

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045977.D
 Acq On : 8 Jul 2020 12:12
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 08 12:59:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 12:06:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	140575	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	574241	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	340180	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	702440	20.00	ng	0.00
76) Chrysene-d12	21.63	240	668557	20.00	ng	0.00
86) Perylene-d12	24.78	264	675411	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	864116	99.68	ng	0.00
7) Phenol-d6	7.16	99	1263210	101.22	ng	0.00
23) Nitrobenzene-d5	9.16	82	824168	82.61	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	325511	103.10	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1615124	74.06	ng	0.00
79) Terphenyl-d14	19.99	244	1722148	57.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	20970	5.243	ng	# 91
3) Pyridine	3.91	79	47138	3.898	ng	97
4) n-Nitrosodimethylamine	3.82	42	19491	4.767	ng	# 91
6) Aniline	7.33	93	75075	4.702	ng	96
8) 2-Chlorophenol	7.57	128	42384	4.542	ng	94
9) Benzaldehyde	7.15	77	49802	6.298	ng	95
10) Phenol	7.19	94	58068	4.638	ng	95
11) bis(2-Chloroethyl)ether	7.42	93	48077	4.644	ng	98
12) 1,3-Dichlorobenzene	7.90	146	47281	4.396	ng	97
13) 1,4-Dichlorobenzene	8.05	146	49456	4.674	ng	97
14) 1,2-Dichlorobenzene	8.36	146	44161	4.337	ng	97
15) Benzyl Alcohol	8.23	79	42494	4.343	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.54	45	59488	4.404	ng	97
17) 2-Methylphenol	8.44	107	39913	4.249	ng	98
18) Hexachloroethane	9.10	117	18834	4.626	ng	94
19) n-Nitroso-di-n-propylamine	8.81	70	40437	4.612	ng	99
20) 3+4-Methylphenols	8.76	107	51730	4.041	ng	92
22) Acetophenone	8.82	105	71941	4.690	ng	# 97
24) Nitrobenzene	9.20	77	57323	5.206	ng	98
25) Isophorone	9.73	82	104301	4.282	ng	98
26) 2-Nitrophenol	9.91	139	16578	4.619	ng	91
27) 2,4-Dimethylphenol	9.97	122	39572	4.565	ng	99
28) bis(2-Chloroethoxy)methane	10.21	93	63144	4.617	ng	98
29) 2,4-Dichlorophenol	10.44	162	35489	3.955	ng	89
30) 1,2,4-Trichlorobenzene	10.67	180	42722	4.296	ng	95
31) Naphthalene	10.85	128	141649	4.601	ng	100
32) Benzoic acid	10.02	122	7847	1.672	ng	92
33) 4-Chloroaniline	10.95	127	57758	4.199	ng	99
34) Hexachlorobutadiene	11.15	225	22901	3.944	ng	94
35) Caprolactam	11.69	113	12820	3.763	ng	88
36) 4-Chloro-3-methylphenol	12.07	107	41312	4.042	ng	97
37) 2-Methylnaphthalene	12.46	142	102615	4.689	ng	99
38) 1-Methylnaphthalene	12.67	142	96246	4.660	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	46940	4.895	ng	98

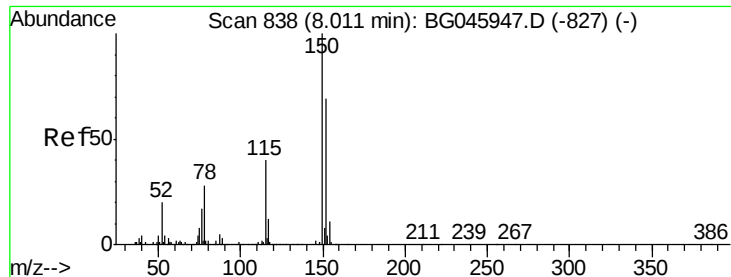
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	24117	4.238	ng	99
43) 2,4,6-Trichlorophenol	13.06	196	26978	4.160	ng	98
44) 2,4,5-Trichlorophenol	13.13	196	29615	4.039	ng	95
46) 1,1'-Biphenyl	13.46	154	131287	5.130	ng	94
47) 2-Chloronaphthalene	13.50	162	90271	4.471	ng	97
48) 2-Nitroaniline	13.69	65	23315	4.934	ng	96
49) Acenaphthylene	14.35	152	151360	4.646	ng	97
50) Dimethylphthalate	14.08	163	112780	4.418	ng	99
51) 2,6-Dinitrotoluene	14.19	165	19013	4.800	ng	96
52) Acenaphthene	14.69	154	90140	4.387	ng	98
53) 3-Nitroaniline	14.51	138	21684	4.417	ng	# 90
54) 2,4-Dinitrophenol	14.71	184	3564	2.551	ng	# 1
55) Dibenzofuran	15.02	168	139965	4.647	ng	96
56) 4-Nitrophenol	14.81	139	16593	3.989	ng	97
57) 2,4-Dinitrotoluene	14.97	165	21057	4.302	ng	92
58) Fluorene	15.67	166	113097	4.577	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	23385	4.131	ng	90
60) Diethylphthalate	15.45	149	116541	4.353	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	54934	4.469	ng	96
62) 4-Nitroaniline	15.68	138	23995	4.548	ng	89
63) Azobenzene	15.96	77	136643	4.755	ng	97
65) 4,6-Dinitro-2-methylphenol	15.73	198	7205	3.502	ng	99
66) n-Nitrosodiphenylamine	15.88	169	97671	4.487	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	33268	4.241	ng	96
68) Hexachlorobenzene	16.68	284	33697	4.280	ng	98
69) Atrazine	16.83	200	33274	5.170	ng	97
70) Pentachlorophenol	17.02	266	14031	3.206	ng	91
71) Phenanthrene	17.41	178	174374	4.696	ng	96
72) Anthracene	17.50	178	178802	4.744	ng	97
73) Carbazole	17.76	167	168611	4.463	ng	# 95
74) Di-n-butylphthalate	18.34	149	202726	4.441	ng	95
75) Fluoranthene	19.42	202	205565	4.788	ng	94
77) Benzidine	19.59	184	105775	5.533	ng	98
78) Pyrene	19.78	202	213114	4.670	ng	92
80) Butylbenzylphthalate	20.68	149	83158	3.856	ng	99
81) Benzo(a)anthracene	21.60	228	198652	4.519	ng	92
82) 3,3'-Dichlorobenzidine	21.52	252	75616	4.655	ng	91
83) Chrysene	21.67	228	189378	4.522	ng	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	127722	4.080	ng	# 91
85) Di-n-octyl phthalate	22.75	149	212571	3.913	ng	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	213746	4.326	ng	91
88) Benzo(b)fluoranthene	23.78	252	192514	4.490	ng	98
89) Benzo(k)fluoranthene	23.85	252	190960	4.710	ng	98
90) Benzo(a)pyrene	24.62	252	176307	4.373	ng	97
91) Dibenzo(a,h)anthracene	28.42	278	177358	4.450	ng	94
92) Benzo(g,h,i)perylene	29.45	276	177475	4.425	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

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LOQ-SOIL-02-QT3-2020

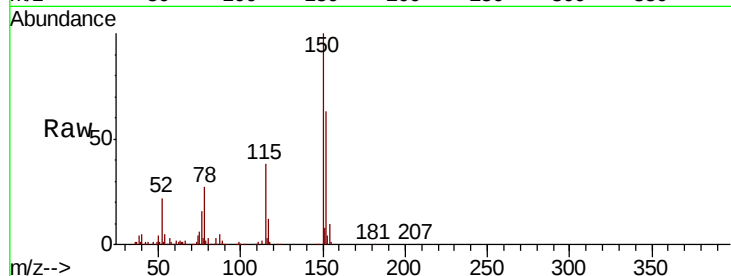
Tot Ion:152 Resp: 140575

Ion Ratio Lower Upper

152 100

150 158.4 116.7 175.1

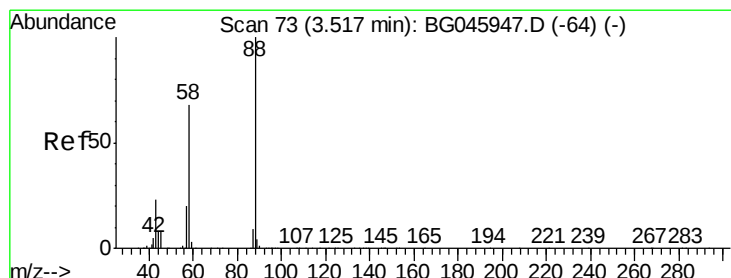
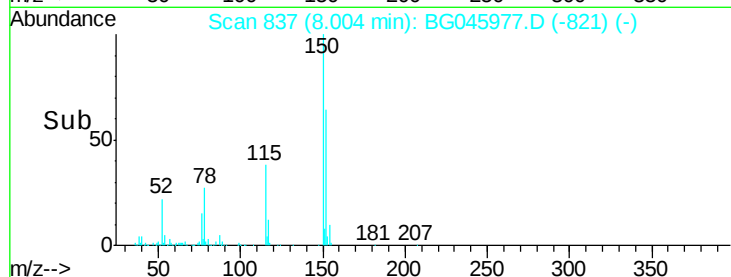
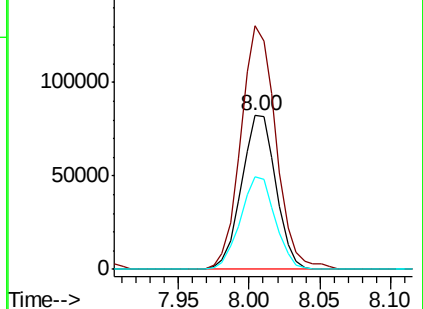
115 60.0 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.243 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

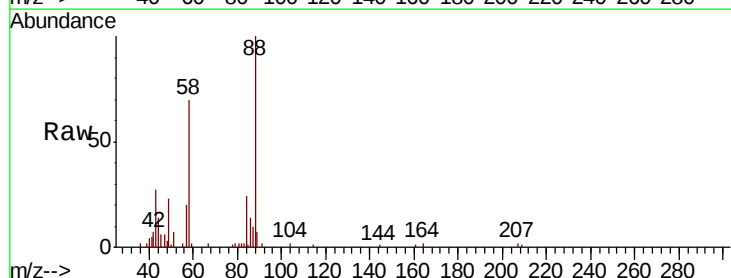
Tgt Ion: 88 Resp: 20970

Ion Ratio Lower Upper

88 100

58 72.5 55.2 82.8

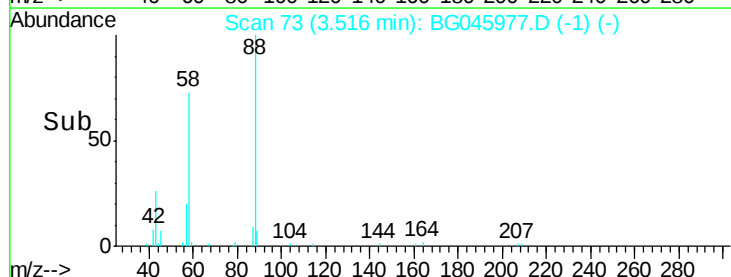
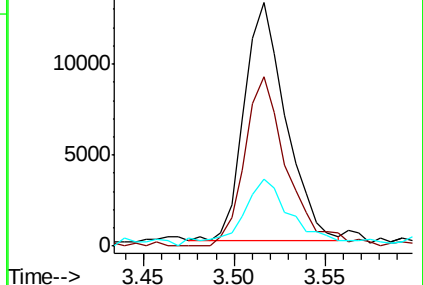
43 35.4 19.4 29.0#

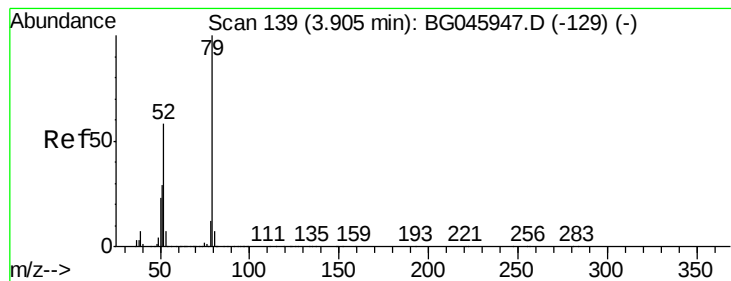


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 3.898 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

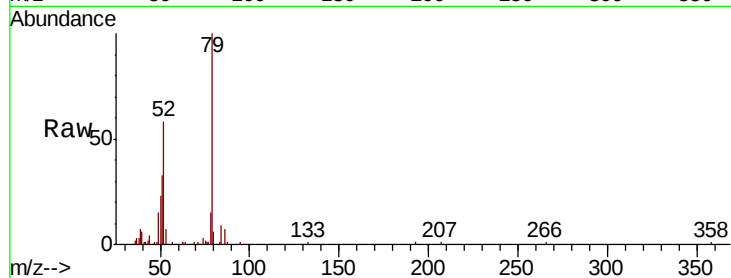
Tot Ion: 79 Resp: 47138

Ion Ratio Lower Upper

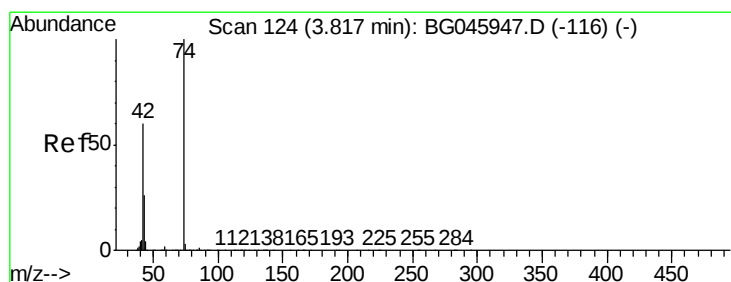
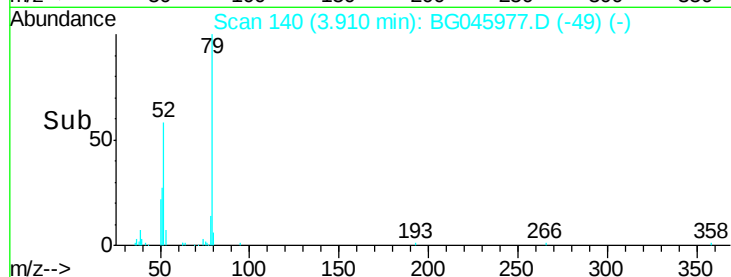
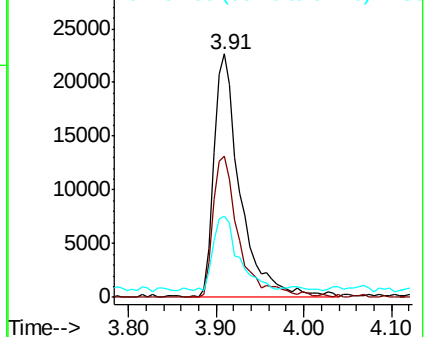
79 100

52 57.9 46.5 69.7

51 33.1 23.5 35.3



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 4.767 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

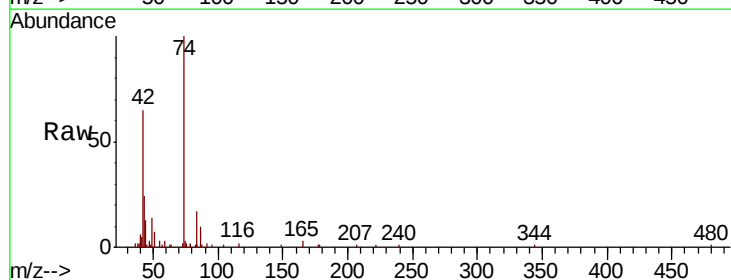
Tgt Ion: 42 Resp: 19491

Ion Ratio Lower Upper

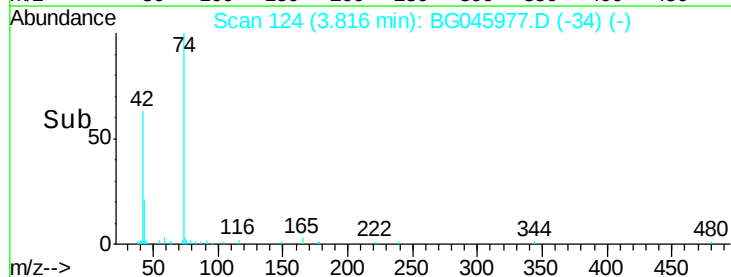
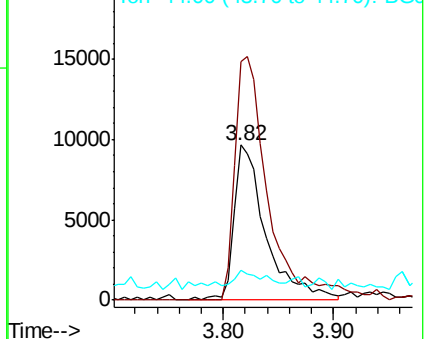
42 100

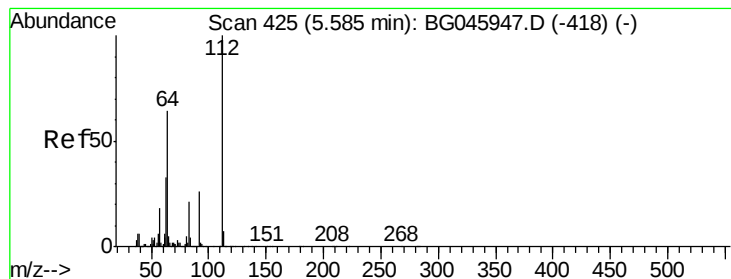
74 153.6 131.9 197.9

44 19.4 7.7 11.5#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 99.684 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

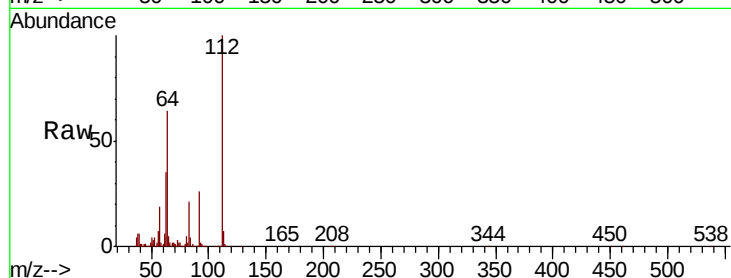
Tot Ion:112 Resp: 864116

Ion Ratio Lower Upper

112 100

64 63.7 51.4 77.2

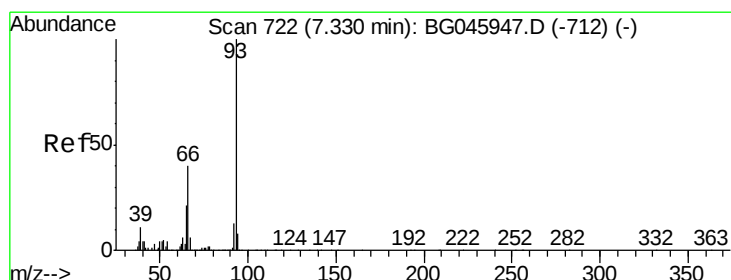
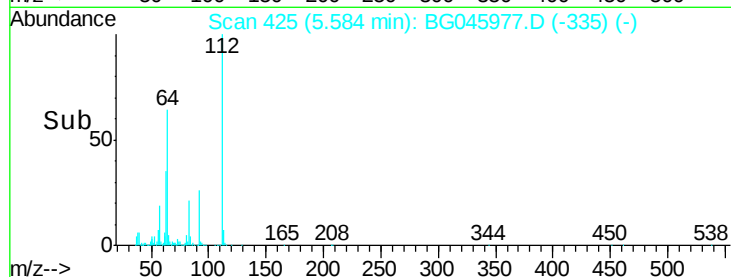
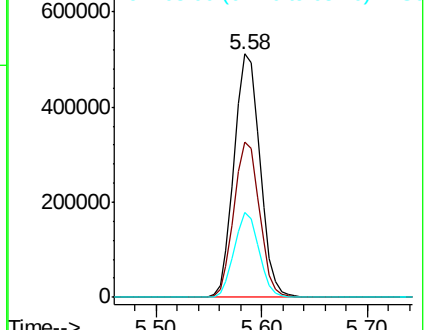
63 35.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.702 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

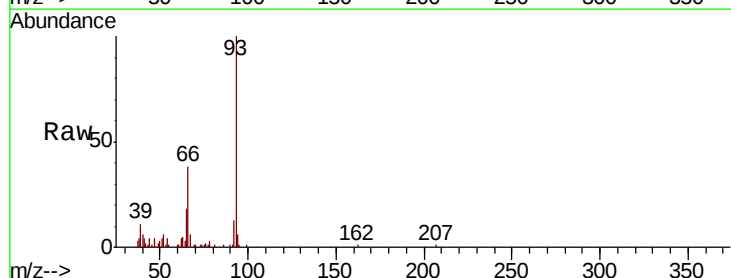
Tgt Ion: 93 Resp: 75075

Ion Ratio Lower Upper

93 100

66 38.2 32.3 48.5

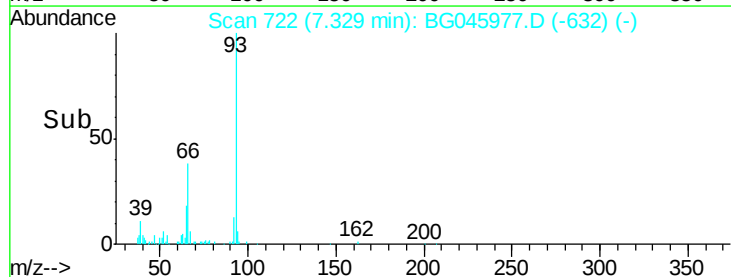
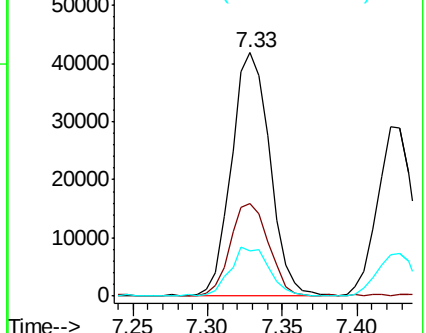
65 18.4 16.6 25.0

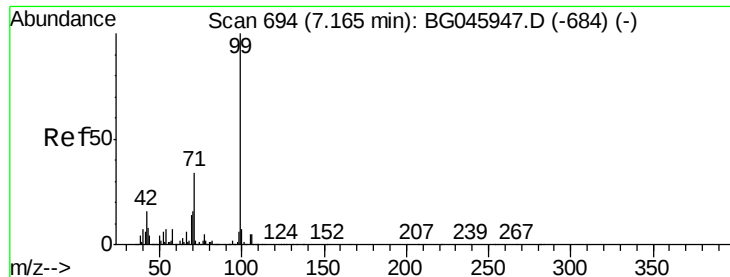


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 101.217 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

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ClientSampleId :

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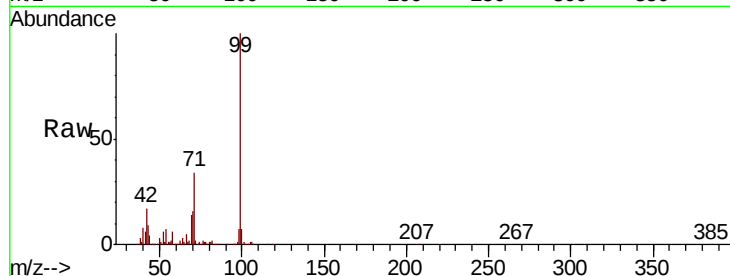
Tot Ion: 99 Resp: 1263210

Ion Ratio Lower Upper

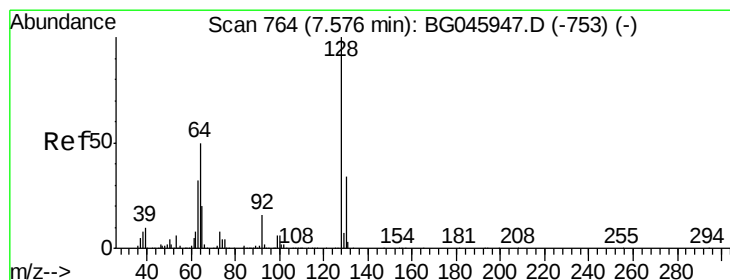
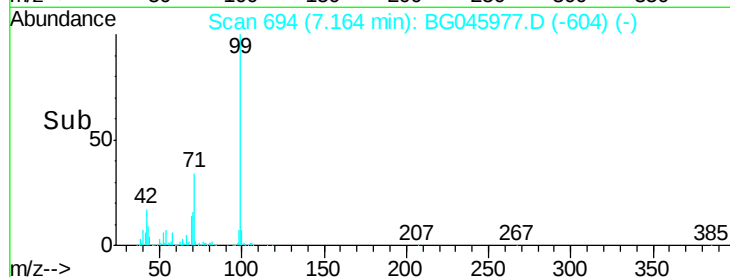
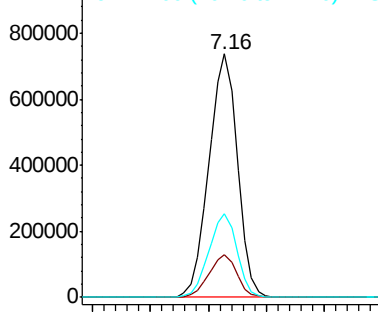
99 100

42 17.5 13.0 19.4

71 34.2 27.5 41.3



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



#8

2-Chlorophenol

Concen: 4.542 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

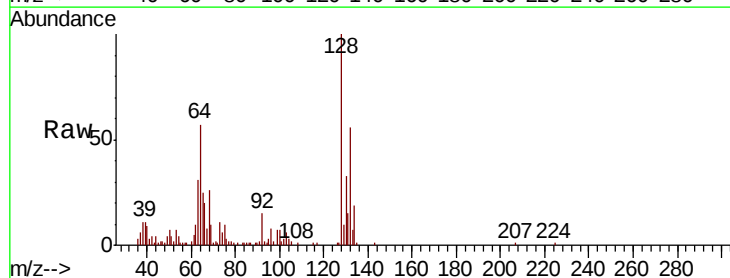
Tgt Ion:128 Resp: 42384

Ion Ratio Lower Upper

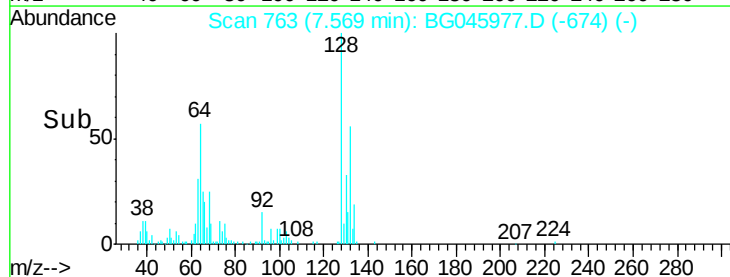
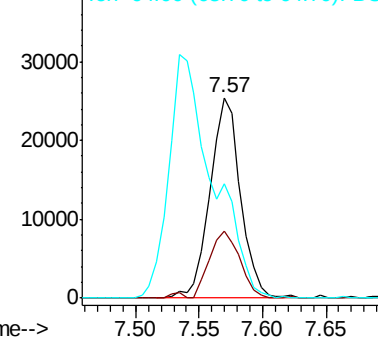
128 100

130 33.2 13.6 53.6

64 57.2 30.6 70.6



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





#9

Benzaldehyde

Concen: 6.298 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2020

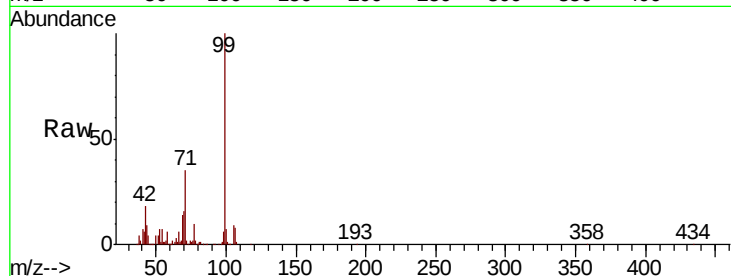
Tot Ion: 77 Resp: 49802

Ion Ratio Lower Upper

77 100

105 84.6 66.0 106.0

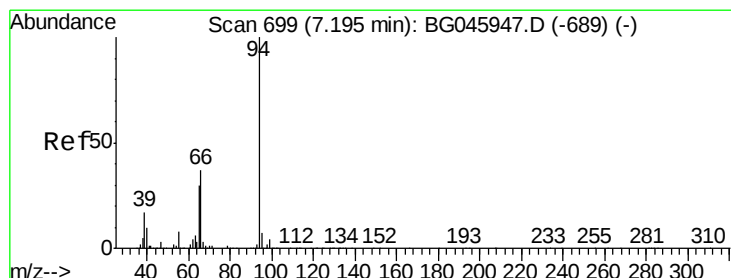
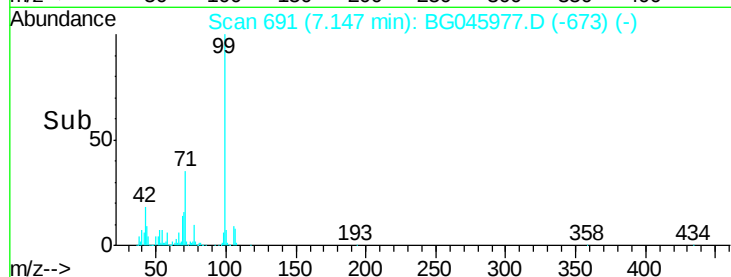
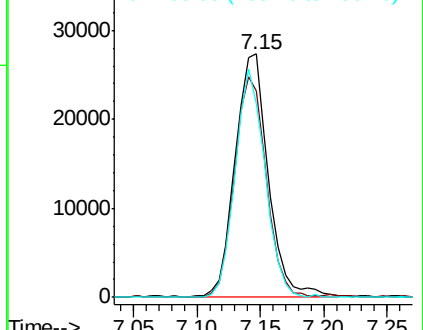
106 79.6 67.7 107.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.638 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

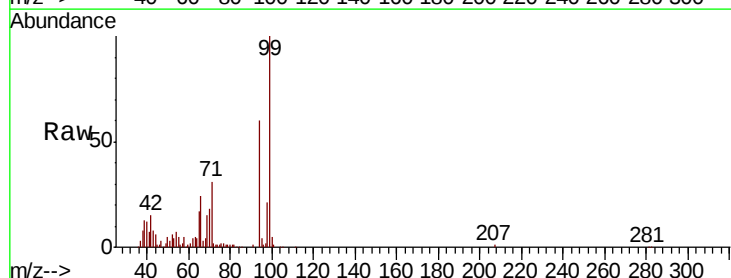
Tgt Ion: 94 Resp: 58068

Ion Ratio Lower Upper

94 100

65 28.6 10.6 50.6

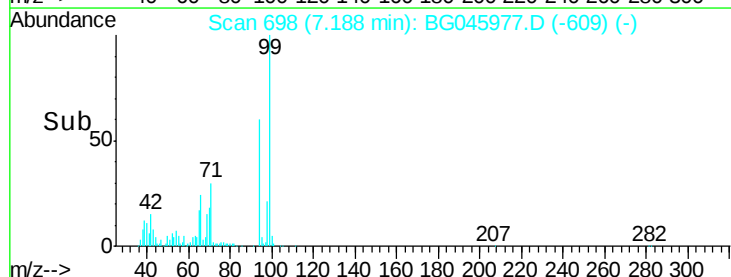
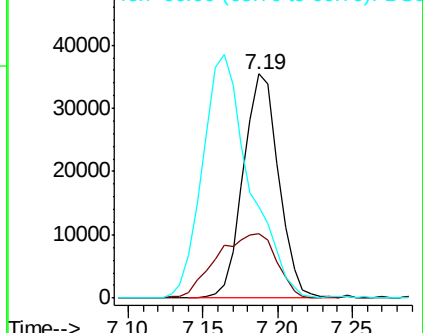
66 40.8 17.1 57.1

