

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045426.D
 Acq On : 19 May 2020 16:06
 Operator : CG/JU
 Sample : L2182-02
 Misc : SOIL - L00 - 10PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: May 20 00:54:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 00:13:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	84042	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	350414	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	251744	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	606877	20.00	ng	0.00
76) Chrysene-d12	21.61	240	602804	20.00	ng	0.00
87) Perylene-d12	24.77	264	645512	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	595651	138.51	ng	0.00
7) Phenol-d6	7.19	99	870596	142.24	ng	0.00
23) Nitrobenzene-d5	9.13	82	602807	93.81	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	480259	149.17	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1402267	94.48	ng	0.00
79) Terphenyl-d14	19.97	244	2467402	95.47	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.42	88	19250	9.027 ng	97
3) Pyridine	3.82	79	42916	7.226 ng	94
4) n-Nitrosodimethylamine	3.74	42	16456	8.467 ng	80
6) Aniline	7.29	93	77044	9.642 ng	93
8) 2-Chlorophenol	7.55	128	47326	10.035 ng	94
9) Benzaldehyde	7.10	77	43662	10.949 ng	93
10) Phenol	7.22	94	61788	9.795 ng	93
11) bis(2-Chloroethyl)ether	7.38	93	48535	9.864 ng	95
12) 1,3-Dichlorobenzene	7.86	146	53233	9.393 ng	94
13) 1,4-Dichlorobenzene	8.00	146	54193	9.690 ng	95
14) 1,2-Dichlorobenzene	8.32	146	51933	9.655 ng	92
15) Benzyl Alcohol	8.22	79	44808	8.862 ng	97
16) 2,2'-oxybis(1-Chloropropan	8.50	45	45777	9.801 ng	96
17) 2-Methylphenol	8.46	107	41301	8.747 ng	90
18) Hexachloroethane	9.05	117	20141	9.403 ng	89
19) n-Nitroso-di-n-propylamine	8.77	70	43463	10.269 ng	98
20) 3+4-Methylphenols	8.79	107	56840	8.840 ng	# 54
22) Acetophenone	8.79	105	79299	9.548 ng	# 92
24) Nitrobenzene	9.17	77	62622	9.096 ng	96
25) Isophorone	9.69	82	122883	9.710 ng	98
26) 2-Nitrophenol	9.88	139	25182	8.550 ng	# 86
27) 2,4-Dimethylphenol	9.98	122	43891	10.048 ng	93
28) bis(2-Chloroethoxy)methane	10.18	93	66939	10.086 ng	99
29) 2,4-Dichlorophenol	10.45	162	48249	9.354 ng	96
30) 1,2,4-Trichlorobenzene	10.64	180	56113	9.206 ng	96
31) Naphthalene	10.82	128	159310	9.756 ng	97
32) Benzoic acid	10.11	122	19284	7.351 ng	94
33) 4-Chloroaniline	10.94	127	63399	9.288 ng	95
34) Hexachlorobutadiene	11.11	225	38004	8.821 ng	97
35) Caprolactam	11.69	113	19925	10.524 ng	90
36) 4-Chloro-3-methylphenol	12.11	107	58172	10.008 ng	97
37) 2-Methylnaphthalene	12.43	142	122613	10.074 ng	92
38) 1-Methylnaphthalene	12.65	142	119969	10.435 ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	67784	9.640 ng	99

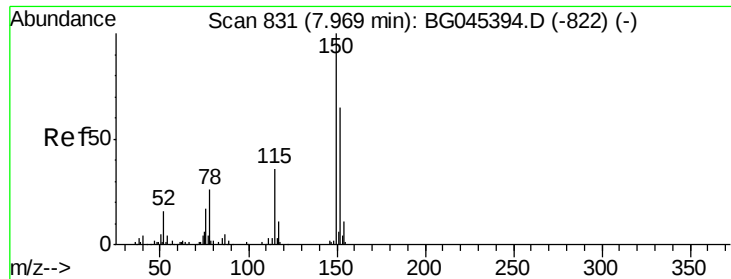
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045426.D
 Acq On : 19 May 2020 16:06
 Operator : CG/JU
 Sample : L2182-02
 Misc : SOIL - L00 - 10PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: May 20 00:54:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 00:13:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	32250	7.946	ng	99
43) 2,4,6-Trichlorophenol	13.06	196	44487	9.108	ng	98
44) 2,4,5-Trichlorophenol	13.15	196	50660	9.076	ng	92
46) 1,1'-Biphenyl	13.44	154	161943	10.469	ng	97
47) 2-Chloronaphthalene	13.48	162	119752	9.534	ng	99
48) 2-Nitroaniline	13.70	65	36534	8.842	ng	# 91
49) Acenaphthylene	14.32	152	210174	10.417	ng	99
50) Dimethylphthalate	14.06	163	176948	10.246	ng	# 95
51) 2,6-Dinitrotoluene	14.18	165	39369	10.103	ng	94
52) Acenaphthene	14.67	154	119252	8.830	ng	96
53) 3-Nitroaniline	14.52	138	37475	9.460	ng	92
54) 2,4-Dinitrophenol	14.73	184	6853	3.028	ng	# 77
55) Dibenzofuran	15.01	168	207690	10.356	ng	95
56) 4-Nitrophenol	14.91	139	25997	8.668	ng	89
57) 2,4-Dinitrotoluene	14.97	165	56556	10.021	ng	88
58) Fluorene	15.66	166	170440	10.344	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	45142	9.192	ng	98
60) Diethylphthalate	15.42	149	185797	10.337	ng	99
61) 4-Chlorophenyl-phenylether	15.65	204	93982	9.968	ng	98
62) 4-Nitroaniline	15.69	138	42471	10.270	ng	86
63) Azobenzene	15.94	77	172705	10.304	ng	98
65) 4,6-Dinitro-2-methylphenol	15.73	198	27617	7.814	ng	97
66) n-Nitrosodiphenylamine	15.86	169	153367	10.525	ng	99
67) 4-Bromophenyl-phenylether	16.55	248	62350	9.488	ng	99
68) Hexachlorobenzene	16.66	284	70791	10.300	ng	94
69) Atrazine	16.82	200	62085	10.345	ng	97
70) Pentachlorophenol	17.03	266	13649	3.824	ng	96
71) Phenanthrene	17.40	178	287982	10.870	ng	98
72) Anthracene	17.49	178	303294	11.400	ng	97
73) Carbazole	17.77	167	278853	10.752	ng	99
74) Di-n-butylphthalate	18.32	149	333575	10.716	ng	98
75) Fluoranthene	19.41	202	386158	11.459	ng	97
77) Benzidine	19.59	184	161002	9.510	ng	98
78) Pyrene	19.76	202	388426	11.304	ng	98
80) Butylbenzylphthalate	20.66	149	149184	10.058	ng	97
81) Benzo(a)anthracene	21.60	228	362742	10.802	ng	99
82) 3,3'-Dichlorobenzidine	21.52	252	145700	11.061	ng	96
83) Chrysene	21.66	228	349316	10.819	ng	97
84) Bis(2-ethylhexyl)phthalate	21.51	149	211253	10.361	ng	99
85) Di-n-octyl phthalate	22.70	149	361614	10.327	ng	100
86) Indeno(1,2,3-cd)pyrene	28.34	276	418902	9.921	ng	98
88) Benzo(b)fluoranthene	23.77	252	359374	10.381	ng	99
89) Benzo(k)fluoranthene	23.84	252	357770	11.000	ng	99
90) Benzo(a)pyrene	24.62	252	336237	10.428	ng	# 97
91) Dibenzo(a,h)anthracene	28.41	278	344754	10.640	ng	97
92) Benzo(g,h,i)perylene	29.46	276	349184	10.776	ng	99

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

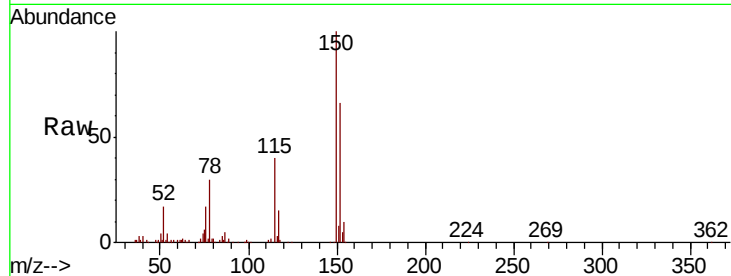


#1

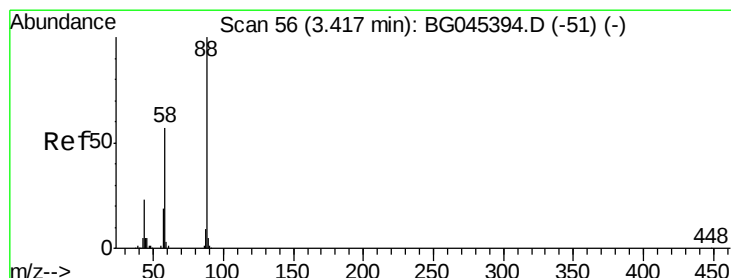
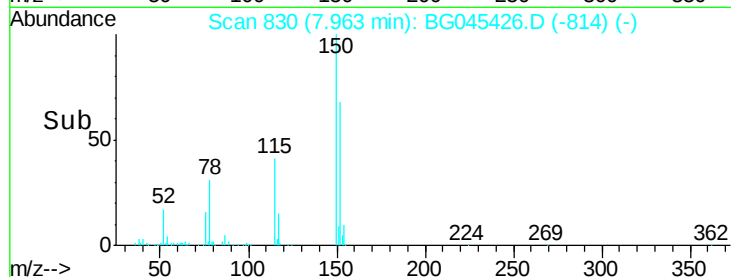
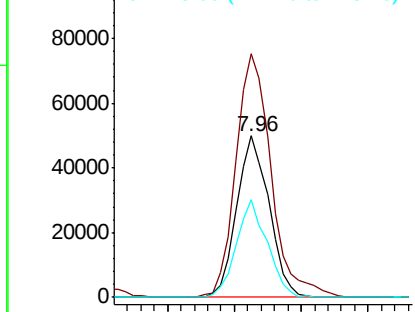
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:152 Resp: 84042
Ion Ratio Lower Upper
152 100
150 150.9 122.4 183.6
115 60.9 44.2 66.4



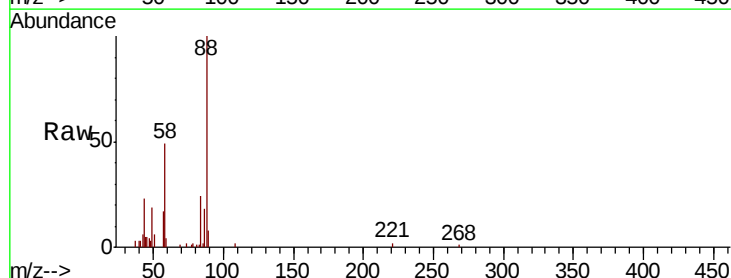
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



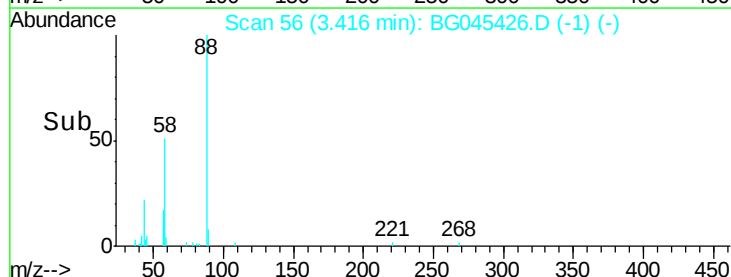
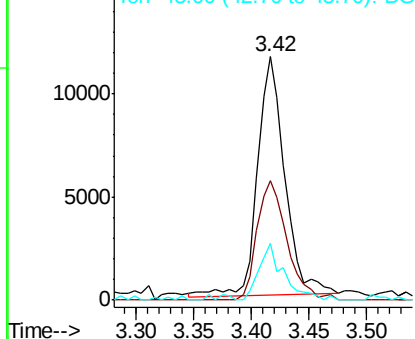
#2

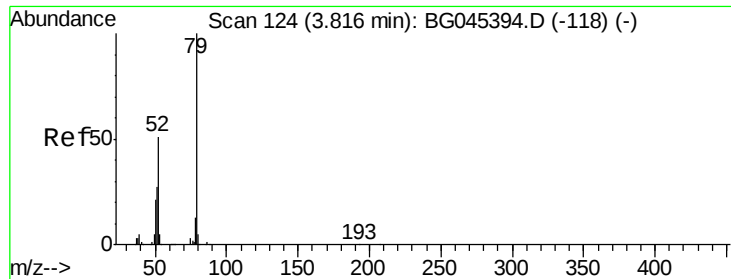
1,4-Dioxane
Concen: 9.027 ng
RT: 3.42 min Scan# 56
Delta R.T. 0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion: 88 Resp: 19250
Ion Ratio Lower Upper
88 100
58 54.2 45.7 68.5
43 21.4 16.8 25.2



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 7.226 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

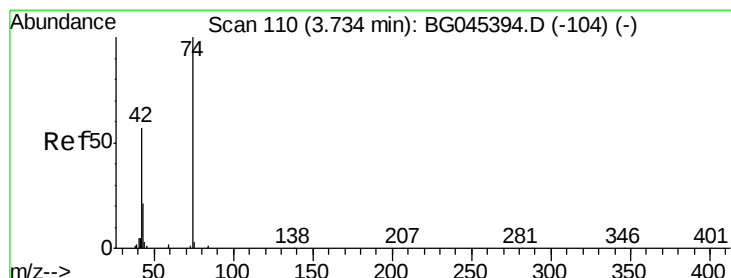
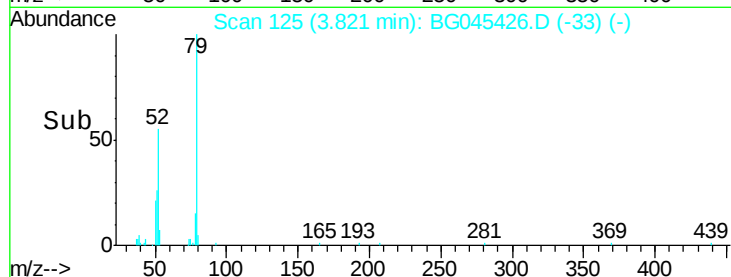
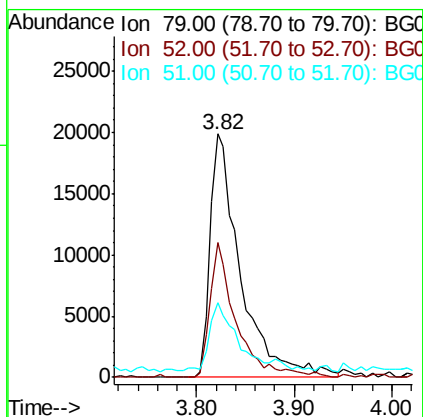
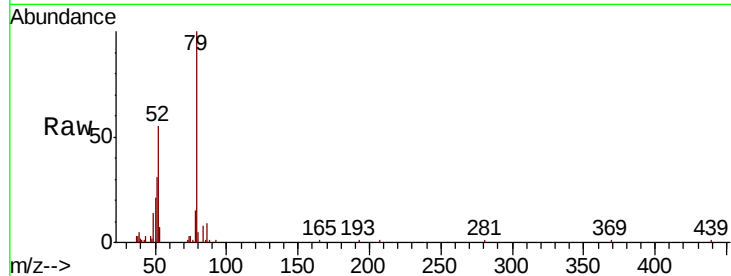
Tot Ion: 79 Resp: 42916

Ion Ratio Lower Upper

79 100

52 55.5 40.8 61.2

51 30.5 21.9 32.9



#4

n-Nitrosodimethylamine

Concen: 8.467 ng

RT: 3.74 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

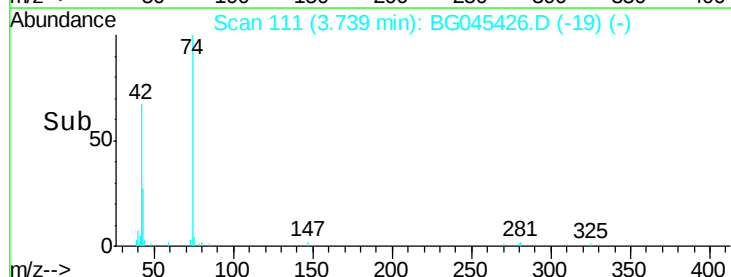
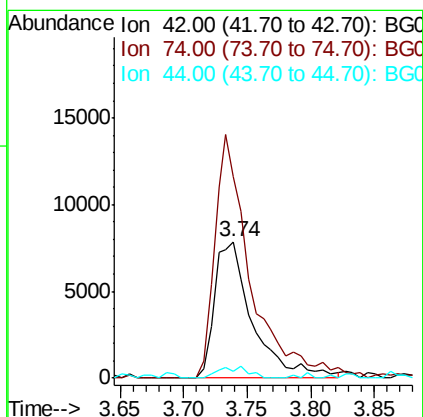
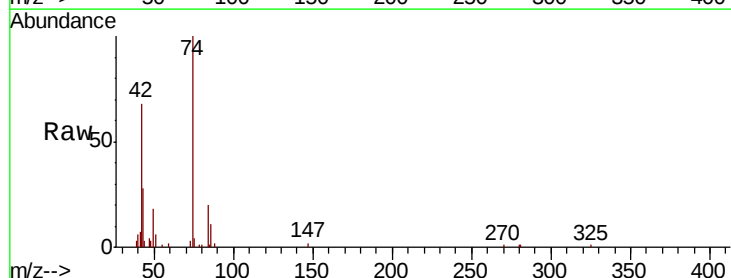
Tgt Ion: 42 Resp: 16456

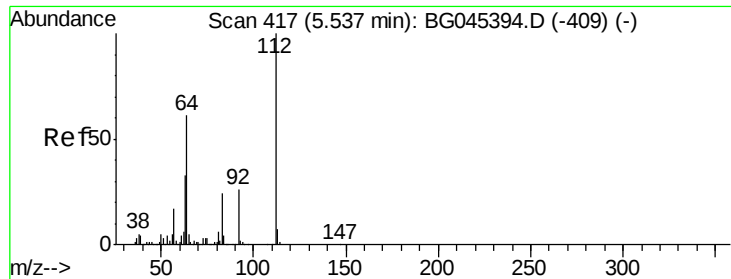
Ion Ratio Lower Upper

42 100

74 147.5 141.3 211.9

44 4.6 4.2 6.4





#5

2-Fluorophenol

Concen: 138.512 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

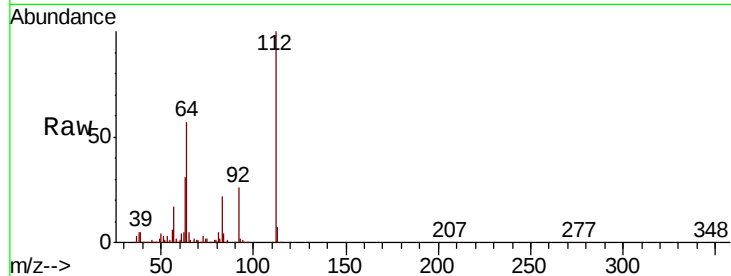
Tot Ion:112 Resp: 595651

Ion Ratio Lower Upper

112 100

64 57.3 48.6 72.8

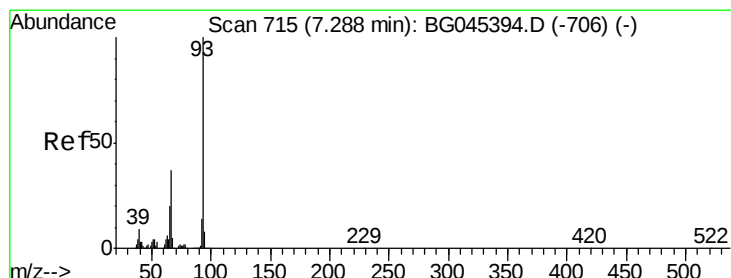
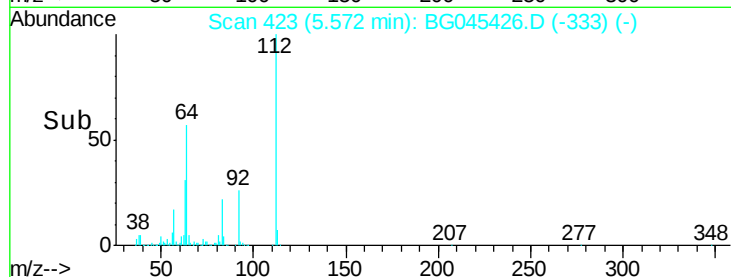
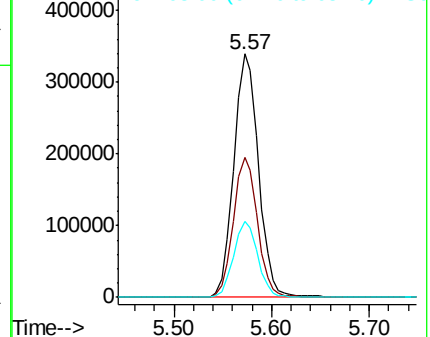
63 31.2 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.642 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

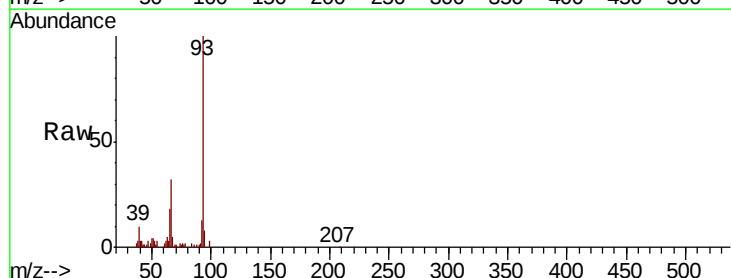
Tgt Ion: 93 Resp: 77044

Ion Ratio Lower Upper

93 100

66 31.7 29.6 44.4

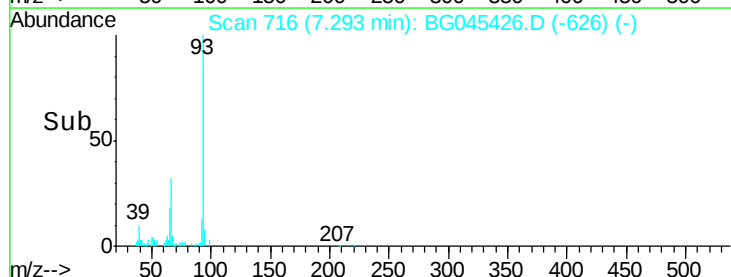
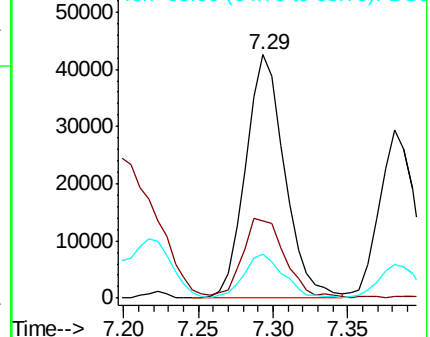
65 17.9 15.9 23.9

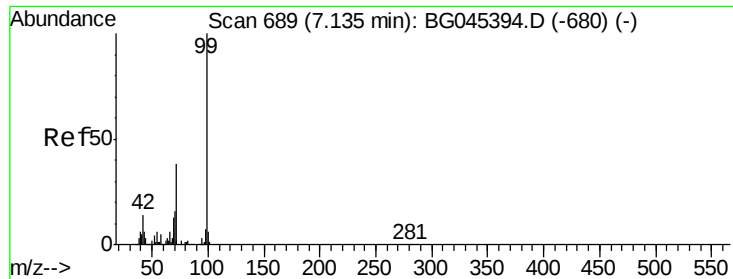


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 142.238 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

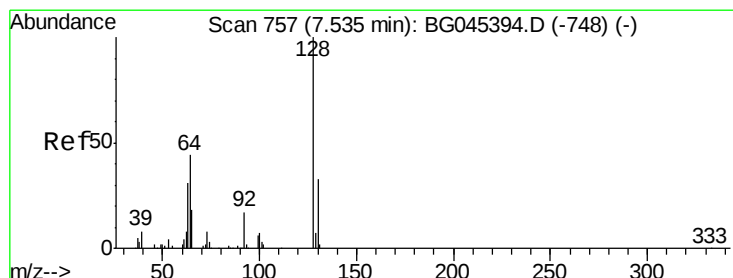
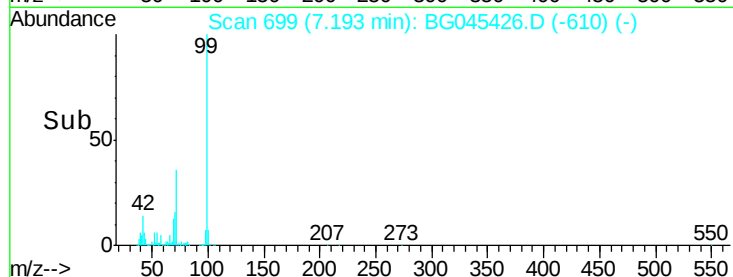
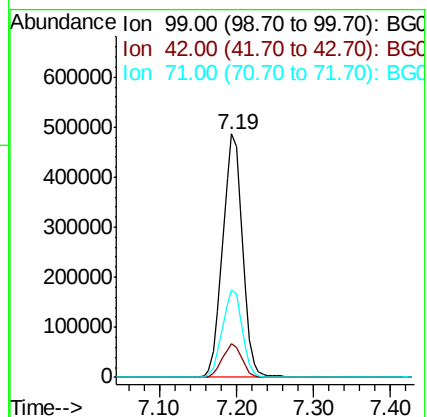
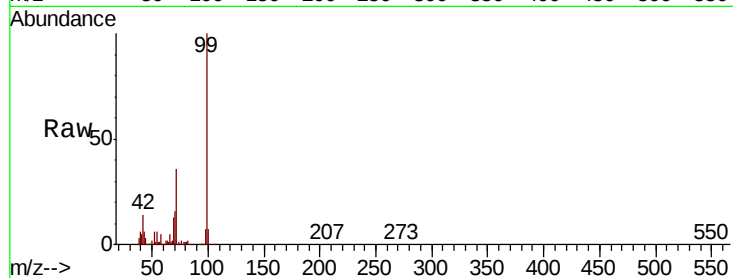
Tot Ion: 99 Resp: 870596

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

71 35.9 30.8 46.2



#8

2-Chlorophenol

Concen: 10.035 ng

RT: 7.55 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

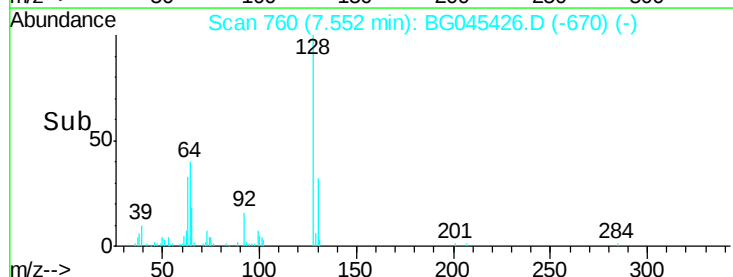
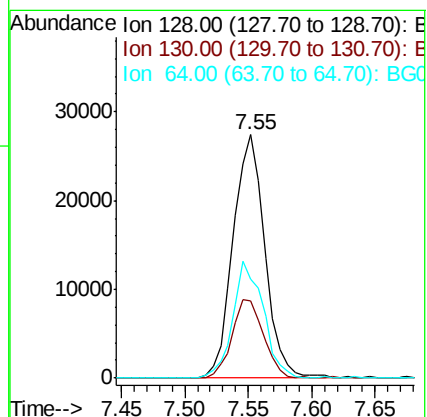
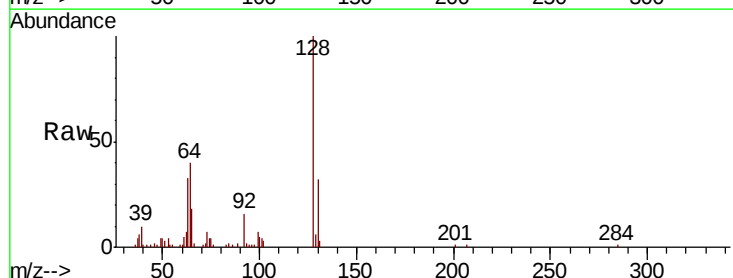
Tgt Ion: 128 Resp: 47326

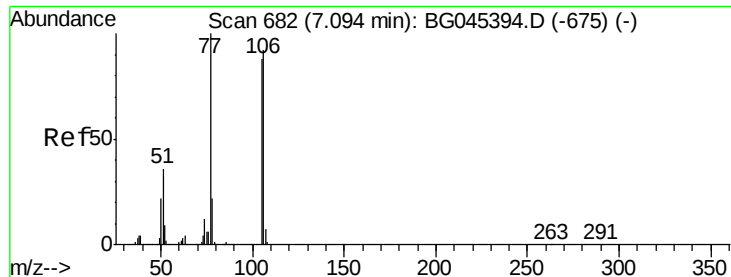
Ion Ratio Lower Upper

128 100

130 31.8 12.6 52.6

64 40.4 27.0 67.0





#9

Benzaldehyde

Concen: 10.949 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

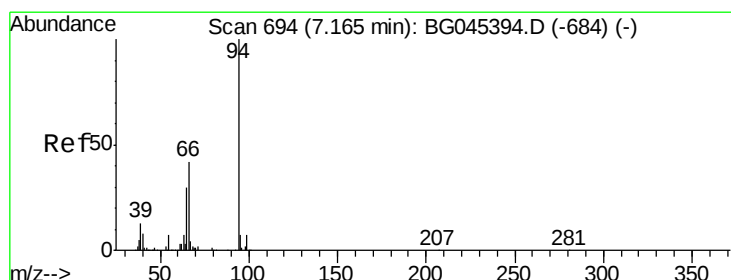
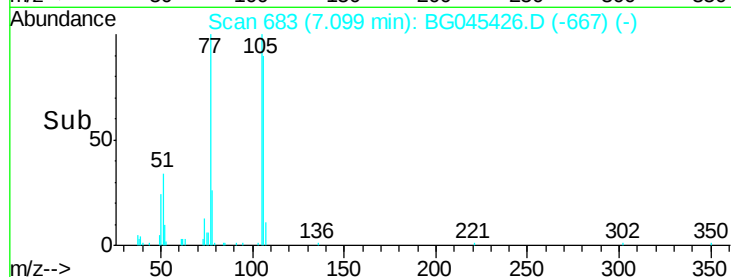
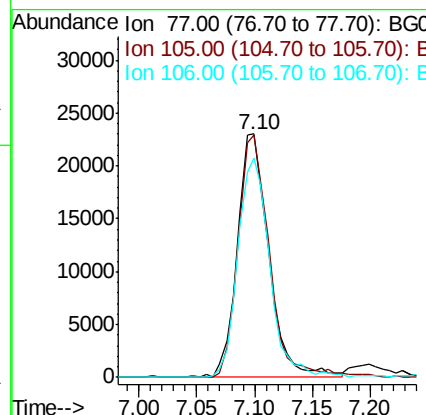
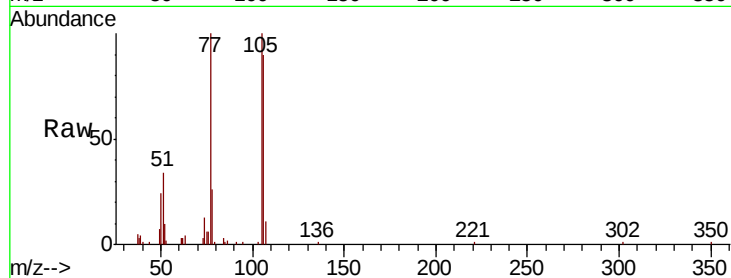
Tot Ion: 77 Resp: 43662

Ion Ratio Lower Upper

77 100

105 99.8 68.5 108.5

106 90.1 71.6 111.6



#10

Phenol

Concen: 9.795 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

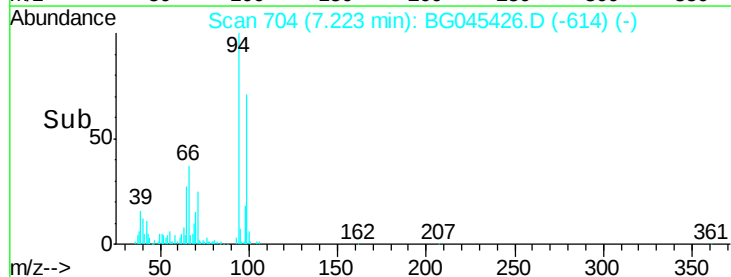
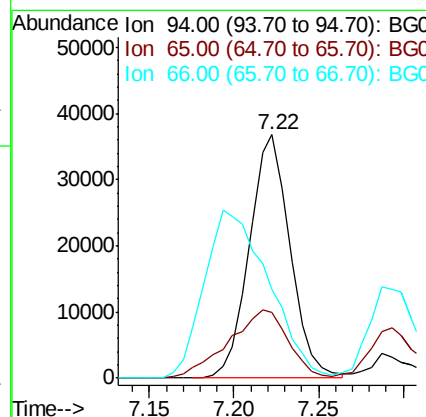
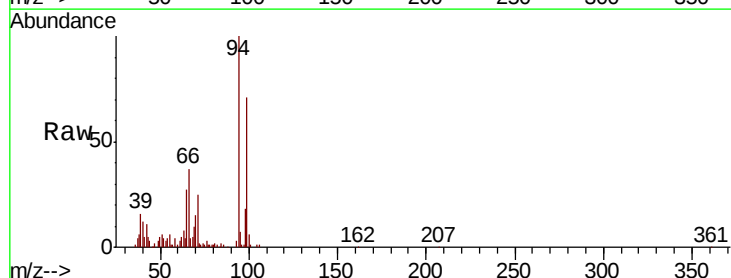
Tgt Ion: 94 Resp: 61788

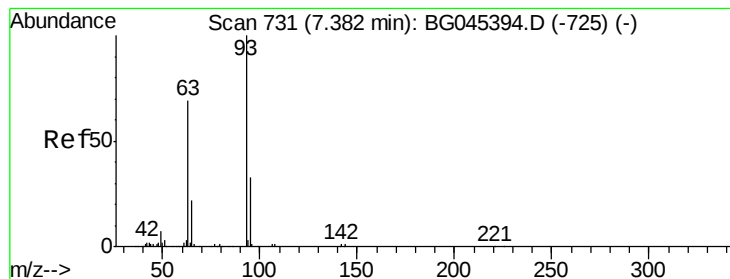
Ion Ratio Lower Upper

94 100

65 27.0 9.8 49.8

66 36.7 22.0 62.0





#11

bis(2-Chloroethyl)ether

Concen: 9.864 ng

RT: 7.38 min Scan# 731

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

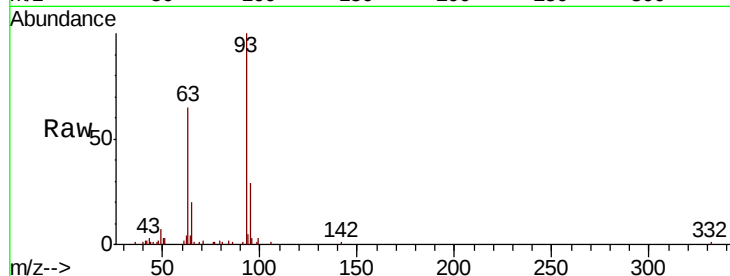
Tot Ion: 93 Resp: 48535

Ion Ratio Lower Upper

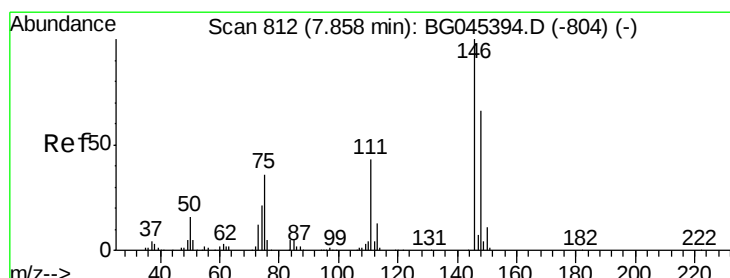
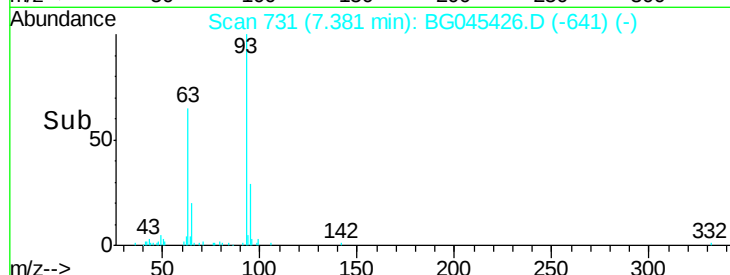
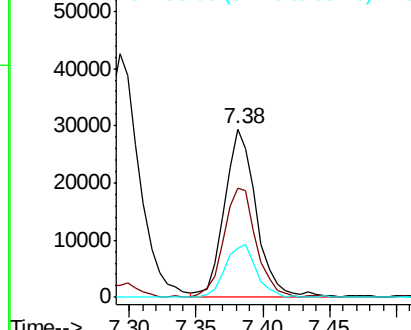
93 100

63 64.9 48.4 88.4

95 29.1 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 9.393 ng

RT: 7.86 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

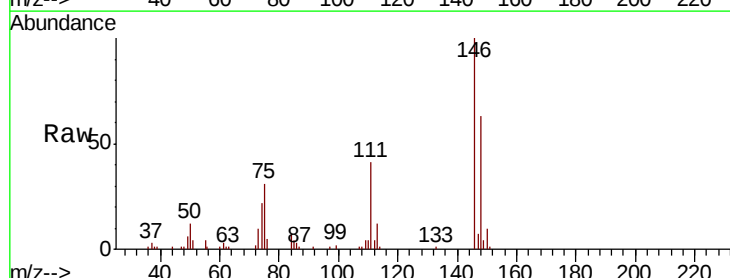
Tgt Ion: 146 Resp: 53233

Ion Ratio Lower Upper

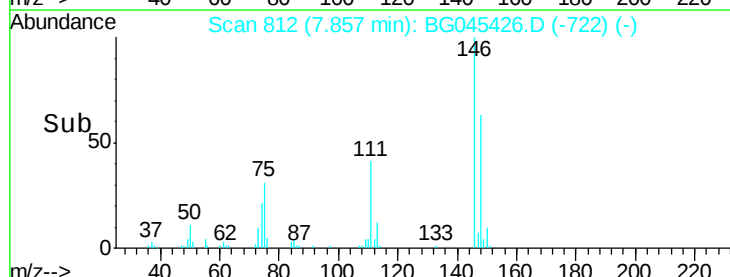
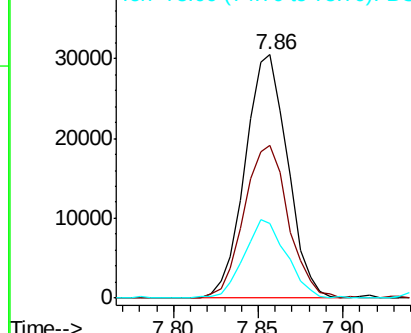
146 100

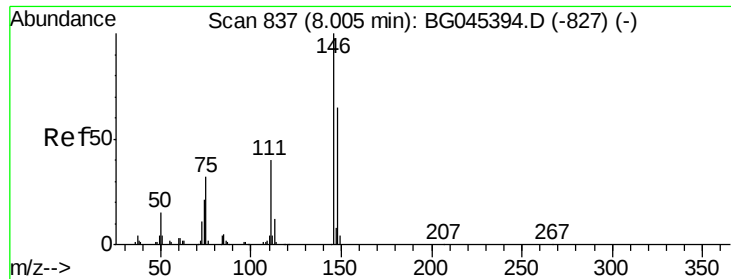
148 62.7 53.2 79.8

75 30.8 28.6 43.0



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

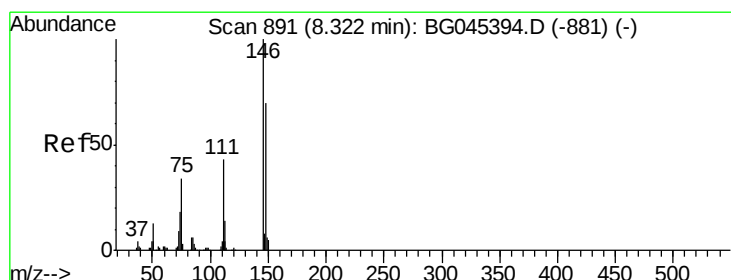
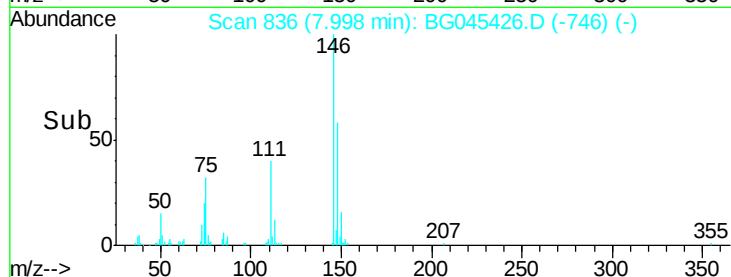
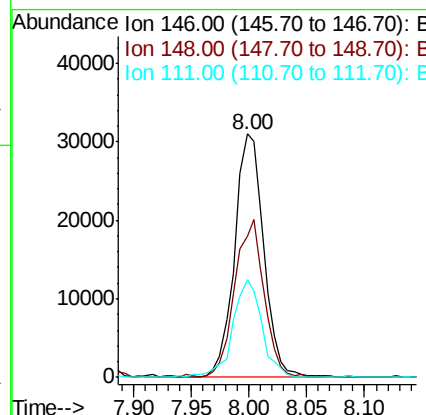
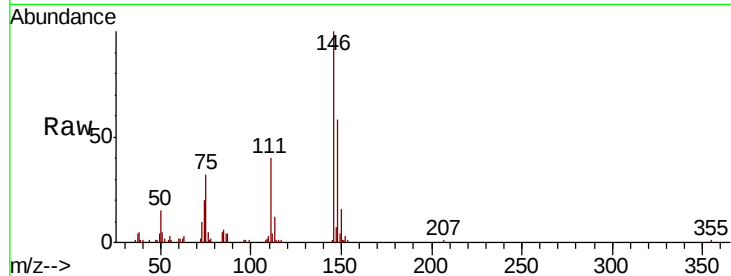




#13
 1,4-Dichlorobenzene
 Concen: 9.690 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

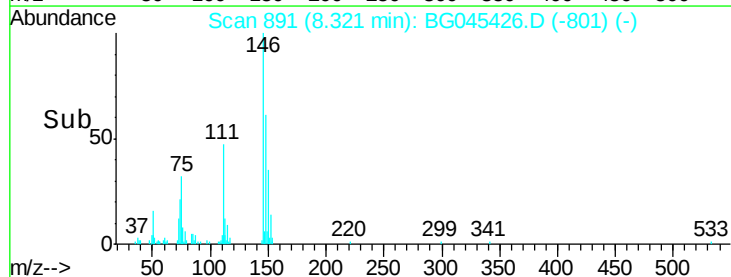
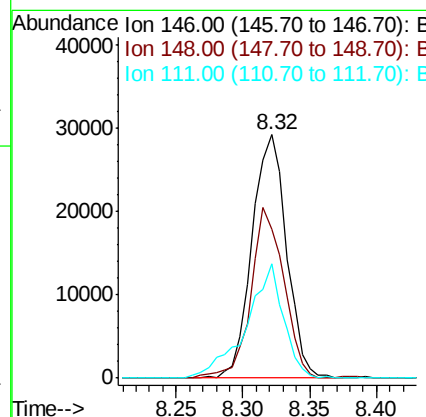
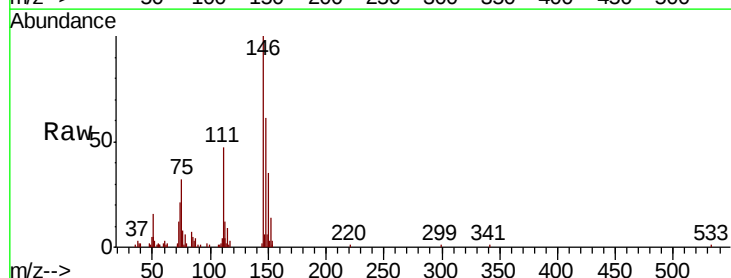
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

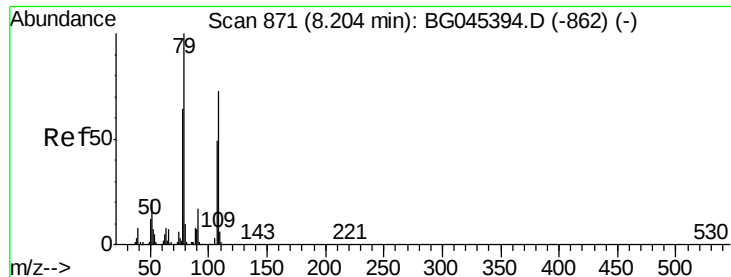
Tot Ion	Ratio	Lower	Upper
146	100		
148	58.2	51.8	77.8
111	39.9	32.1	48.1



#14
 1,2-Dichlorobenzene
 Concen: 9.655 ng
 RT: 8.32 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.2	55.9	83.9
111	46.9	35.0	52.4





#15

Benzyl Alcohol

Concen: 8.862 ng

RT: 8.22 min Scan# 874

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

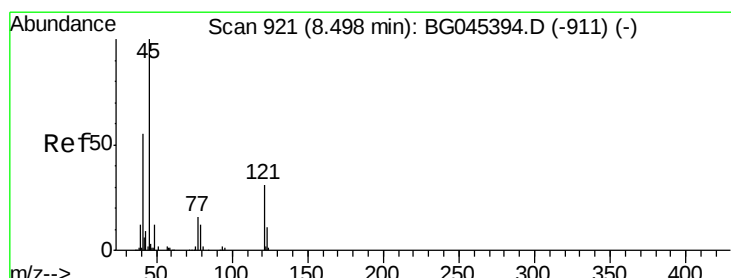
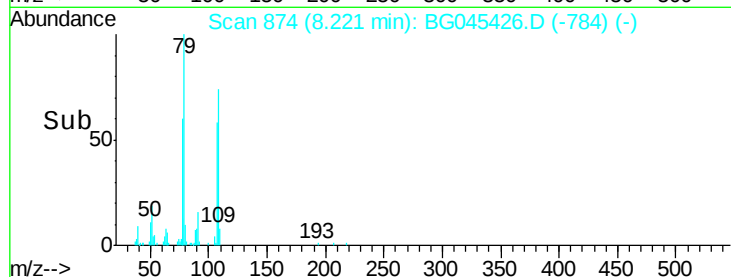
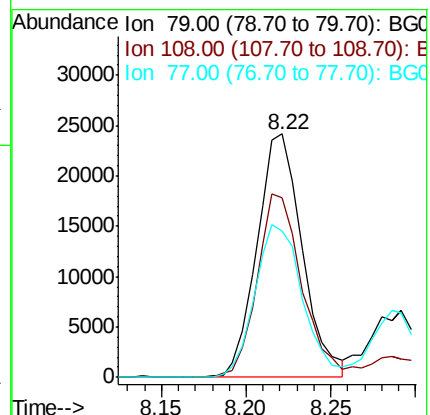
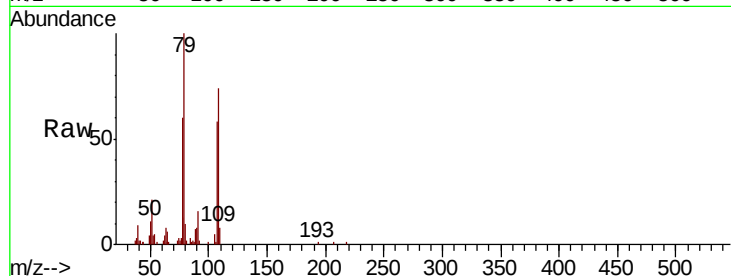
Tot Ion: 79 Resp: 44808

Ion Ratio Lower Upper

79 100

108 73.5 58.2 87.4

77 60.2 51.0 76.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.801 ng

RT: 8.50 min Scan# 921

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

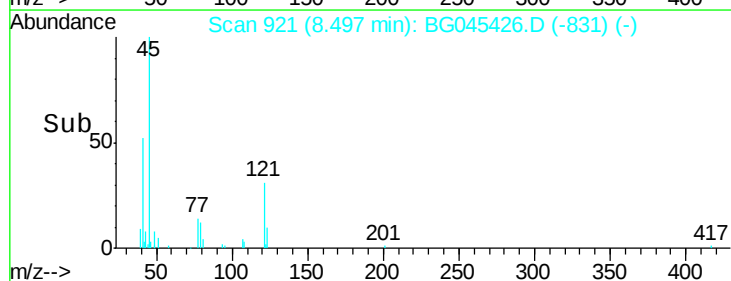
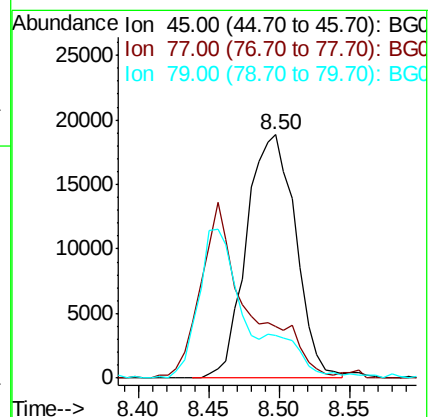
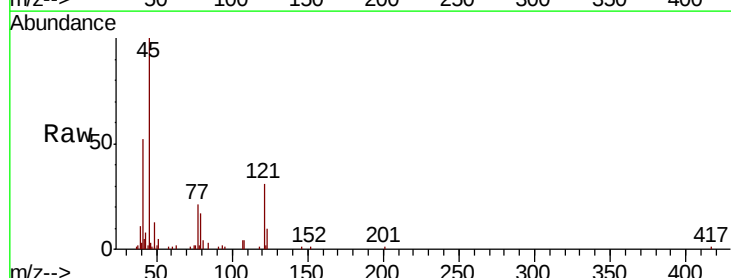
Tgt Ion: 45 Resp: 45777