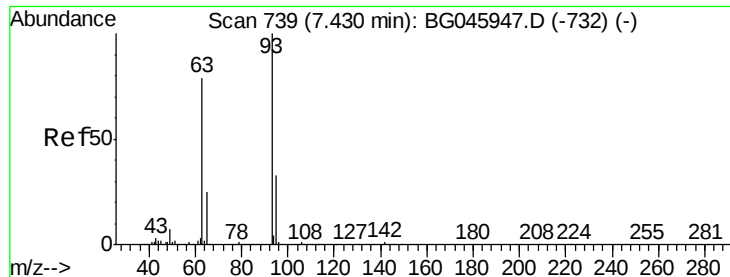


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

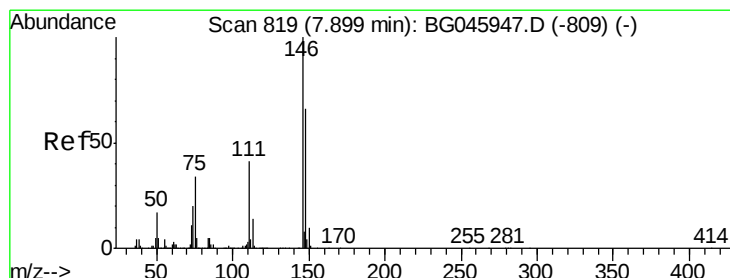
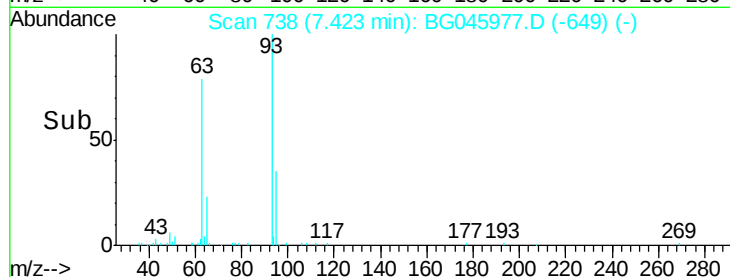
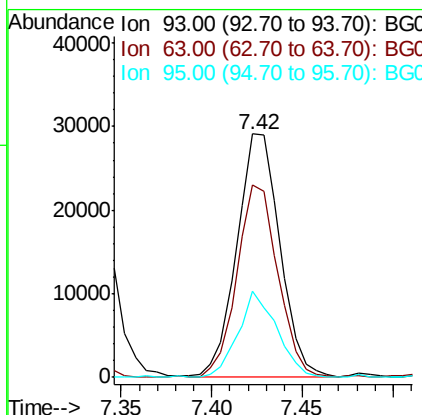
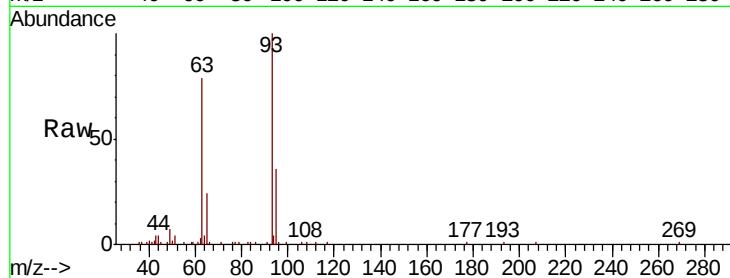




#11
bis(2-Chloroethyl)ether
Concen: 4.644 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

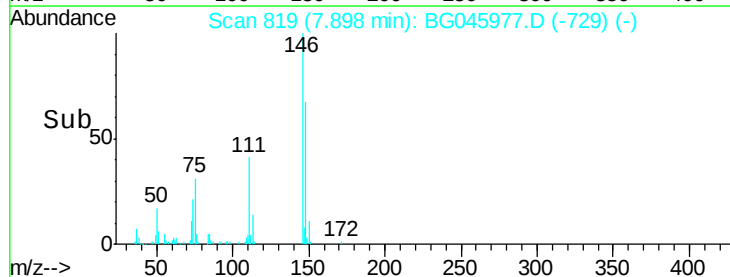
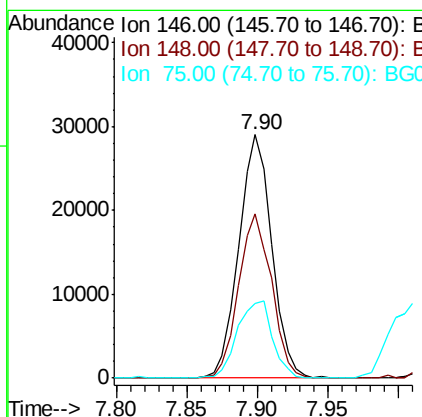
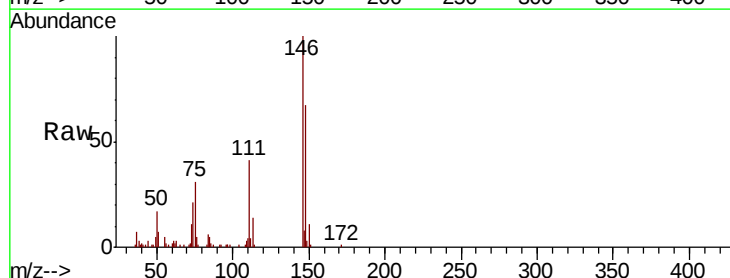
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

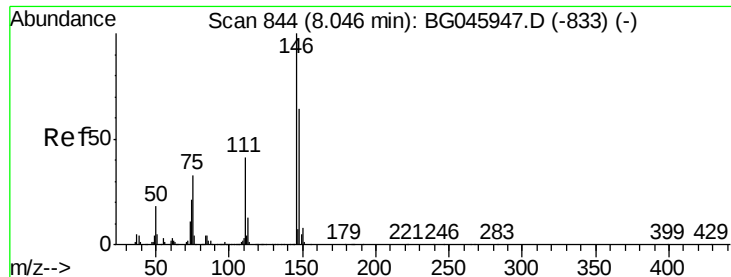
Tot Ion	93	Resp	48077
Ion	Ratio	Lower	Upper
93	100		
63	79.3	58.6	98.6
95	35.6	13.3	53.3



#12
1,3-Dichlorobenzene
Concen: 4.396 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	146	Resp	47281
Ion	Ratio	Lower	Upper
146	100		
148	67.3	52.8	79.2
75	30.6	27.2	40.8

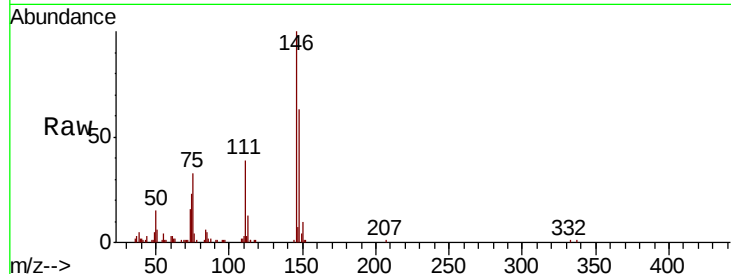




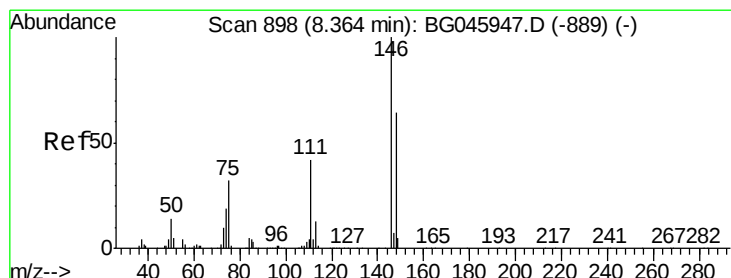
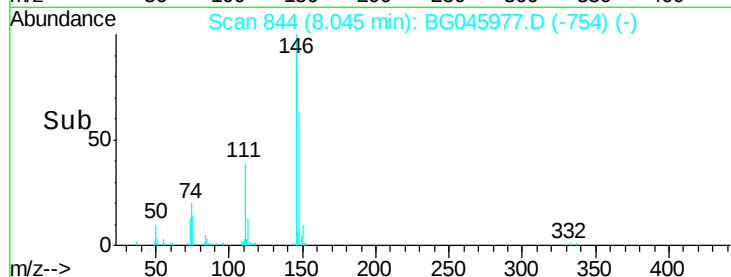
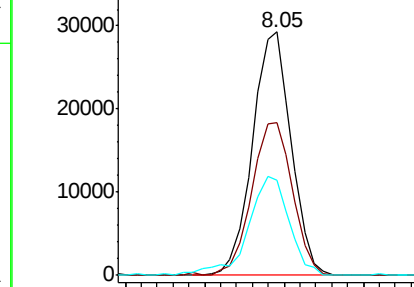
#13
 1,4-Dichlorobenzene
 Concen: 4.674 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.7	77.5
111	39.2	33.3	49.9

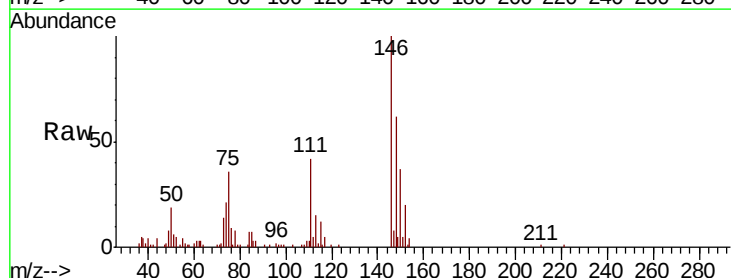


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

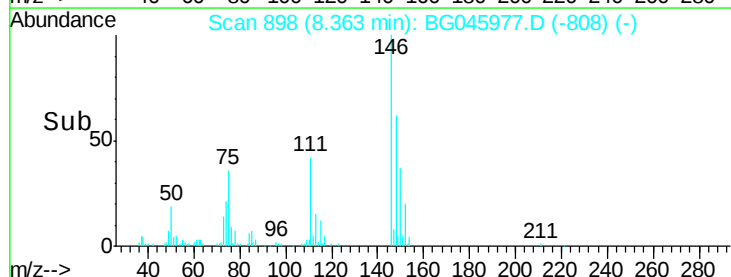
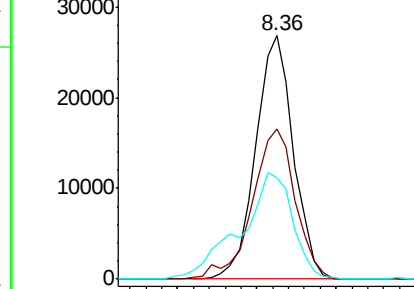


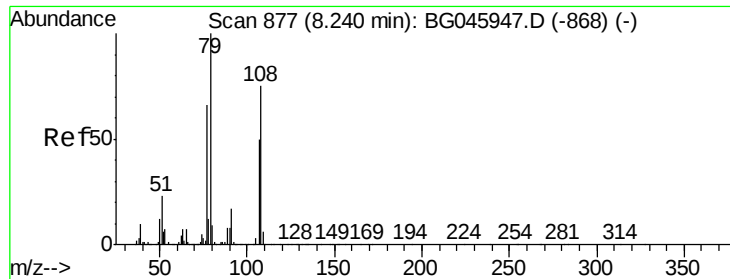
#14
 1,2-Dichlorobenzene
 Concen: 4.337 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.6	77.4
111	41.8	34.0	51.0



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





#15

Benzyl Alcohol

Concen: 4.343 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

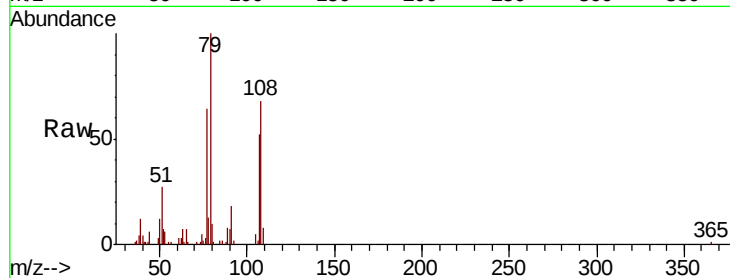
Tot Ion: 79 Resp: 42494

Ion Ratio Lower Upper

79 100

108 68.2 60.2 90.4

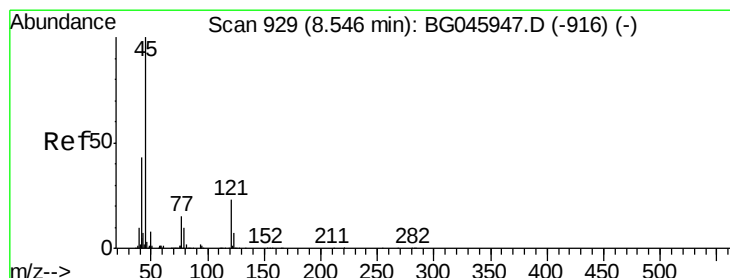
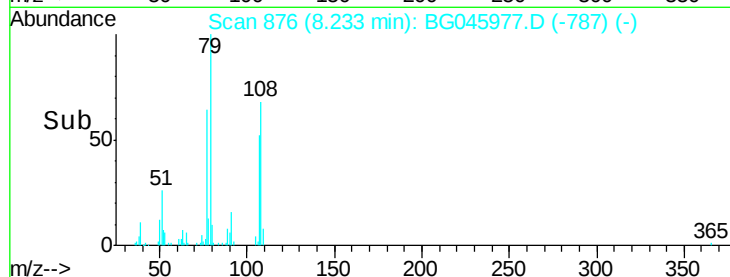
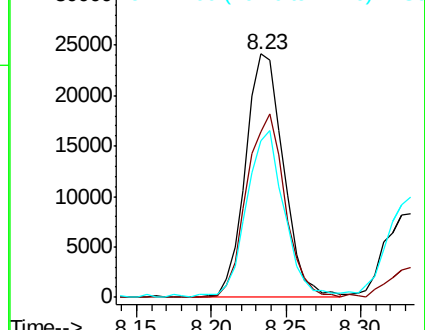
77 64.3 52.9 79.3



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: 4.404 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

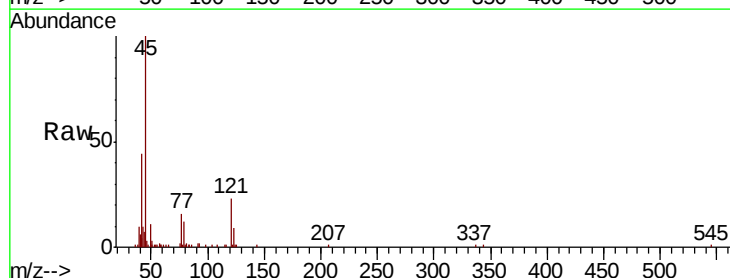
Tgt Ion: 45 Resp: 59488

Ion Ratio Lower Upper

45 100

77 16.4 0.0 37.6

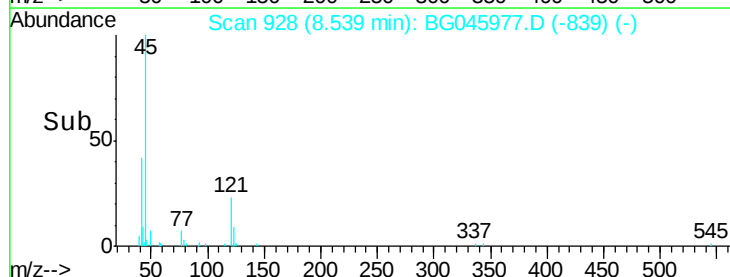
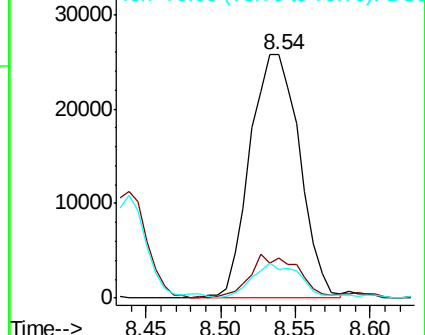
79 11.5 0.0 32.6

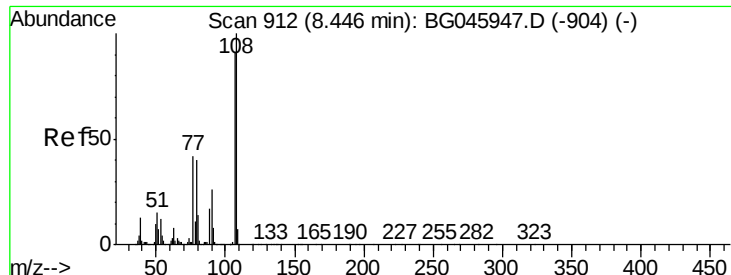


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 4.249 ng

RT: 8.44 min Scan# 911

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:107 Resp: 39913

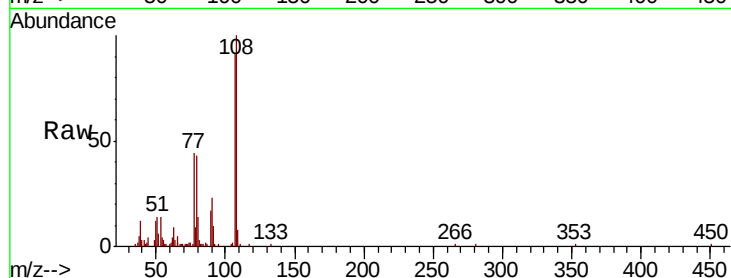
Ion Ratio Lower Upper

107 100

108 109.4 88.2 132.4

77 48.6 37.0 55.4

79 46.9 35.4 53.0



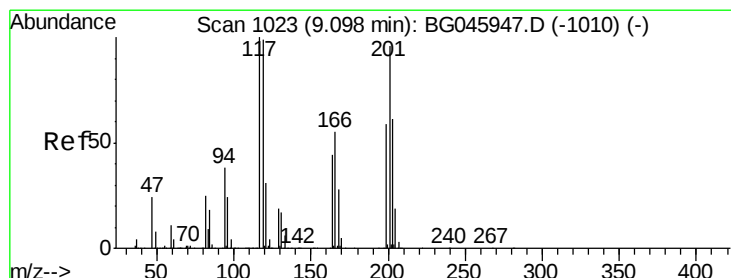
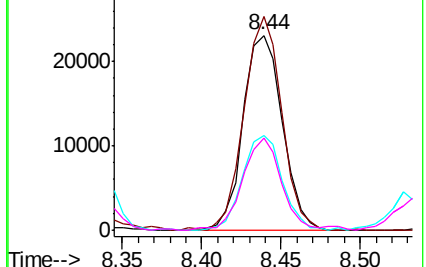
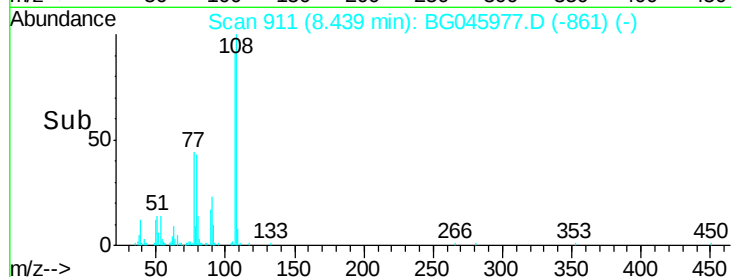
Abundance

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: 4.626 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

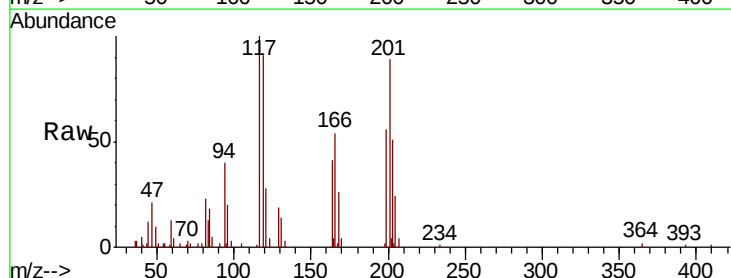
Tgt Ion:117 Resp: 18834

Ion Ratio Lower Upper

117 100

119 90.7 79.5 119.3

201 93.3 77.0 115.4

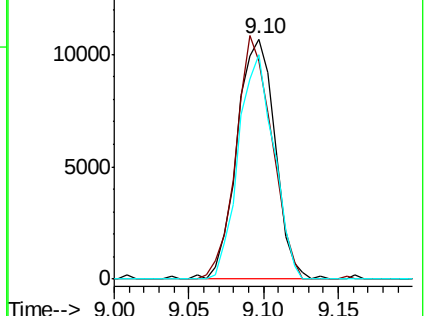
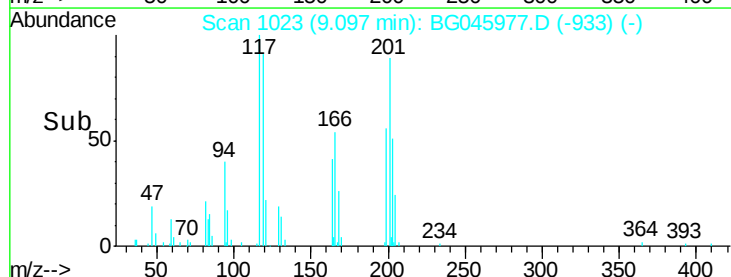


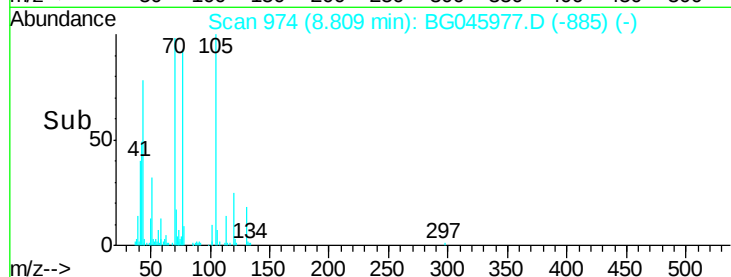
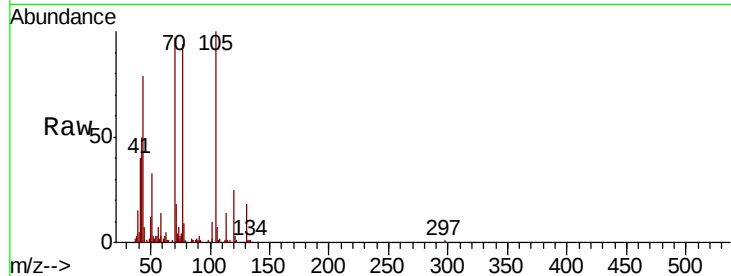
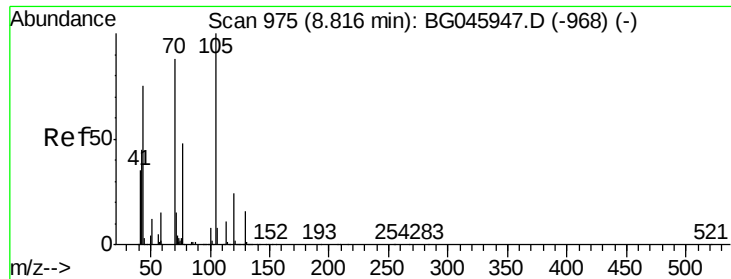
Abundance

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

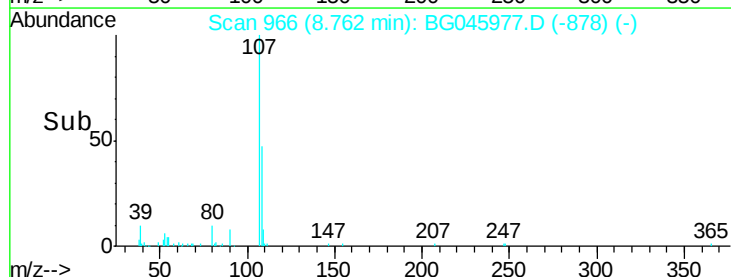
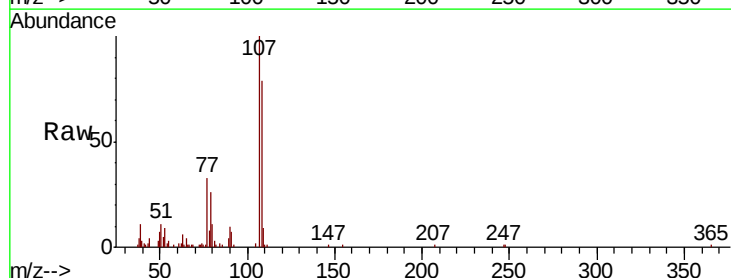
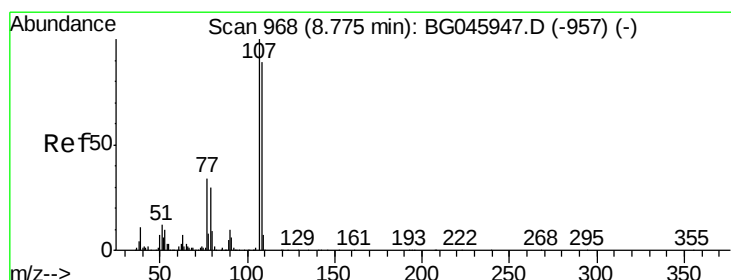
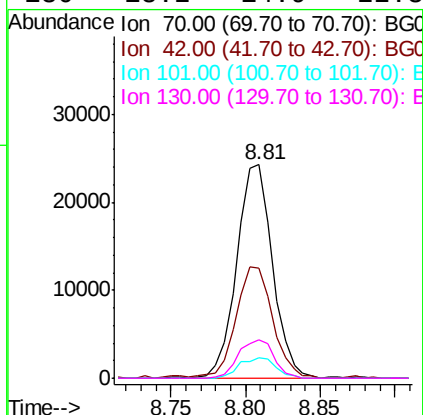




#19
n-Nitroso-di-n-propylamine
Concen: 4.612 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

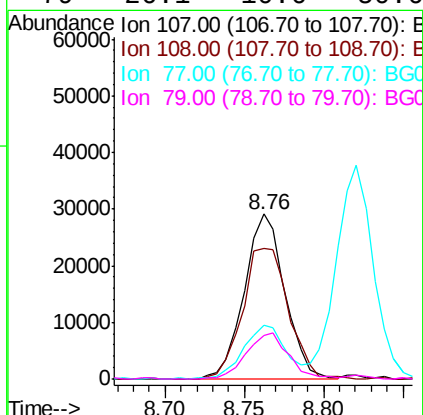
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

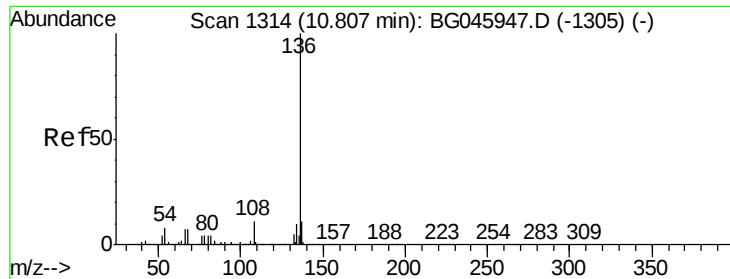
Tot Ion:	70	Resp:	40437
Ion	Ratio	Lower	Upper
70	100		
42	51.3	41.4	62.0
101	9.9	7.1	10.7
130	18.2	14.9	22.3



#20
3+4-Methylphenols
Concen: 4.041 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:	107	Resp:	51730
Ion	Ratio	Lower	Upper
107	100		
108	79.5	68.7	108.7
77	32.9	14.6	54.6
79	26.1	10.6	50.6

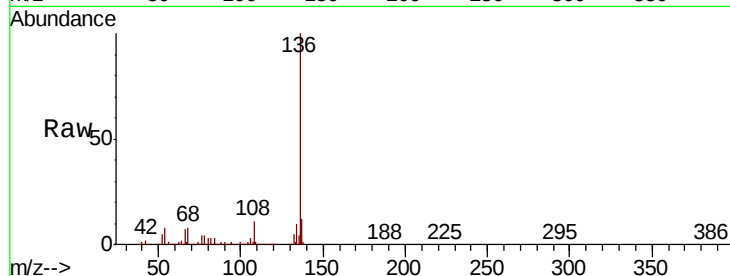




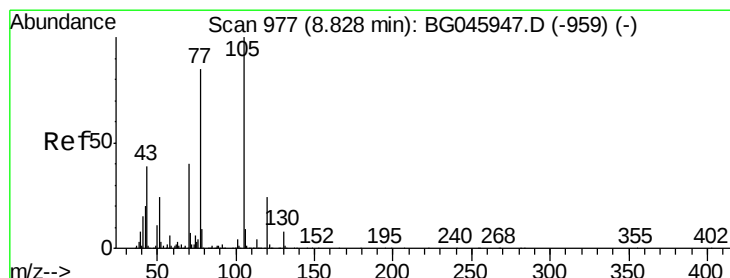
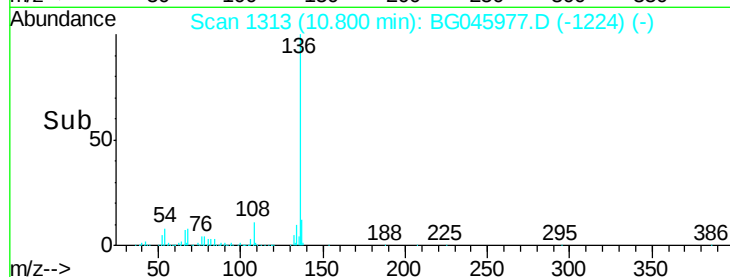
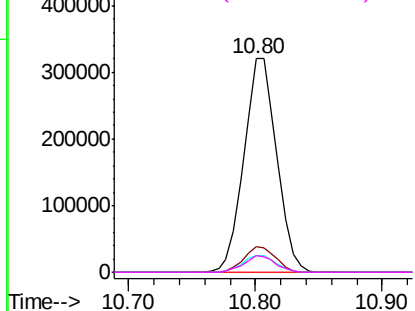
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

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

Tot Ion:136	Resp:	574241	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	9.2	13.8	
54 8.1	6.2	9.4	
68 7.9	5.8	8.8	