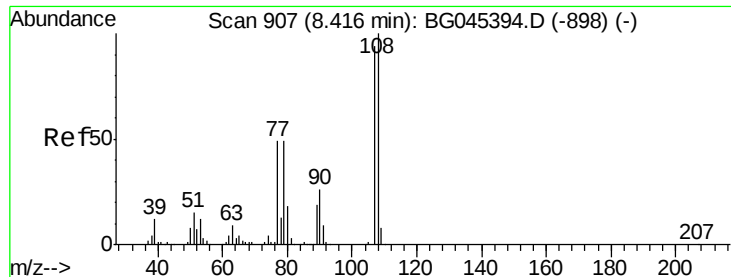
Ion Ratio Lower Upper

45 100

77 21.1 4.0 44.0

79 17.4 0.0 38.6





#17

2-Methylphenol

Concen: 8.747 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:107 Resp: 41301

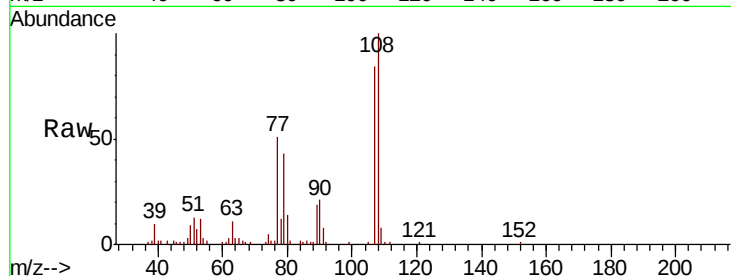
Ion Ratio Lower Upper

107 100

108 119.4 85.2 127.8

77 60.7 41.6 62.4

79 51.5 41.8 62.8



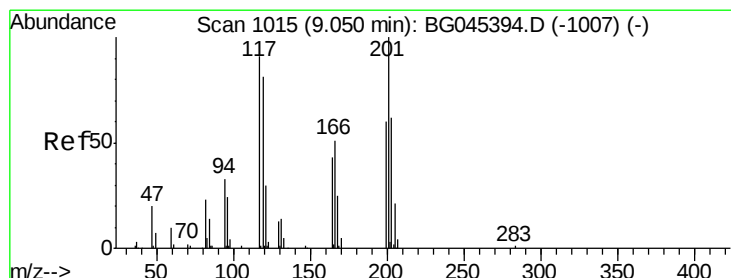
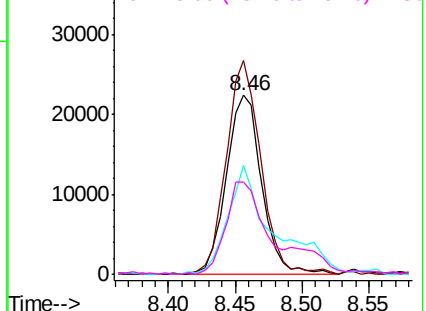
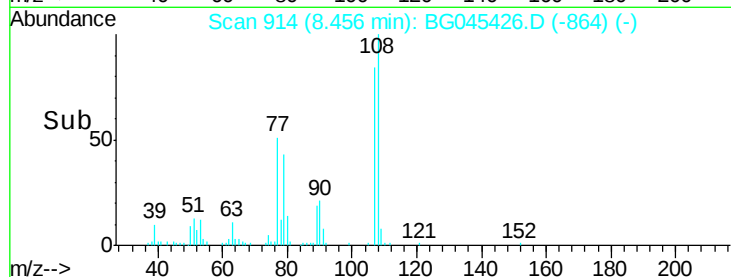
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 9.403 ng

RT: 9.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

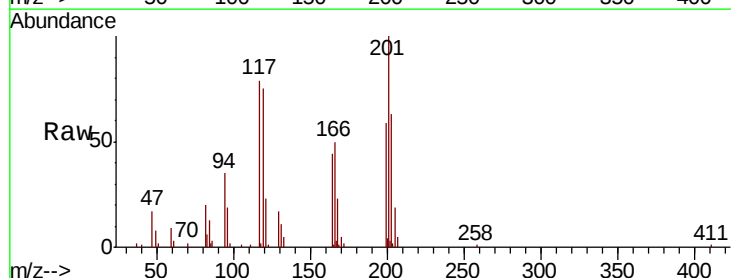
Tgt Ion:117 Resp: 20141

Ion Ratio Lower Upper

117 100

119 94.4 71.3 106.9

201 125.9 87.5 131.3

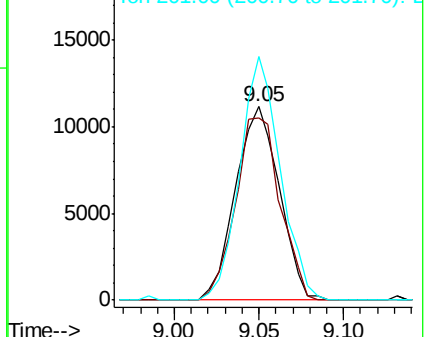
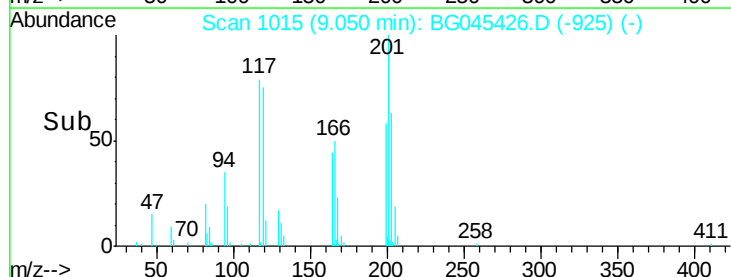


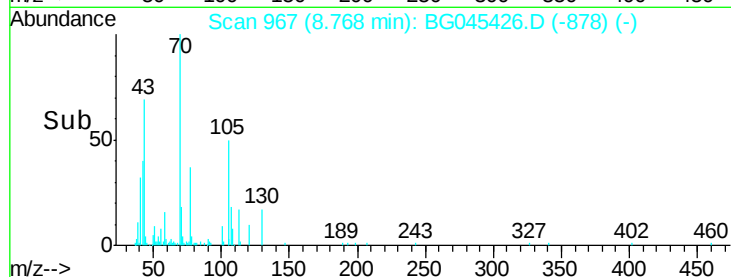
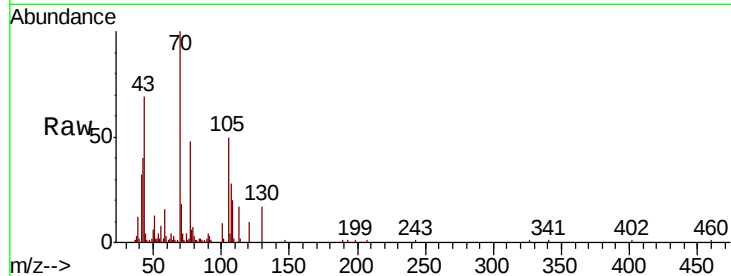
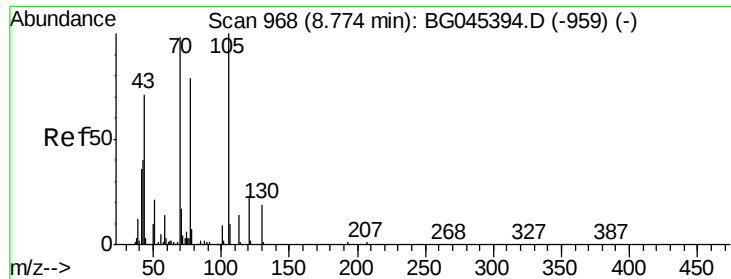
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

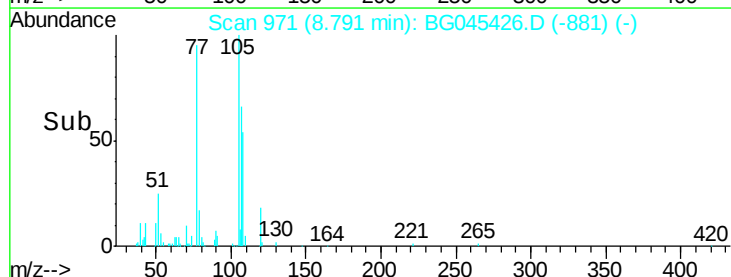
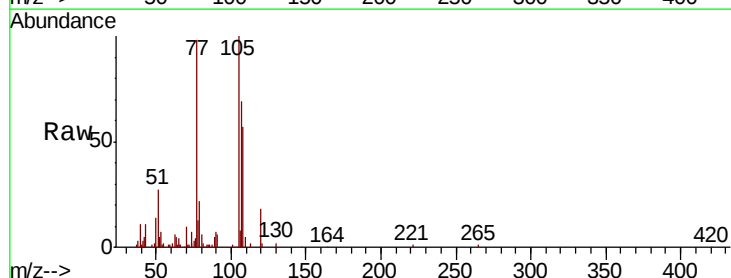
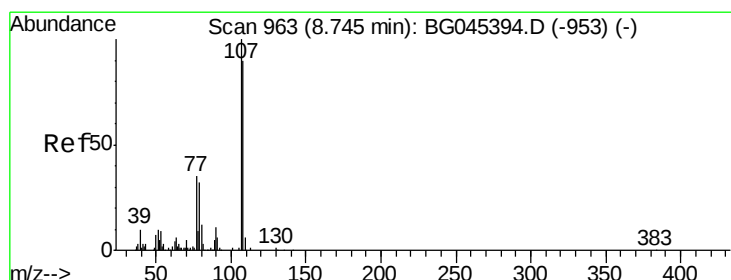
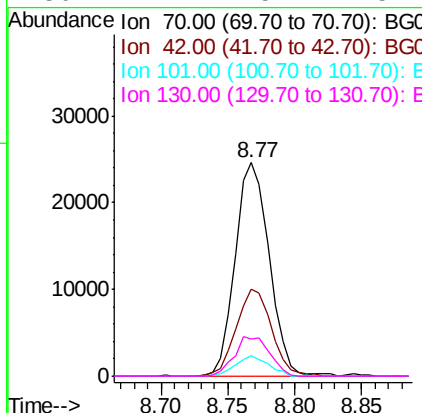




#19
n-Nitroso-di-n-propylamine
Concen: 10.269 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

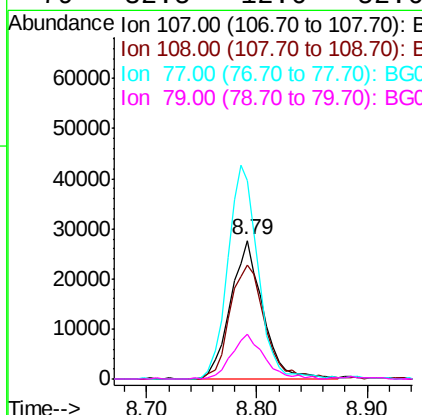
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

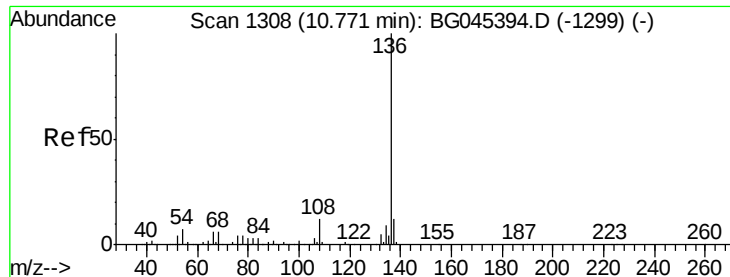
Tot Ion:	70	Resp:	43463
Ion	Ratio	Lower	Upper
70	100		
42	40.5	33.2	49.8
101	9.4	7.8	11.6
130	17.4	15.4	23.2



#20
3+4-Methylphenols
Concen: 8.840 ng
RT: 8.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:	107	Resp:	56840
Ion	Ratio	Lower	Upper
107	100		
108	82.3	70.3	110.3
77	143.2	15.4	55.4#
79	32.5	12.6	52.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:136 Resp: 350414

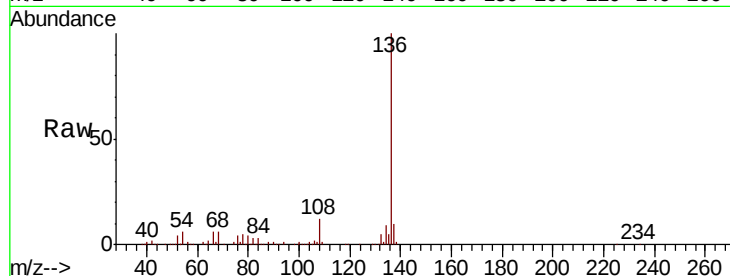
Ion Ratio Lower Upper

136 100

137 10.3 9.4 14.2

54 6.1 5.8 8.6

68 6.2 4.5 6.7

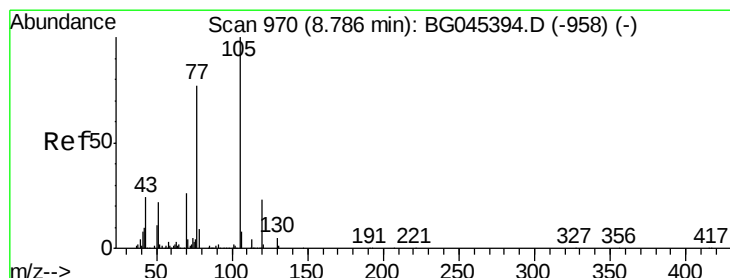
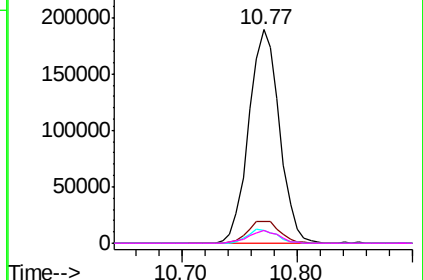
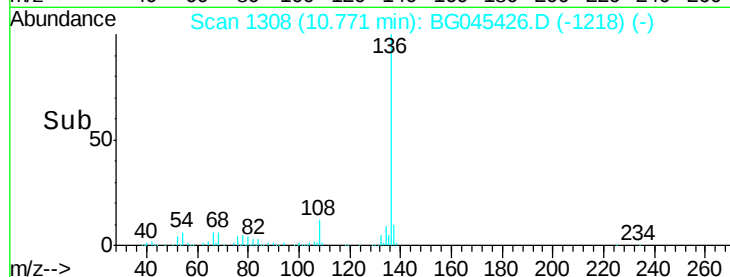


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 9.548 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Tgt Ion:105 Resp: 79299

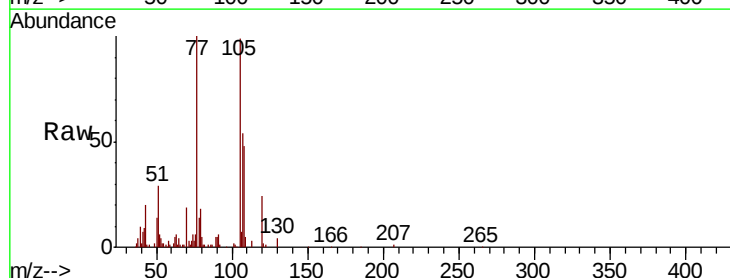
Ion Ratio Lower Upper

105 100

71 3.2 3.4 5.0#

51 29.6 18.2 27.2#

120 24.6 18.6 27.8

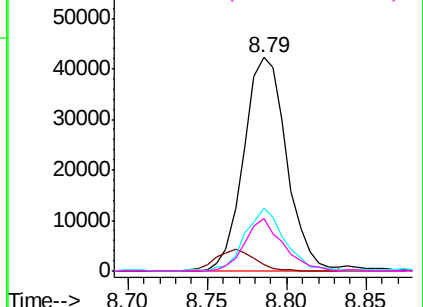
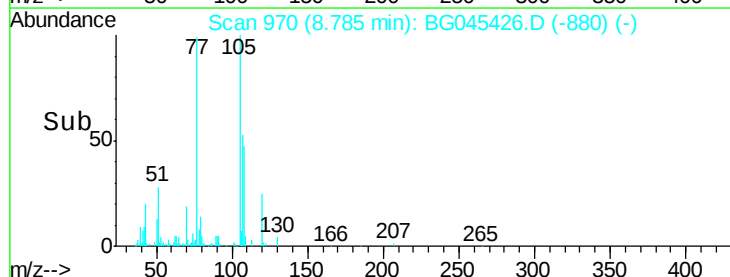


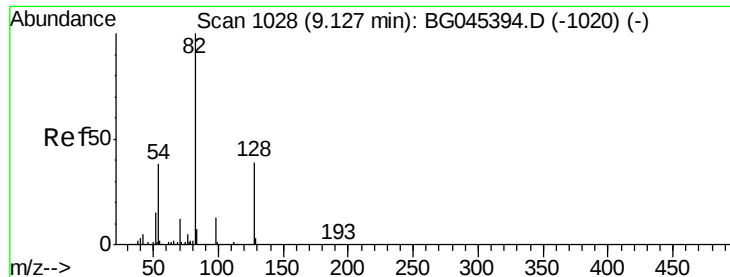
Abundance Ion 105.00 (104.70 to 105.70): E

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

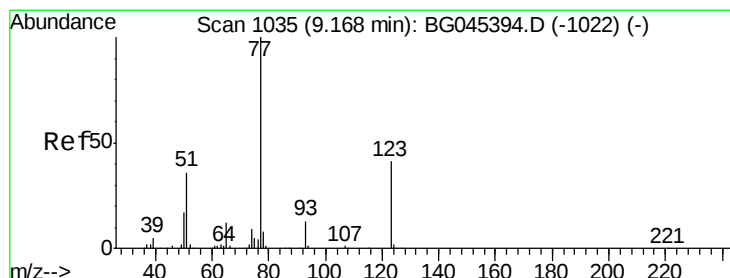
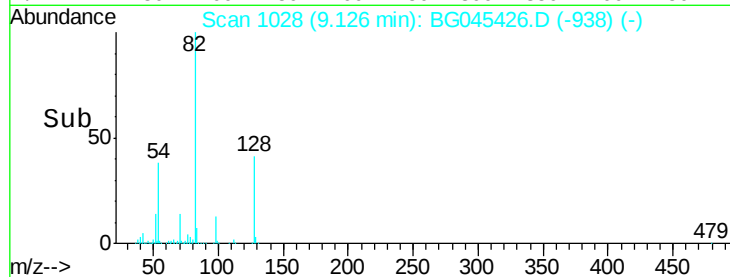
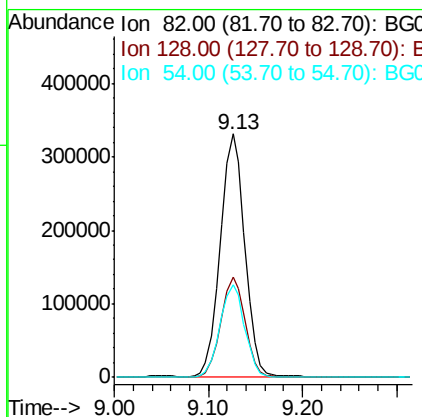
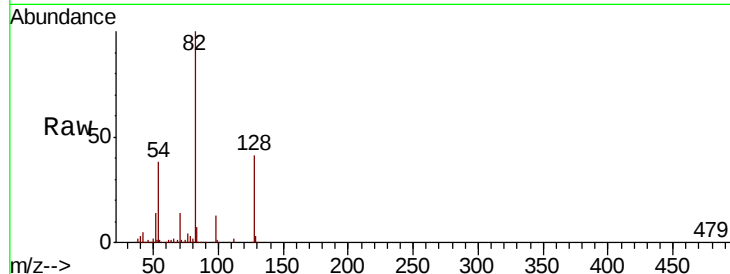




#23
Nitrobenzene-d5
Concen: 93.809 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

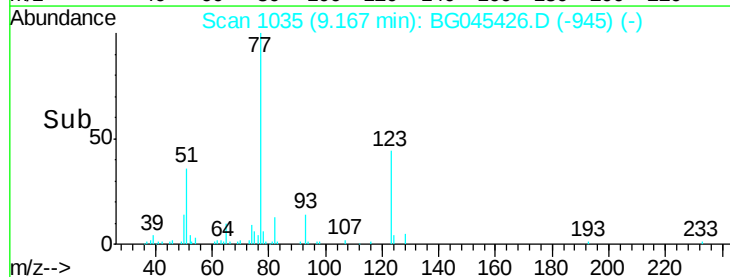
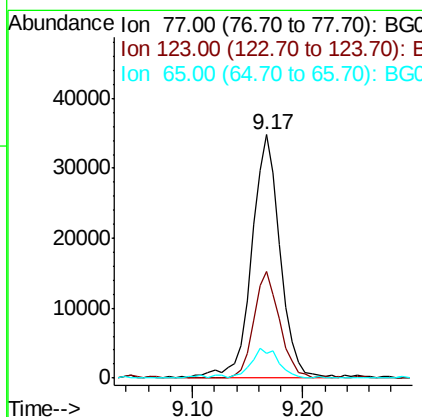
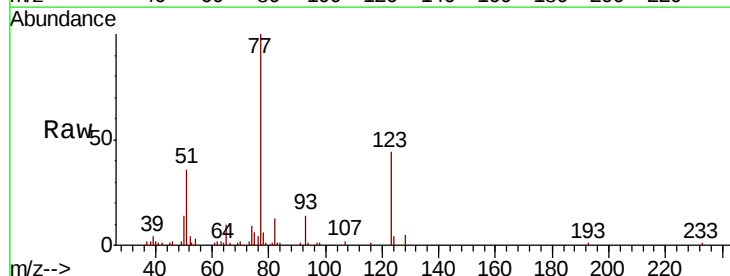
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

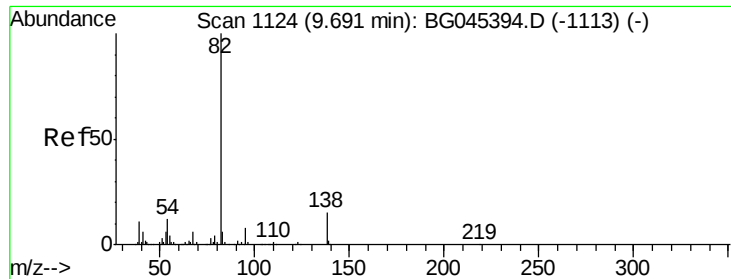
Tot Ion	82	Resp	602807
Ion	Ratio	Lower	Upper
82	100		
128	41.4	30.9	46.3
54	38.3	30.3	45.5



#24
Nitrobenzene
Concen: 9.096 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion	77	Resp	62622
Ion	Ratio	Lower	Upper
77	100		
123	43.8	32.9	49.3
65	10.3	9.4	14.2





#25

Isophorone

Concen: 9.710 ng

RT: 9.69 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

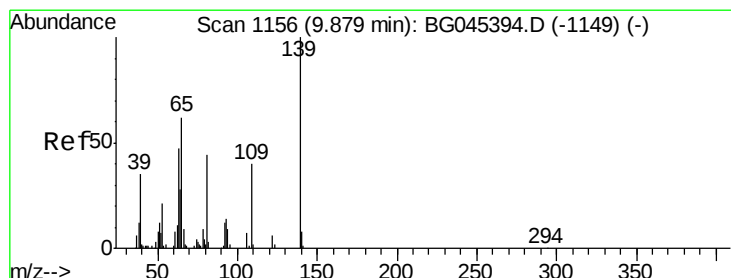
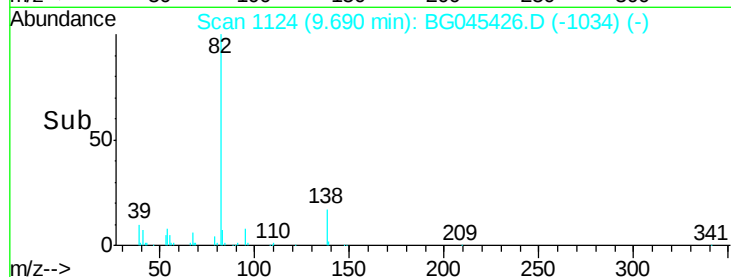
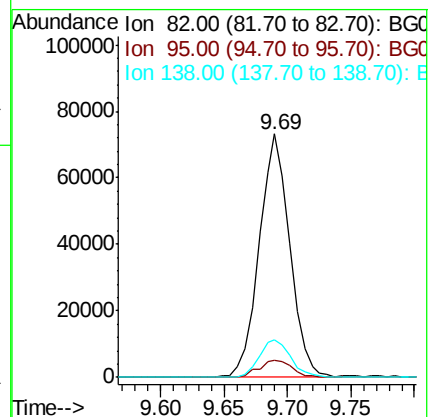
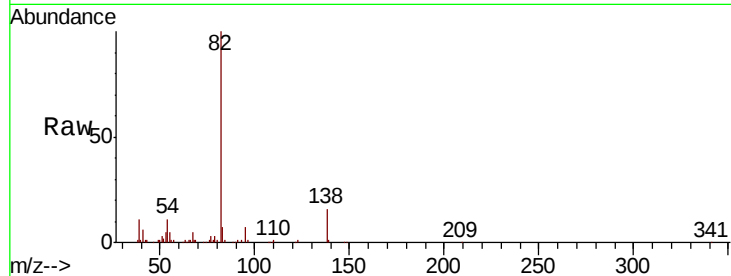
Tot Ion: 82 Resp: 122883