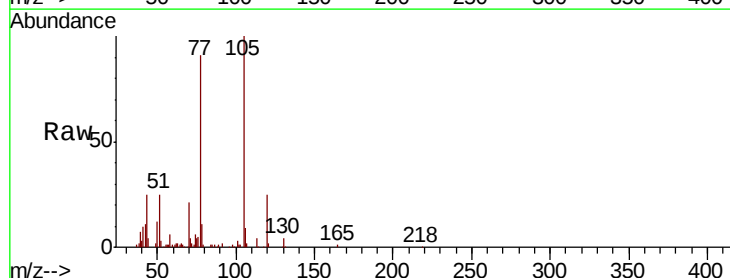


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

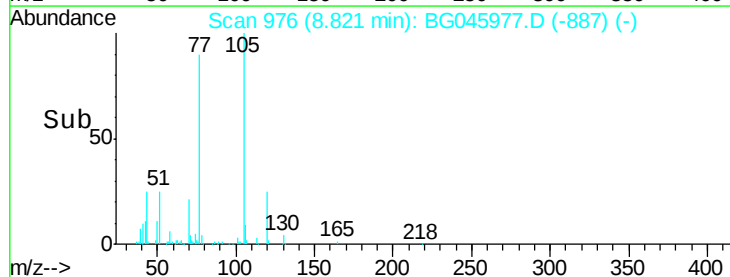
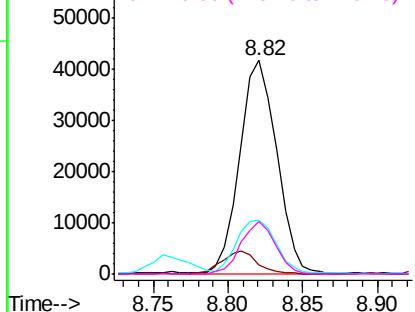


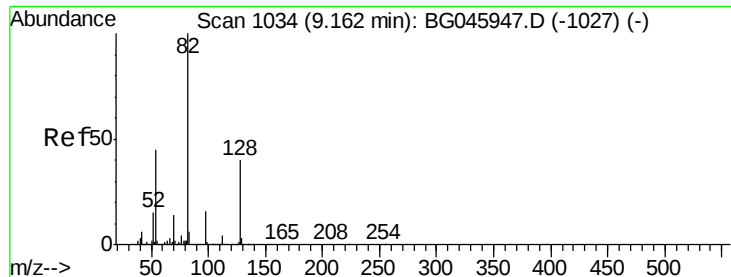
#22
Acetophenone
Concen: 4.690 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt	Ion:105	Resp:	71941
Ion	Ratio	Lower	Upper
105	100		
71	4.0	6.2	9.2#
51	25.4	19.7	29.5
120	24.7	19.2	28.8



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

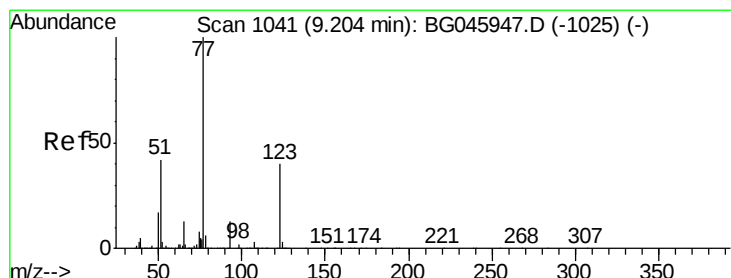
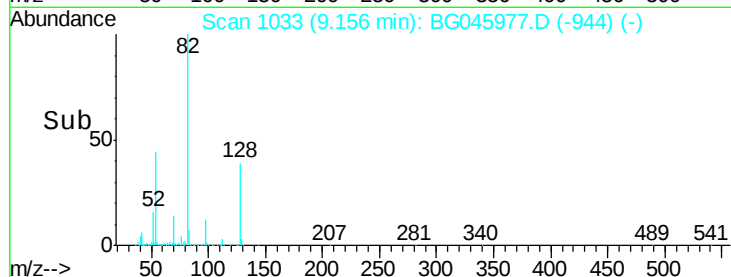
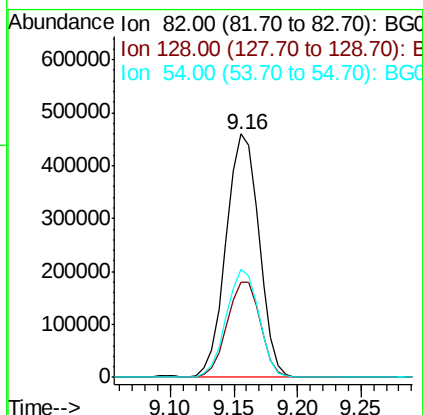
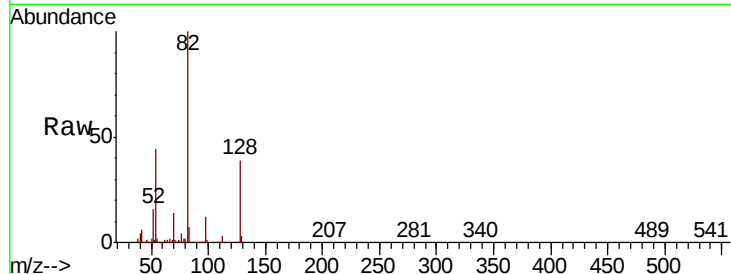




#23
 Nitrobenzene-d5
 Concen: 82.609 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

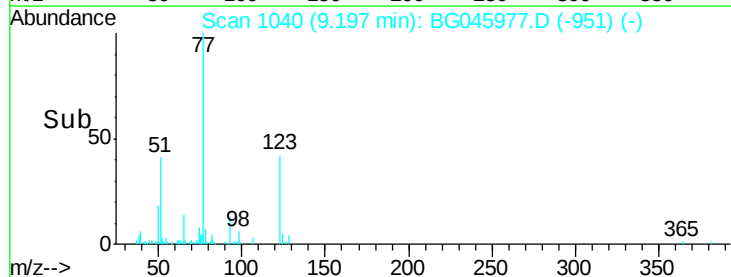
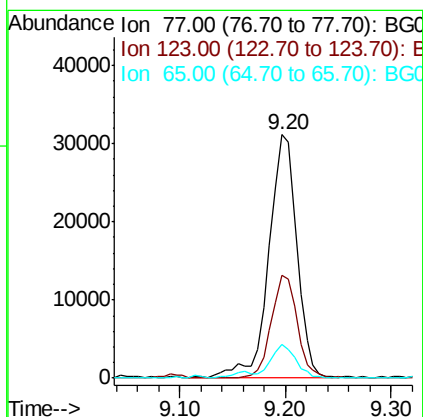
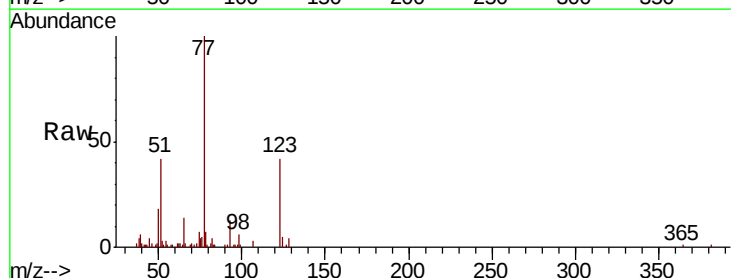
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

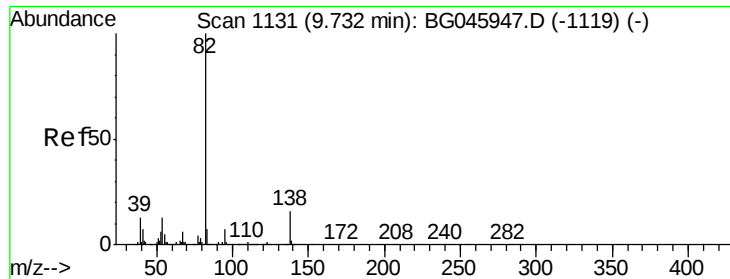
Tot Ion	82	Resp	824168
Ion Ratio	Lower	Upper	
82	100		
128	39.2	32.2	48.4
54	44.5	35.8	53.6



#24
 Nitrobenzene
 Concen: 5.206 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	77	Resp	57323
Ion Ratio	Lower	Upper	
77	100		
123	42.2	32.7	49.1
65	13.6	10.2	15.4





#25

Isophorone

Concen: 4.282 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

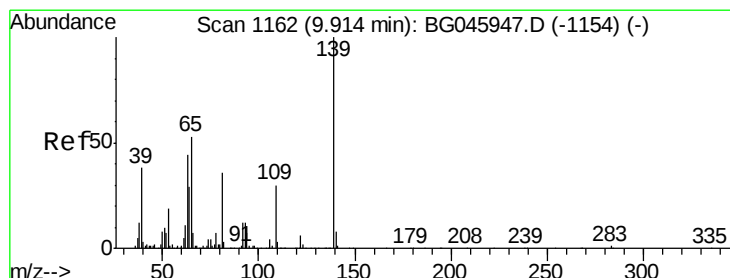
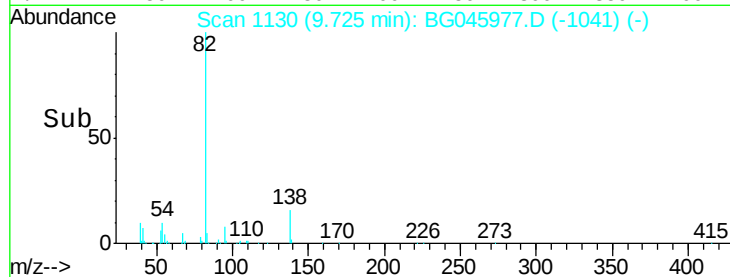
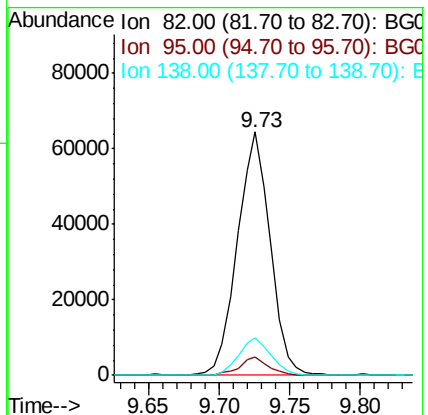
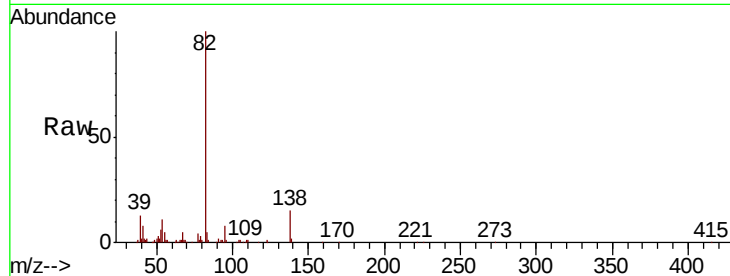
Tot Ion: 82 Resp: 104301

Ion Ratio Lower Upper

82 100

95 7.7 5.8 8.6

138 15.4 12.9 19.3



#26

2-Nitrophenol

Concen: 4.619 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

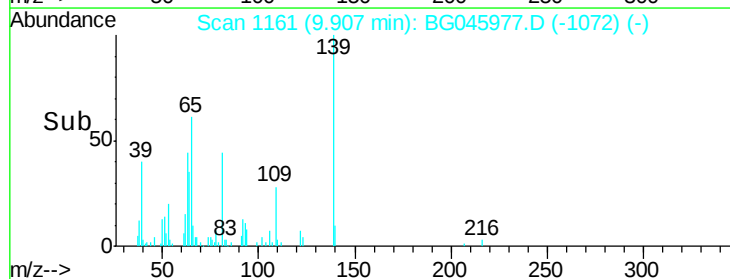
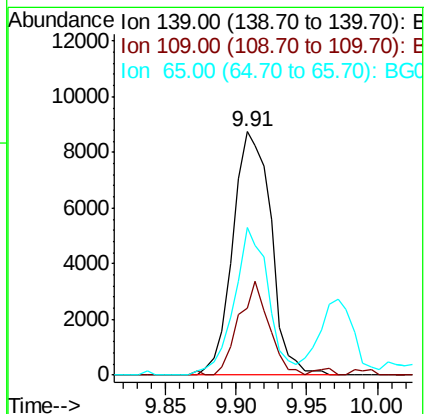
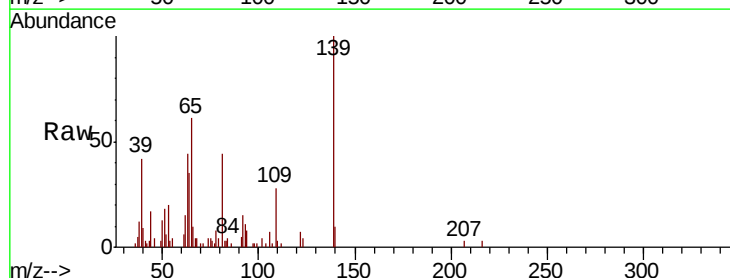
Tgt Ion: 139 Resp: 16578

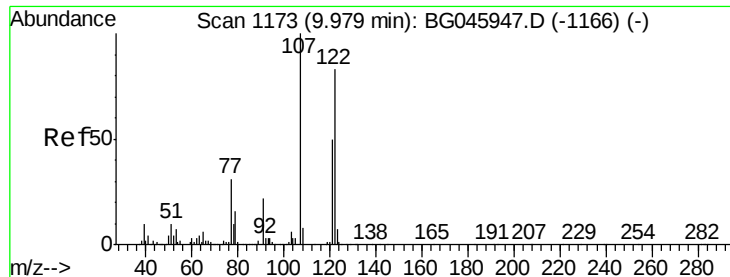
Ion Ratio Lower Upper

139 100

109 27.5 24.6 37.0

65 60.9 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 4.565 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

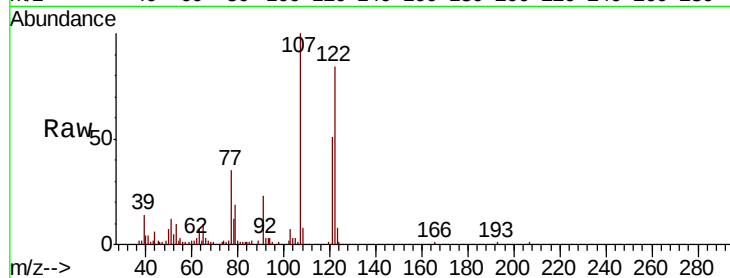
Tot Ion:122 Resp: 39572

Ion Ratio Lower Upper

122 100

107 118.7 95.6 143.4

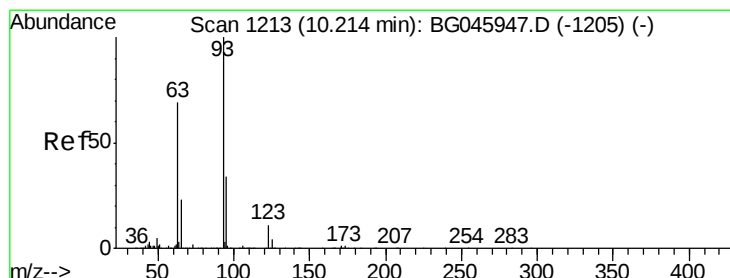
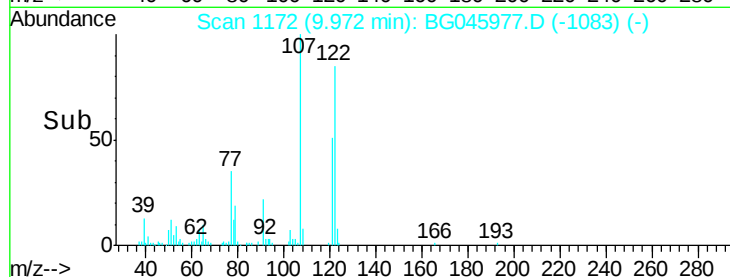
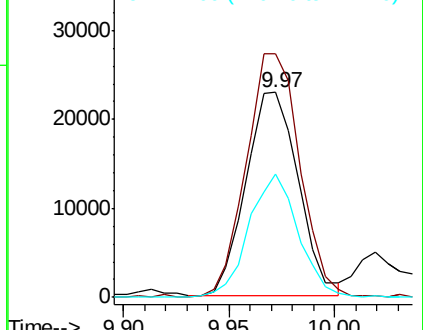
121 60.4 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 4.617 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

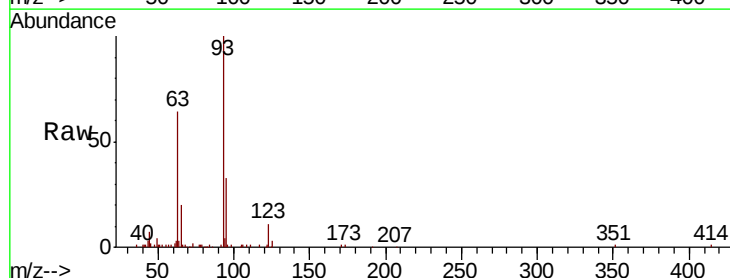
Tgt Ion: 93 Resp: 63144

Ion Ratio Lower Upper

93 100

95 33.0 27.5 41.3

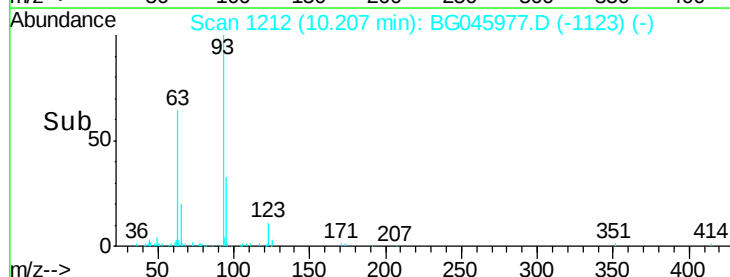
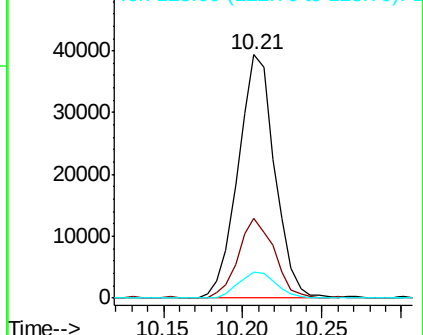
123 10.8 9.2 13.8

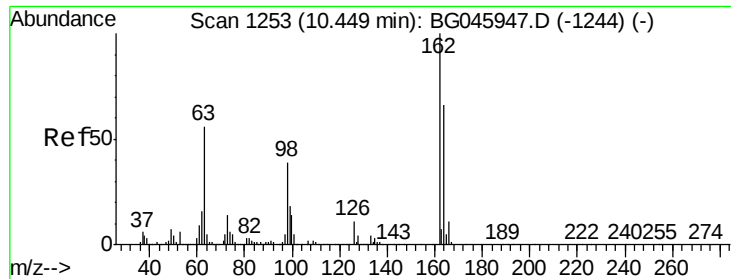


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

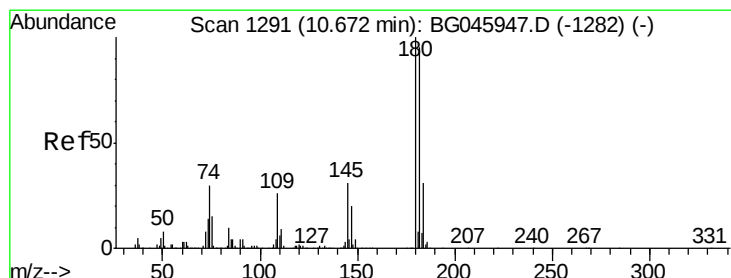
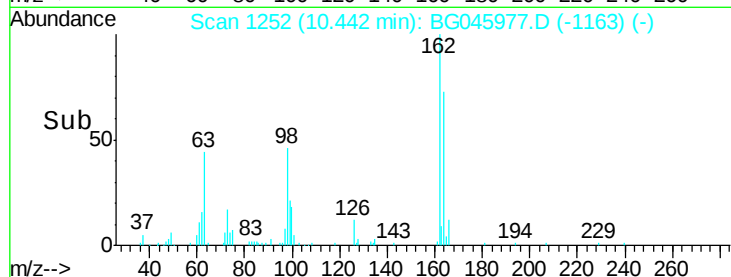
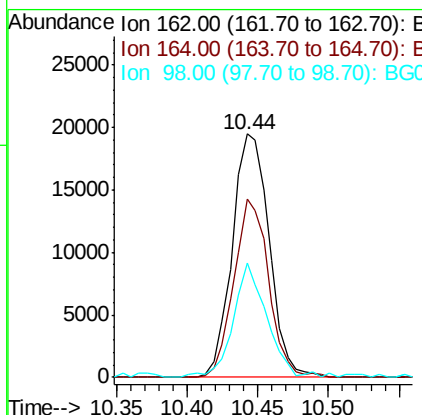
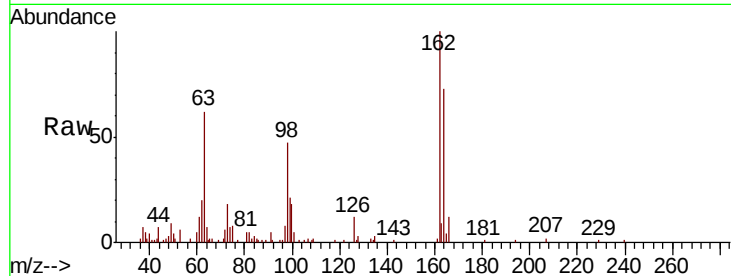




#29
 2,4-Dichlorophenol
 Concen: 3.955 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

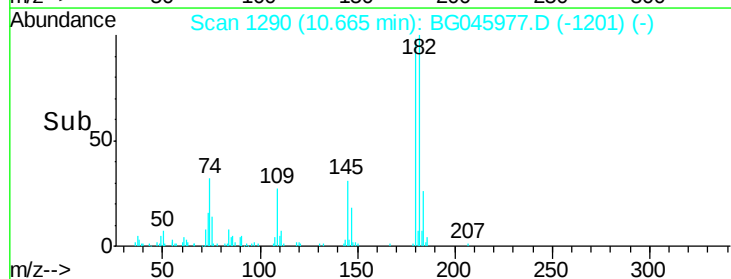
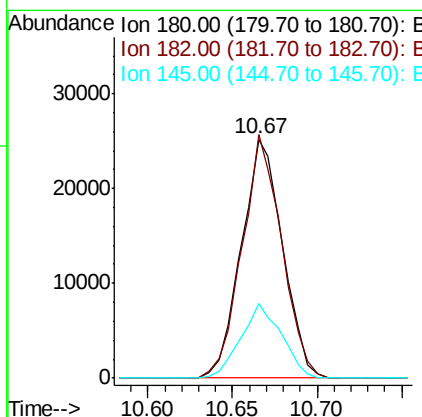
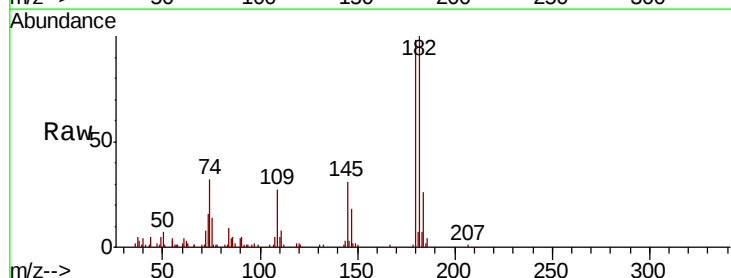
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

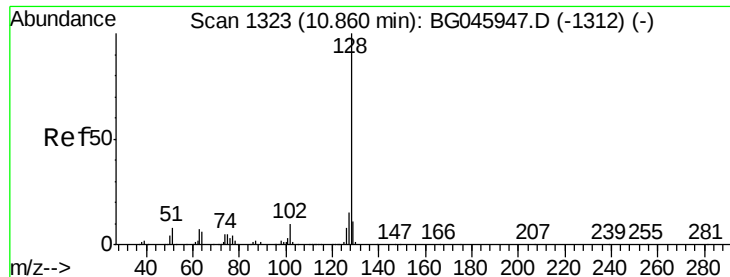
Tot Ion	Ratio	Lower	Upper
162	100		
164	73.1	46.0	86.0
98	47.2	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 4.296 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.3	114.5
145	31.5	24.8	37.2

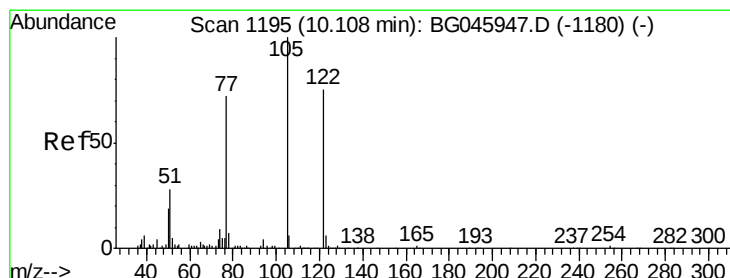
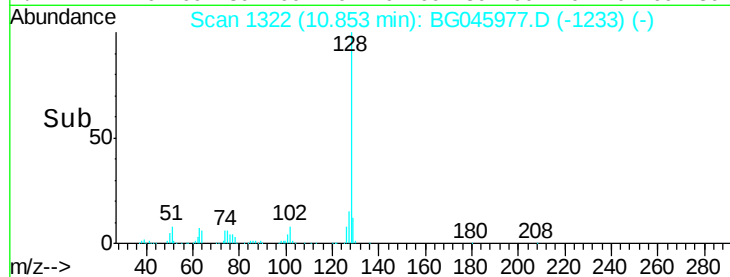
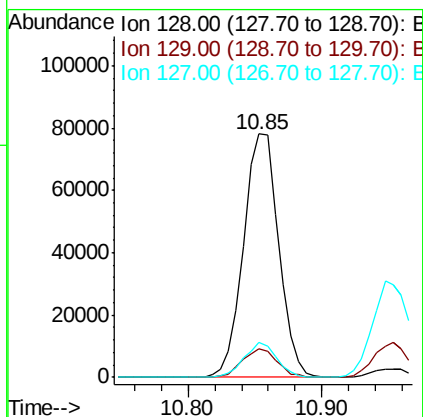
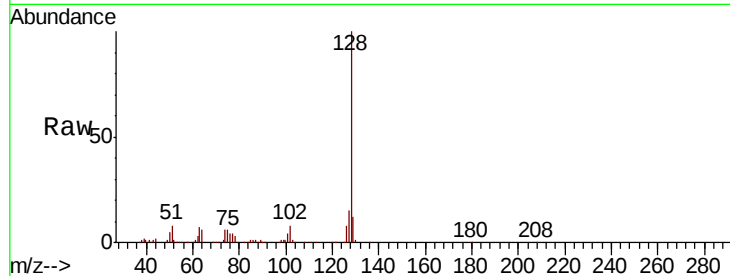




#31
Naphthalene
Concen: 4.601 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

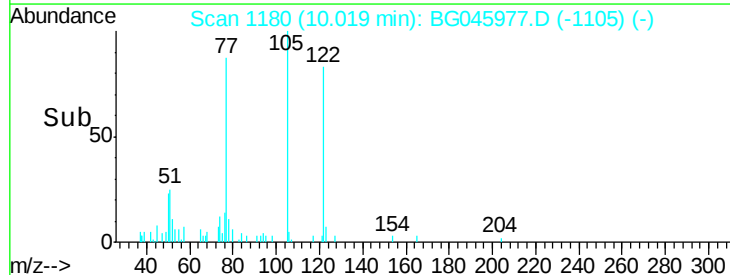
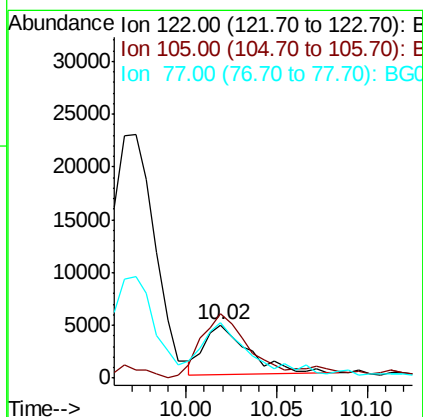
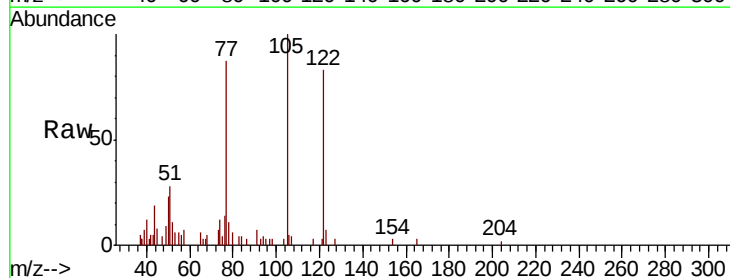
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

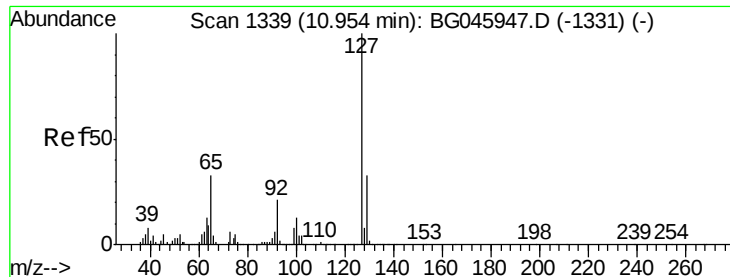
Tot Ion:128 Resp: 141649
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 14.5 11.8 17.6



#32
Benzoic acid
Concen: 1.672 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:122 Resp: 7847
Ion Ratio Lower Upper
122 100
105 120.8 110.8 150.8
77 104.6 76.4 116.4

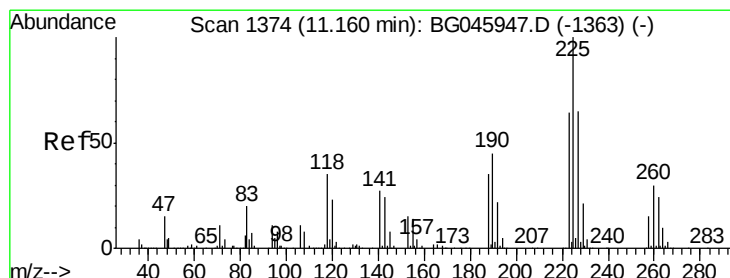
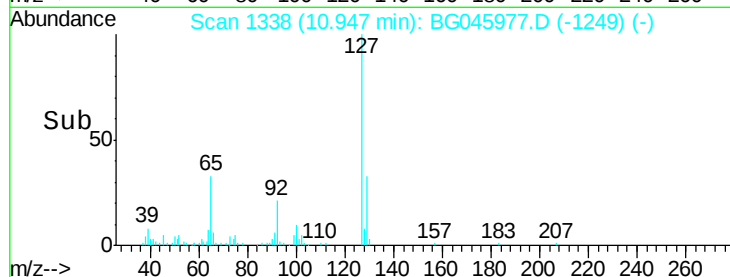
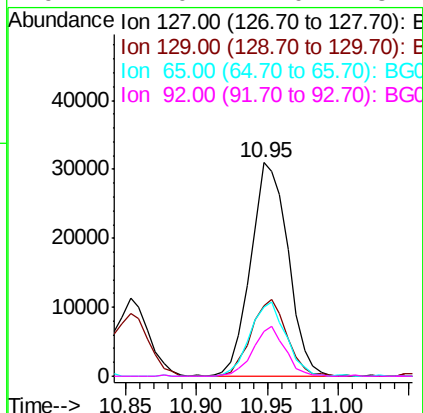
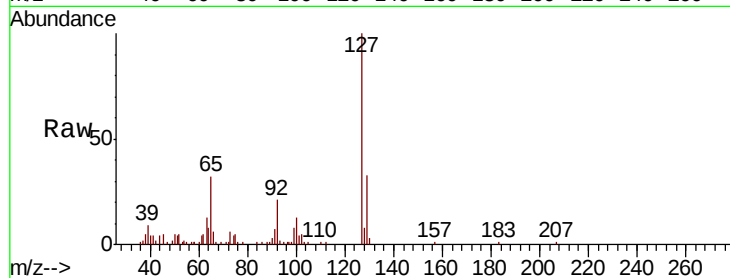




#33
4-Chloroaniline
Concen: 4.199 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

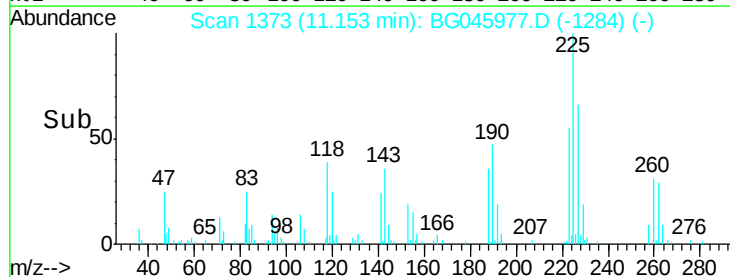
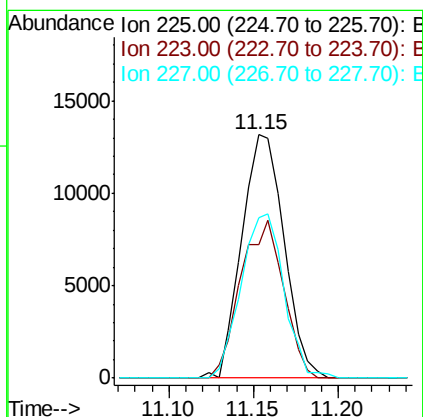
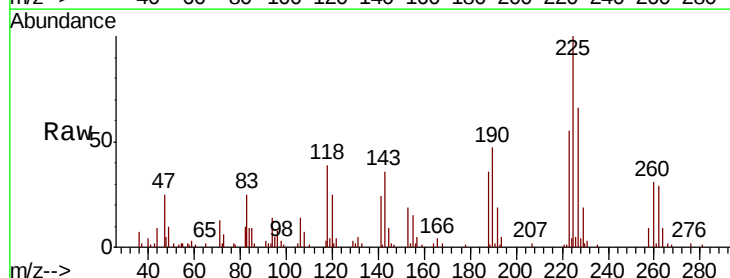
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

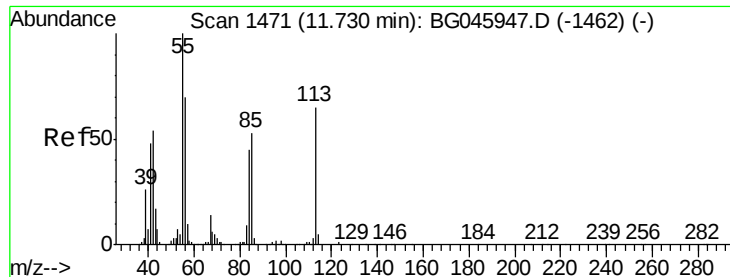
Tot Ion:	127	Resp:	57758
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.6	39.8
65	32.4	26.8	40.2
92	21.0	17.0	25.4



#34
Hexachlorobutadiene
Concen: 3.944 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:	225	Resp:	22901
Ion	Ratio	Lower	Upper
225	100		
223	54.8	51.2	76.8
227	65.7	52.3	78.5





#35

Caprolactam

Concen: 3.763 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

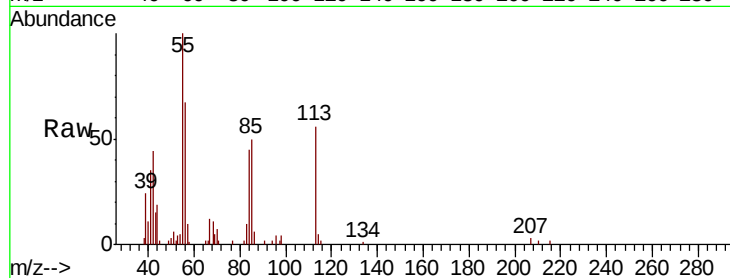
Tot Ion:113 Resp: 12820

Ion Ratio Lower Upper

113 100

55 179.6 141.6 181.6

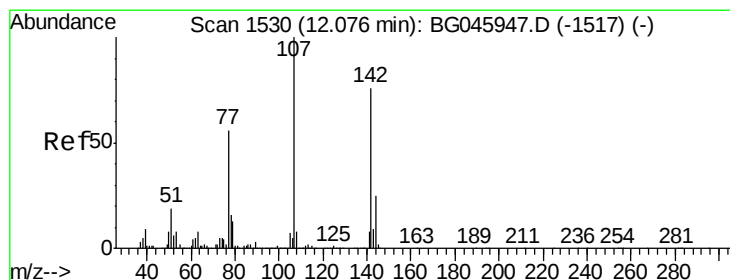
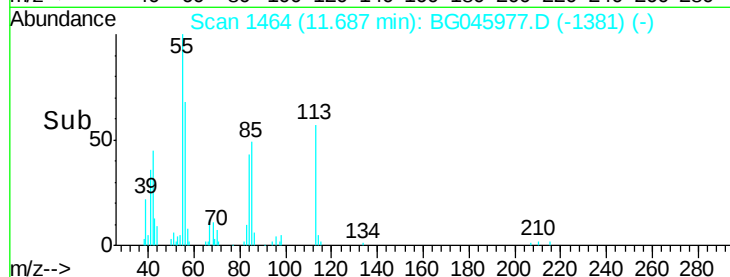
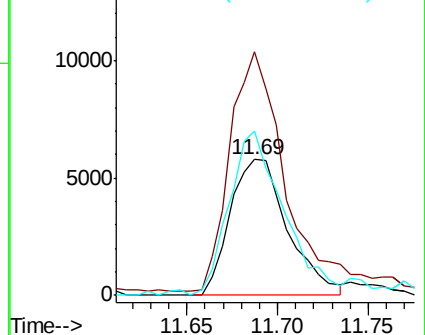
56 120.9 89.6 129.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 4.042 ng

RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

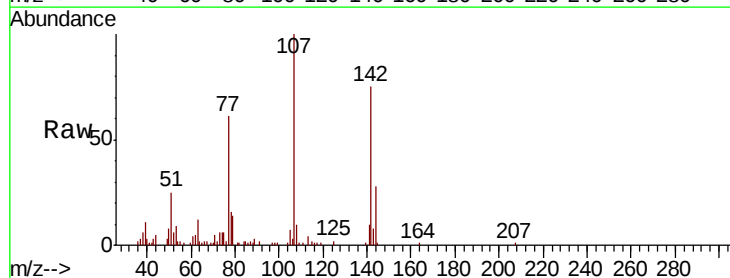
Tgt Ion:107 Resp: 41312

Ion Ratio Lower Upper

107 100

144 27.7 20.0 30.0

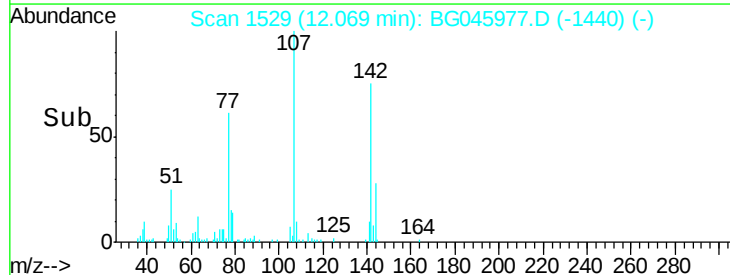
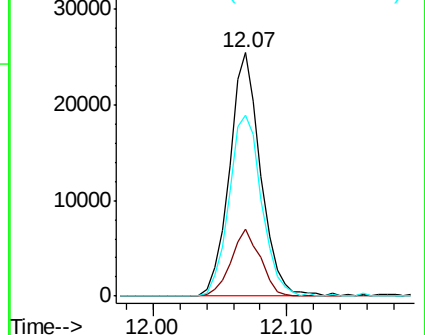
142 74.5 61.1 91.7

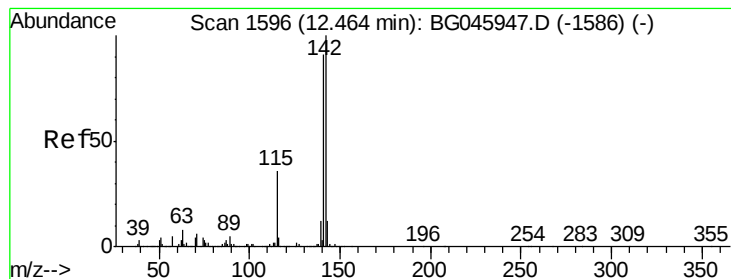


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.689 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

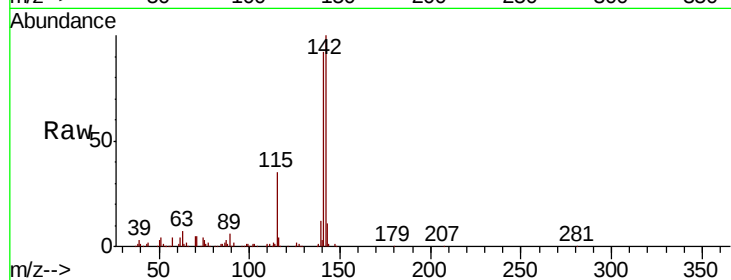
Tot Ion:142 Resp: 102615

Ion Ratio Lower Upper

142 100

141 91.8 73.0 109.6

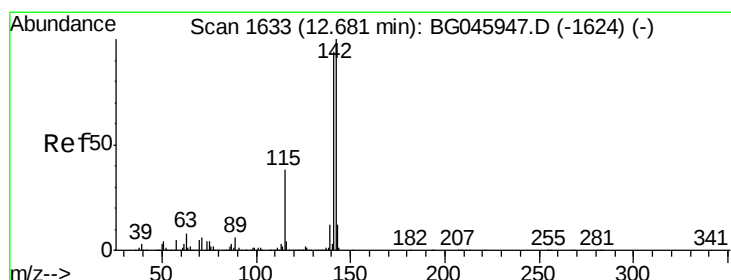
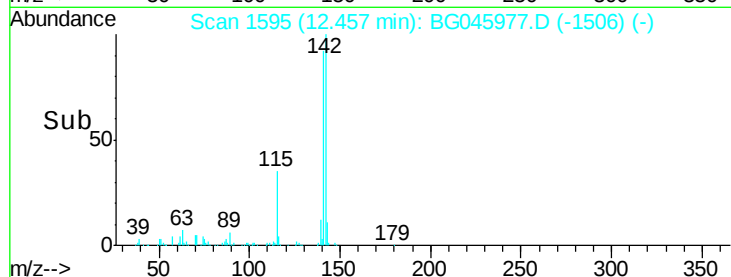
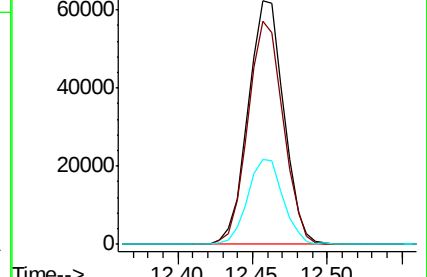
115 35.0 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 4.660 ng

RT: 12.67 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

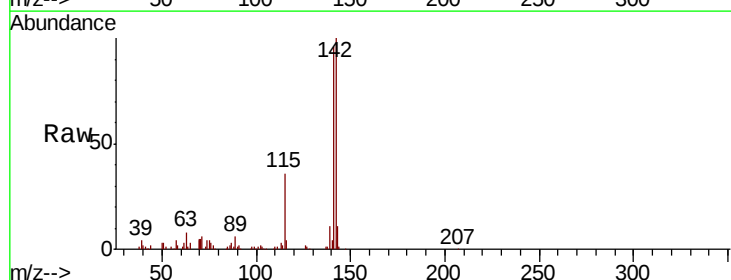
Tgt Ion:142 Resp: 96246

Ion Ratio Lower Upper

142 100

141 96.2 75.2 112.8

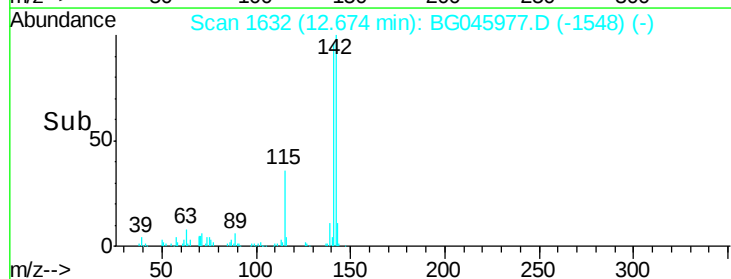
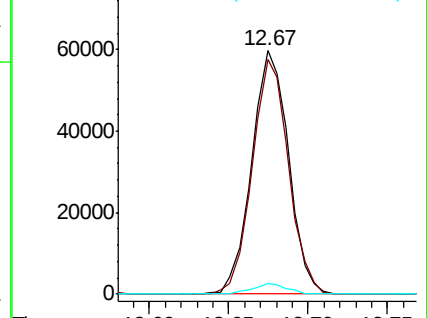
116 4.3 3.1 4.7

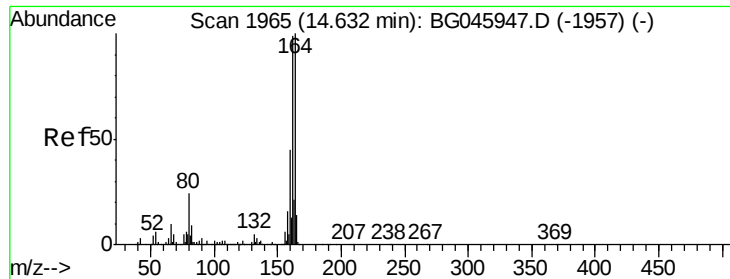


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

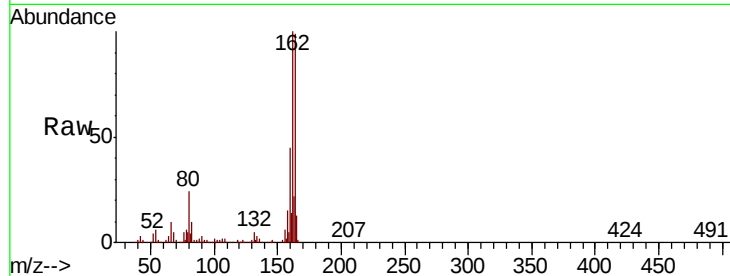
Tot Ion:164 Resp: 340180

Ion Ratio Lower Upper

164 100

162 100.8 79.3 118.9

160 45.7 35.7 53.5

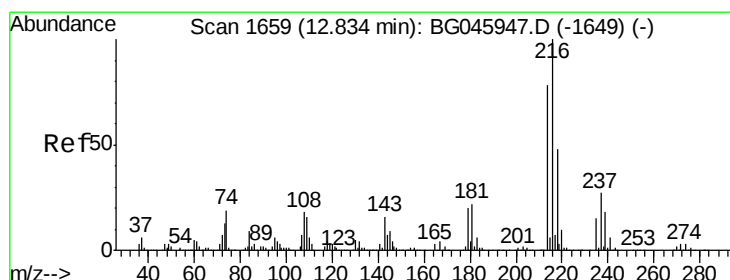
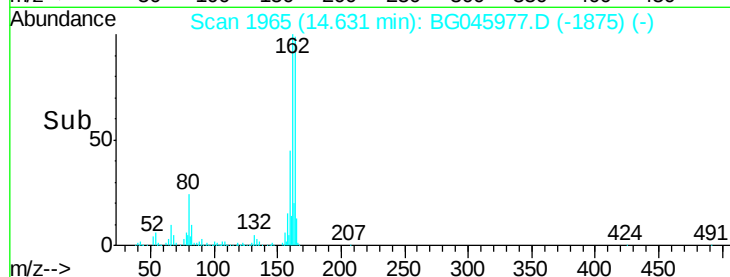
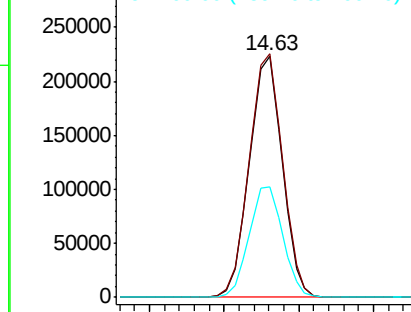


Abundance

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: 4.895 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:216 Resp: 46940

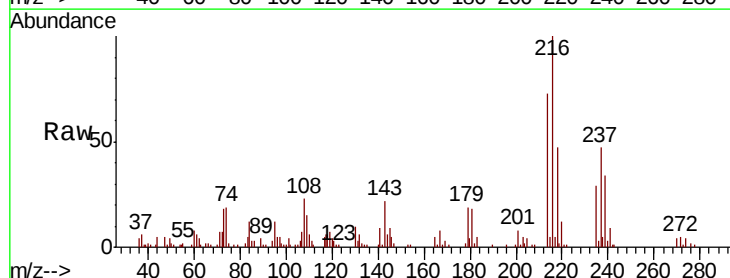
Ion Ratio Lower Upper

216 100

214 76.6 63.0 94.4

179 22.5 17.0 25.6

108 20.4 17.3 25.9



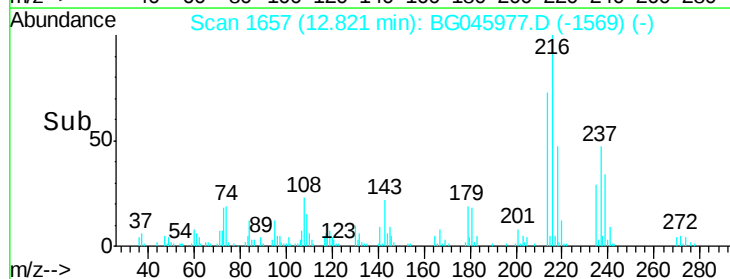
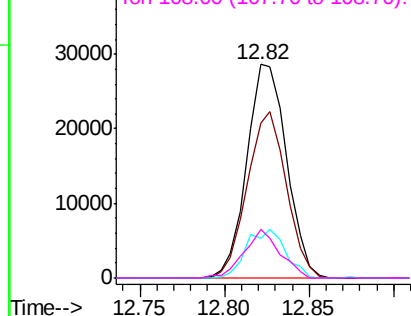
Abundance

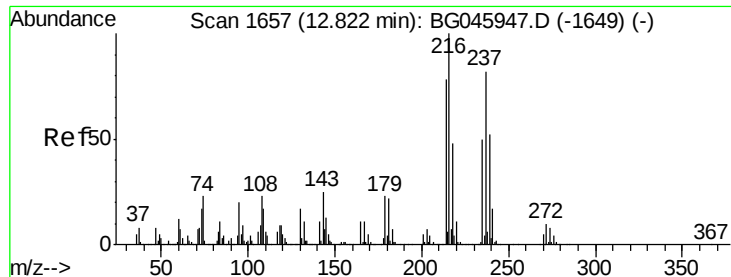
Ion 216.00 (215.70 to 216.70): E

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: 4.238 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

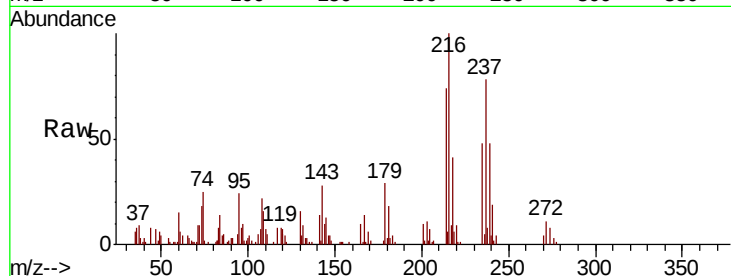
Tot Ion:237 Resp: 24117

Ion Ratio Lower Upper

237 100

235 61.8 41.5 81.5

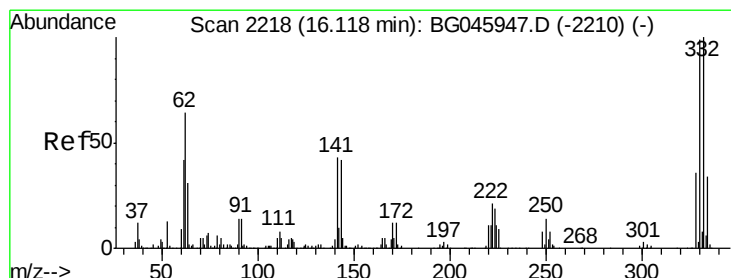
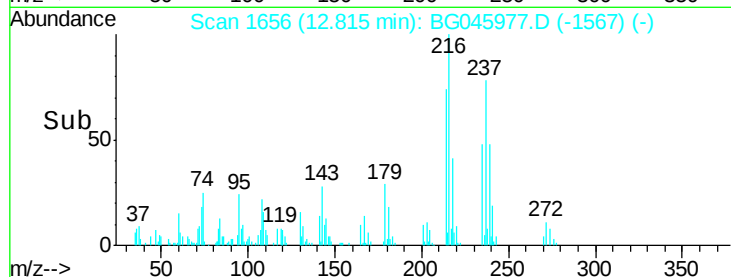
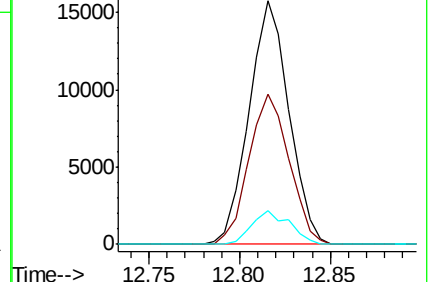
272 14.0 0.0 31.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 103.100 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

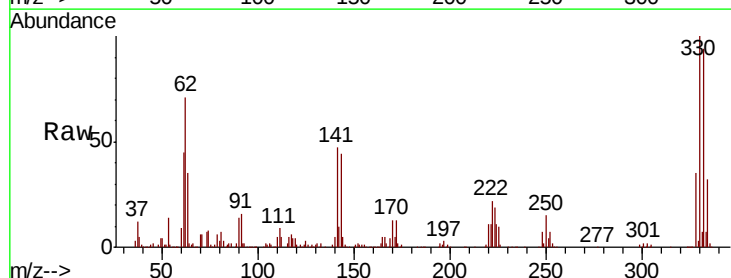
Tgt Ion:330 Resp: 325511

Ion Ratio Lower Upper

330 100

332 95.1 78.3 117.5

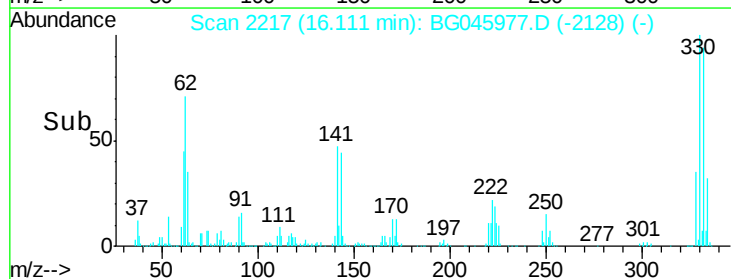
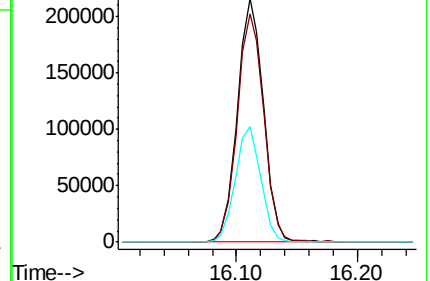
141 46.6 36.6 54.8

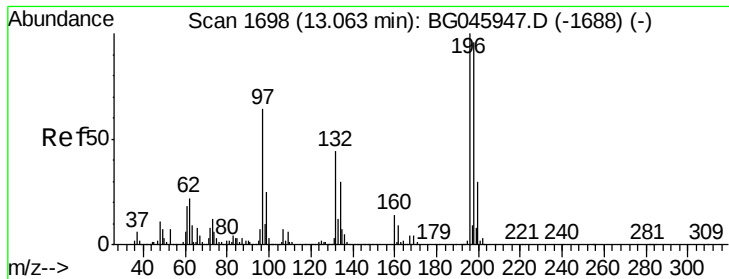


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

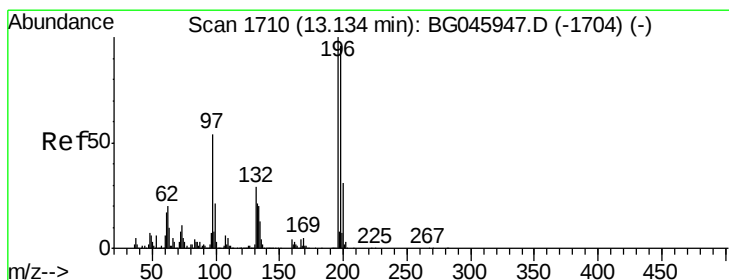
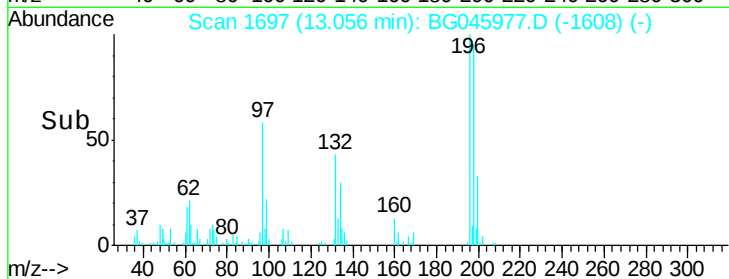
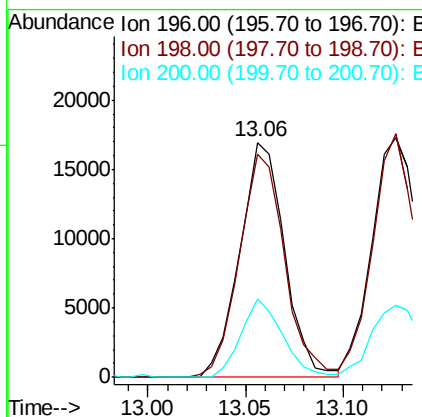
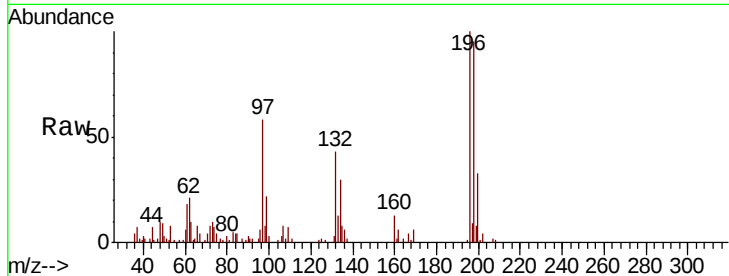




#43
 2,4,6-Trichlorophenol
 Concen: 4.160 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

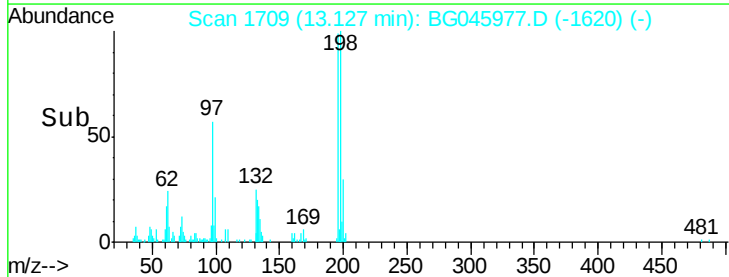
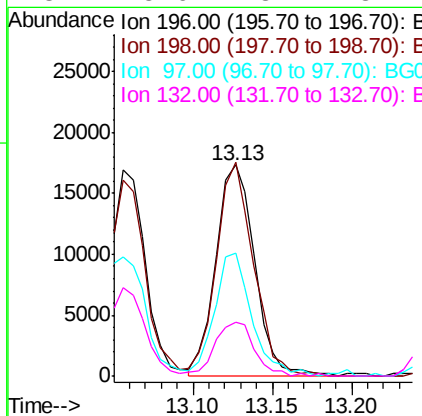
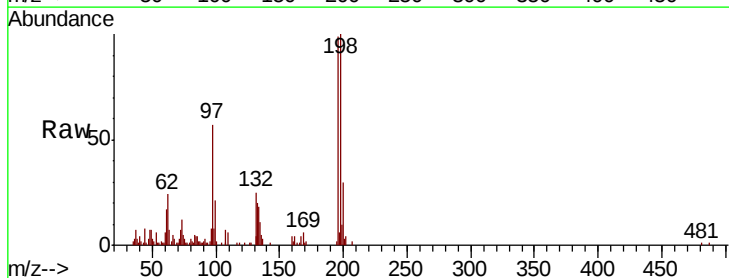
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

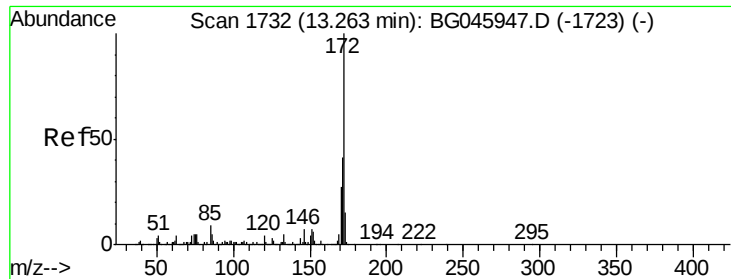
Tot Ion:196 Resp: 26978
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.7 115.1
 200 33.1 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 4.039 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion:196 Resp: 29615
 Ion Ratio Lower Upper
 196 100
 198 101.3 77.0 115.6
 97 58.2 44.3 66.5
 132 25.6 23.1 34.7