Ion Ratio Lower Upper

82 100

95 7.1 6.7 10.1

138 15.6 12.2 18.4



#26

2-Nitrophenol

Concen: 8.550 ng

RT: 9.88 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

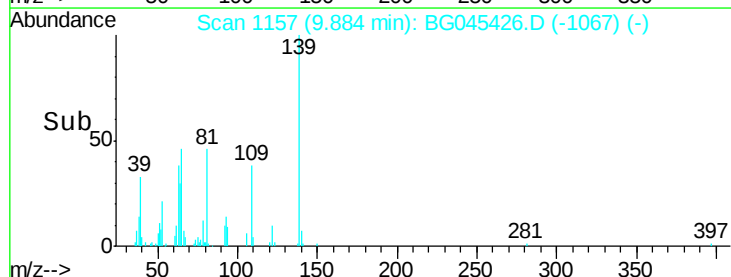
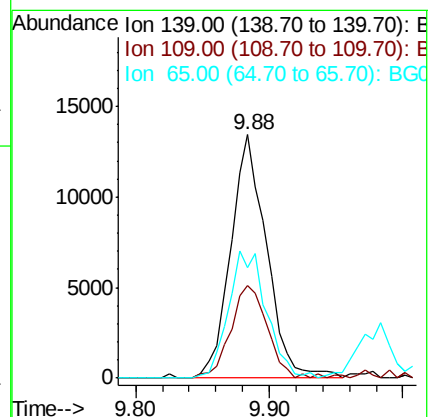
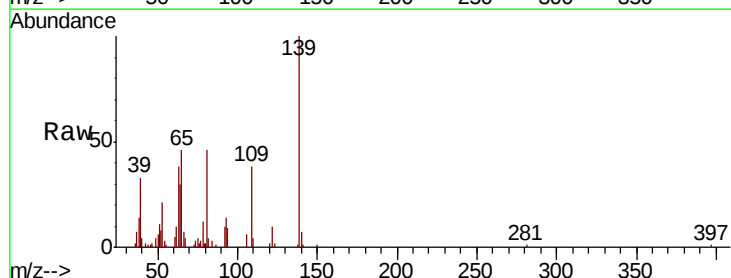
Tgt Ion: 139 Resp: 25182

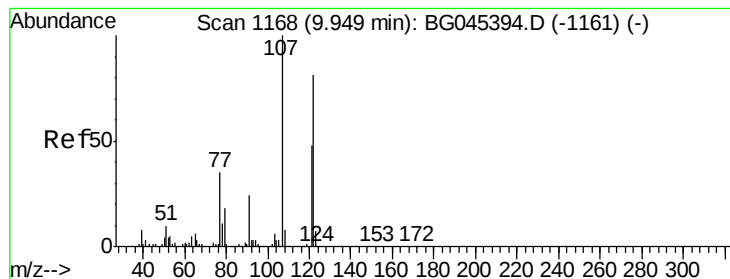
Ion Ratio Lower Upper

139 100

109 37.9 32.2 48.4

65 45.6 49.6 74.4#





#27

2,4-Dimethylphenol

Concen: 10.048 ng

RT: 9.98 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

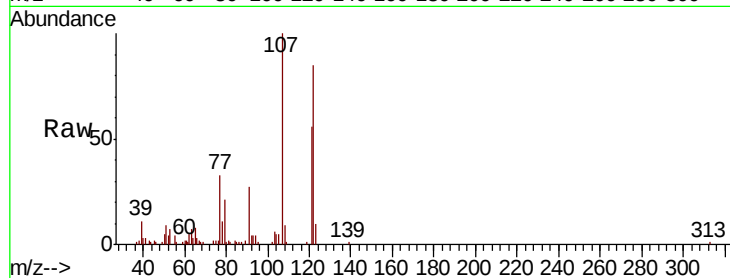
Tot Ion:122 Resp: 43891

Ion Ratio Lower Upper

122 100

107 117.6 99.0 148.4

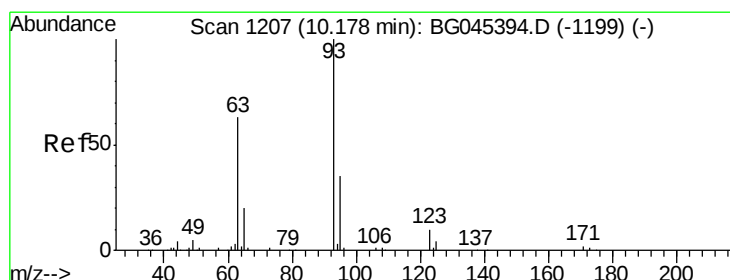
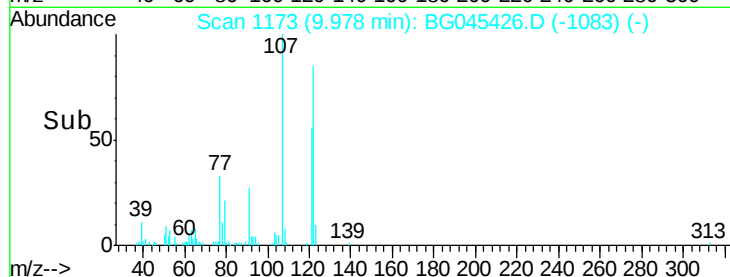
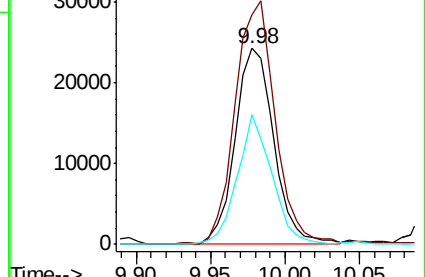
121 66.3 47.7 71.5



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: 10.086 ng

RT: 10.18 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

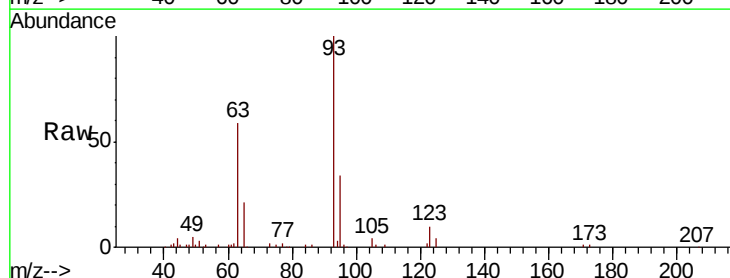
Tgt Ion: 93 Resp: 66939

Ion Ratio Lower Upper

93 100

95 33.6 27.6 41.4

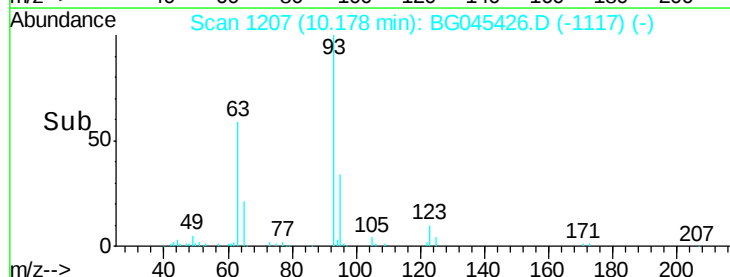
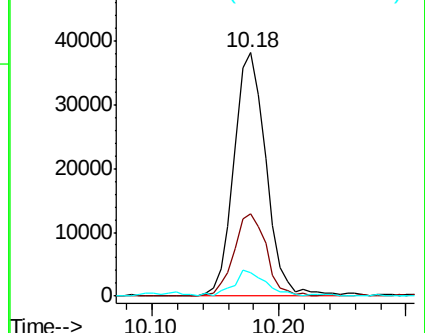
123 9.9 8.1 12.1

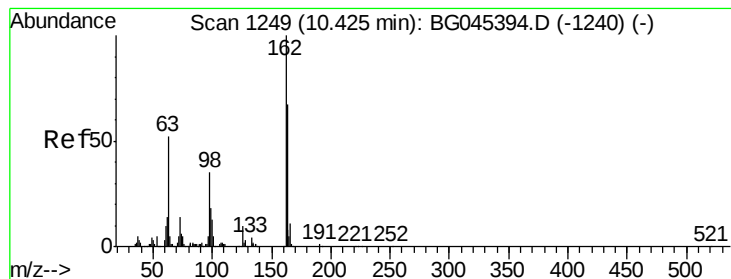


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 9.354 ng

RT: 10.45 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

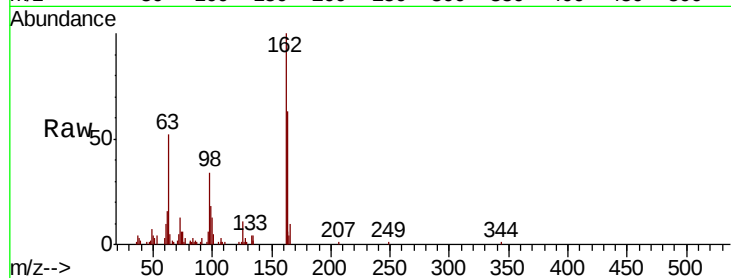
Tot Ion:162 Resp: 48249

Ion Ratio Lower Upper

162 100

164 63.1 46.8 86.8

98 34.4 15.2 55.2

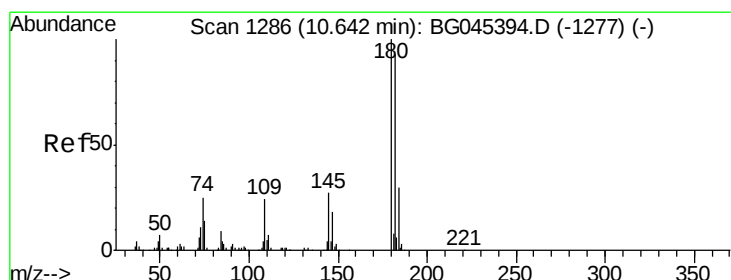
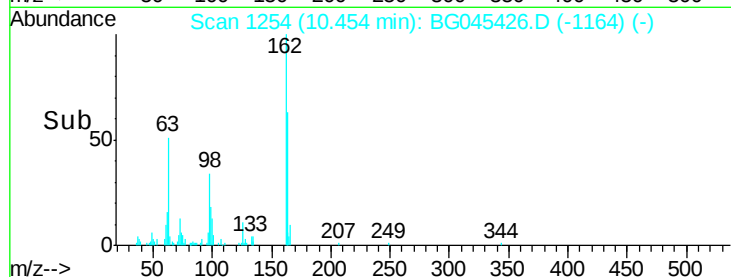


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



#30

1,2,4-Trichlorobenzene

Concen: 9.206 ng

RT: 10.64 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

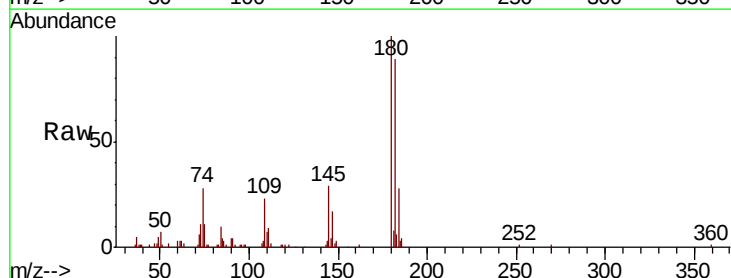
Tgt Ion:180 Resp: 56113

Ion Ratio Lower Upper

180 100

182 89.3 74.8 112.2

145 28.6 21.9 32.9

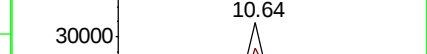
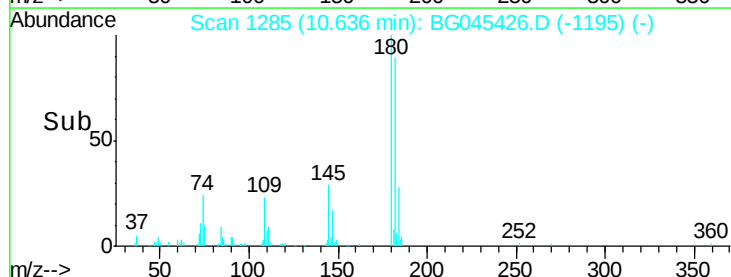


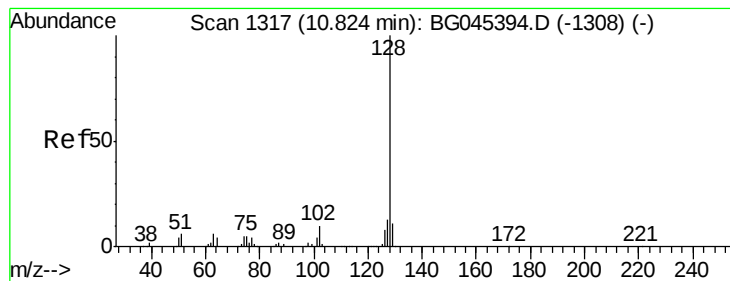
Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

Time-->





#31

Naphthalene

Concen: 9.756 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

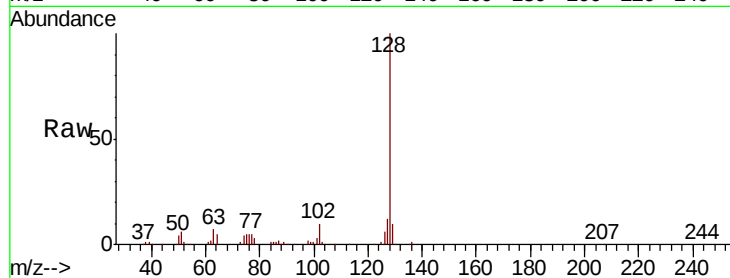
Tot Ion:128 Resp: 159310

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.6

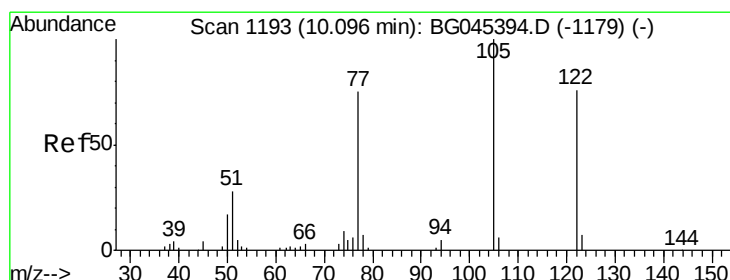
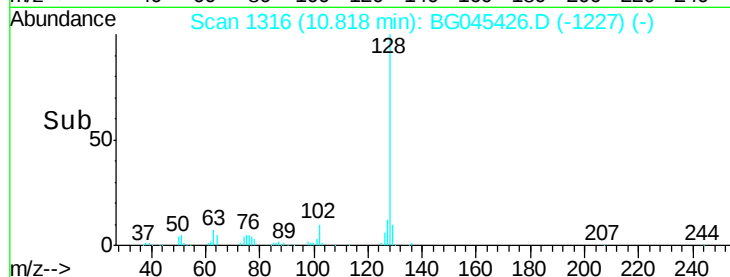
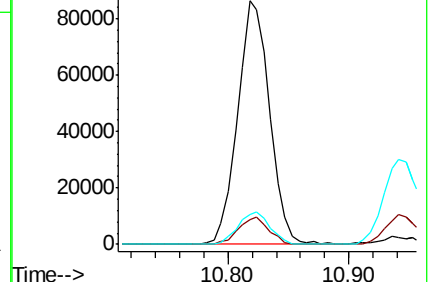
127 12.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.351 ng

RT: 10.11 min Scan# 1195

Delta R.T. -0.06 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

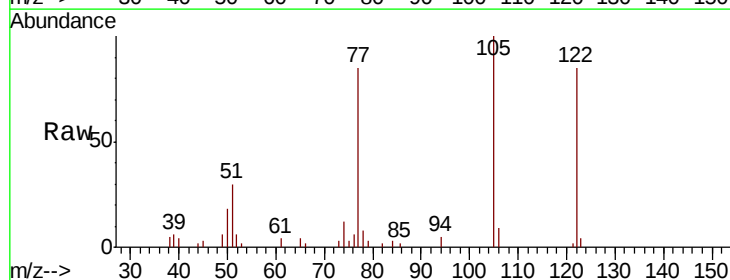
Tgt Ion:122 Resp: 19284

Ion Ratio Lower Upper

122 100

105 117.0 107.9 147.9

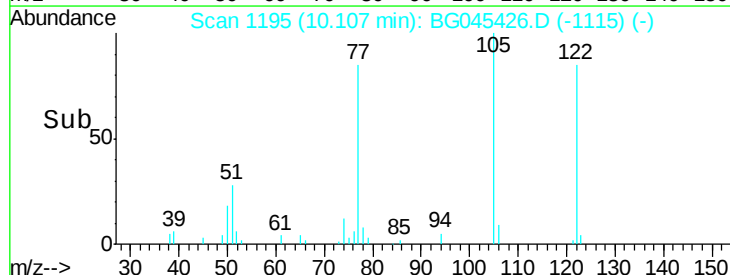
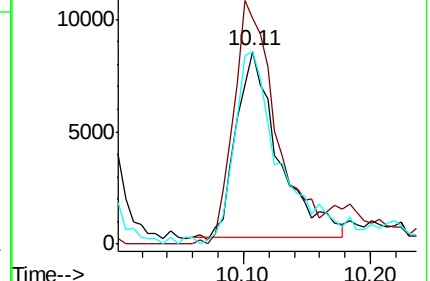
77 99.6 78.9 118.9

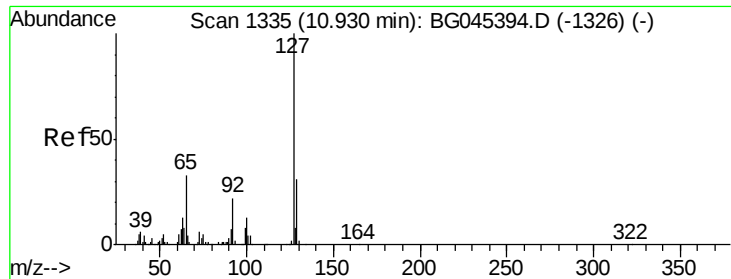


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

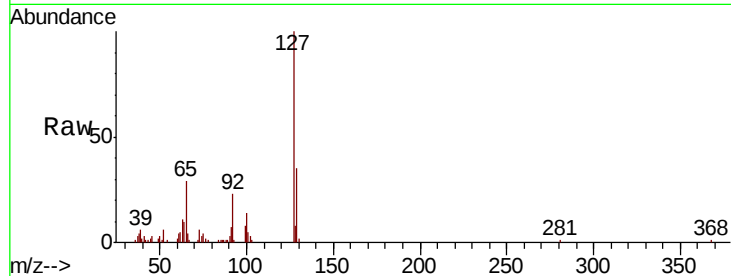




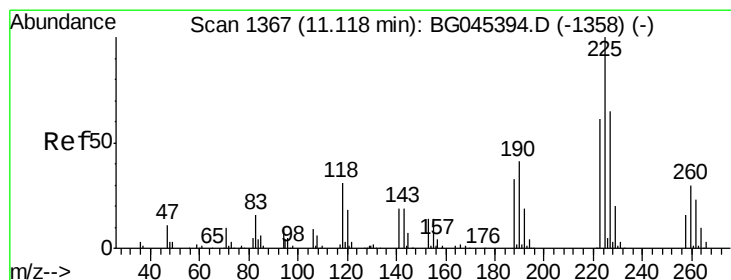
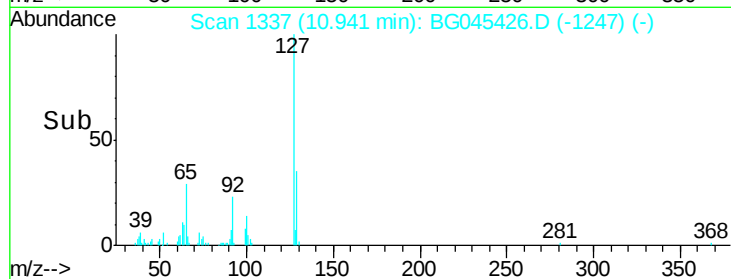
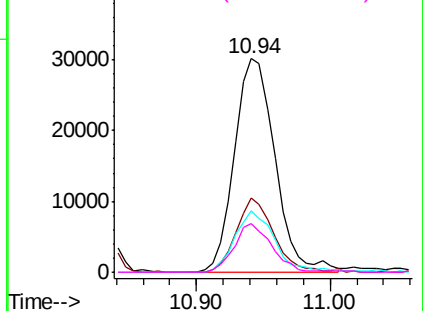
#33
4-Chloroaniline
Concen: 9.288 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:127	Resp:	63399
Ion Ratio	Lower	Upper
127	100	
129	34.5	24.7 37.1
65	28.8	26.2 39.2
92	22.6	17.9 26.9

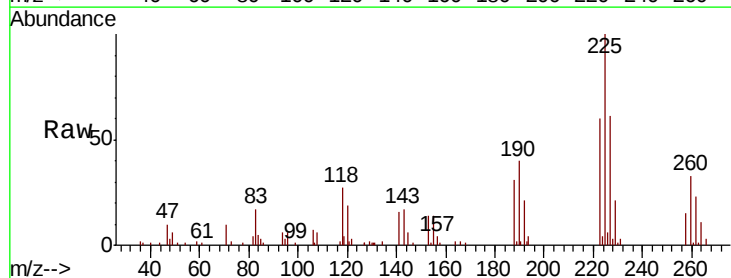


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

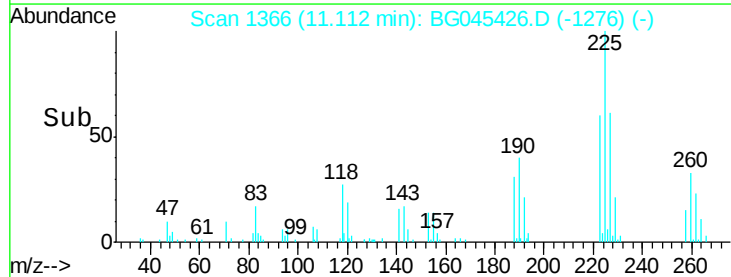
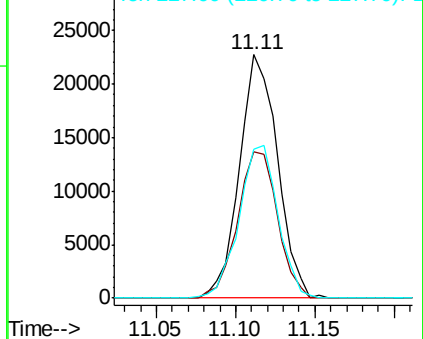


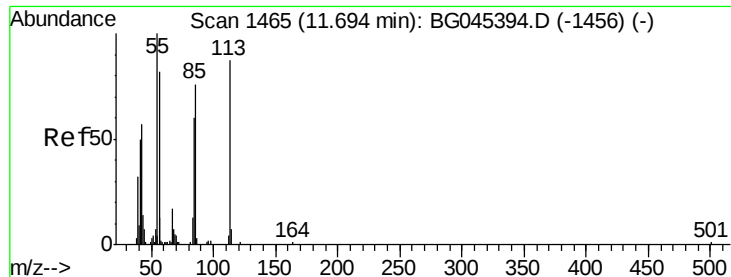
#34
Hexachlorobutadiene
Concen: 8.821 ng
RT: 11.11 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:225	Resp:	38004
Ion Ratio	Lower	Upper
225	100	
223	60.1	49.1 73.7
227	61.0	52.0 78.0