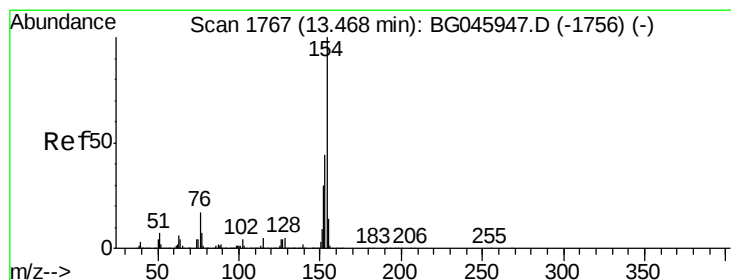
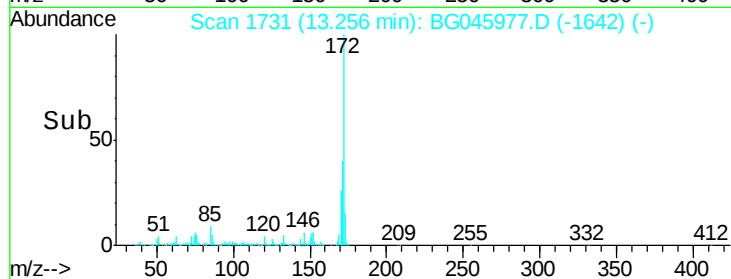
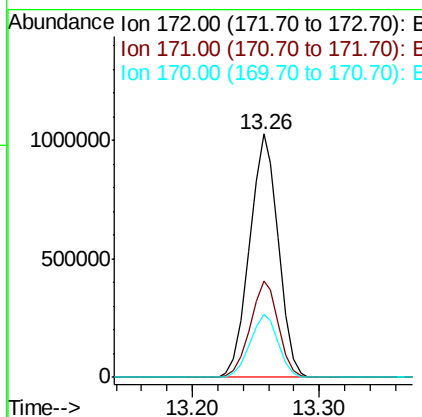
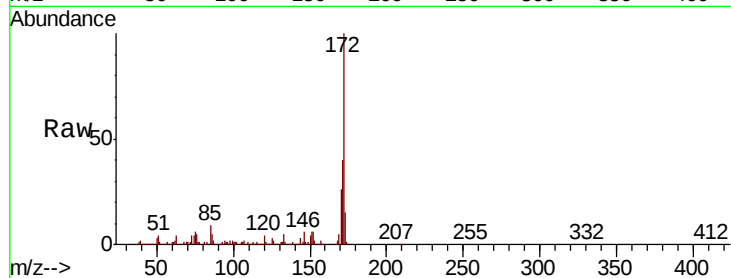




#45
2-Fluorobiphenyl
Concen: 74.058 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

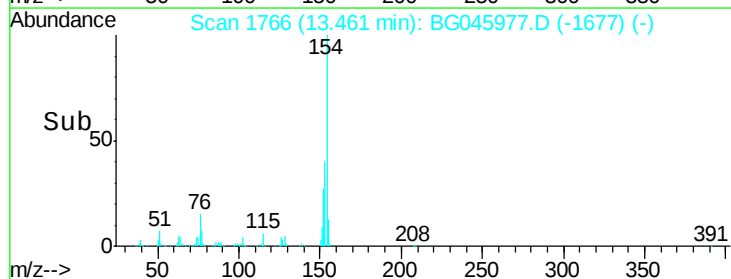
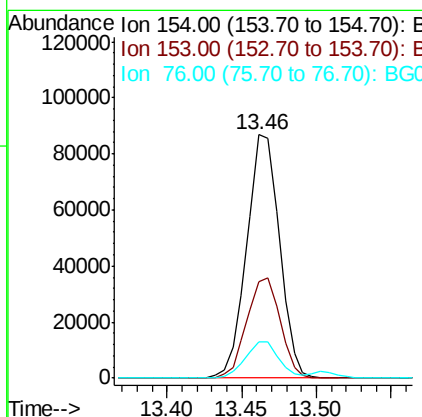
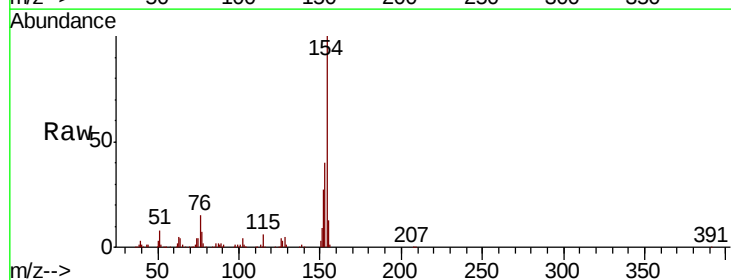
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

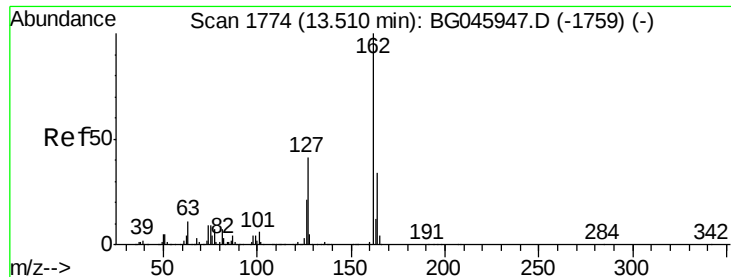
Tot Ion:172 Resp: 1615124
Ion Ratio Lower Upper
172 100
171 39.8 32.9 49.3
170 26.1 21.8 32.6



#46
1,1'-Biphenyl
Concen: 5.130 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:154 Resp: 131287
Ion Ratio Lower Upper
154 100
153 39.7 23.6 63.6
76 14.8 0.0 36.9

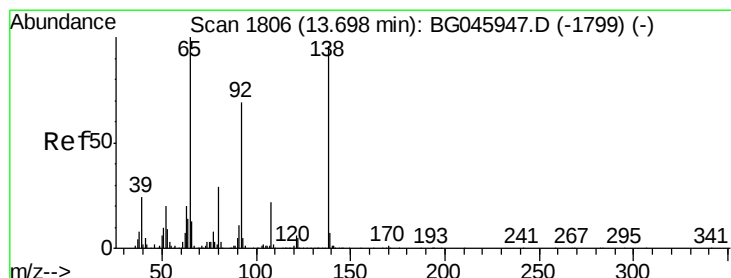
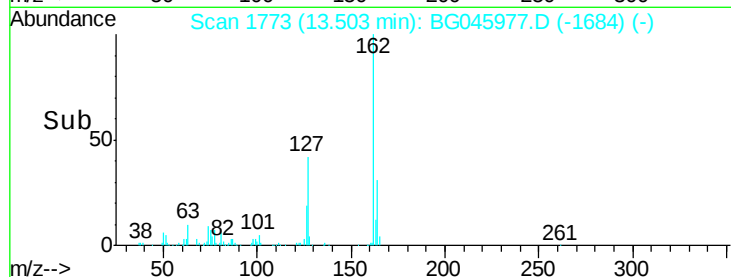
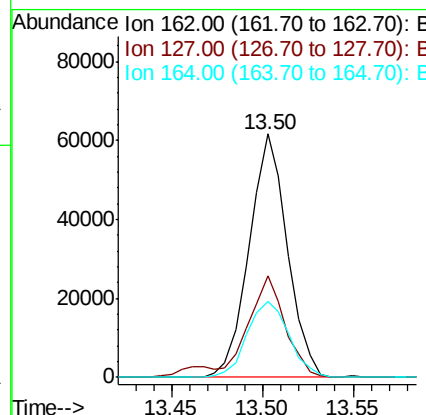
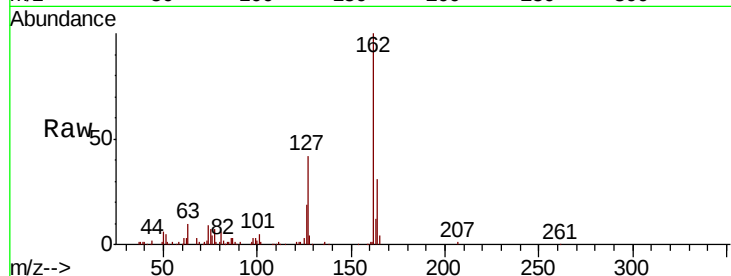




#47
2-Chloronaphthalene
Concen: 4.471 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

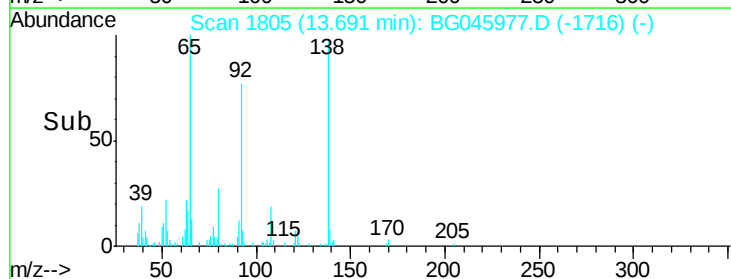
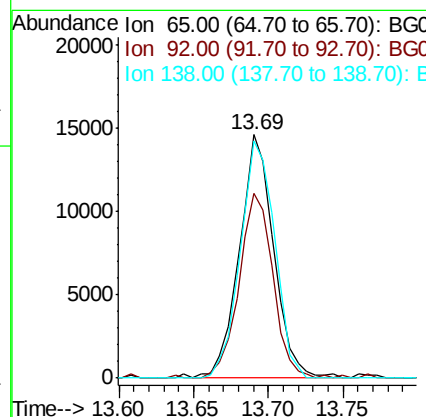
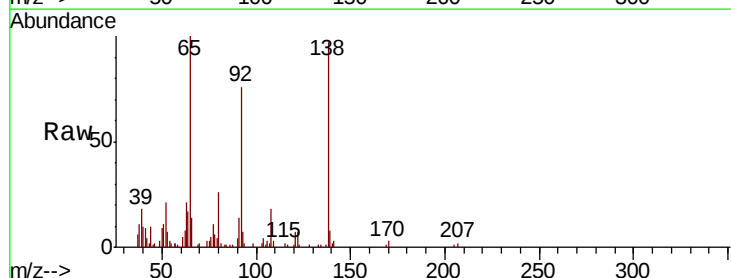
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

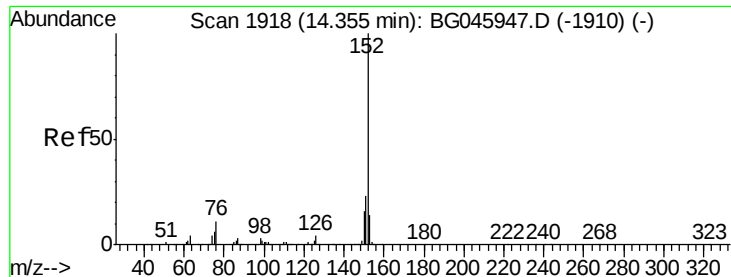
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.5	48.7
164	31.2	27.2	40.8



#48
2-Nitroaniline
Concen: 4.934 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.8	55.4	83.0
138	97.3	77.0	115.4





#49

Acenaphthylene

Concen: 4.646 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

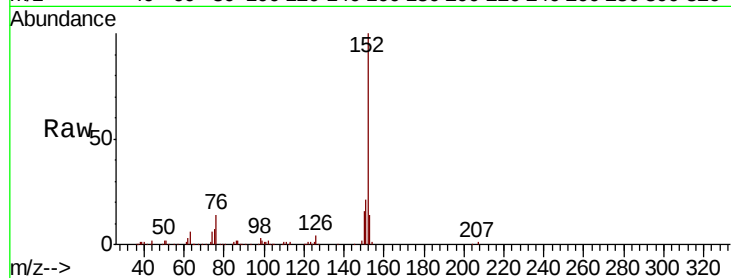
Tot Ion:152 Resp: 151360

Ion Ratio Lower Upper

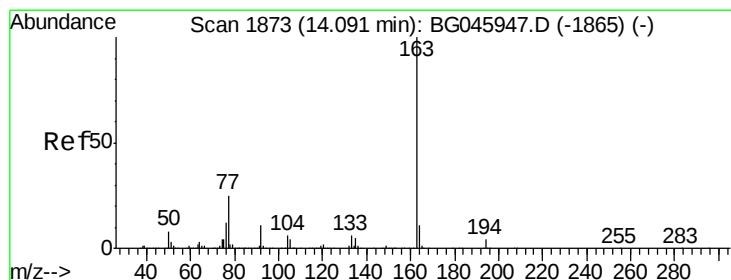
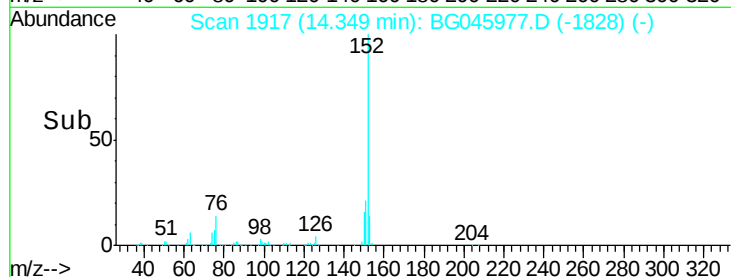
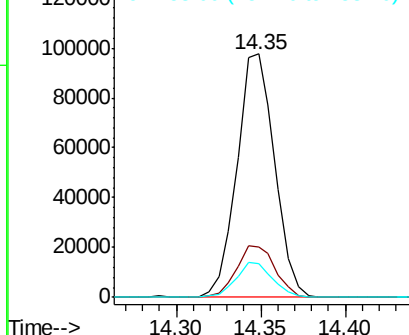
152 100

151 20.8 18.1 27.1

153 13.9 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: 4.418 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

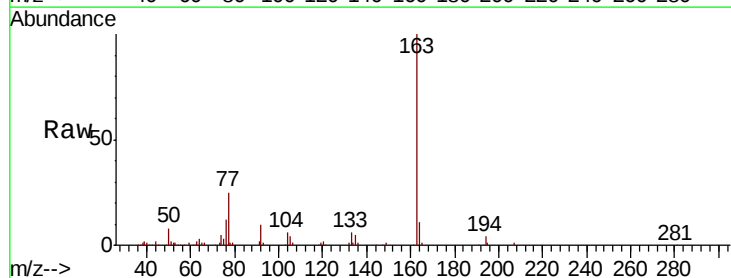
Tgt Ion:163 Resp: 112780

Ion Ratio Lower Upper

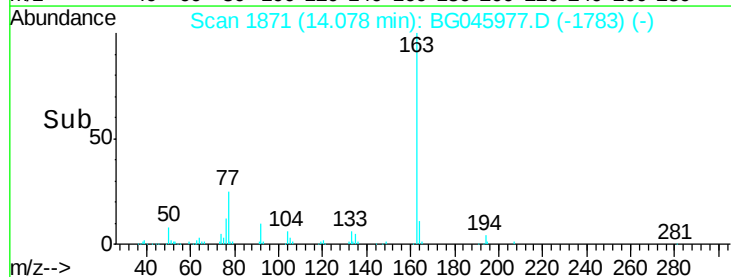
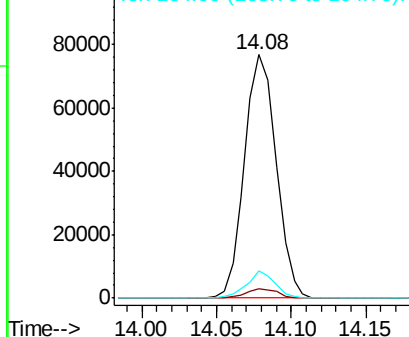
163 100

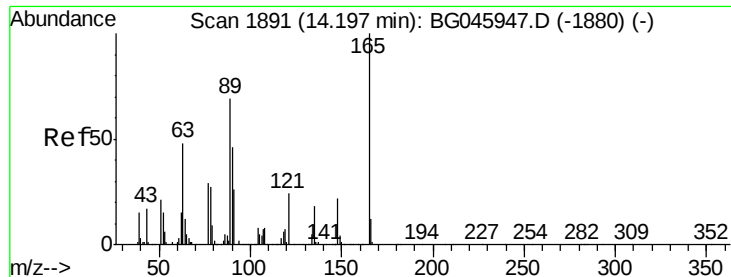
194 3.8 3.6 5.4

164 11.2 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

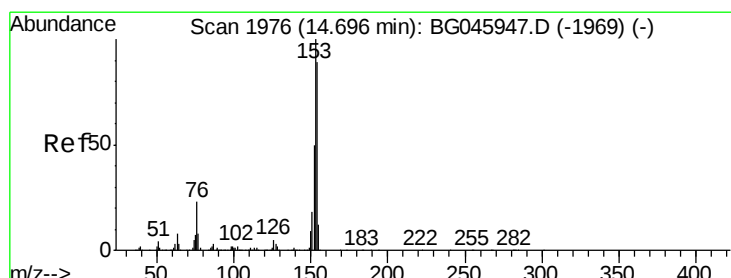
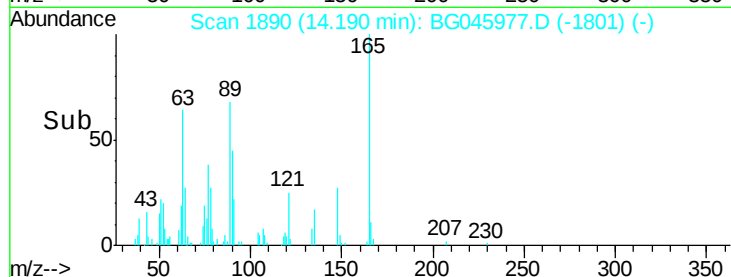
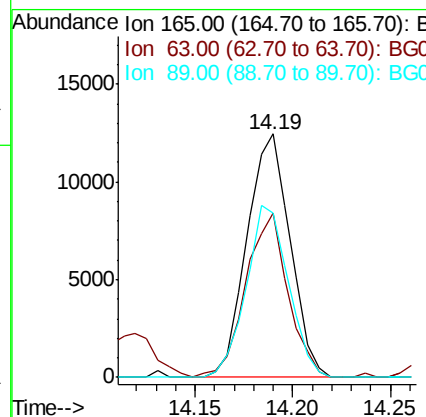
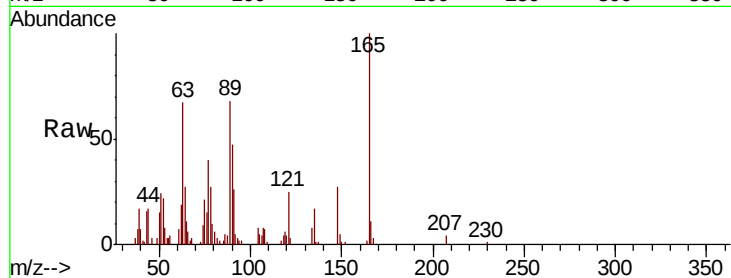




#51
2,6-Dinitrotoluene
Concen: 4.800 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

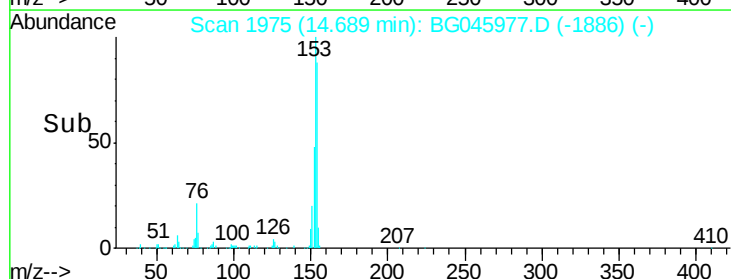
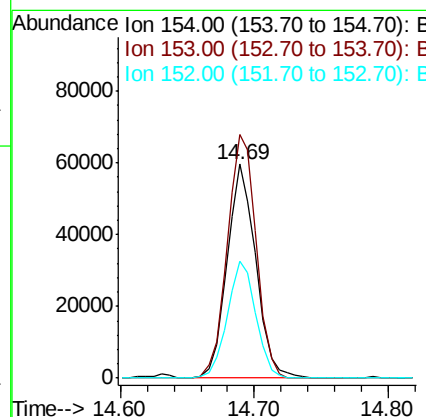
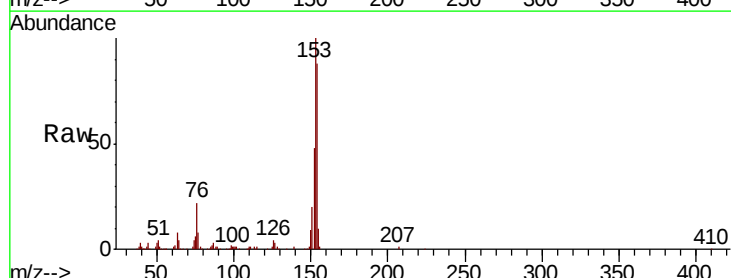
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

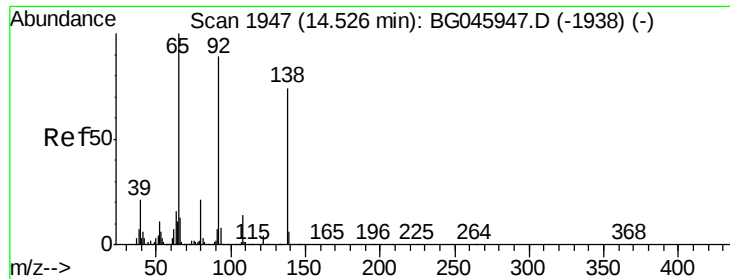
Tot Ion:165 Resp: 19013
Ion Ratio Lower Upper
165 100
63 67.5 51.0 76.4
89 67.7 55.7 83.5



#52
Acenaphthene
Concen: 4.387 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:154 Resp: 90140
Ion Ratio Lower Upper
154 100
153 113.8 89.7 134.5
152 54.3 44.7 67.1





#53

3-Nitroaniline

Concen: 4.417 ng

RT: 14.51 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

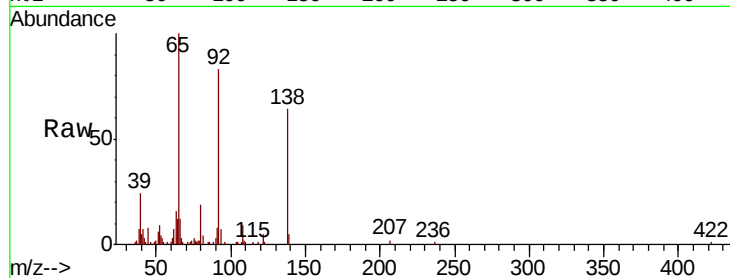
Tot Ion:138 Resp: 21684

Ion Ratio Lower Upper

138 100

108 13.5 15.4 23.2#

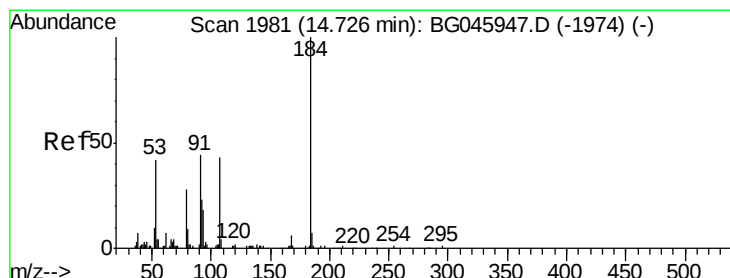
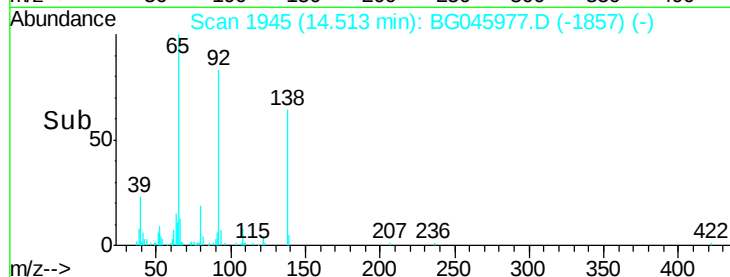
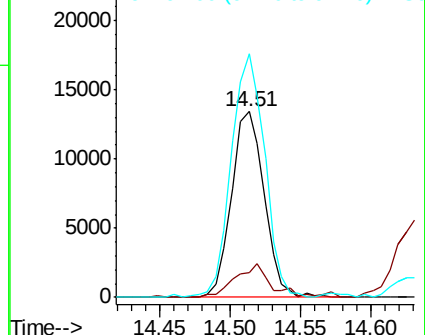
92 131.1 95.9 143.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 2.551 ng

RT: 14.71 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

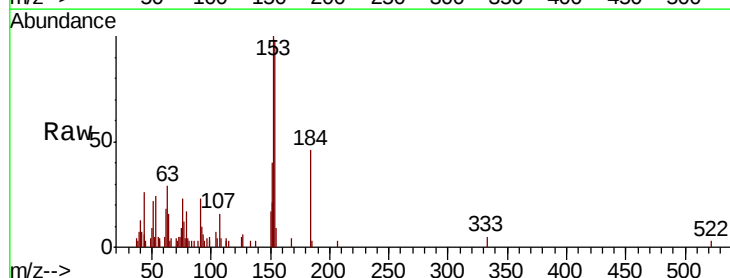
Tgt Ion:184 Resp: 3564

Ion Ratio Lower Upper

184 100

63 64.2 46.0 69.0

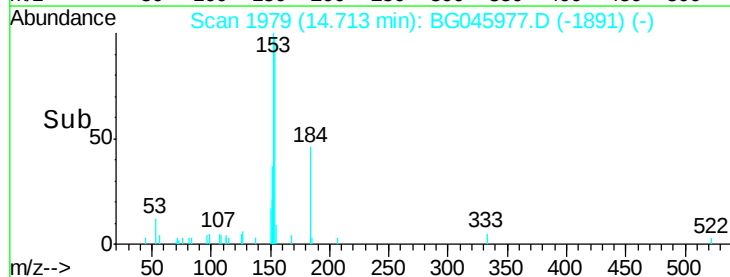
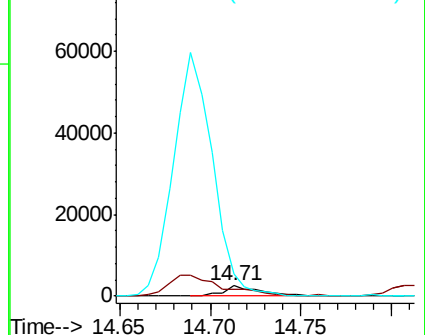
154 215.5 58.2 87.2#

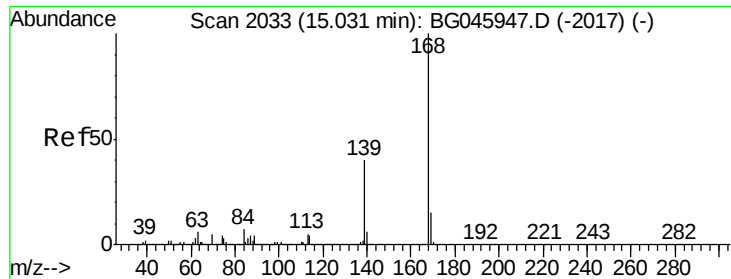


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

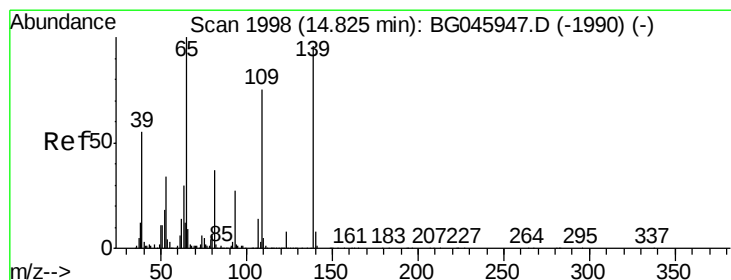
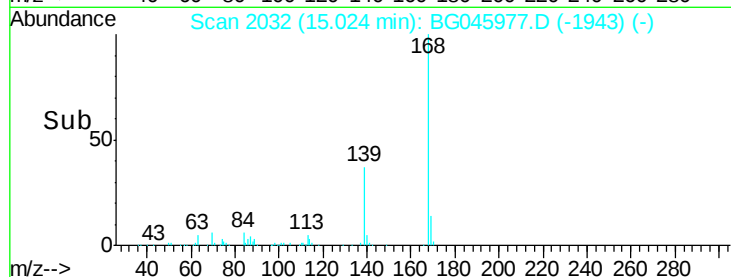
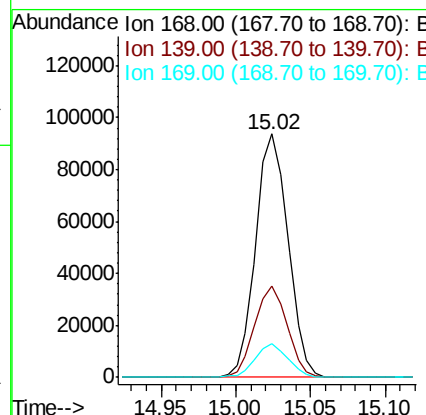
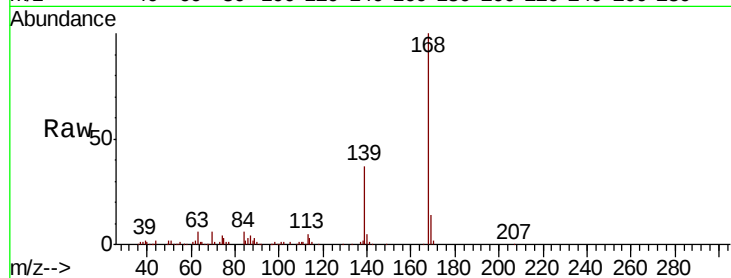




#55
Dibenzenofuran
Concen: 4.647 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

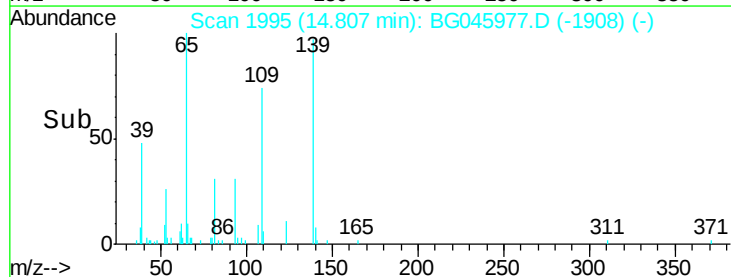
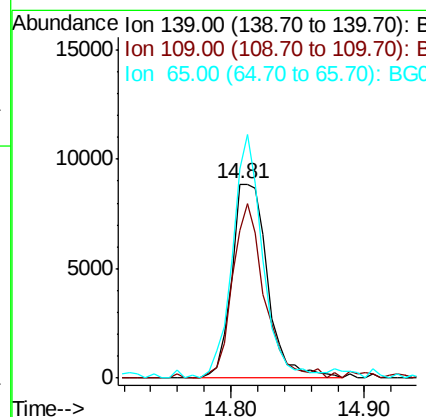
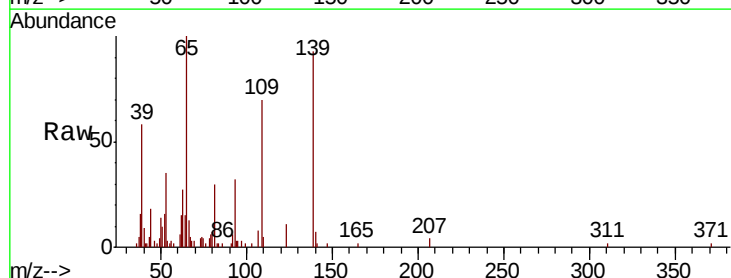
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

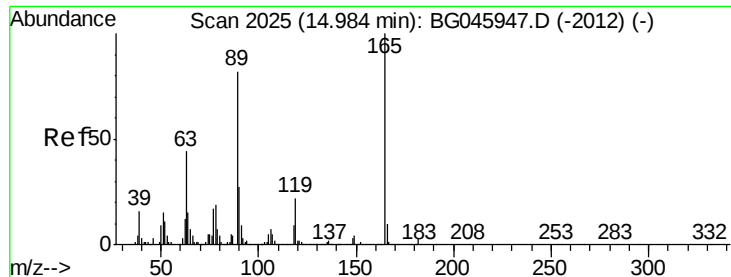
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.2	48.2
169	13.9	11.8	17.8



#56
4-Nitrophenol
Concen: 3.989 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	75.9	58.5	98.5
65	107.8	84.7	124.7

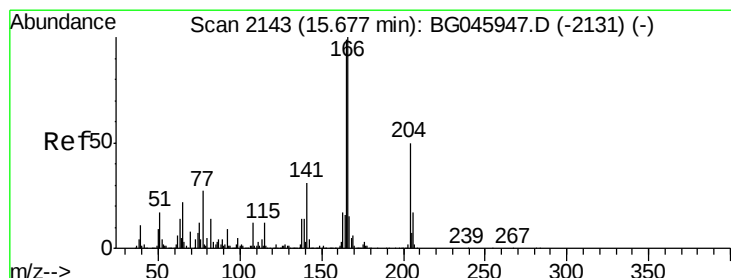
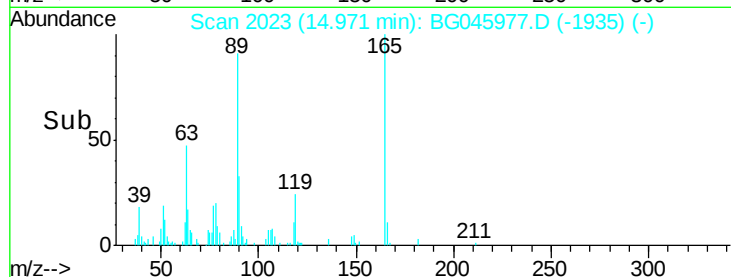
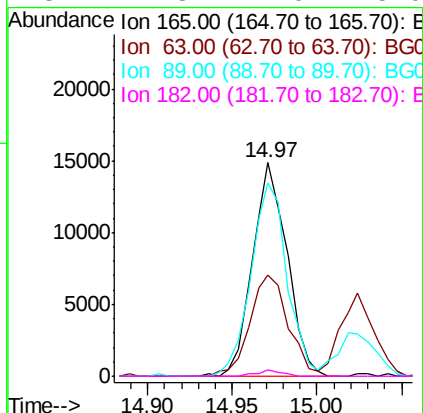
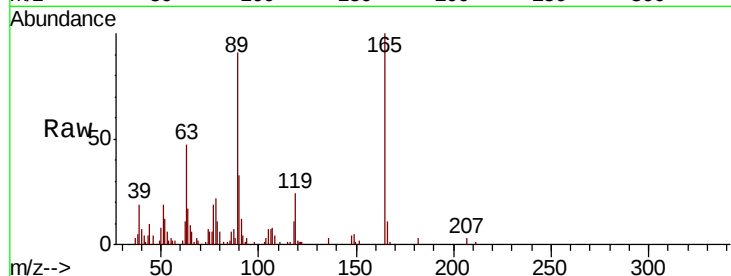




#57
2,4-Dinitrotoluene
Concen: 4.302 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

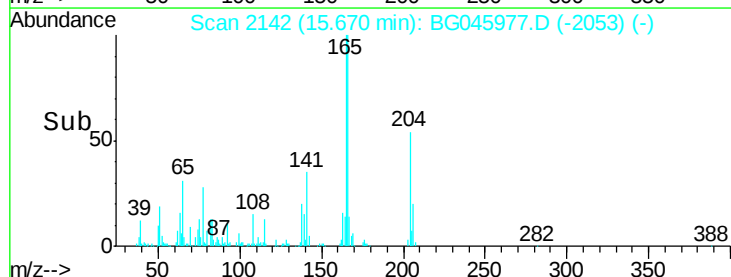
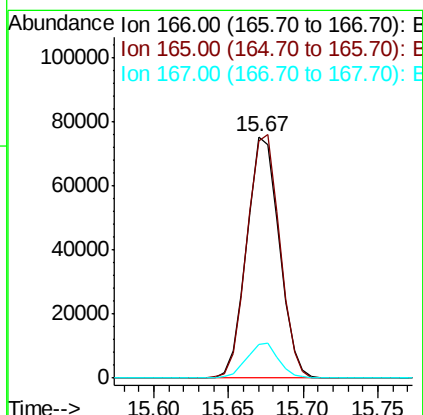
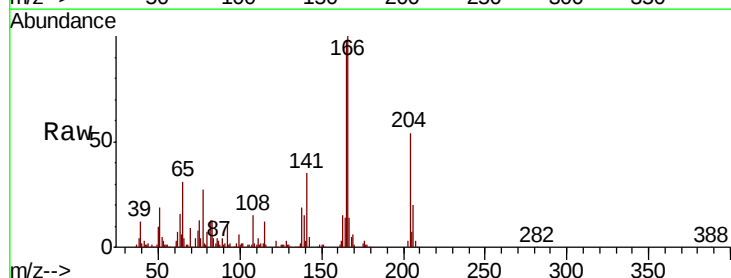
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

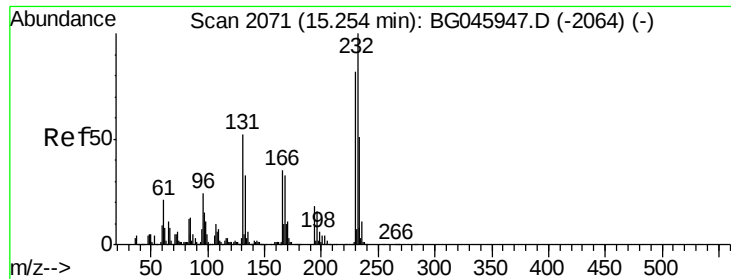
Tot Ion:165 Resp: 21057
Ion Ratio Lower Upper
165 100
63 47.4 35.4 53.0
89 90.6 65.4 98.2
182 2.8 2.0 3.0



#58
Fluorene
Concen: 4.577 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:166 Resp: 113097
Ion Ratio Lower Upper
166 100
165 98.5 78.9 118.3
167 13.8 12.1 18.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.131 ng

RT: 15.25 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:232 Resp: 23385

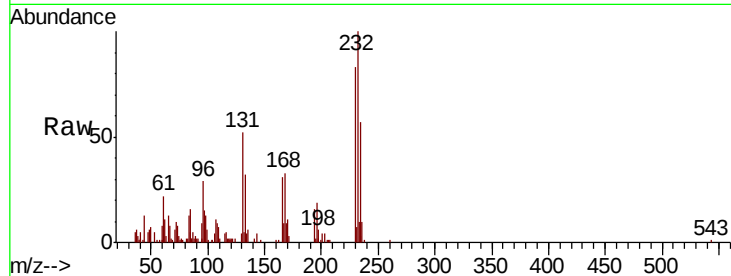
Ion Ratio Lower Upper

232 100

131 52.1 35.8 53.6

130 3.1 2.5 3.7

166 32.4 21.8 32.8

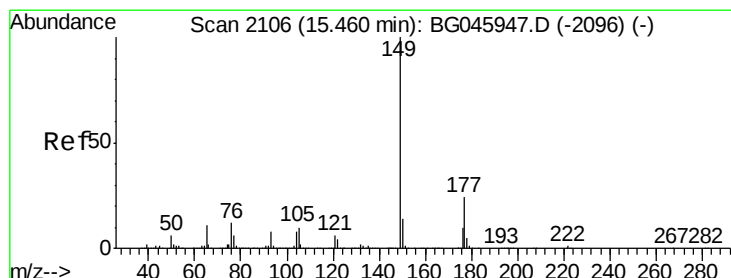
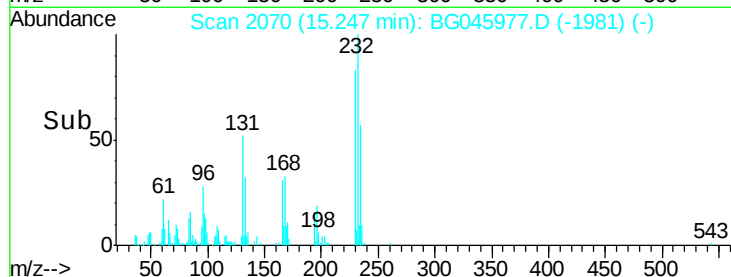
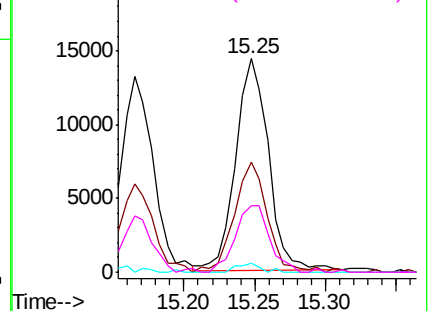


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 4.353 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

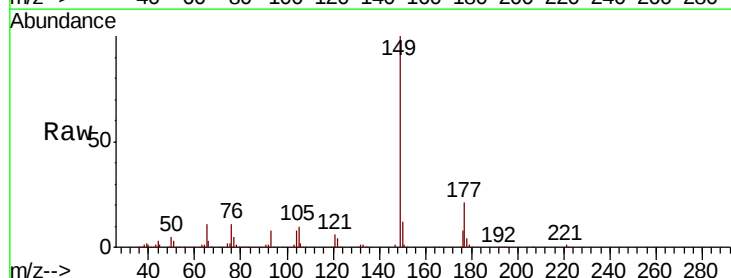
Tgt Ion:149 Resp: 116541

Ion Ratio Lower Upper

149 100

177 21.5 19.0 28.4

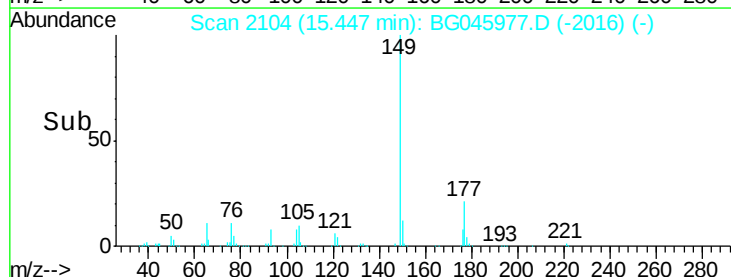
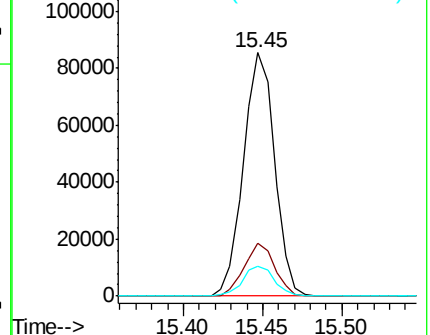
150 12.2 11.0 16.4

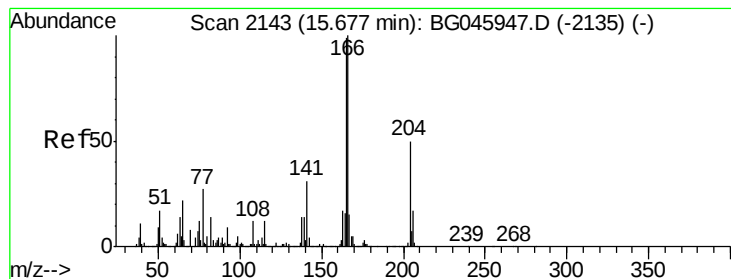


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 4.469 ng

RT: 15.67 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

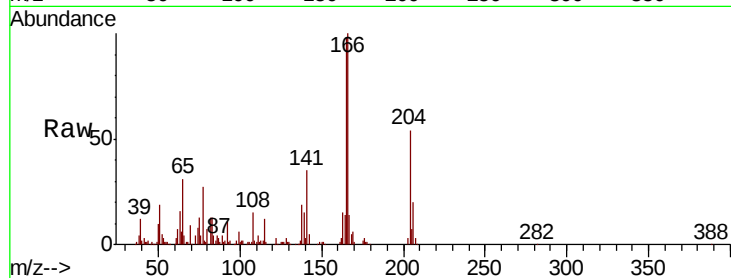
Tot Ion:204 Resp: 54934

Ion Ratio Lower Upper

204 100

206 36.6 27.1 40.7

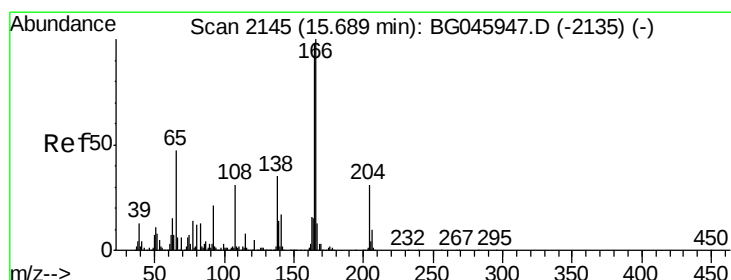
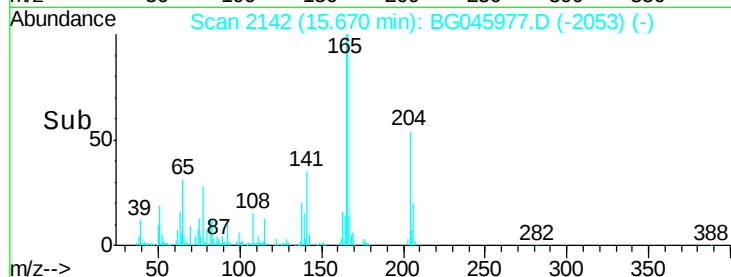
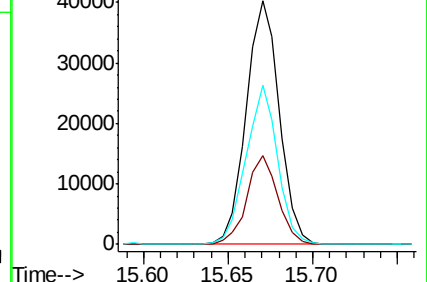
141 65.1 49.8 74.8



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 4.548 ng

RT: 15.68 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

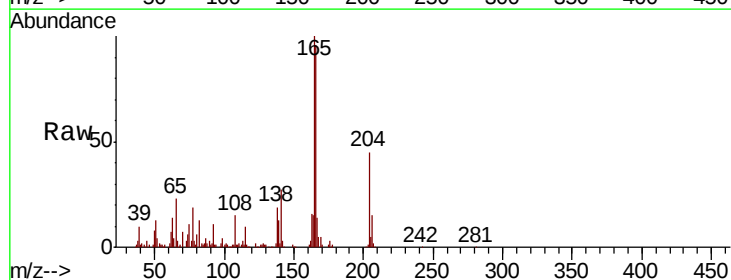
Tgt Ion:138 Resp: 23995

Ion Ratio Lower Upper

138 100

92 56.3 40.3 80.3

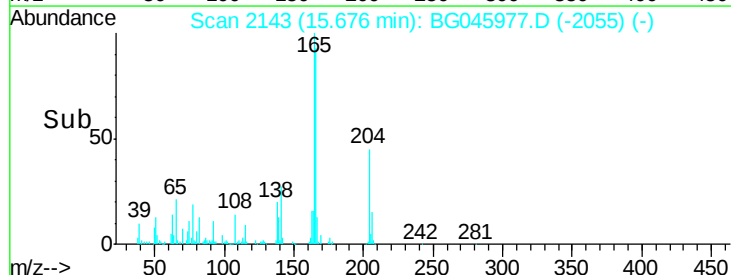
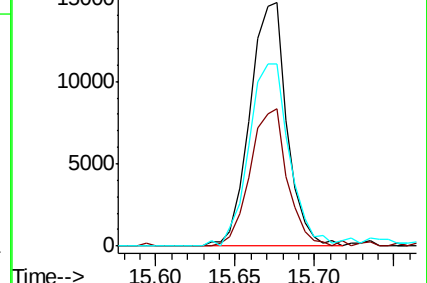
108 74.9 68.0 108.0

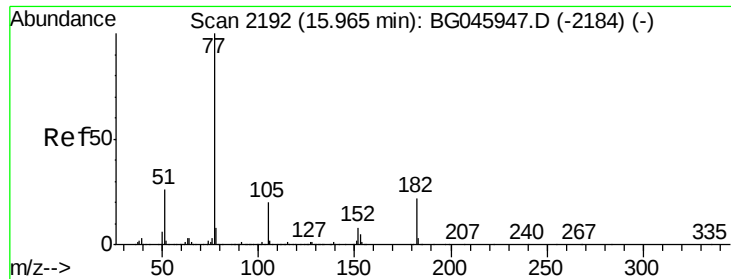


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 4.755 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 136643

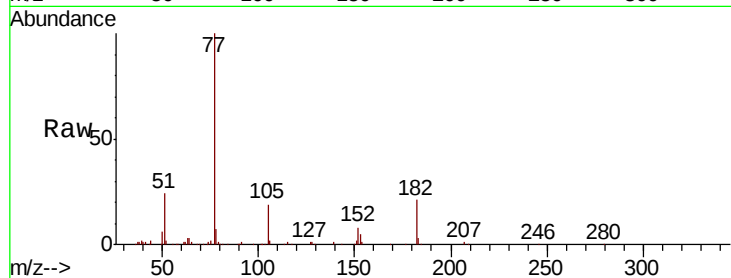
Ion Ratio Lower Upper

77 100

182 21.1 2.4 42.4

105 19.4 0.3 40.3

51 23.8 6.3 46.3

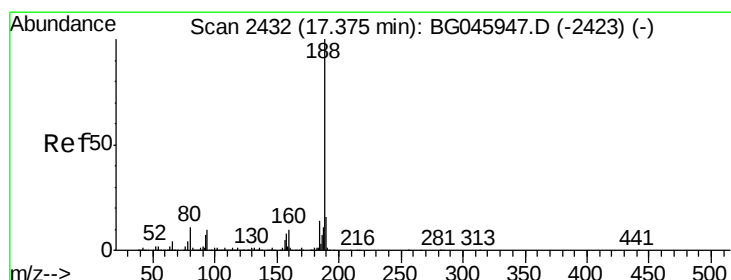
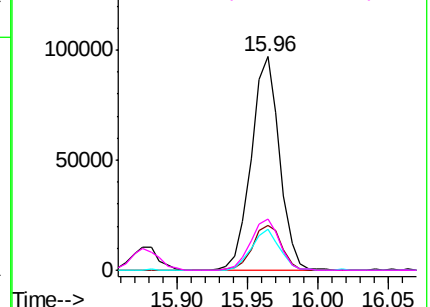
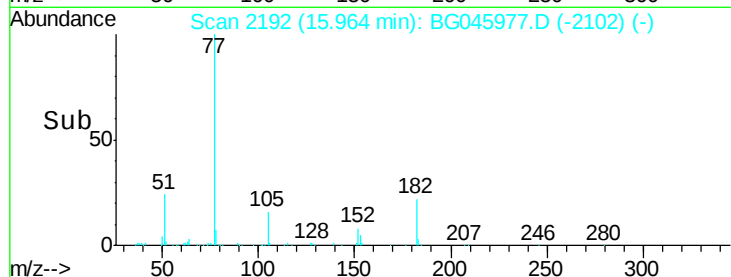


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

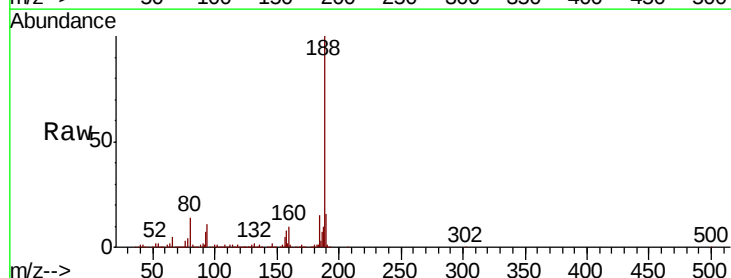
Tgt Ion: 188 Resp: 702440

Ion Ratio Lower Upper

188 100

94 11.0 8.2 12.4

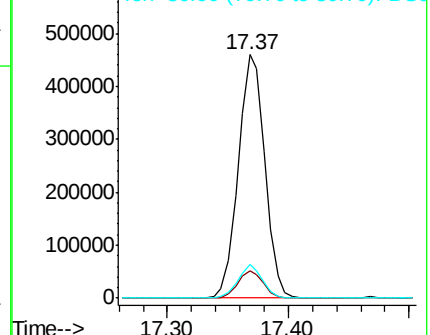
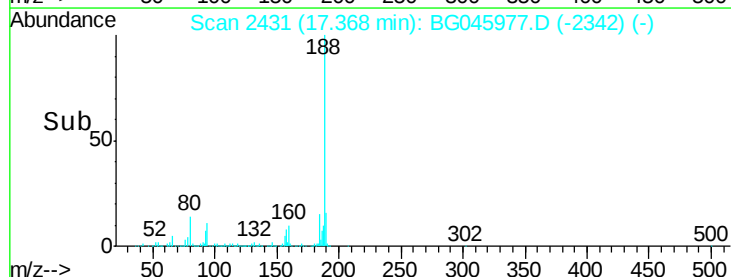
80 13.7 9.0 13.6#

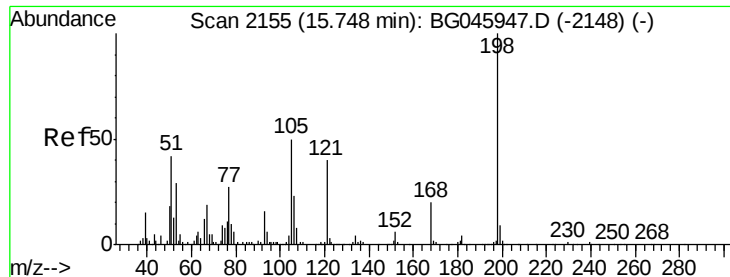


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 3.502 ng

RT: 15.73 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

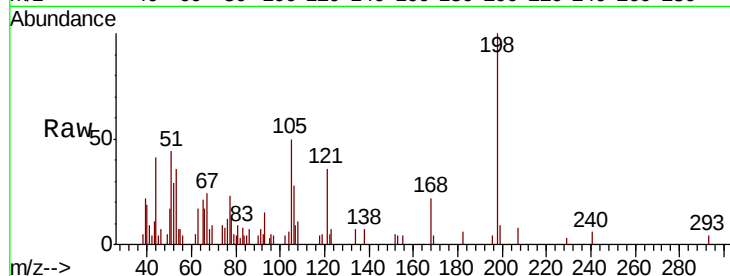
Tot Ion:198 Resp: 7205

Ion Ratio Lower Upper

198 100

51 44.2 24.5 64.5

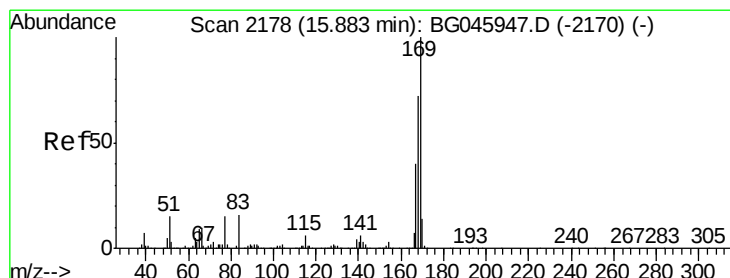
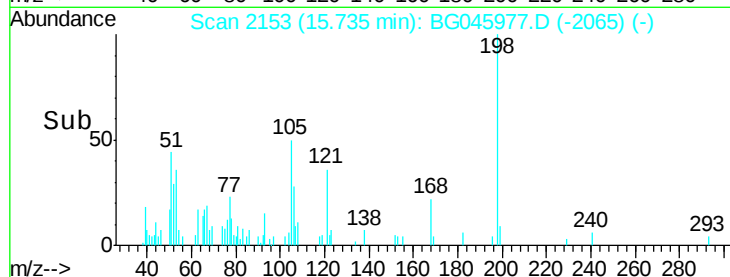
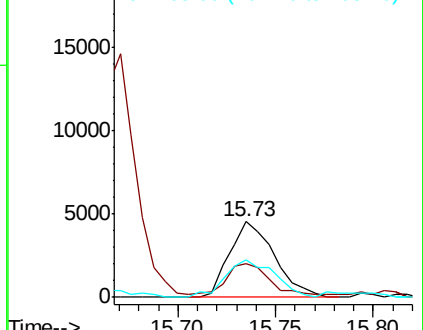
105 50.2 30.9 70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 4.487 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

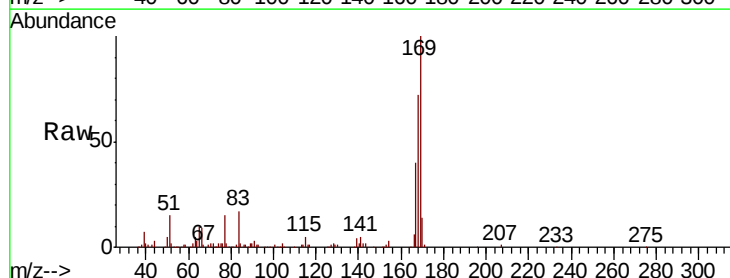
Tgt Ion:169 Resp: 97671

Ion Ratio Lower Upper

169 100

168 72.4 57.3 85.9

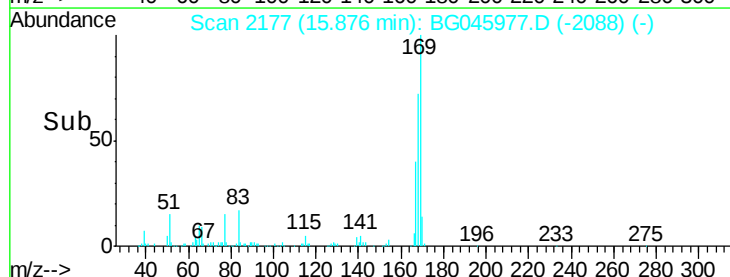
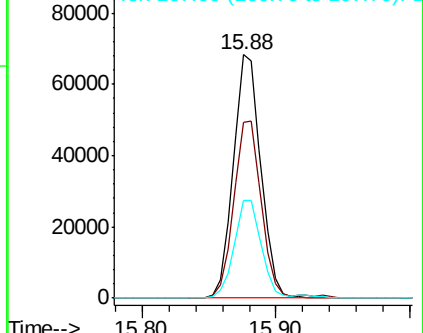
167 40.0 32.1 48.1

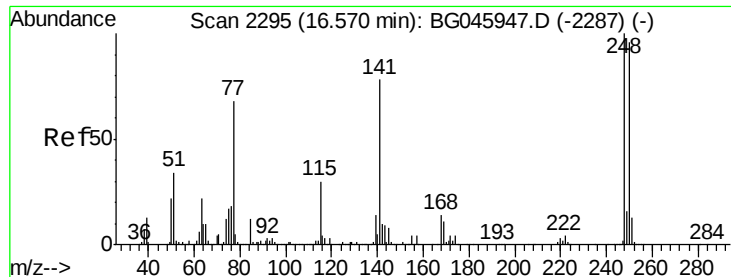


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

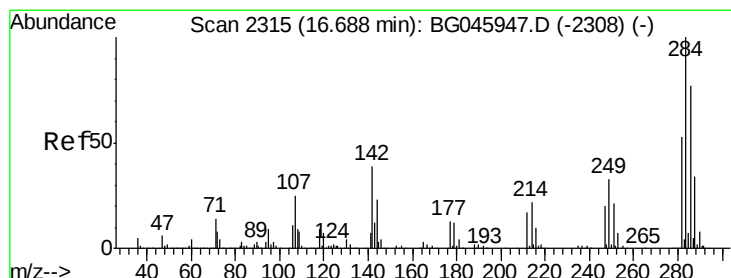
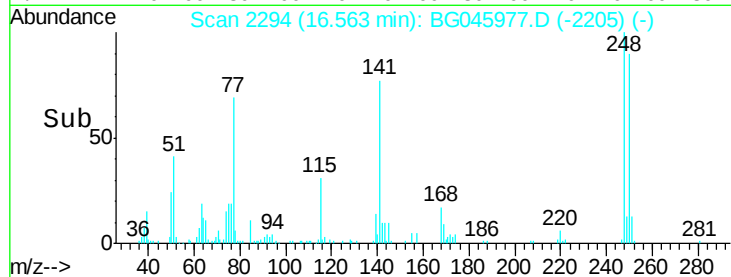
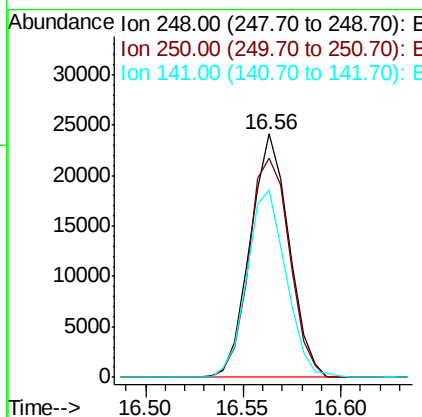
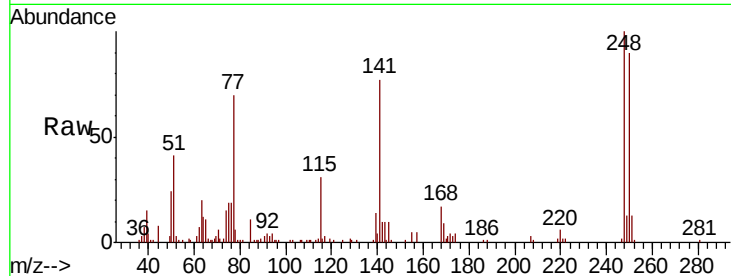




#67
4-Bromophenyl-phenylether
Concen: 4.241 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

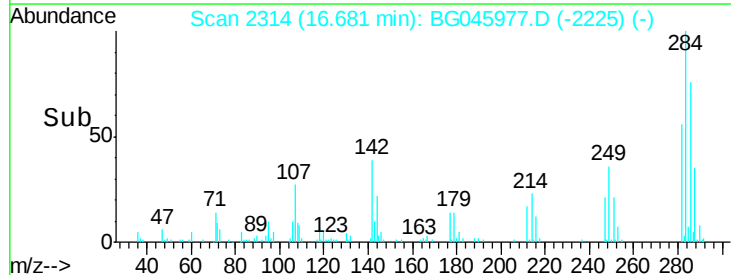
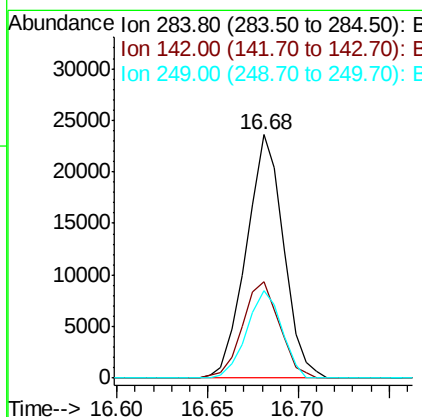
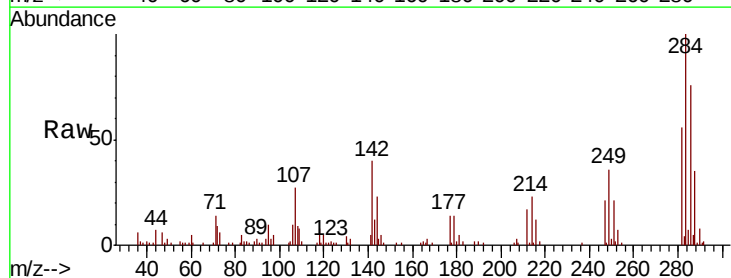
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