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

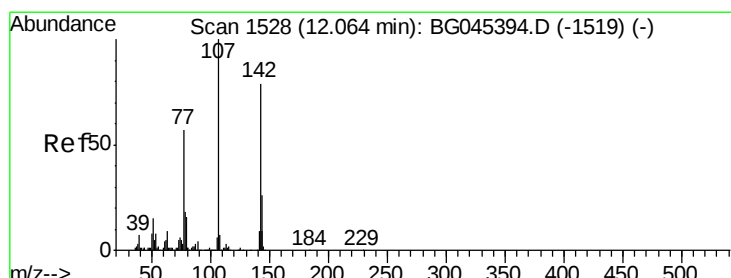
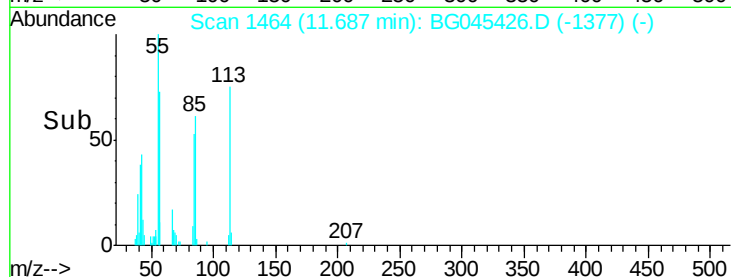
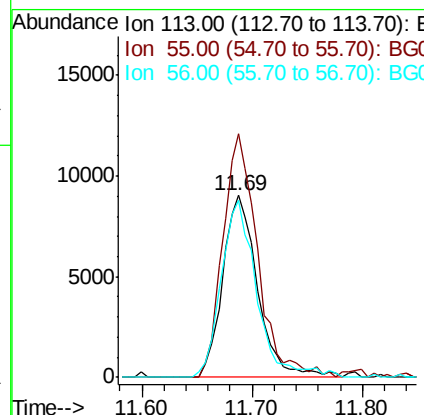
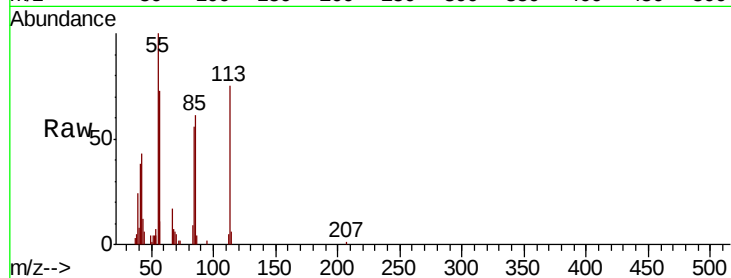




#35
 Caprolactam
 Concen: 10.524 ng
 RT: 11.69 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

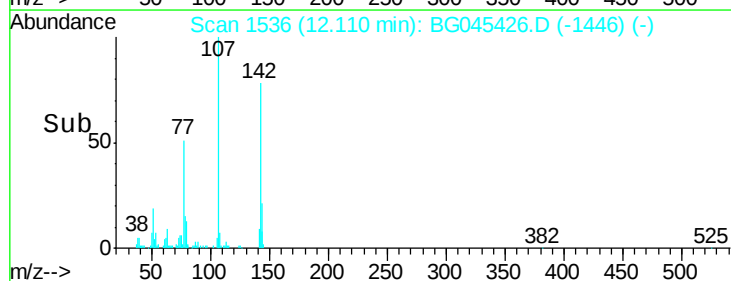
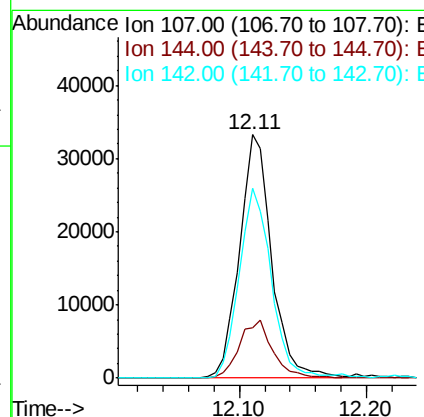
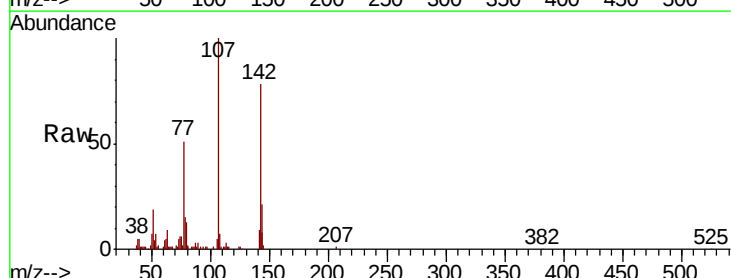
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

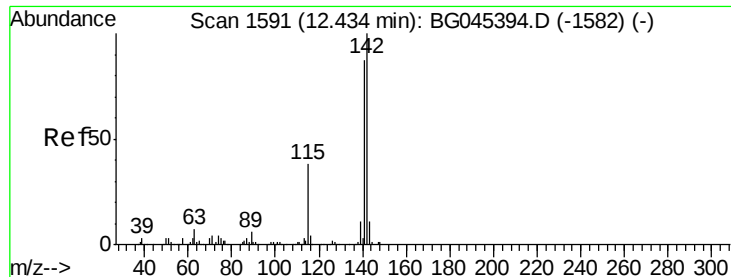
Tot Ion:113 Resp: 19925
 Ion Ratio Lower Upper
 113 100
 55 134.0 96.0 136.0
 56 97.4 75.1 115.1



#36
 4-Chloro-3-methylphenol
 Concen: 10.008 ng
 RT: 12.11 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:107 Resp: 58172
 Ion Ratio Lower Upper
 107 100
 144 20.9 20.8 31.2
 142 78.0 62.8 94.2





#37

2-Methylnaphthalene

Concen: 10.074 ng

RT: 12.43 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

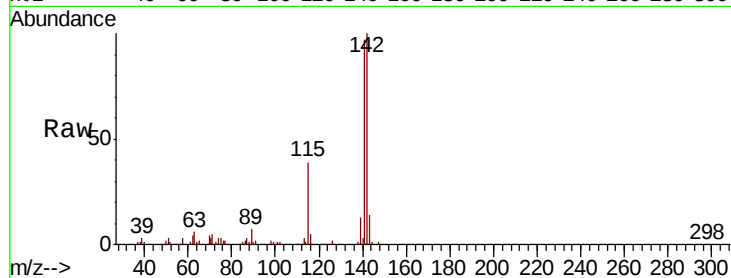
Tot Ion:142 Resp: 122613

Ion Ratio Lower Upper

142 100

141 97.3 70.0 105.0

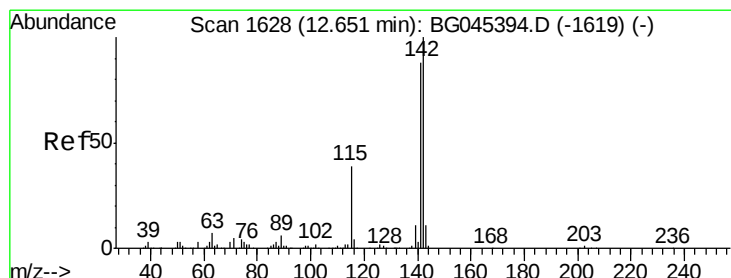
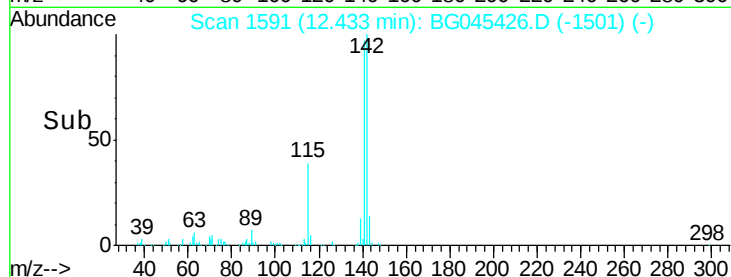
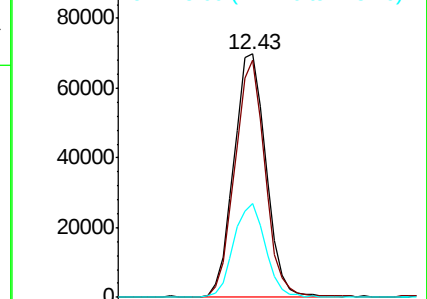
115 38.8 30.8 46.2



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: 10.435 ng

RT: 12.65 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

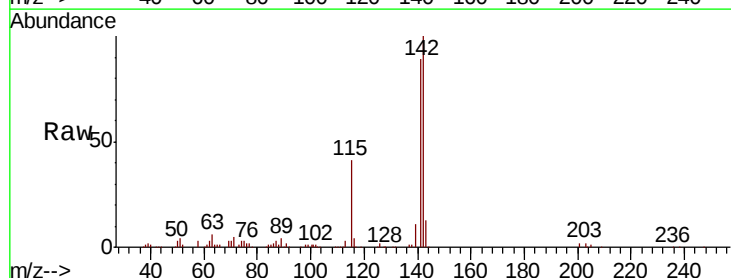
Tgt Ion:142 Resp: 119969

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

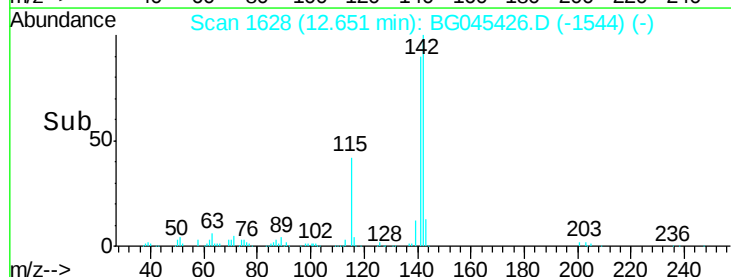
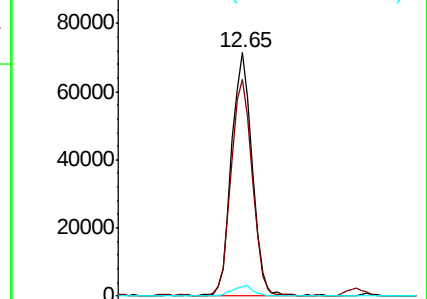
116 3.8 3.0 4.6

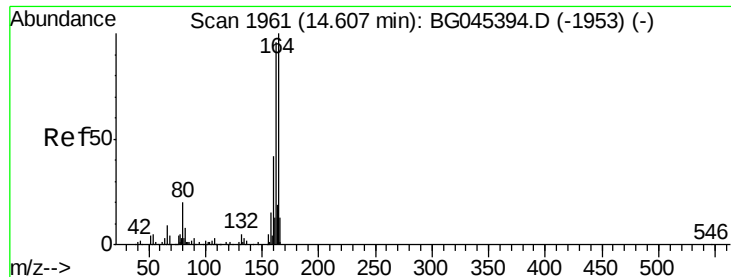


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

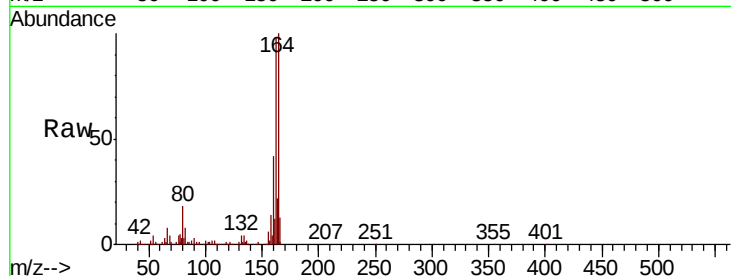
Tot Ion:164 Resp: 251744

Ion Ratio Lower Upper

164 100

162 98.3 76.9 115.3

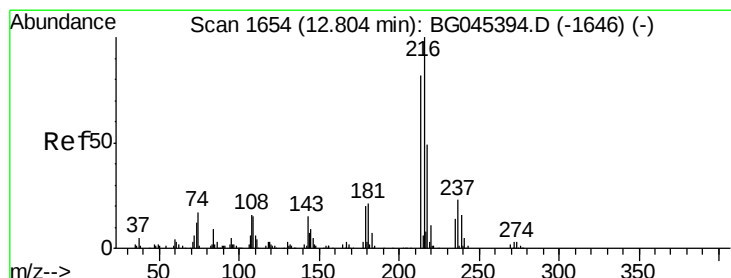
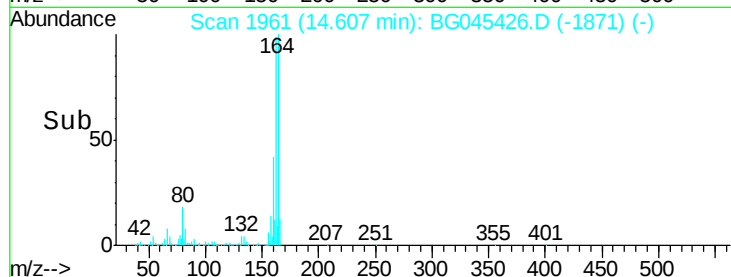
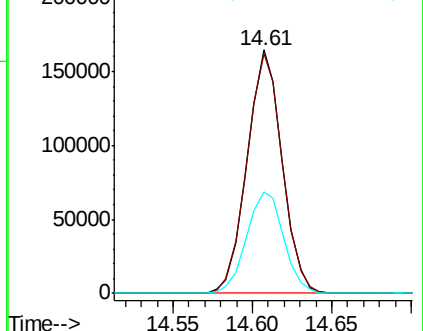
160 41.9 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.640 ng

RT: 12.80 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Tgt Ion:216 Resp: 67784

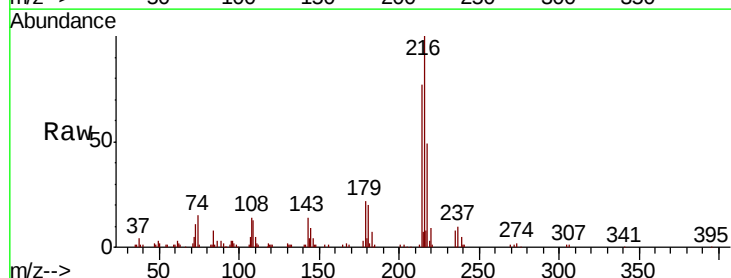
Ion Ratio Lower Upper

216 100

214 79.0 63.7 95.5

179 21.4 16.1 24.1

108 16.5 13.8 20.6

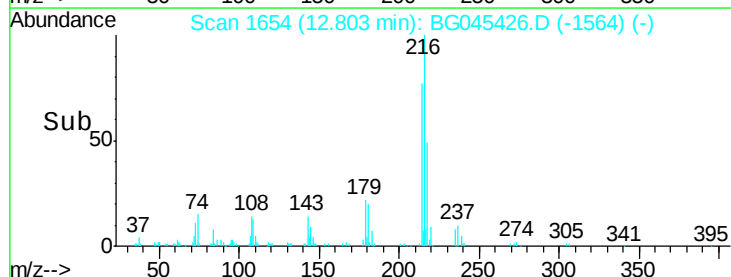
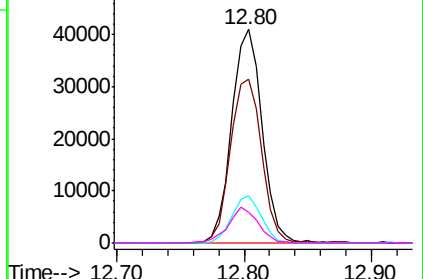


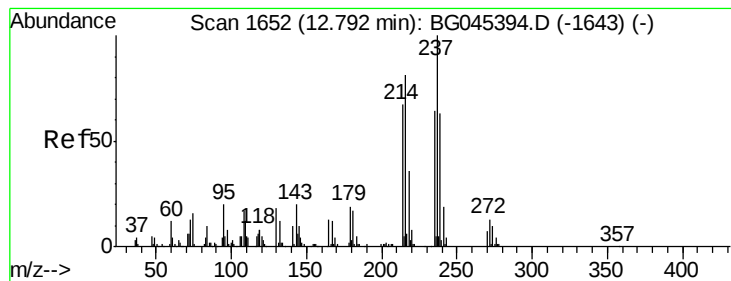
Abundance Ion 216.00 (215.70 to 216.70): E

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: 7.946 ng

RT: 12.79 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

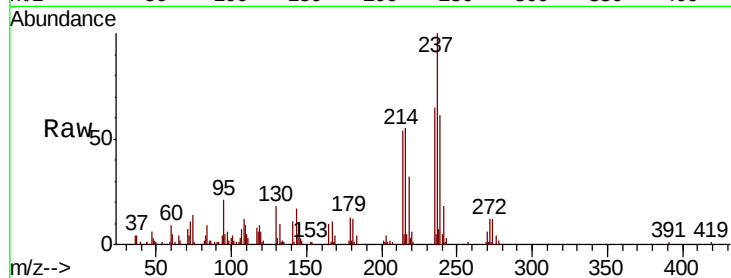
Tot Ion:237 Resp: 32250

Ion Ratio Lower Upper

237 100

235 65.3 44.4 84.4

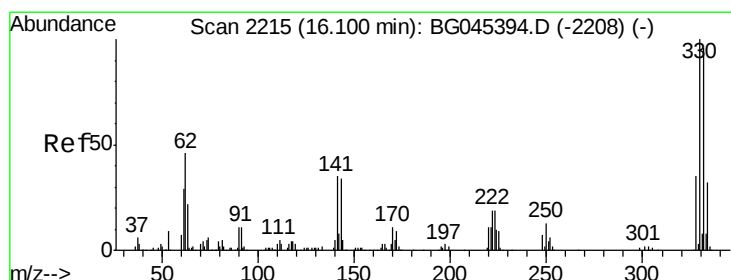
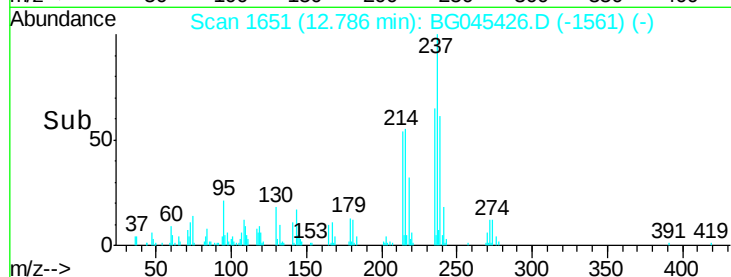
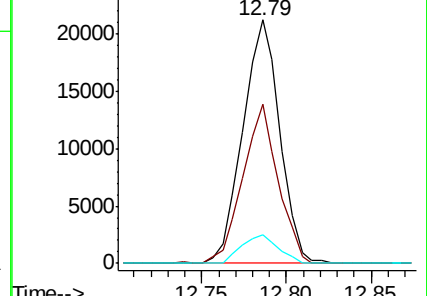
272 11.9 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 149.171 ng

RT: 16.10 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

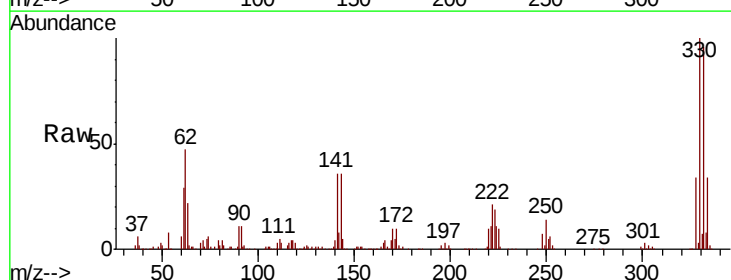
Tgt Ion:330 Resp: 480259

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.4

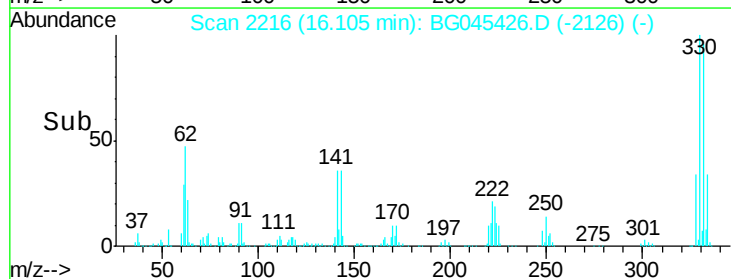
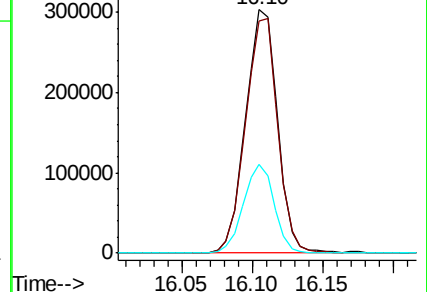
141 35.2 28.2 42.4

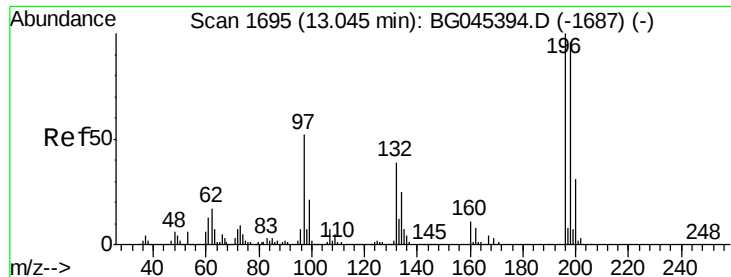


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

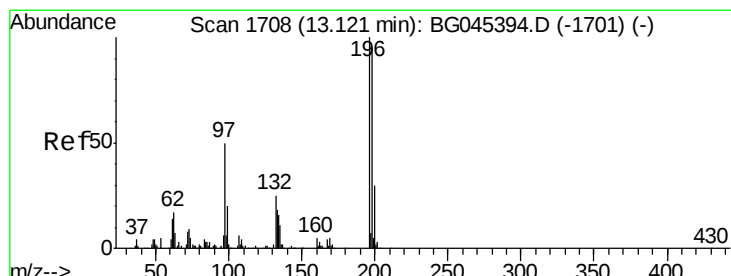
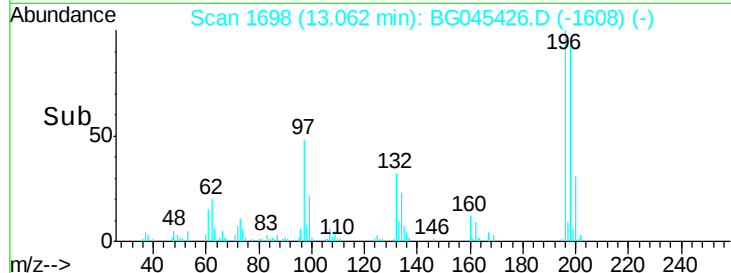
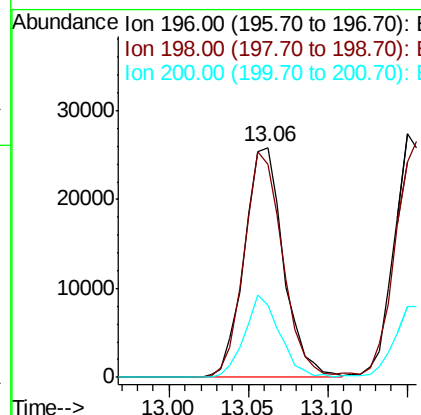
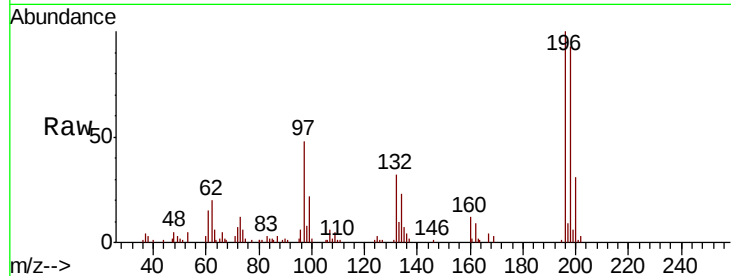




#43
 2,4,6-Trichlorophenol
 Concen: 9.108 ng
 RT: 13.06 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

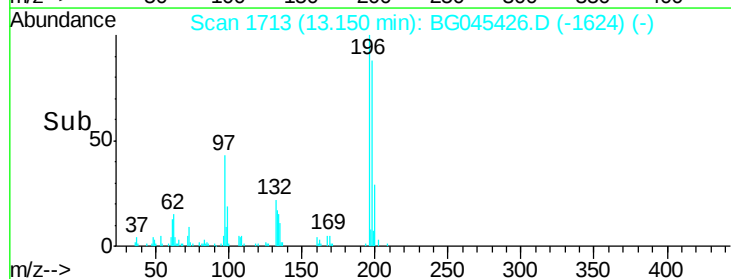
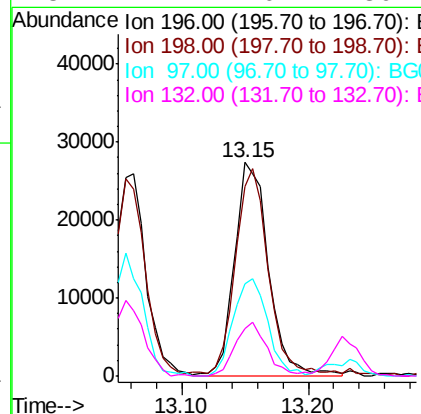
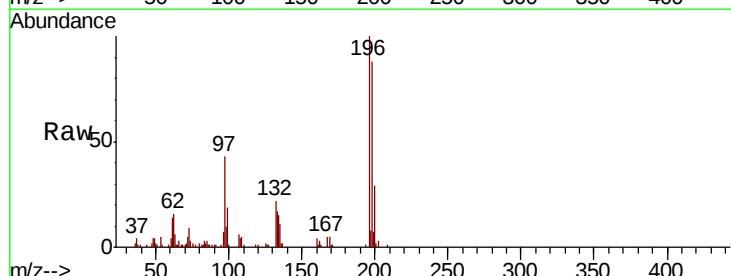
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