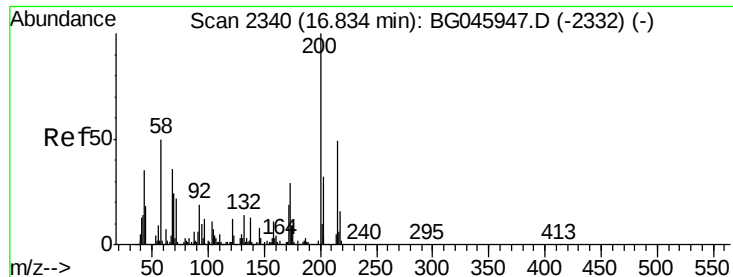
Tot Ion:248 Resp: 33268
Ion Ratio Lower Upper
248 100
250 89.9 76.6 114.8
141 76.9 62.7 94.1



#68
Hexachlorobenzene
Concen: 4.280 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:284 Resp: 33697
Ion Ratio Lower Upper
284 100
142 39.7 31.3 46.9
249 35.7 26.8 40.2





#69

Atrazine

Concen: 5.170 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

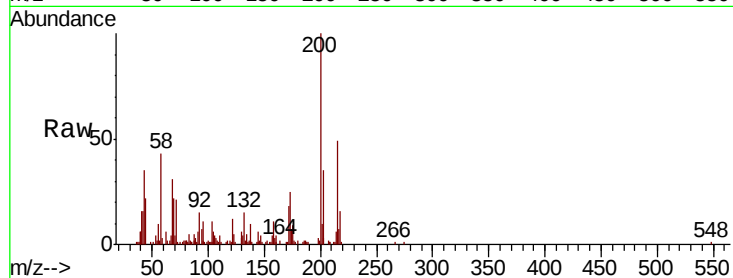
Tot Ion:200 Resp: 33274

Ion Ratio Lower Upper

200 100

173 24.7 9.1 49.1

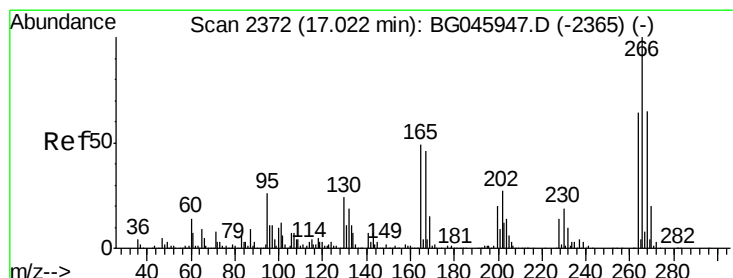
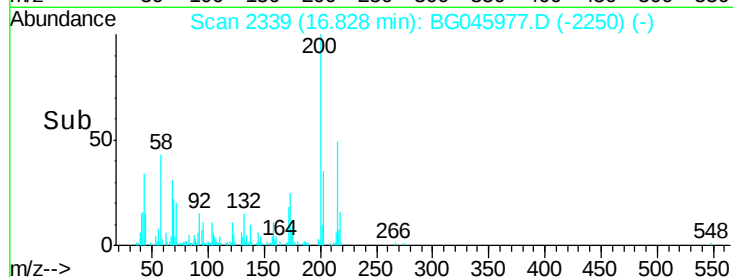
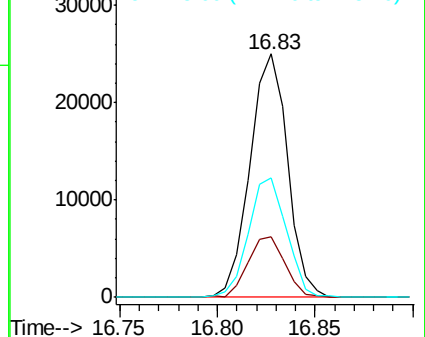
215 49.0 28.8 68.8



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: 3.206 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

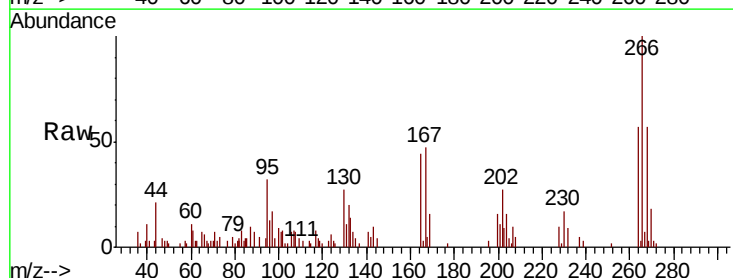
Tgt Ion:266 Resp: 14031

Ion Ratio Lower Upper

266 100

268 57.5 51.8 77.8

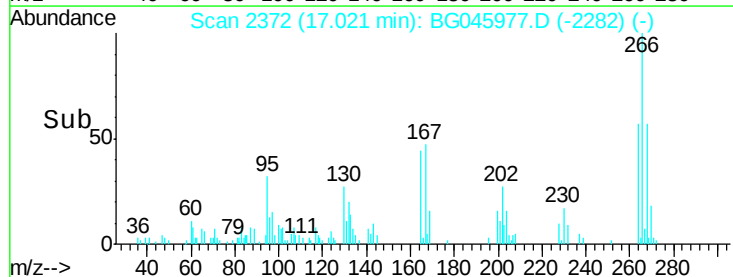
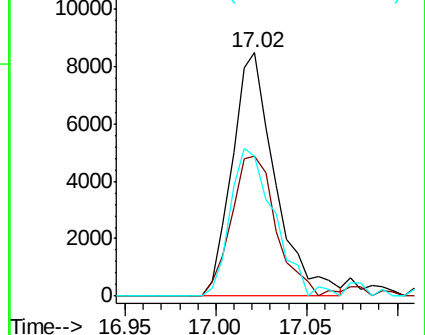
264 57.2 51.4 77.0

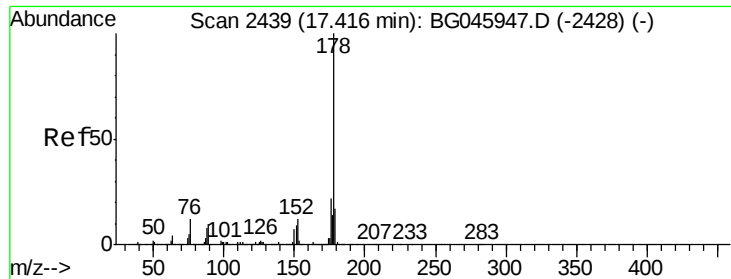


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

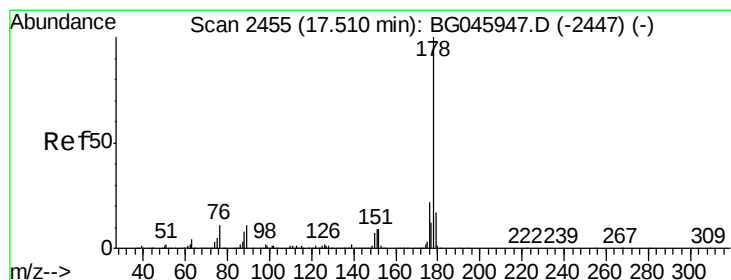
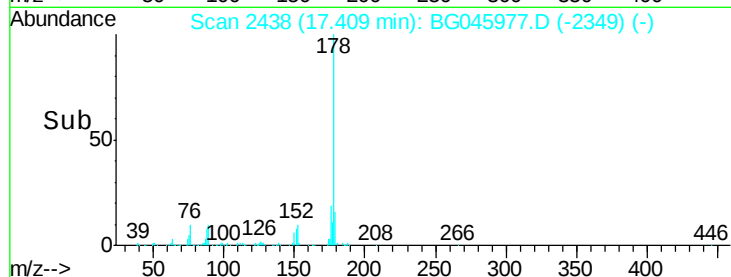
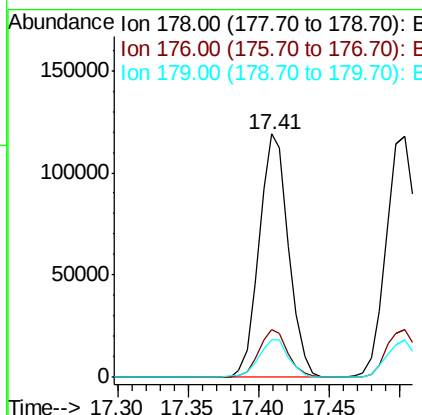
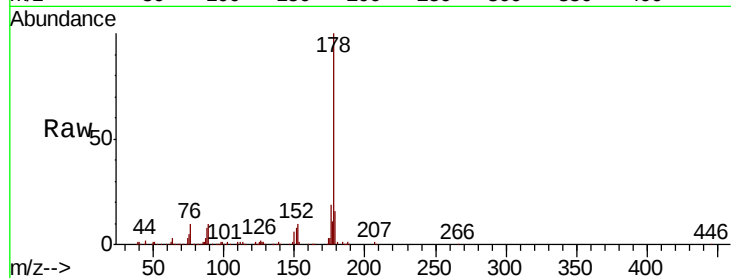




#71
Phenanthrene
Concen: 4.696 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

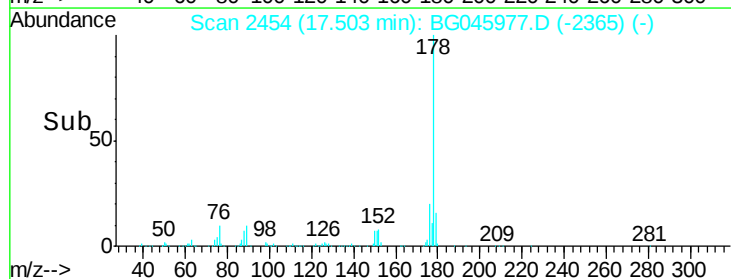
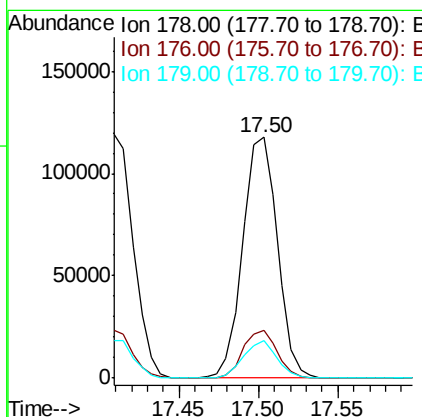
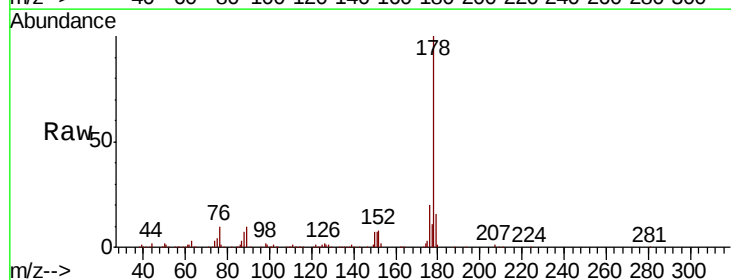
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

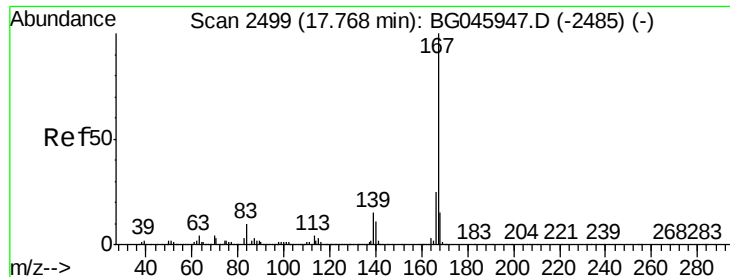
Tot Ion:178 Resp: 174374
Ion Ratio Lower Upper
178 100
176 19.4 17.4 26.2
179 15.7 13.4 20.2



#72
Anthracene
Concen: 4.744 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:178 Resp: 178802
Ion Ratio Lower Upper
178 100
176 20.0 17.2 25.8
179 15.9 14.0 21.0

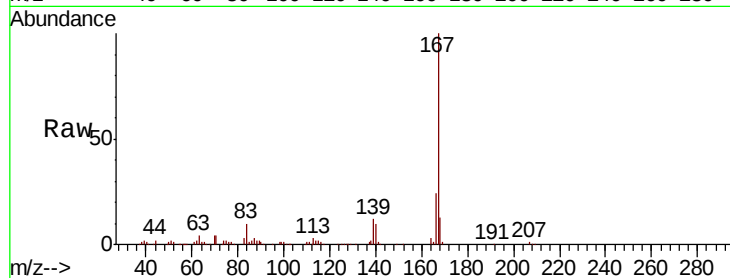




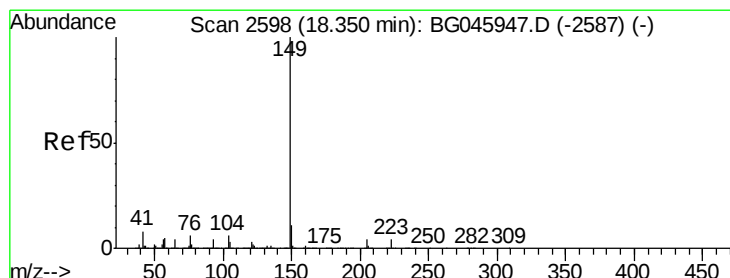
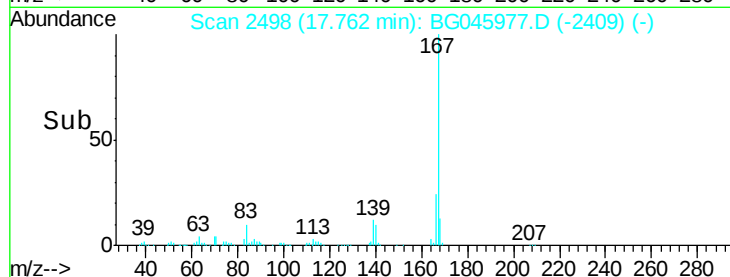
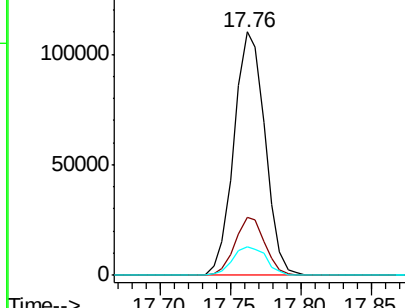
#73
 Carbazole
 Concen: 4.463 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	20.4	30.6
139	11.7	11.8	17.8#

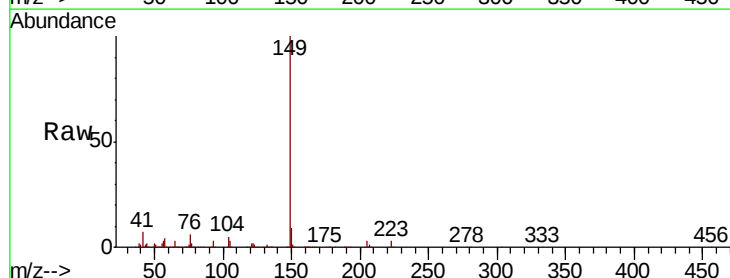


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

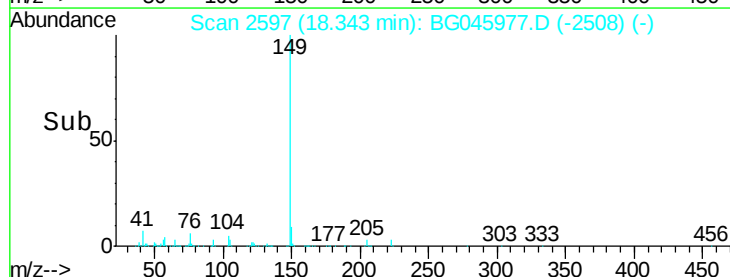
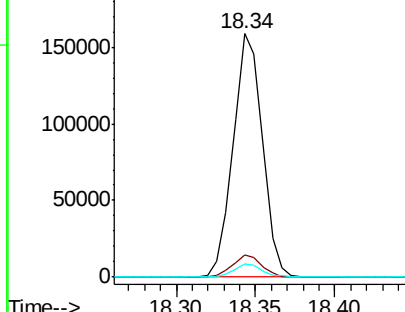


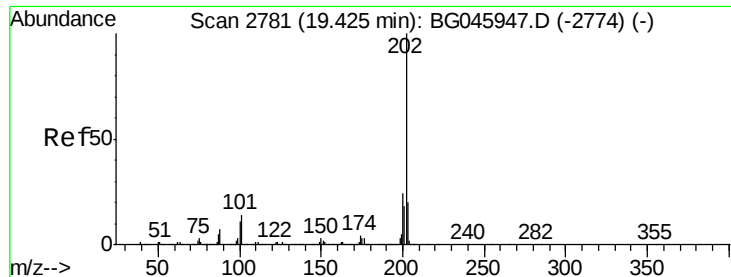
#74
 Di-n-butylphthalate
 Concen: 4.441 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.3	5.2	7.8



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





#75

Fluoranthene

Concen: 4.788 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

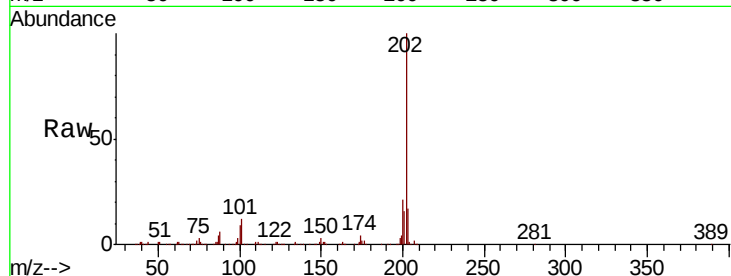
Tot Ion:202 Resp: 205565

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.8

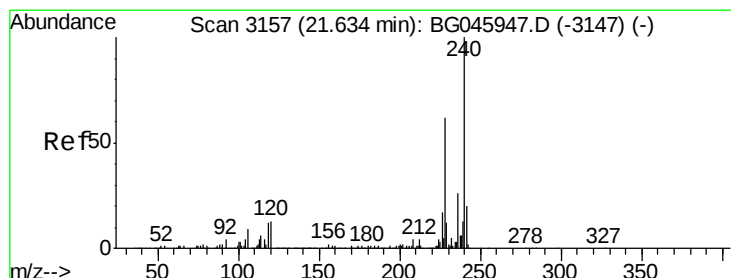
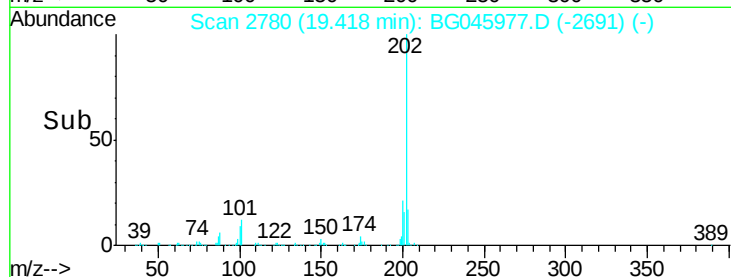
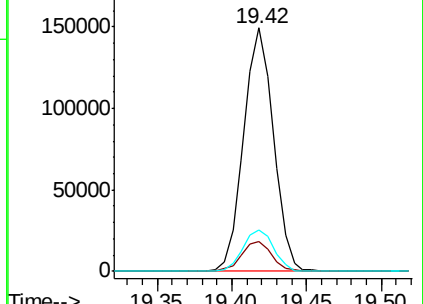
203 17.1 0.4 40.4



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

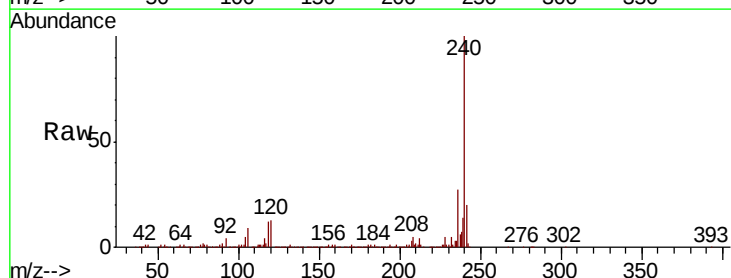
Tgt Ion:240 Resp: 668557

Ion Ratio Lower Upper

240 100

120 12.6 10.6 16.0

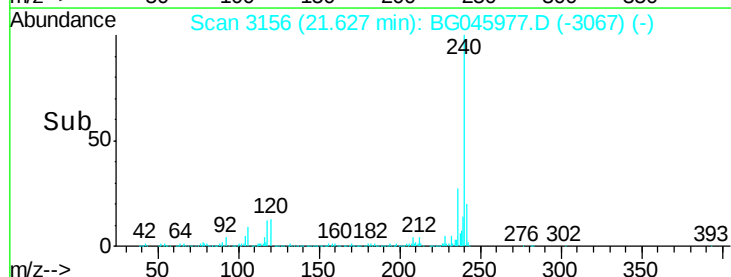
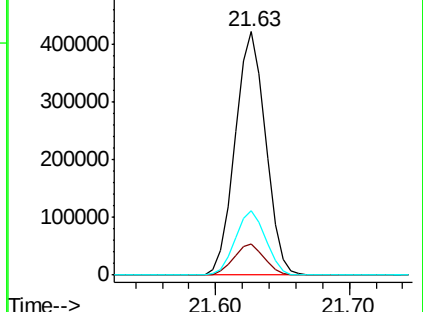
236 26.6 20.4 30.6

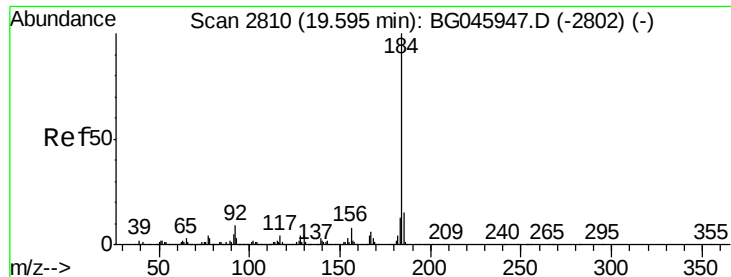


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.533 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

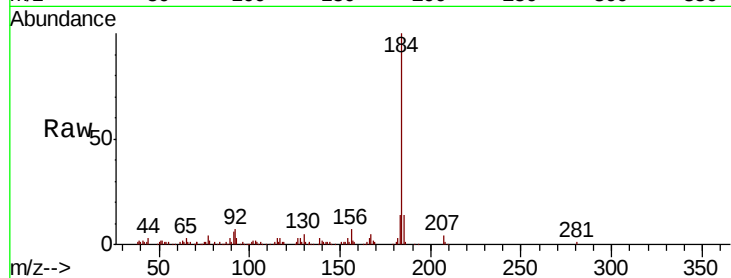
Tot Ion:184 Resp: 105775

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

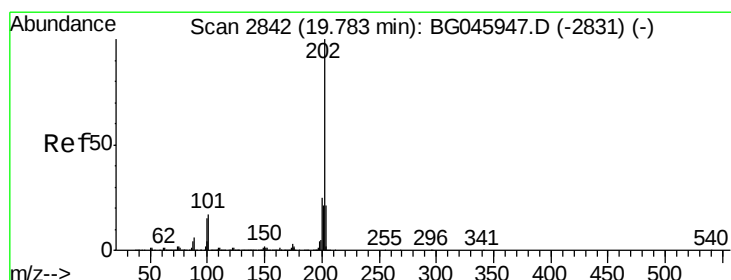
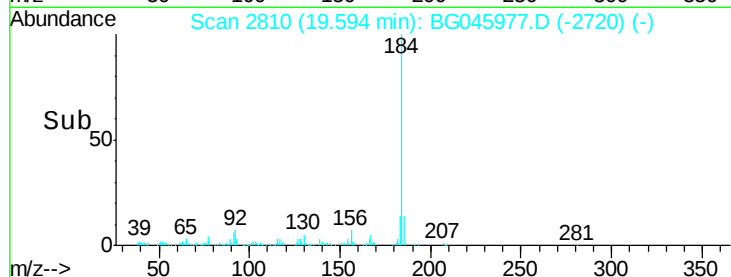
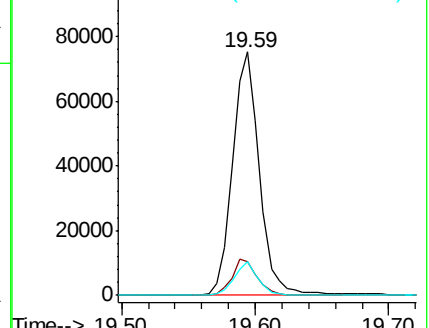
183 13.9 10.4 15.6



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: 4.670 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

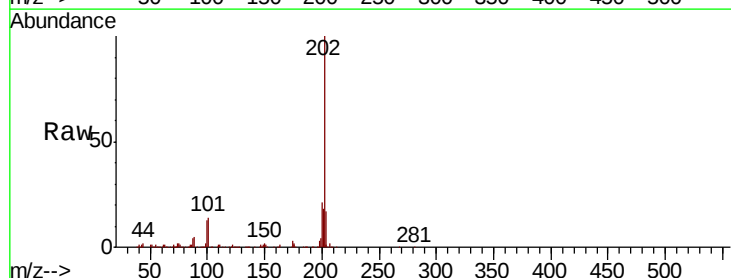
Tgt Ion:202 Resp: 213114

Ion Ratio Lower Upper

202 100

200 20.6 20.1 30.1

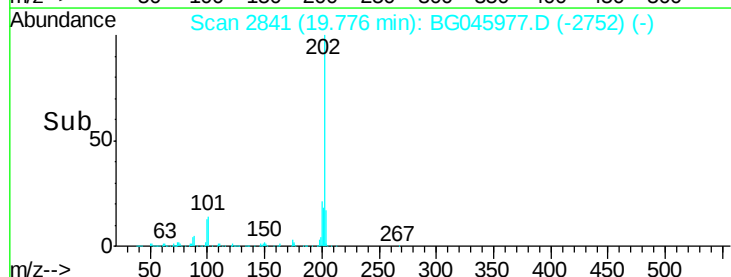
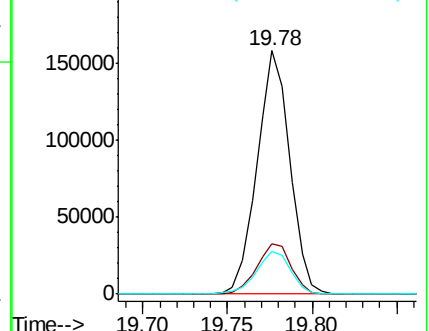
203 17.3 16.5 24.7

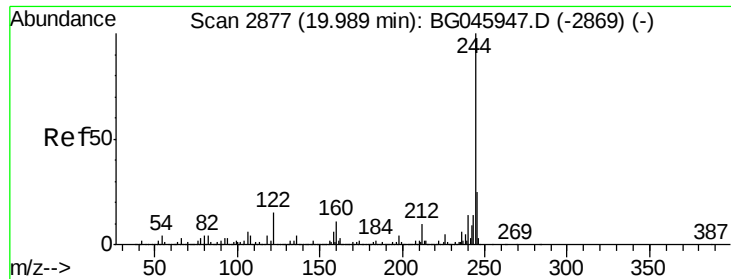


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.327 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

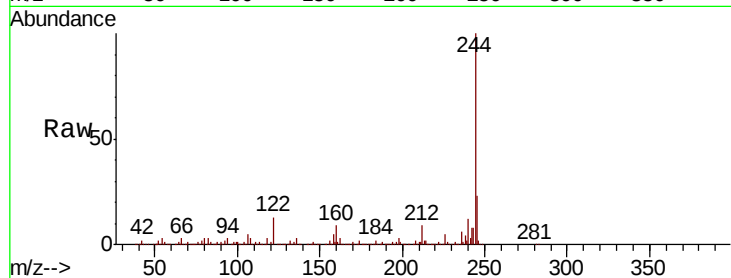
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:244 Resp: 1722148

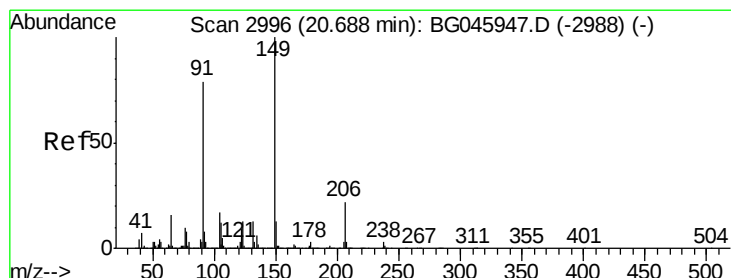
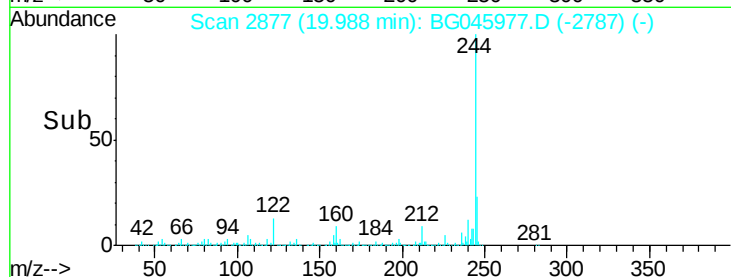
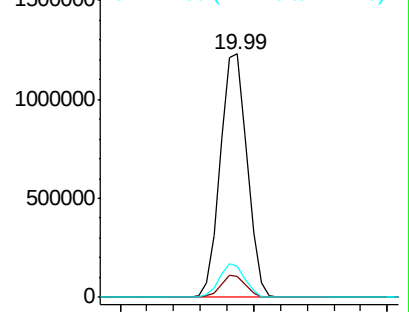
Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.3	12.5
122	12.9	12.1	18.1



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: 3.856 ng

RT: 20.68 min Scan# 2995

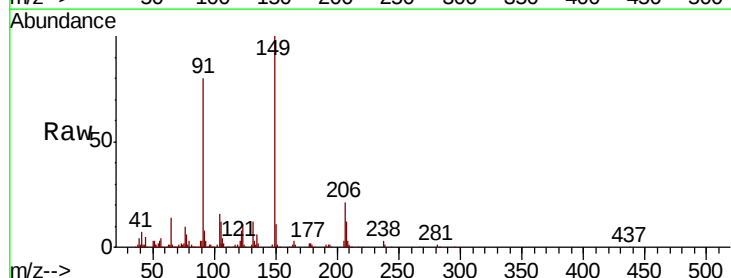
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:149 Resp: 83158