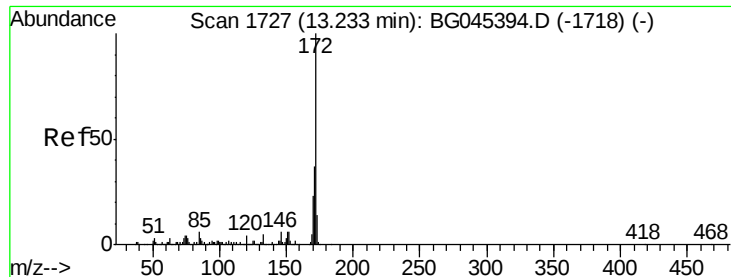
Tot Ion:196 Resp: 44487
 Ion Ratio Lower Upper
 196 100
 198 92.8 76.7 115.1
 200 31.2 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 9.076 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:196 Resp: 50660
 Ion Ratio Lower Upper
 196 100
 198 88.5 76.1 114.1
 97 42.9 40.0 60.0
 132 22.2 20.2 30.2

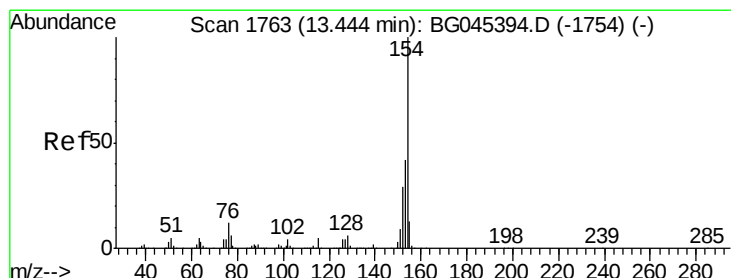
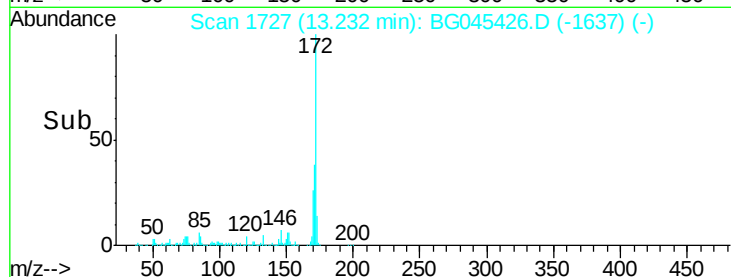
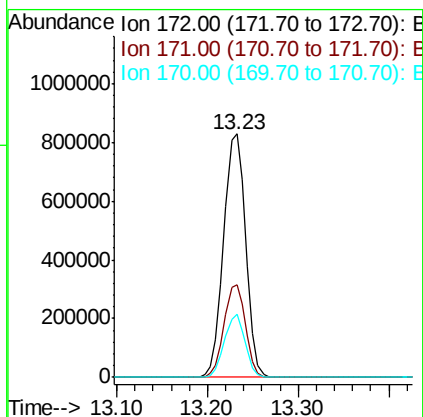
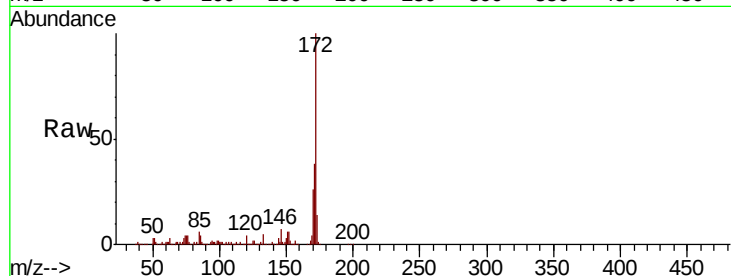




#45
2-Fluorobiphenyl
Concen: 94.482 ng
RT: 13.23 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

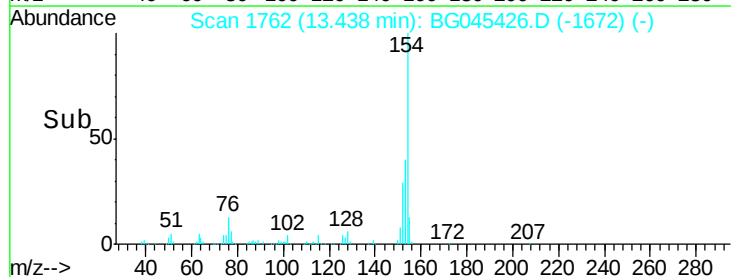
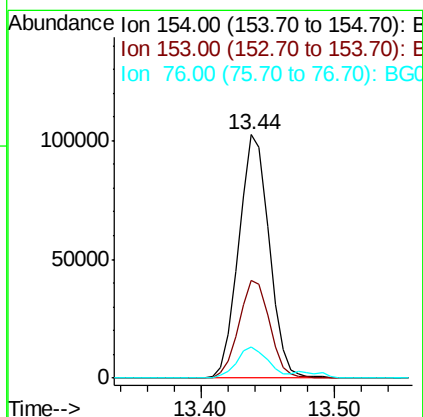
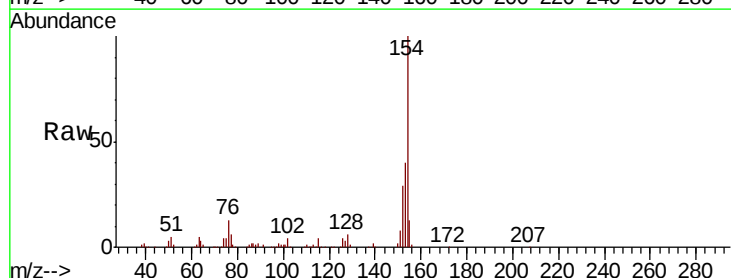
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

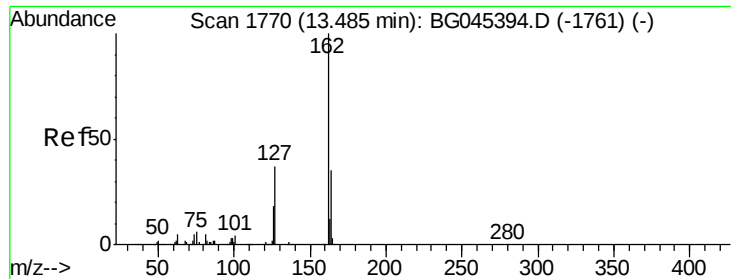
Tot Ion:172 Resp: 1402267
Ion Ratio Lower Upper
172 100
171 38.2 29.5 44.3
170 25.8 18.5 27.7



#46
1,1'-Biphenyl
Concen: 10.469 ng
RT: 13.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:154 Resp: 161943
Ion Ratio Lower Upper
154 100
153 40.4 22.2 62.2
76 12.9 0.0 32.4

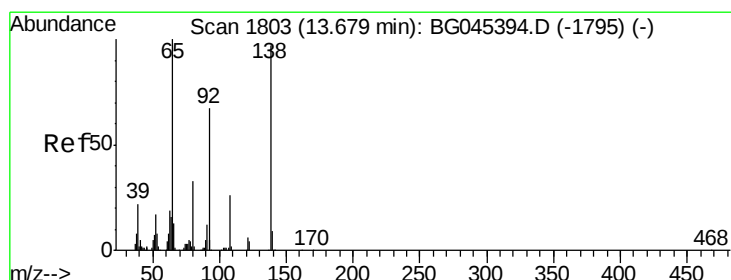
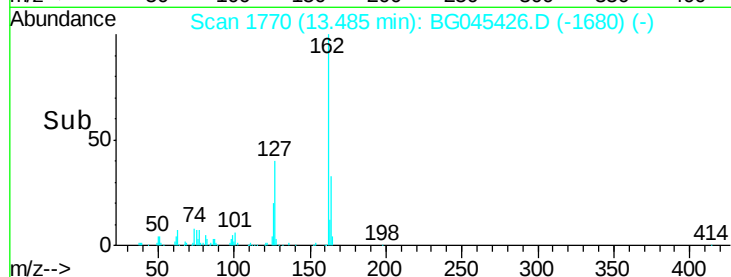
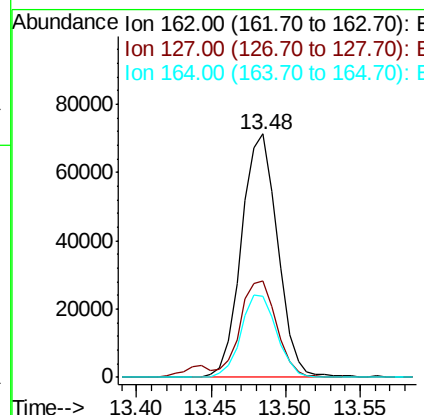
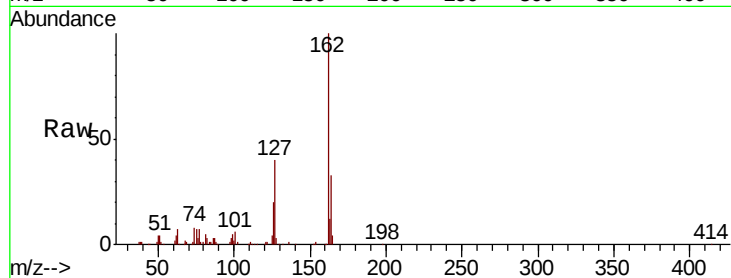




#47
2-Chloronaphthalene
Concen: 9.534 ng
RT: 13.48 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

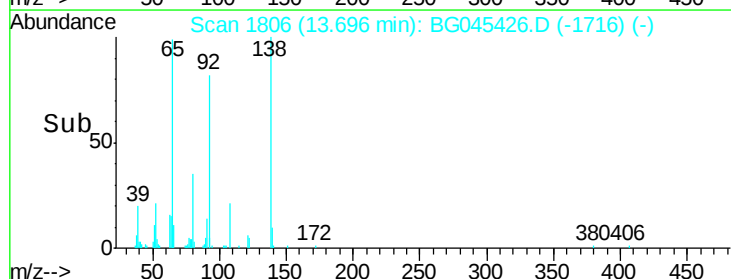
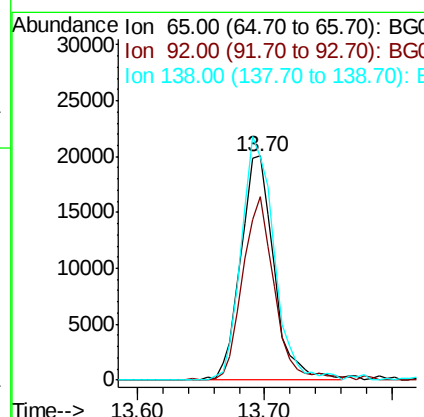
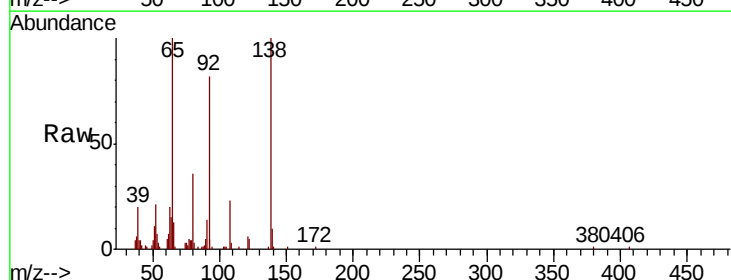
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

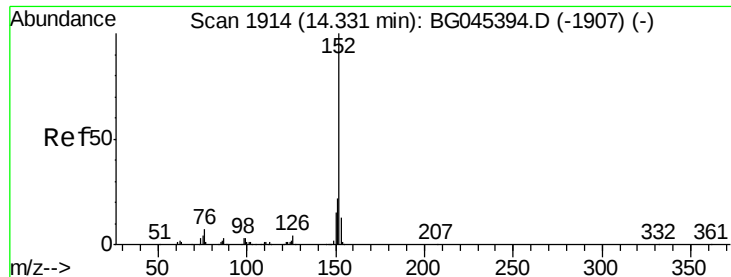
Tot Ion:	162	Resp:	119752
Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.6	47.4
164	33.4	28.1	42.1



#48
2-Nitroaniline
Concen: 8.842 ng
RT: 13.70 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:	65	Resp:	36534
Ion	Ratio	Lower	Upper
65	100		
92	82.0	53.8	80.8#
138	99.7	77.9	116.9





#49

Acenaphthylene

Concen: 10.417 ng

RT: 14.32 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

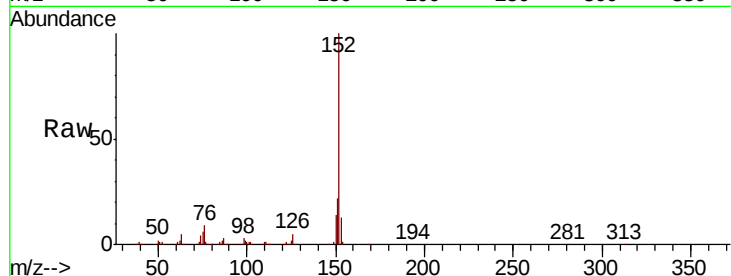
Tot Ion:152 Resp: 210174

Ion Ratio Lower Upper

152 100

151 21.7 17.4 26.2

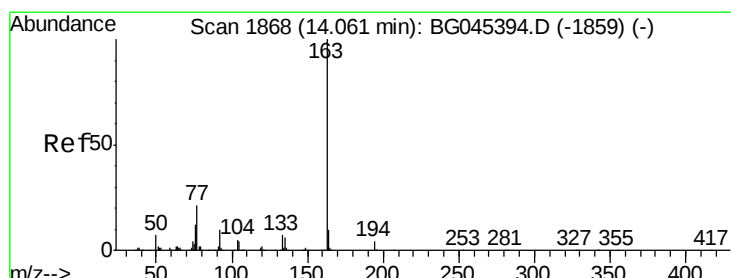
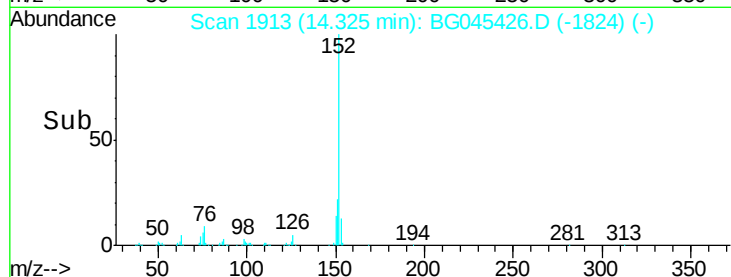
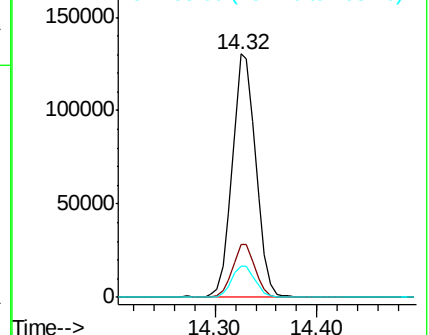
153 12.9 10.7 16.1



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: 10.246 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

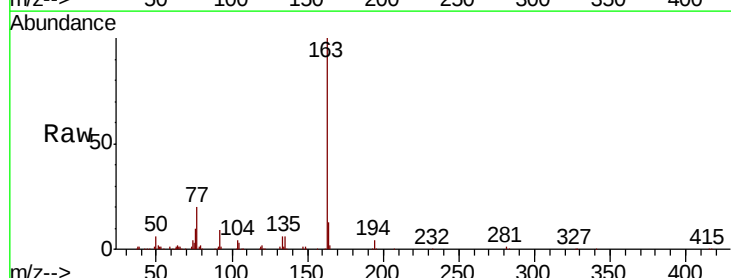
Tgt Ion:163 Resp: 176948

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

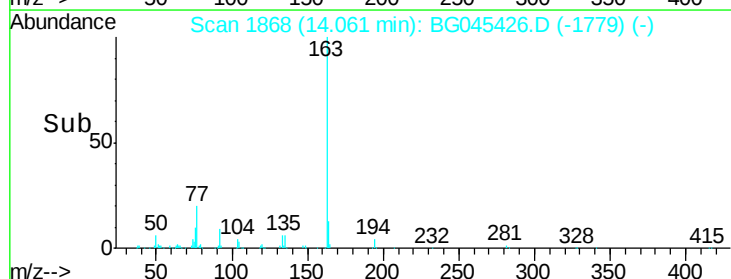
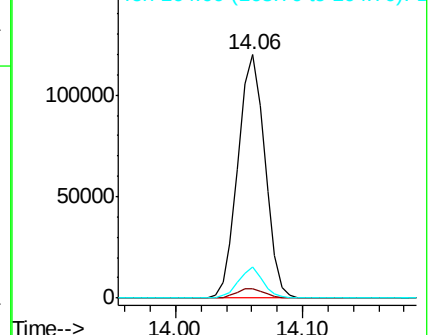
164 12.6 8.3 12.5#

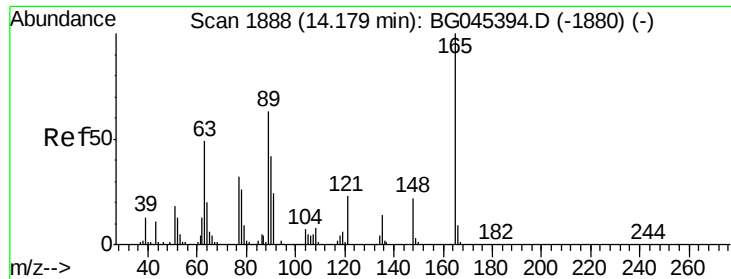


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

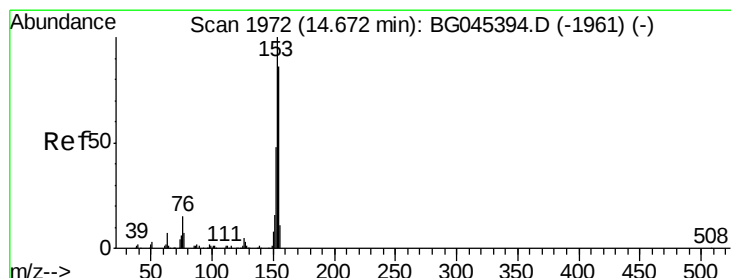
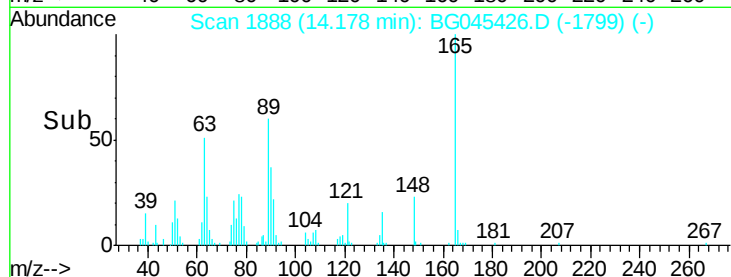
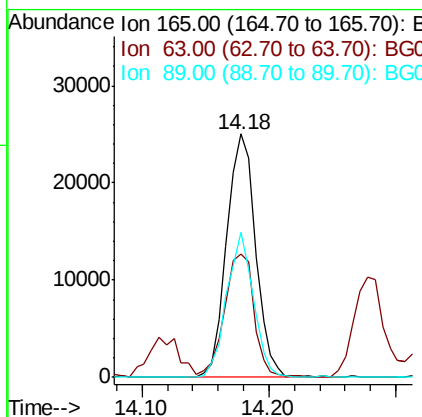
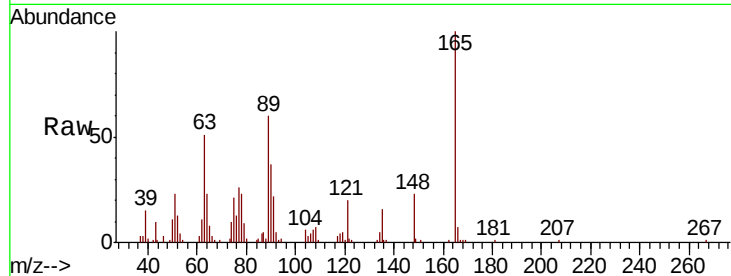




#51
 2,6-Dinitrotoluene
 Concen: 10.103 ng
 RT: 14.18 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

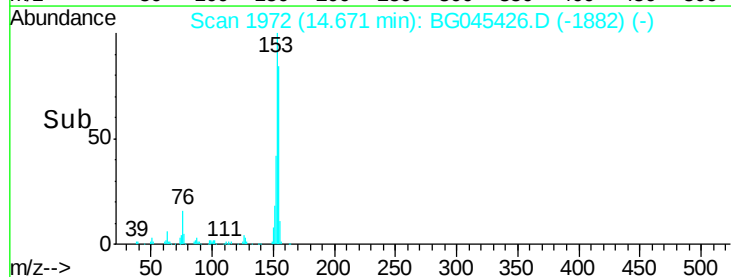
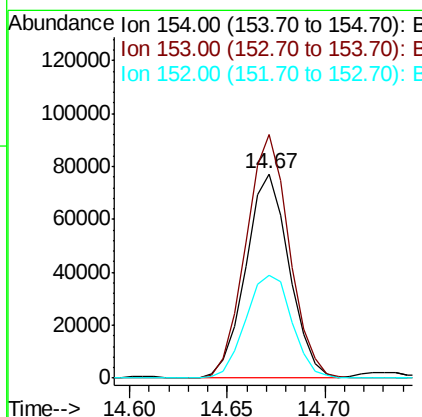
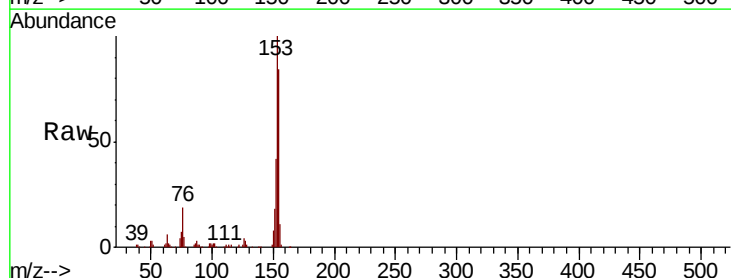
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

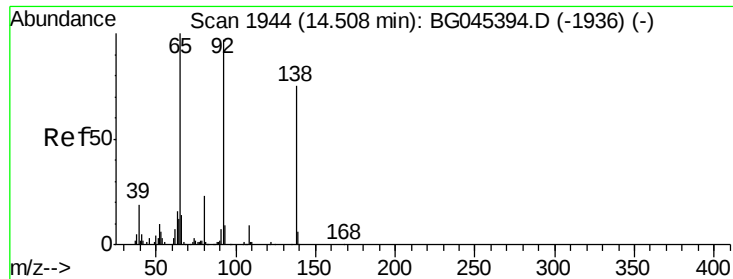
Tot Ion:165 Resp: 39369
 Ion Ratio Lower Upper
 165 100
 63 50.8 45.0 67.4
 89 59.7 50.2 75.4



#52
 Acenaphthene
 Concen: 8.830 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:154 Resp: 119252
 Ion Ratio Lower Upper
 154 100
 153 119.4 92.8 139.2
 152 50.5 44.6 66.8