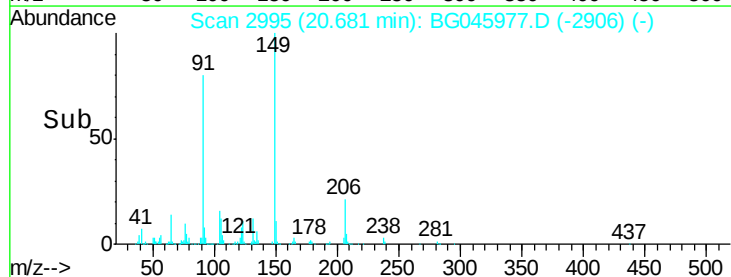
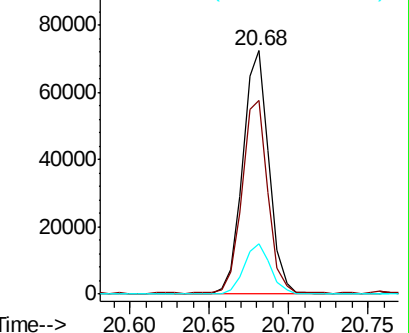
Ion	Ratio	Lower	Upper
149	100		
91	79.7	63.1	94.7
206	20.9	17.4	26.0

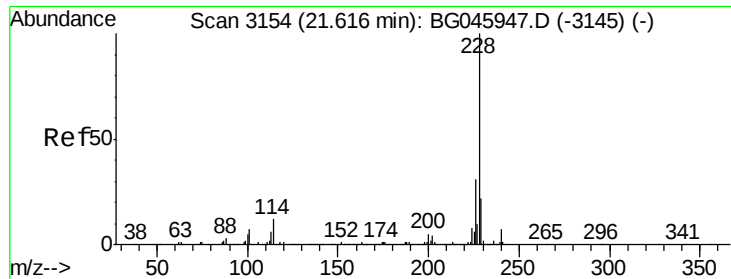


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

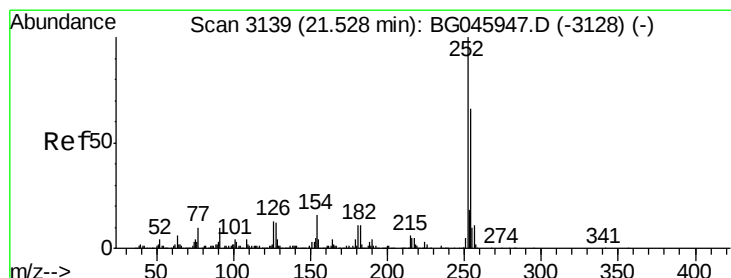
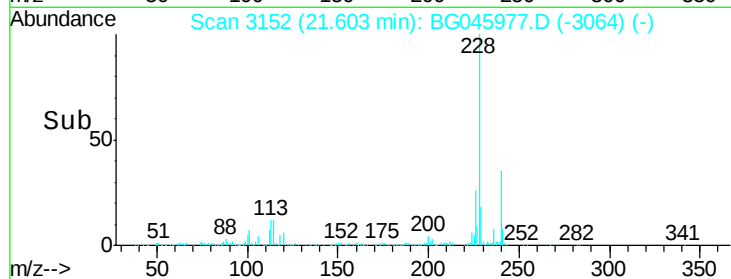
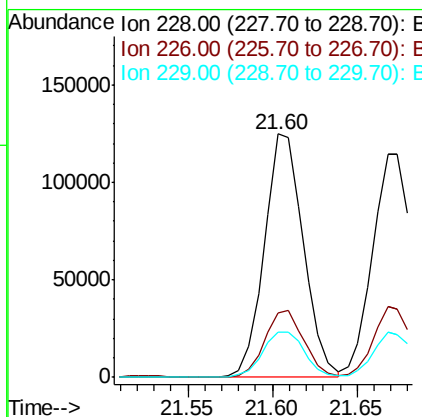
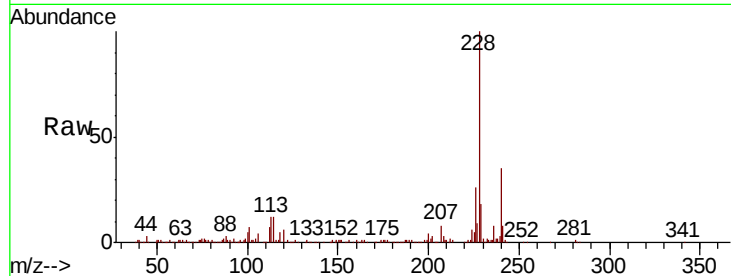




#81
Benzo(a)anthracene
Concen: 4.519 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

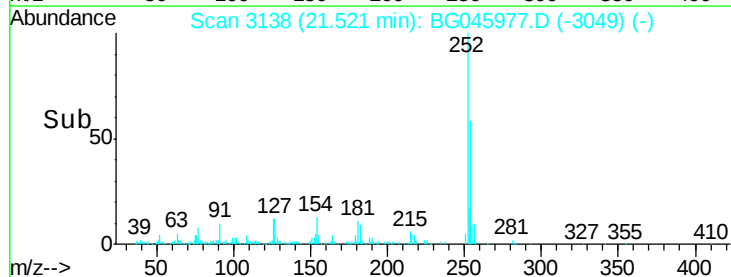
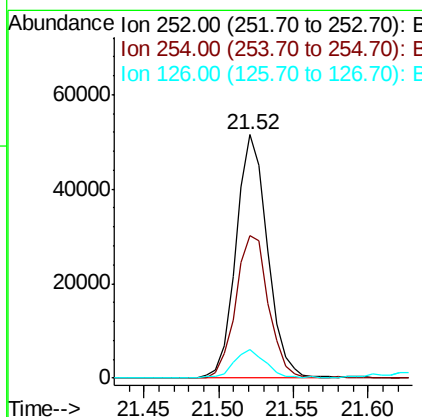
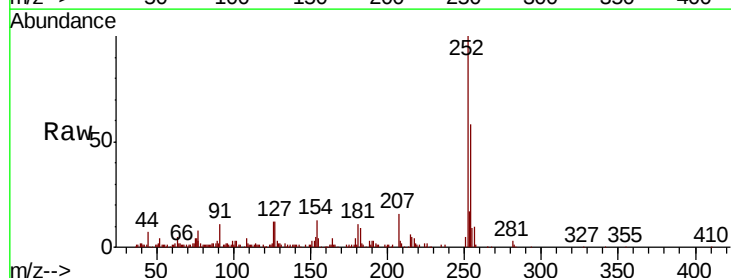
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:228 Resp: 198652
Ion Ratio Lower Upper
228 100
226 26.3 24.8 37.2
229 18.4 17.8 26.8



#82
3,3'-Dichlorobenzidine
Concen: 4.655 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:252 Resp: 75616
Ion Ratio Lower Upper
252 100
254 58.5 52.9 79.3
126 11.7 10.4 15.6





#83

Chrysene

Concen: 4.522 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

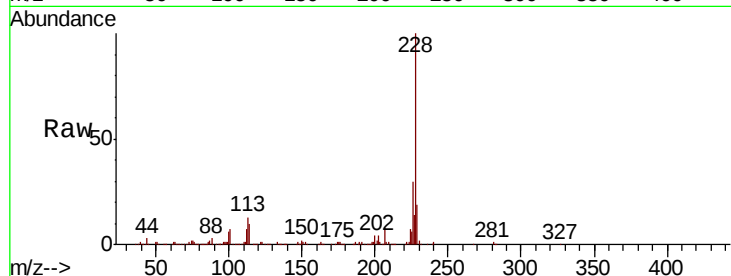
Tot Ion:228 Resp: 189378

Ion Ratio Lower Upper

228 100

226 30.4 26.7 40.1

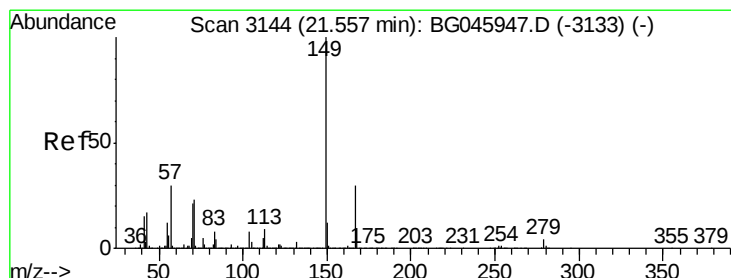
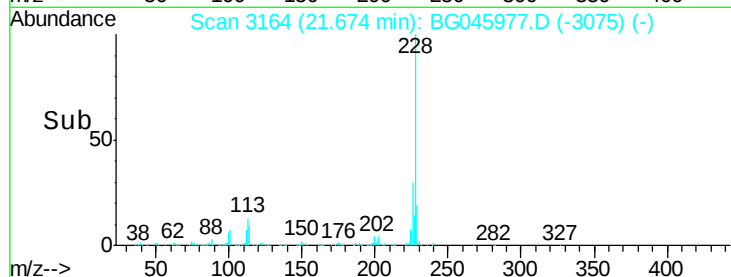
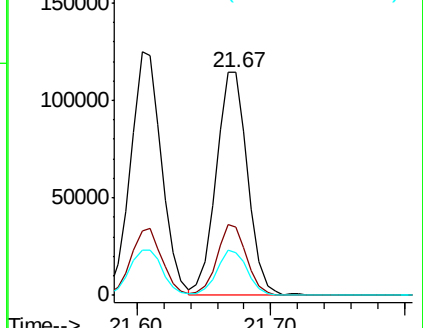
229 19.2 17.3 25.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.080 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

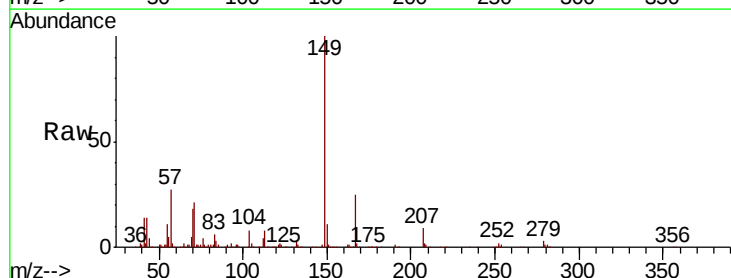
Tgt Ion:149 Resp: 127722

Ion Ratio Lower Upper

149 100

167 24.6 23.8 35.8

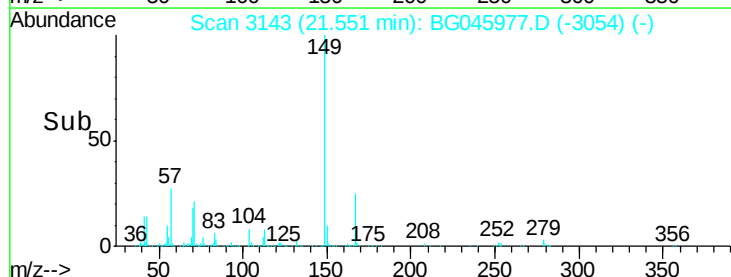
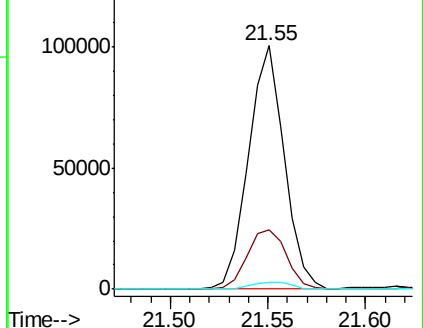
279 3.0 3.5 5.3#

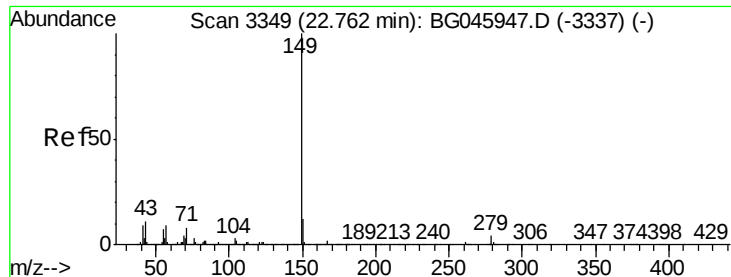


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

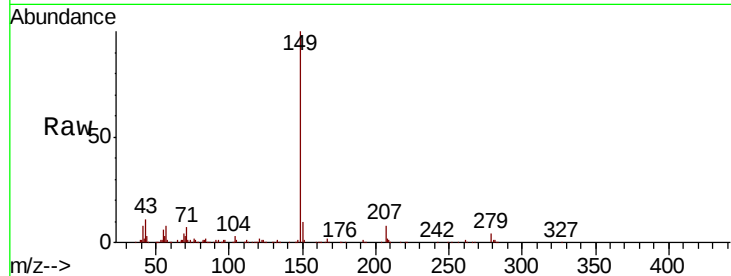




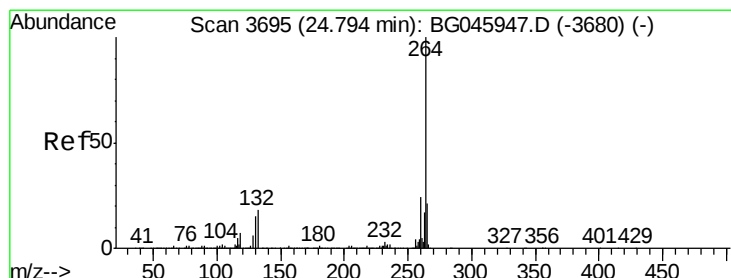
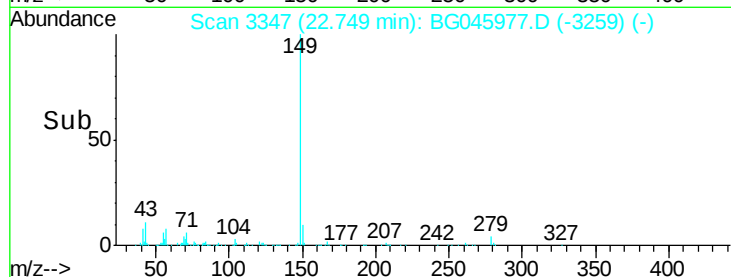
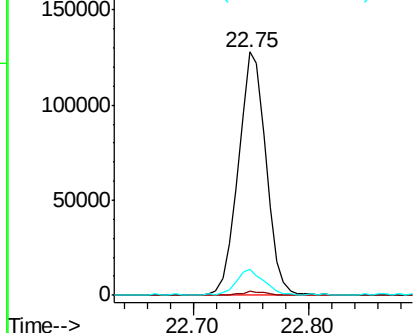
#85
Di-n-octyl phthalate
Concen: 3.913 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

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

Tot Ion:149 Resp: 212571
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 10.9 8.6 12.8

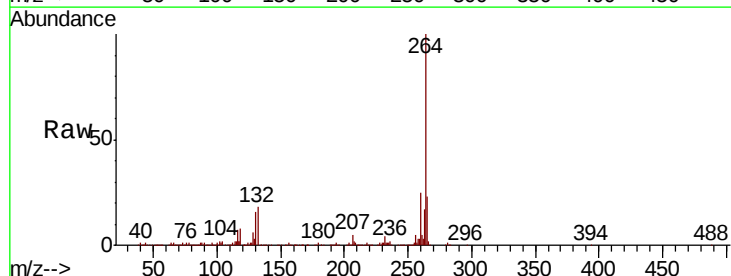


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

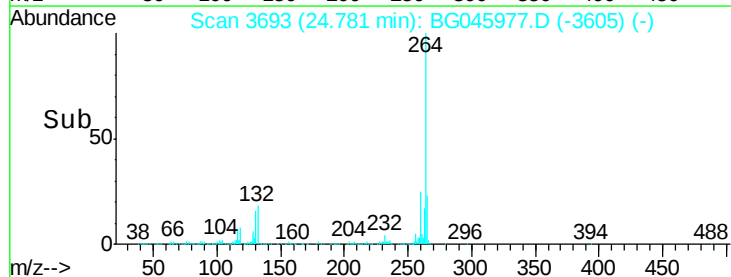
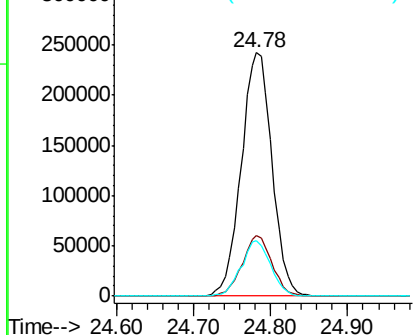


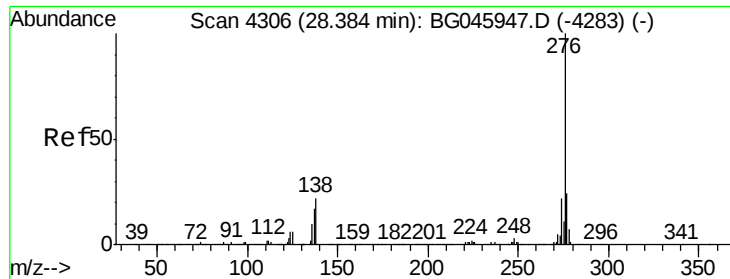
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:264 Resp: 675411
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 22.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

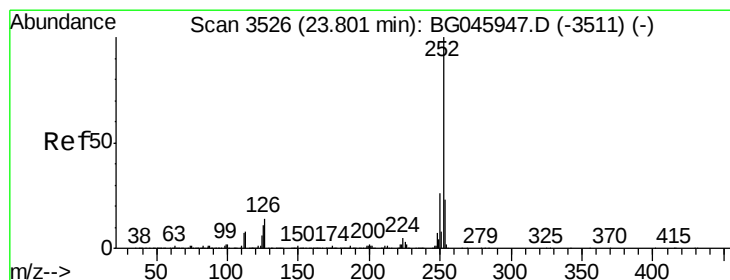
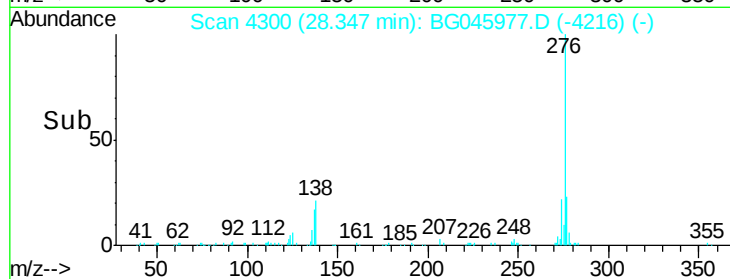
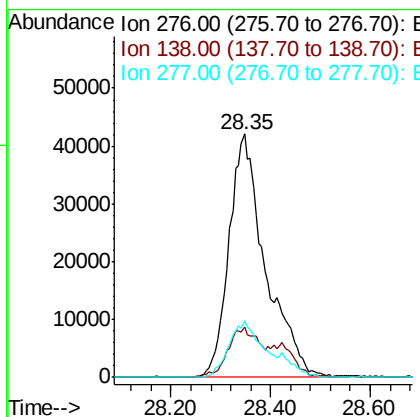
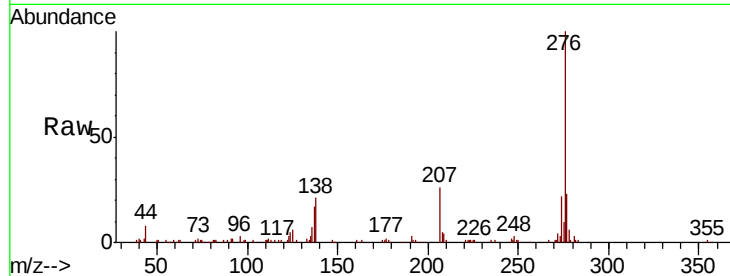




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.326 ng
 RT: 28.35 min Scan# 4306
 Delta R.T. -0.04 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

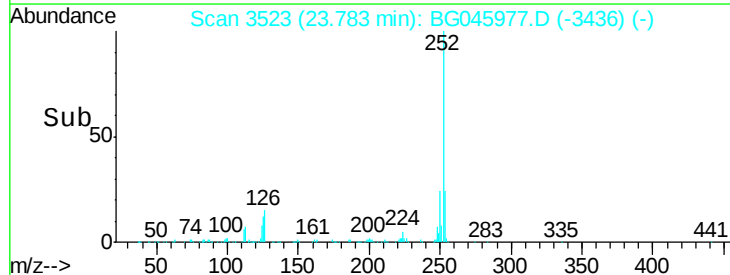
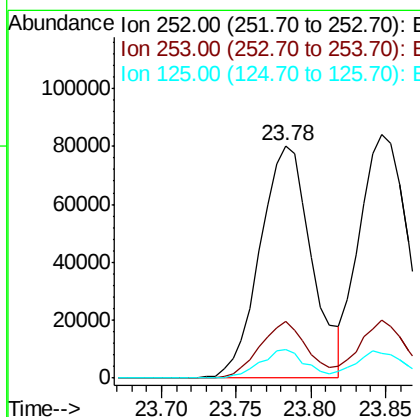
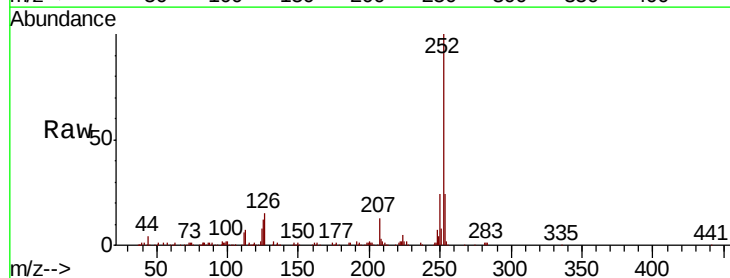
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

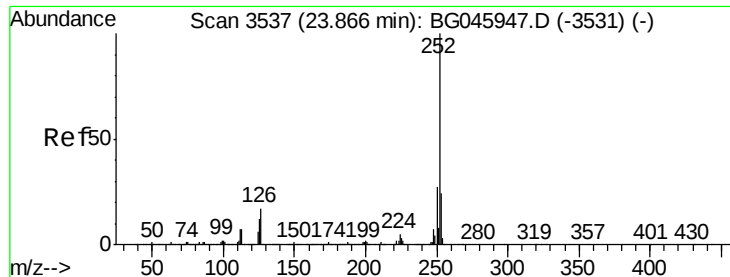
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.3	16.4	24.6
277	20.8	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 4.490 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.4	9.2	13.8

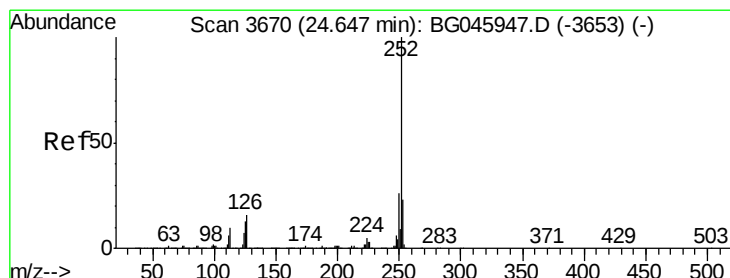
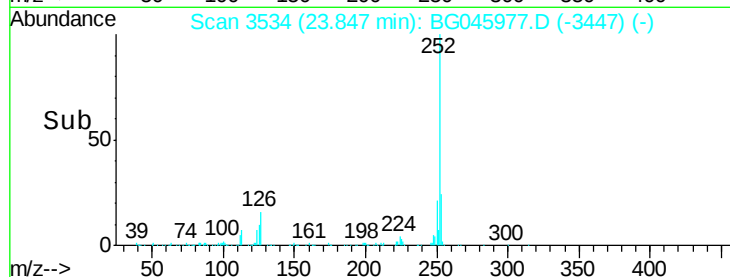
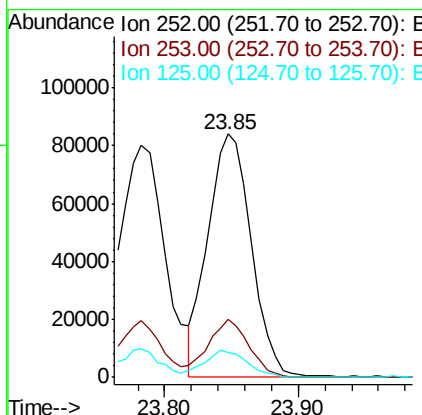
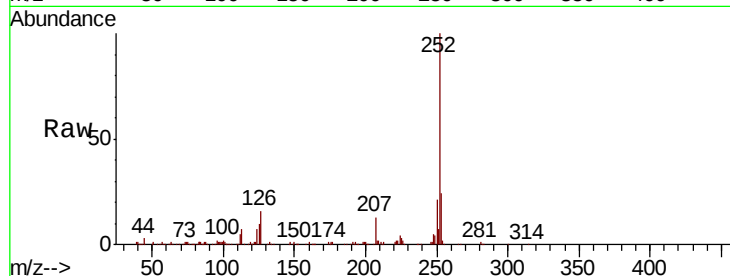




#89
Benzo(k)fluoranthene
Concen: 4.710 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

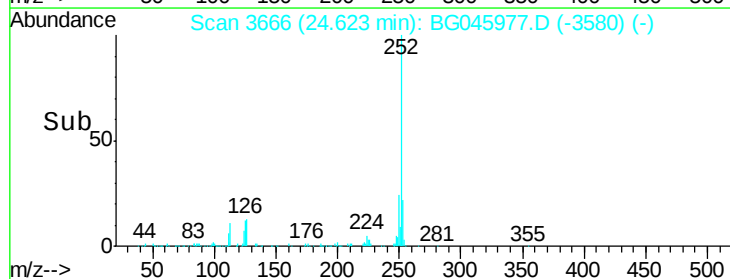
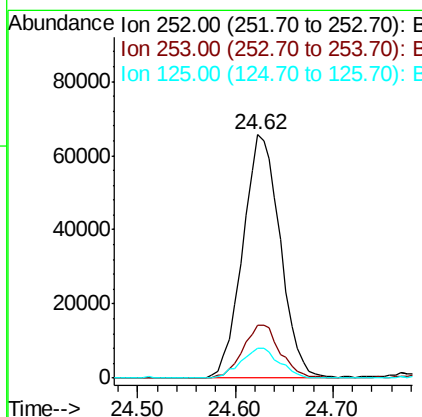
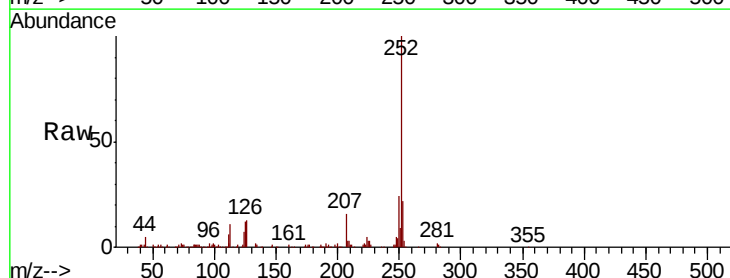
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

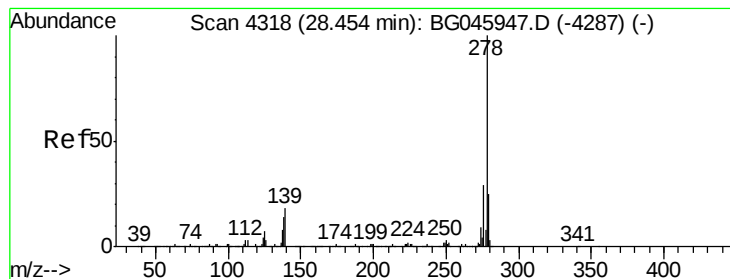
Tot Ion:252 Resp: 190960
Ion Ratio Lower Upper
252 100
253 23.8 18.9 28.3
125 10.1 9.6 14.4



#90
Benzo(a)pyrene
Concen: 4.373 ng
RT: 24.62 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion:252 Resp: 176307
Ion Ratio Lower Upper
252 100
253 21.8 18.6 28.0
125 12.1 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 4.450 ng

RT: 28.42 min Scan# 4313

Delta R.T. -0.03 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

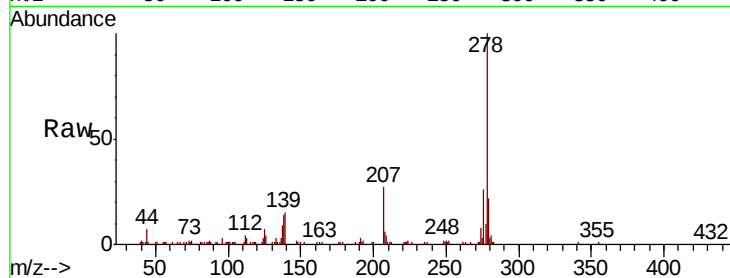
Tot Ion:278 Resp: 177358

Ion Ratio Lower Upper

278 100

139 15.1 14.3 21.5

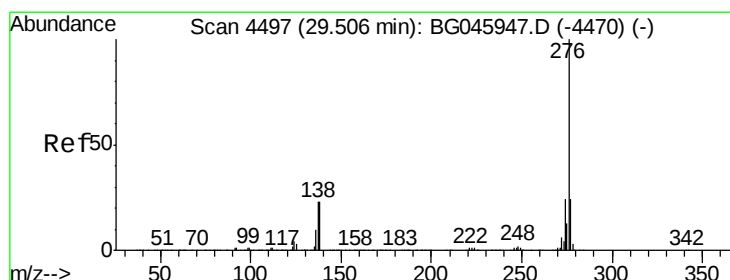
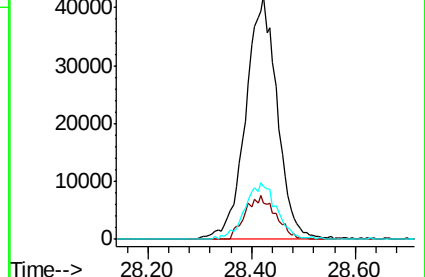
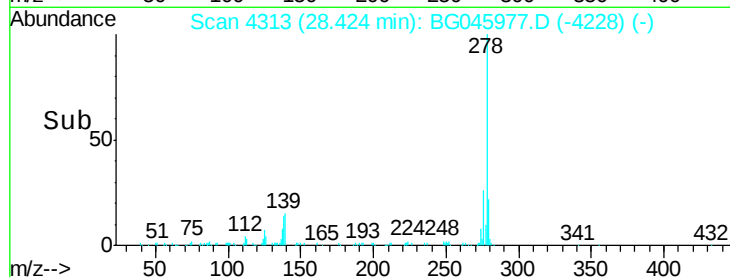
279 21.9 19.8 29.6



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: 4.425 ng

RT: 29.45 min Scan# 4487

Delta R.T. -0.06 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

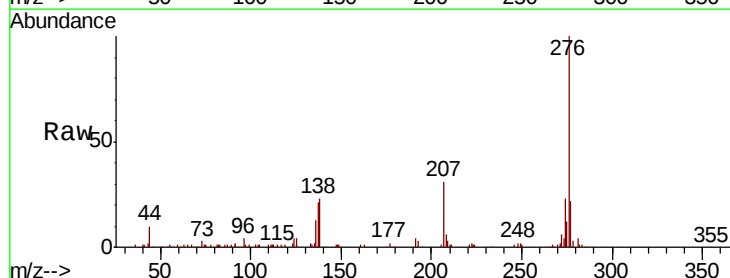
Tgt Ion:276 Resp: 177475

Ion Ratio Lower Upper

276 100

277 22.4 19.4 29.0

138 22.5 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