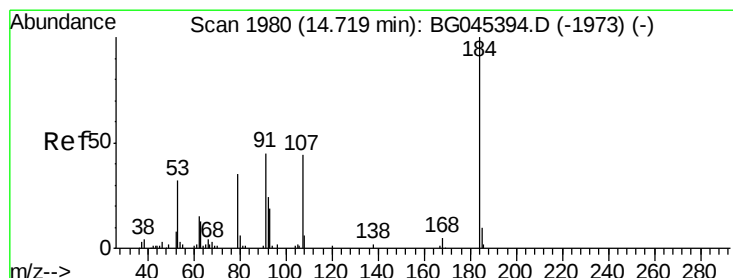
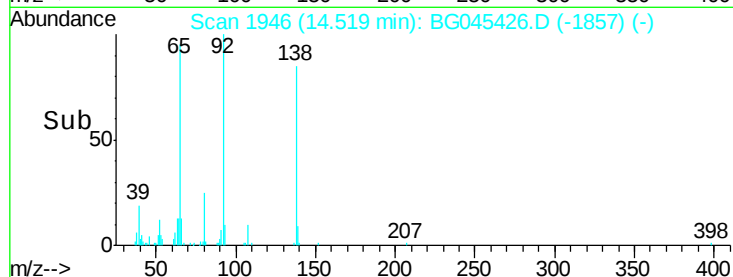
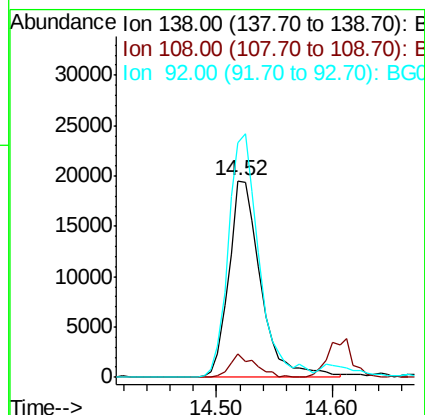
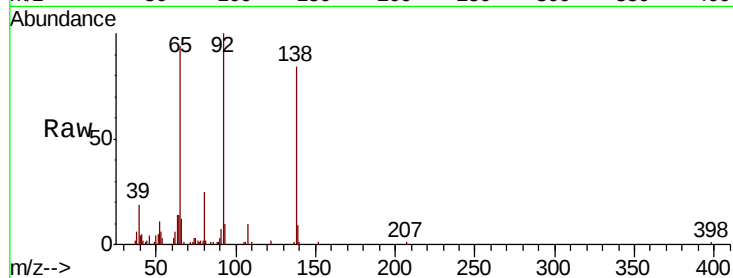




#53
 3-Nitroaniline
 Concen: 9.460 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

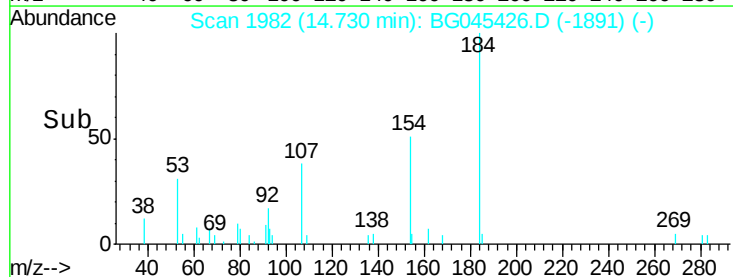
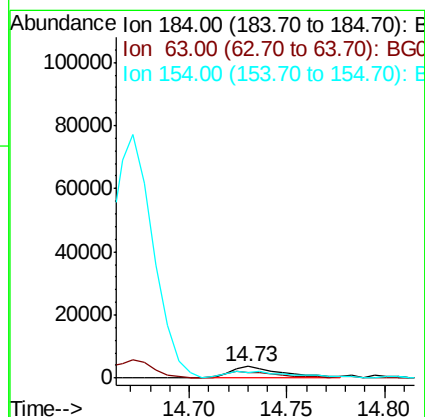
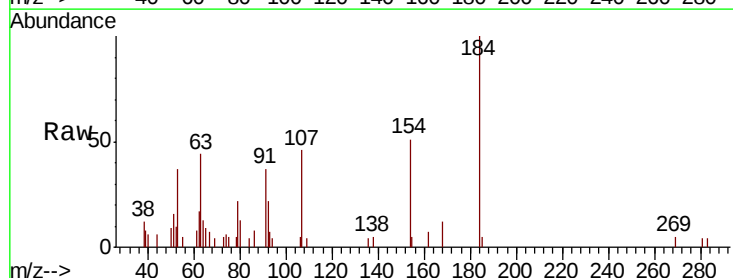
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

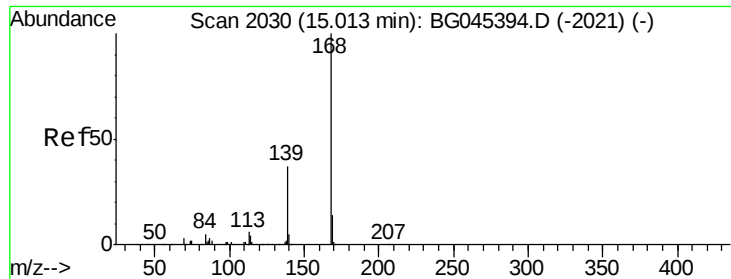
Tot Ion:138 Resp: 37475
 Ion Ratio Lower Upper
 138 100
 108 11.9 9.8 14.6
 92 119.2 103.0 154.4



#54
 2,4-Dinitrophenol
 Concen: 3.028 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:184 Resp: 6853
 Ion Ratio Lower Upper
 184 100
 63 44.5 47.8 71.6#
 154 51.2 58.3 87.5#

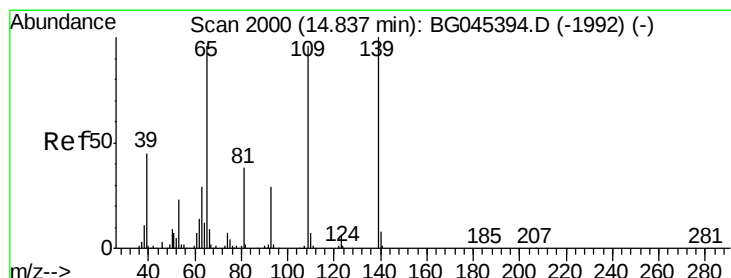
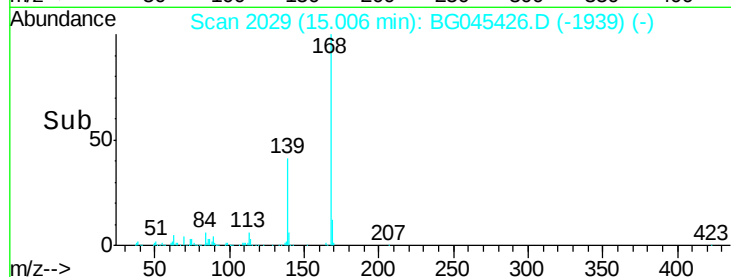
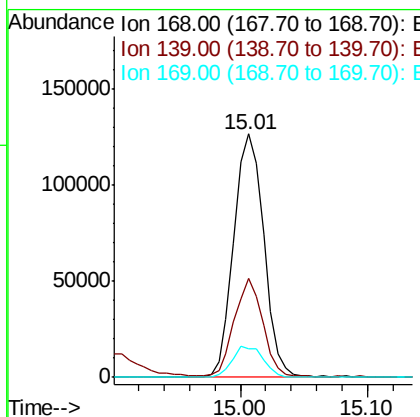
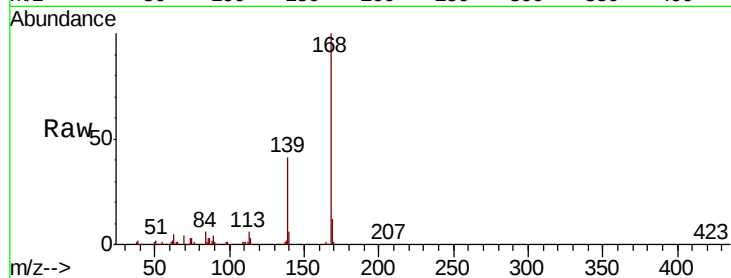




#55
Dibenzenofuran
Concen: 10.356 ng
RT: 15.01 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

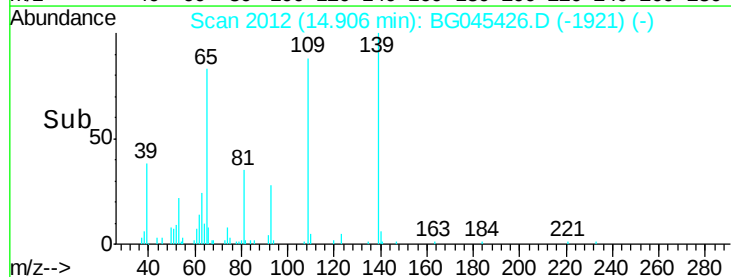
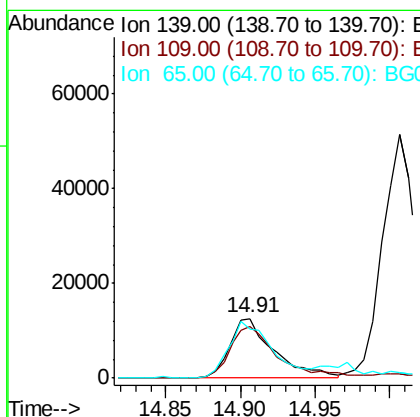
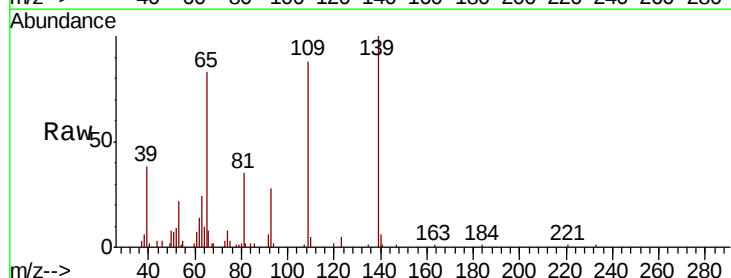
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

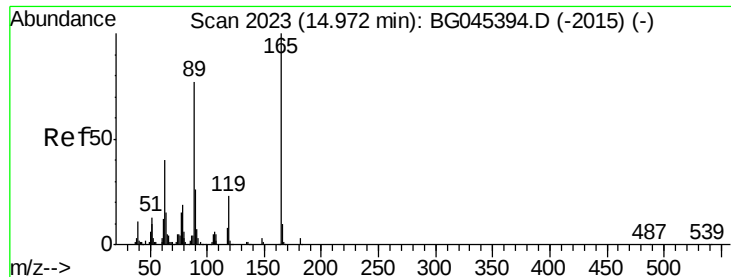
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	29.9	44.9
169	11.9	10.9	16.3



#56
4-Nitrophenol
Concen: 8.668 ng
RT: 14.91 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.8	75.6	115.6
65	83.1	76.8	116.8

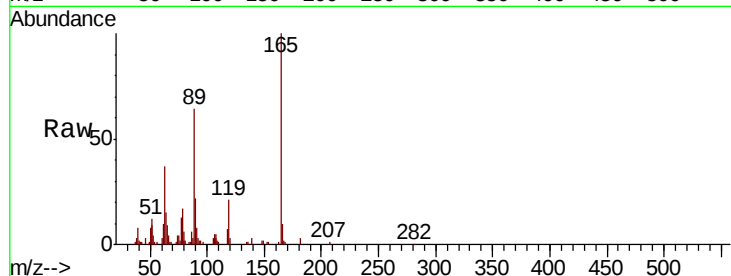




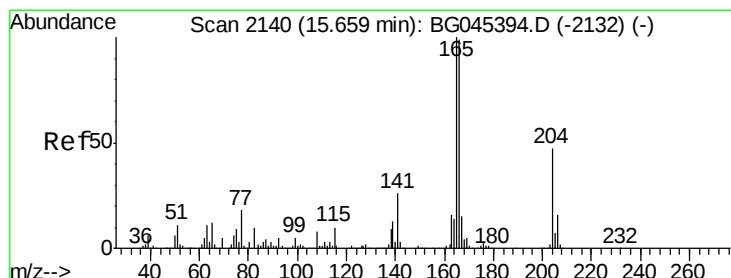
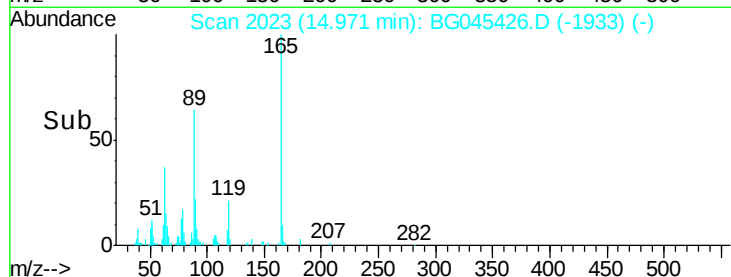
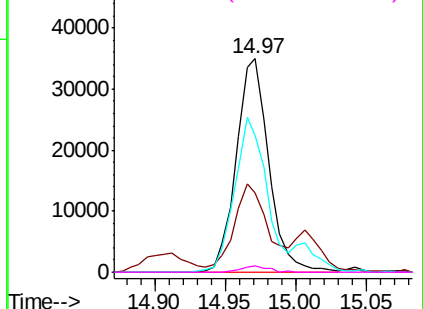
#57
2,4-Dinitrotoluene
Concen: 10.021 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:165 Resp: 56556
Ion Ratio Lower Upper
165 100
63 37.4 32.5 48.7
89 63.8 61.8 92.6
182 2.8 2.3 3.5

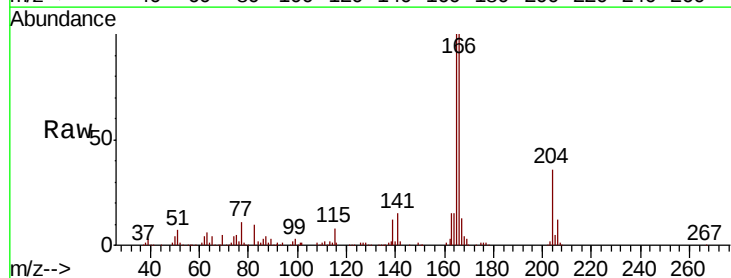


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

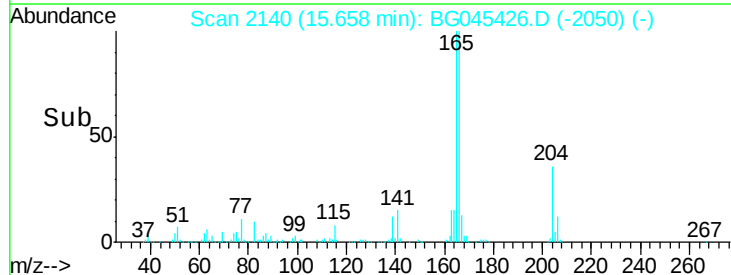
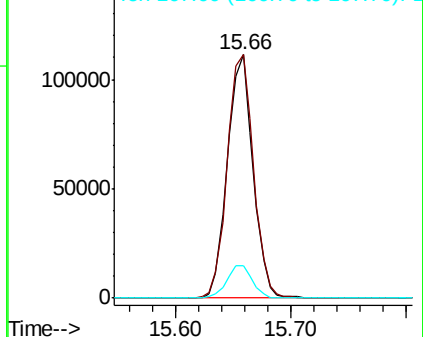


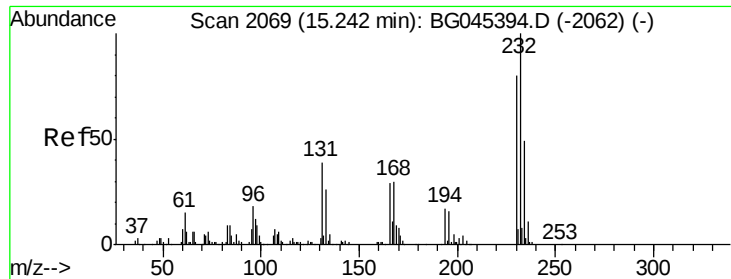
#58
Fluorene
Concen: 10.344 ng
RT: 15.66 min Scan# 2140
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:166 Resp: 170440
Ion Ratio Lower Upper
166 100
165 100.0 80.8 121.2
167 13.4 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

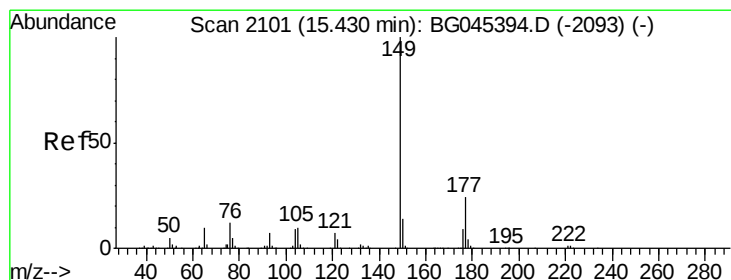
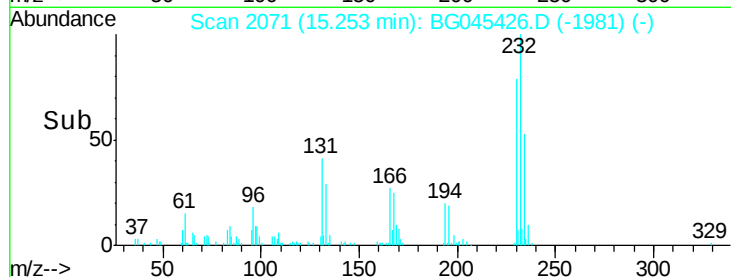
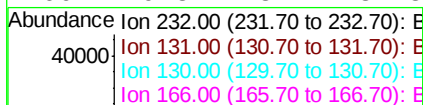
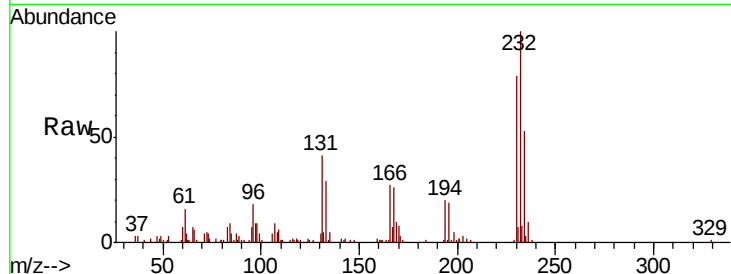




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.192 ng
 RT: 15.25 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

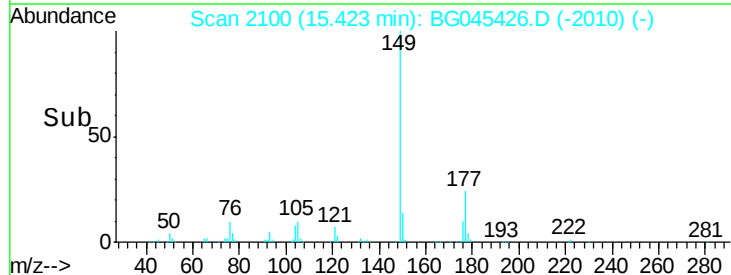
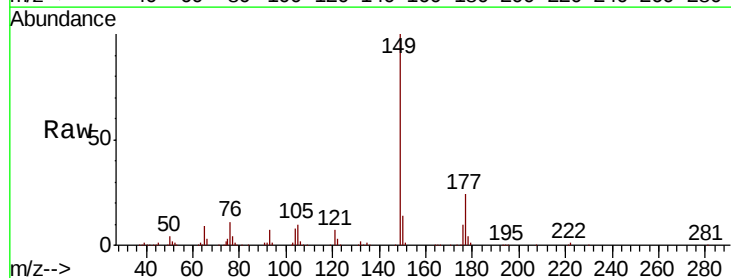
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

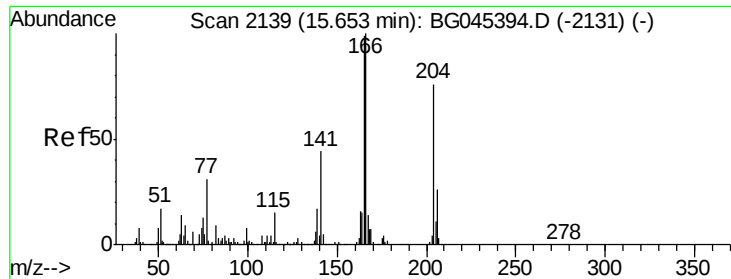
Tot Ion:232 Resp: 45142
 Ion Ratio Lower Upper
 232 100
 131 40.5 33.7 50.5
 130 2.9 2.1 3.1
 166 29.8 23.2 34.8



#60
 Diethylphthalate
 Concen: 10.337 ng
 RT: 15.42 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:149 Resp: 185797
 Ion Ratio Lower Upper
 149 100
 177 24.4 19.0 28.4
 150 13.9 11.4 17.0

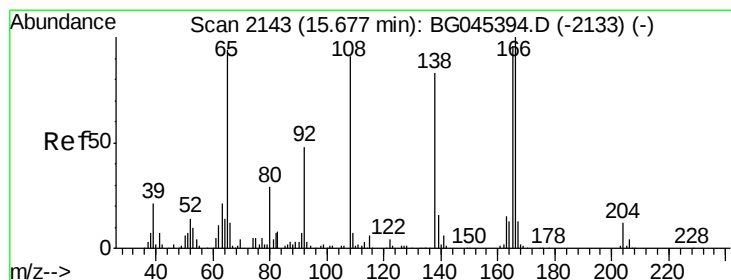
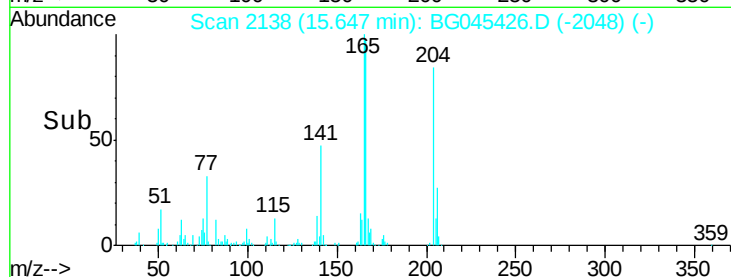
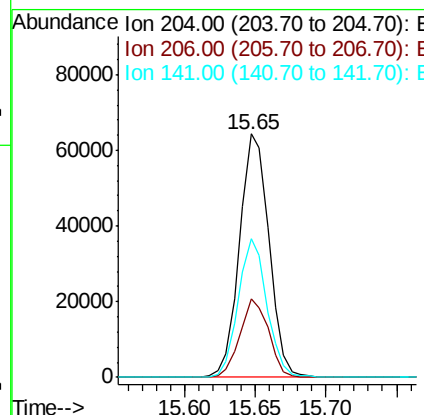
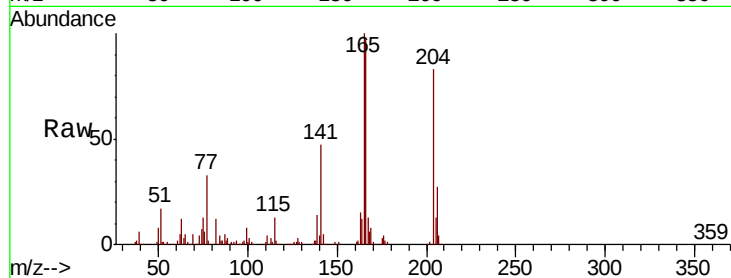




#61
 4-Chlorophenyl-phenylether
 Concen: 9.968 ng
 RT: 15.65 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

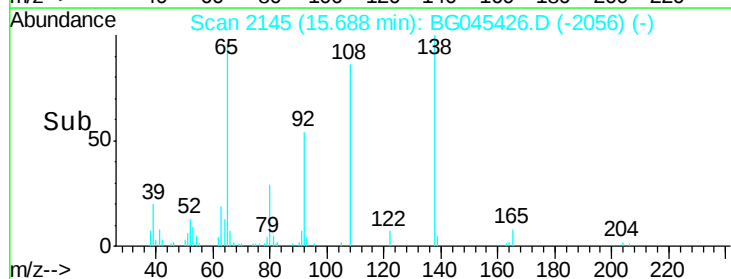
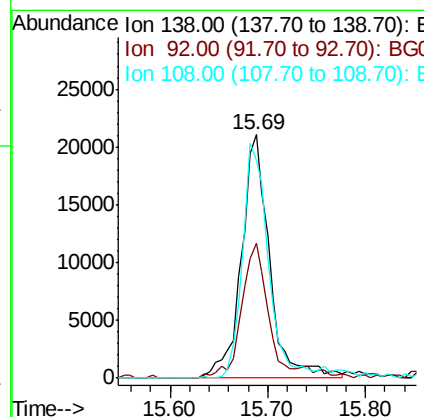
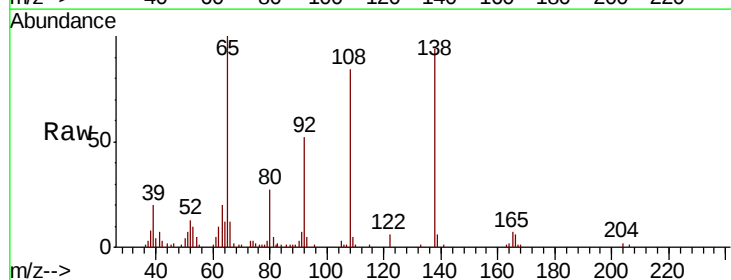
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

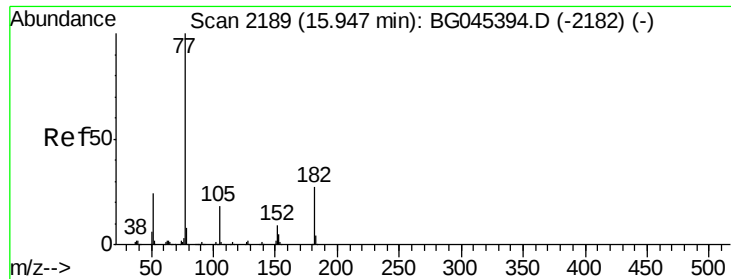
Tot Ion:204 Resp: 93982
 Ion Ratio Lower Upper
 204 100
 206 32.5 27.3 40.9
 141 56.7 45.9 68.9



#62
 4-Nitroaniline
 Concen: 10.270 ng
 RT: 15.69 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion:138 Resp: 42471
 Ion Ratio Lower Upper
 138 100
 92 55.2 38.0 78.0
 108 89.5 89.3 129.3





#63

Azobenzene

Concen: 10.304 ng

RT: 15.94 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 77 Resp: 172705

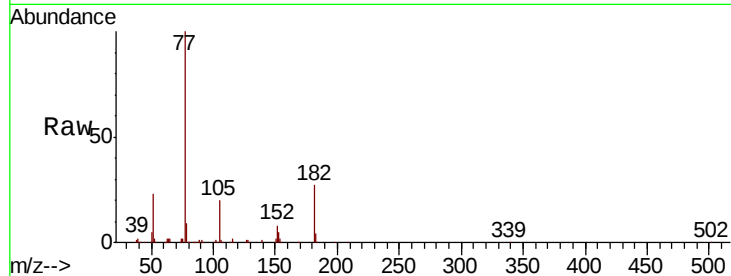
Ion Ratio Lower Upper

77 100

182 26.6 6.5 46.5

105 19.8 0.0 37.9

51 22.8 4.1 44.1

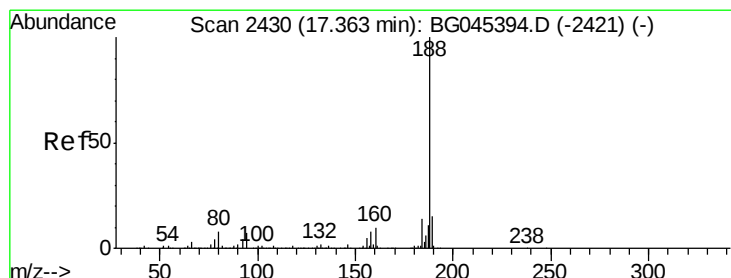
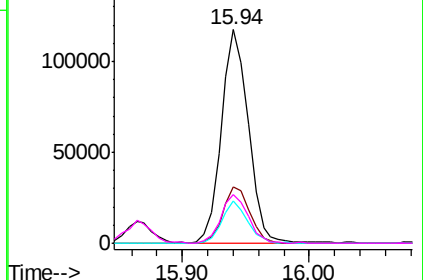
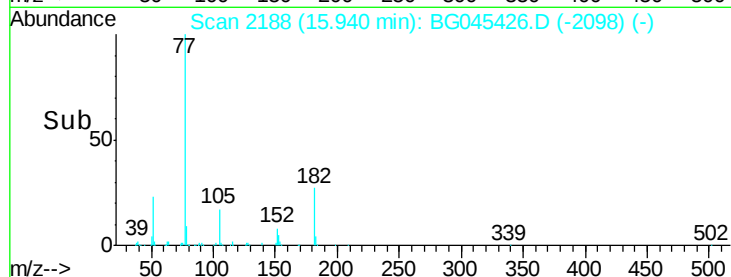


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.36 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

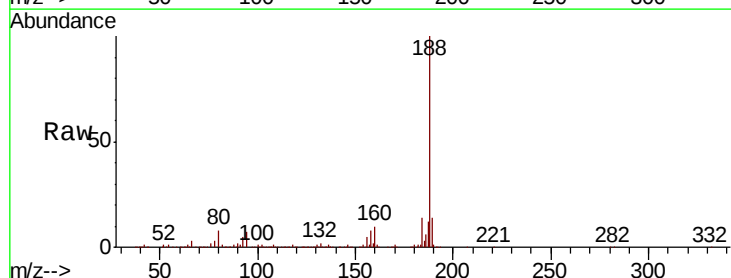
Tgt Ion: 188 Resp: 606877

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

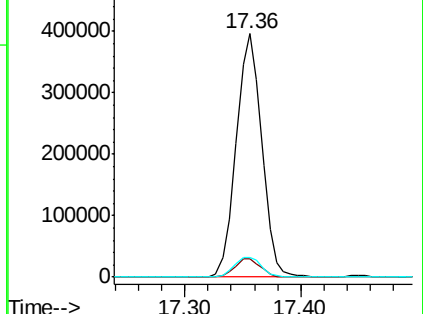
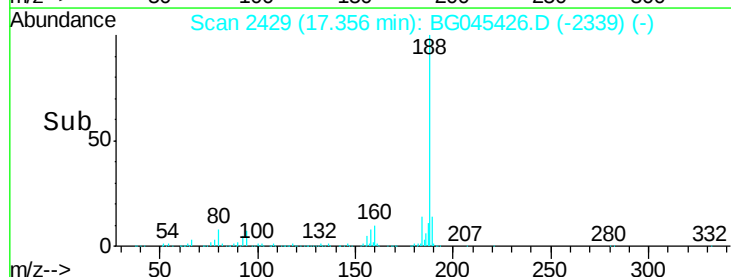
80 8.3 6.6 10.0

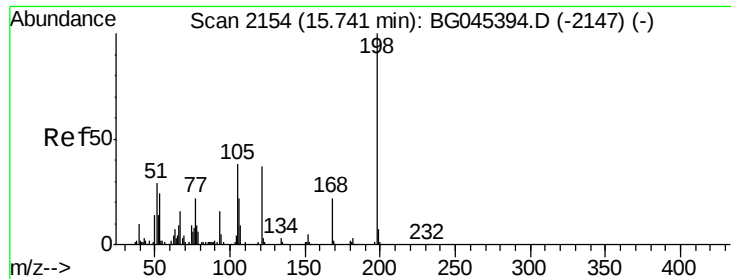


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.814 ng

RT: 15.73 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

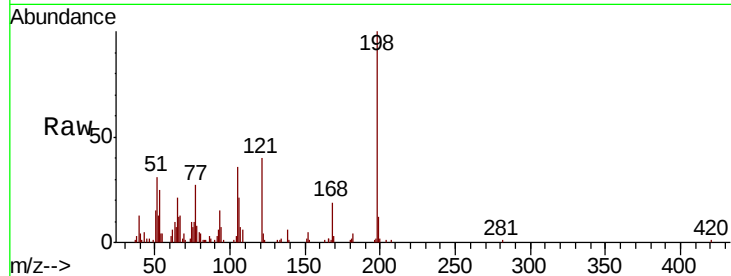
Tot Ion:198 Resp: 27617

Ion	Ratio	Lower	Upper
198	100		
51	31.1	10.0	50.0
105	36.3	18.9	58.9

198 100

51 31.1 10.0 50.0

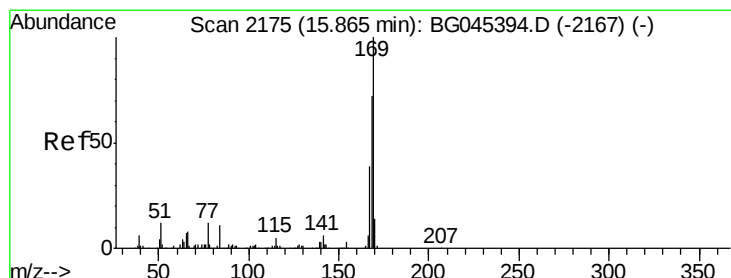
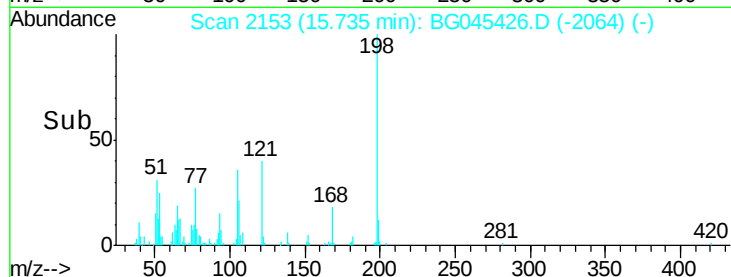
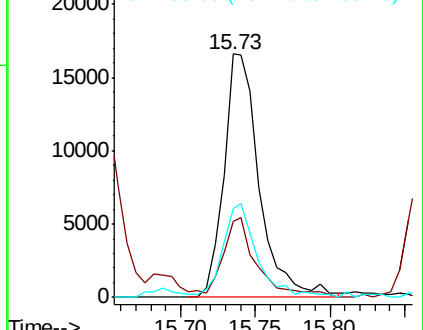
105 36.3 18.9 58.9



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: 10.525 ng

RT: 15.86 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

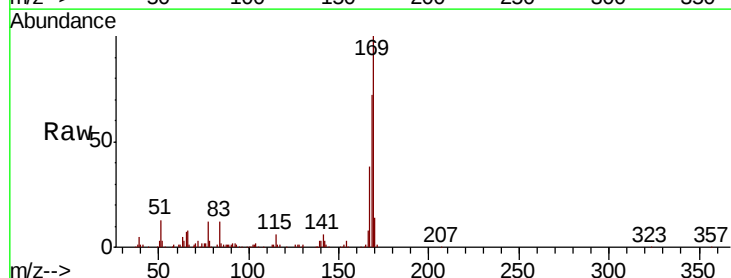
Tgt Ion:169 Resp: 153367

Ion	Ratio	Lower	Upper
169	100		
168	72.4	57.8	86.6
167	38.2	31.5	47.3

169 100

168 72.4 57.8 86.6

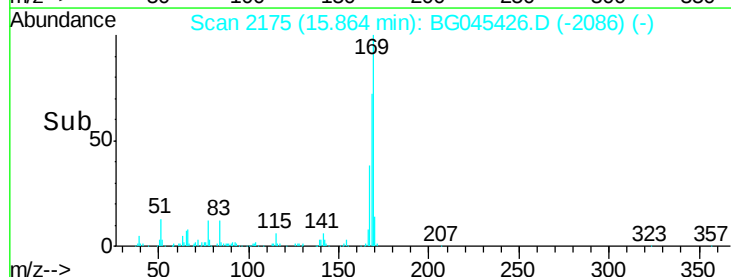
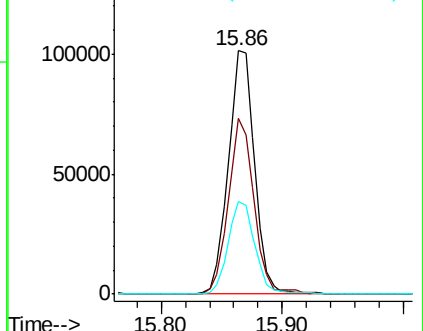
167 38.2 31.5 47.3

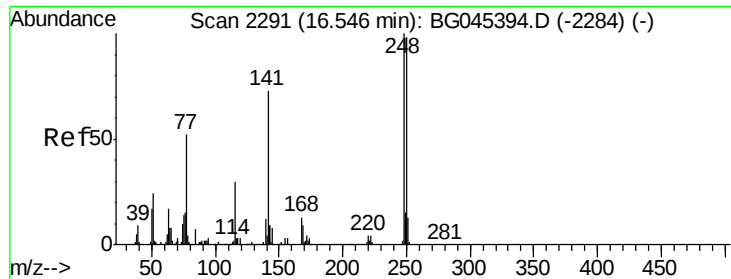


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

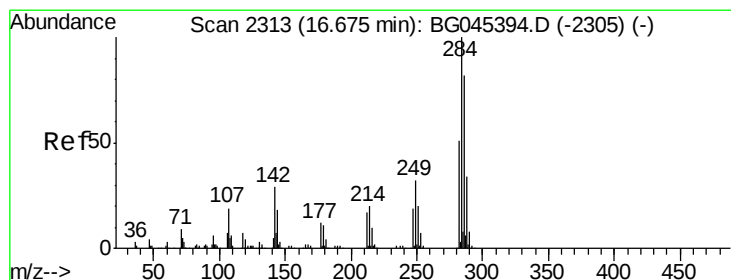
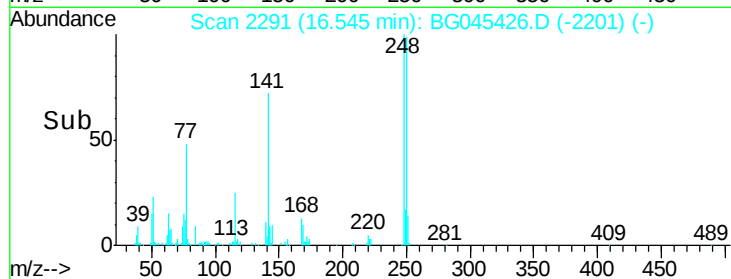
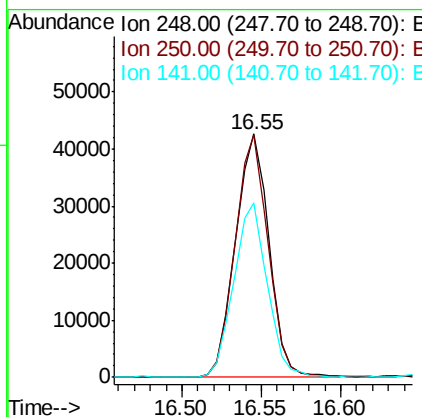
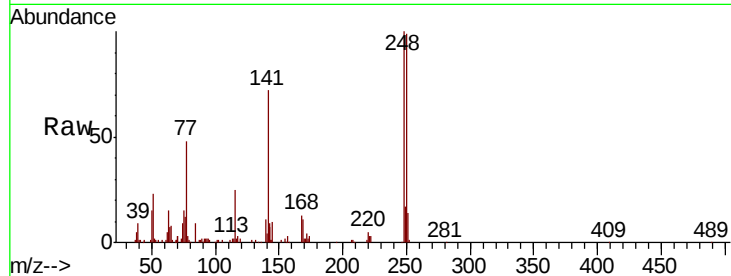




#67
4-Bromophenyl-phenylether
Concen: 9.488 ng
RT: 16.55 min Scan# 2291
Delta R.T. -0.00 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

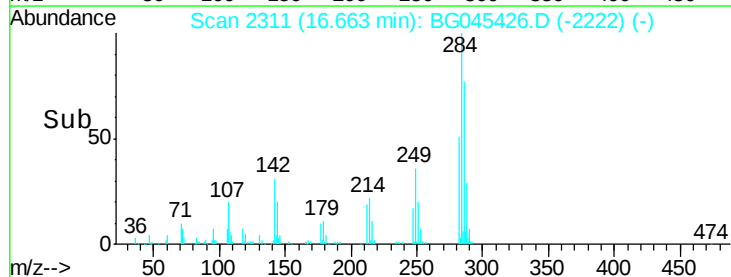
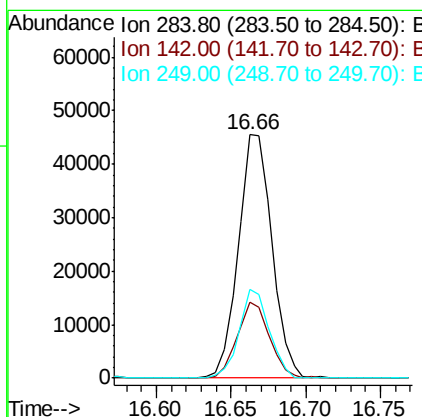
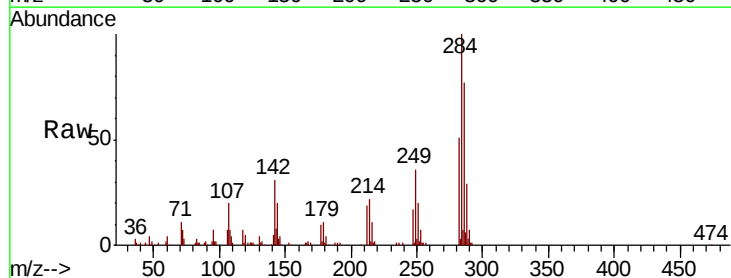
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2020

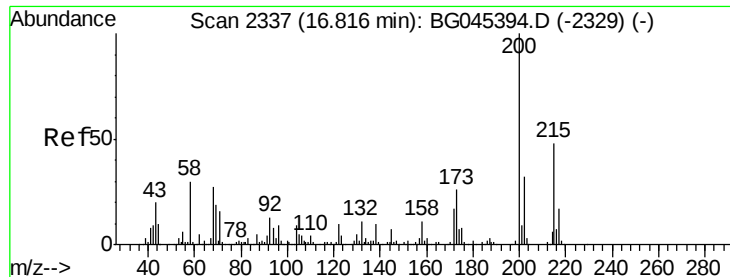
Tot Ion:248 Resp: 62350
Ion Ratio Lower Upper
248 100
250 99.3 78.6 117.8
141 71.5 58.2 87.2



#68
Hexachlorobenzene
Concen: 10.300 ng
RT: 16.66 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BG045426.D
Acq: 19 May 2020 16:06

Tgt Ion:284 Resp: 70791
Ion Ratio Lower Upper
284 100
142 31.2 23.0 34.6
249 36.2 25.8 38.6





#69

Atrazine

Concen: 10.345 ng

RT: 16.82 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

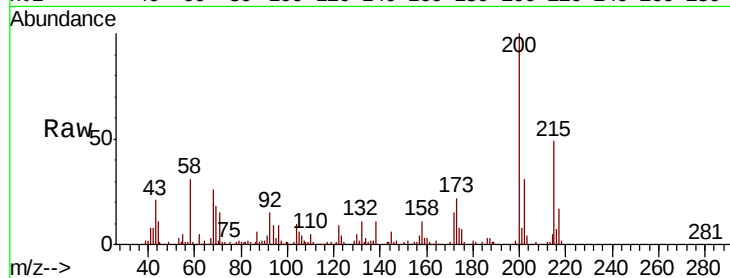
Tot Ion:200 Resp: 62085

Ion Ratio Lower Upper

200 100

173 22.3 5.5 45.5

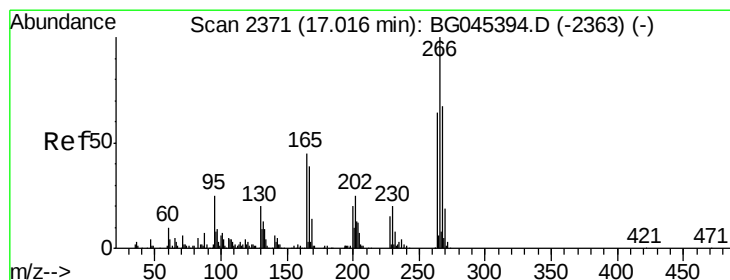
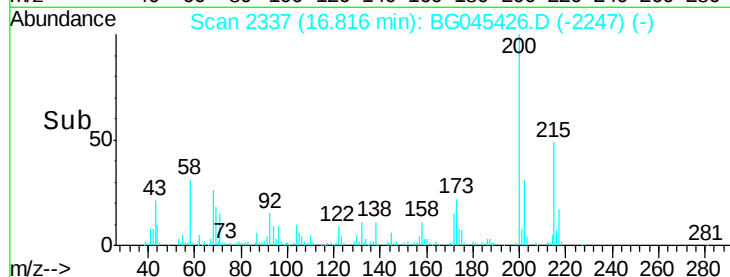
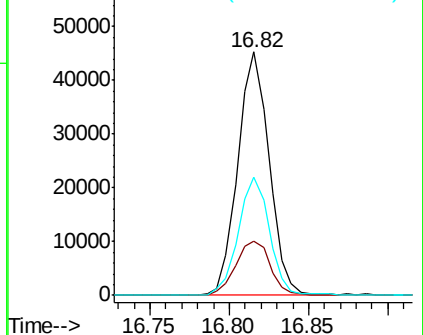
215 48.7 28.2 68.2



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: 3.824 ng

RT: 17.03 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

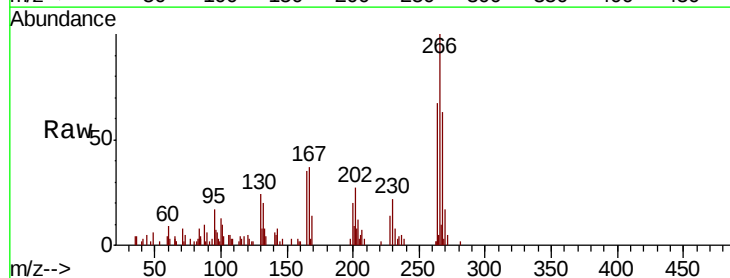
Tgt Ion:266 Resp: 13649

Ion Ratio Lower Upper

266 100

268 63.4 53.2 79.8

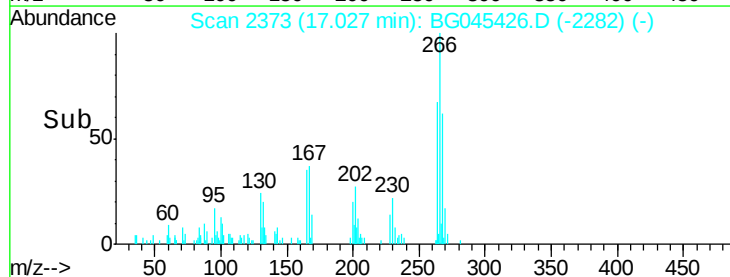
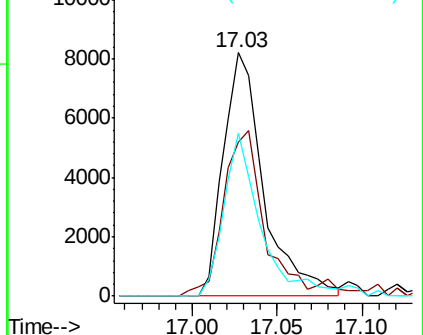
264 67.0 51.0 76.4

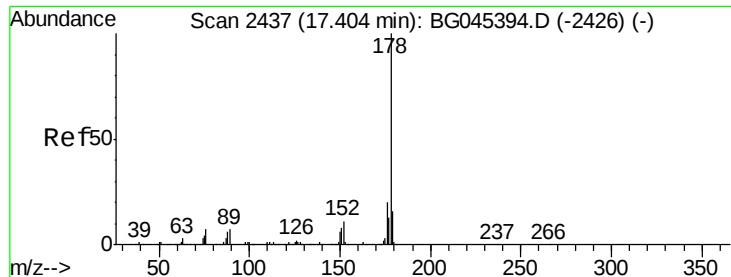


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 10.870 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

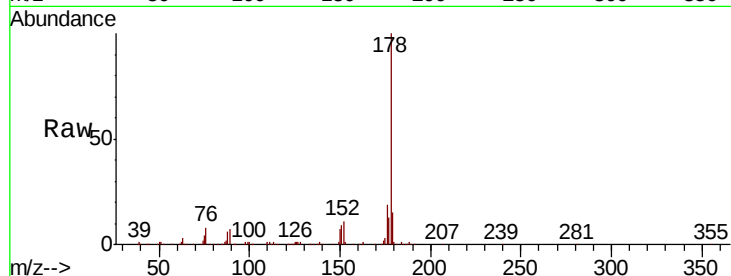
Tot Ion:178 Resp: 287982

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

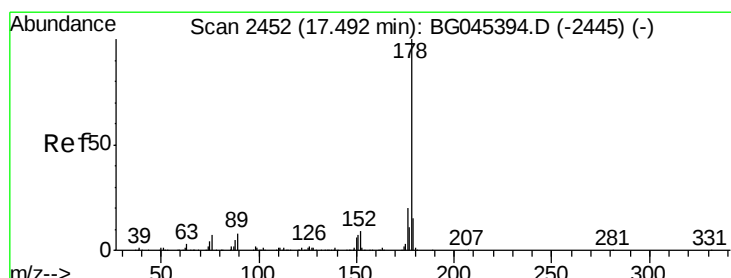
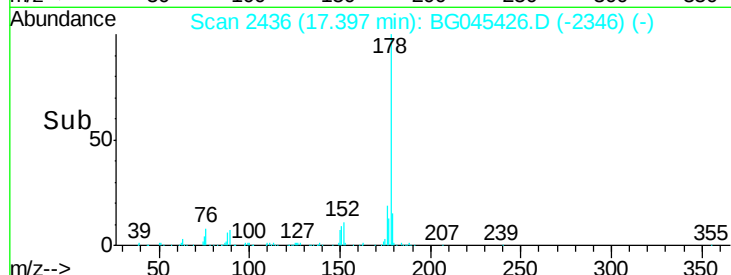
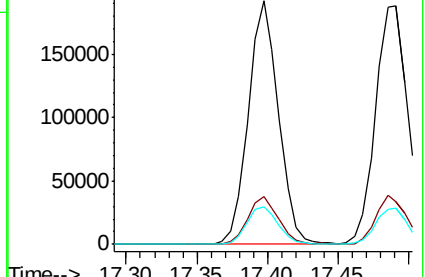
179 15.3 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 11.400 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

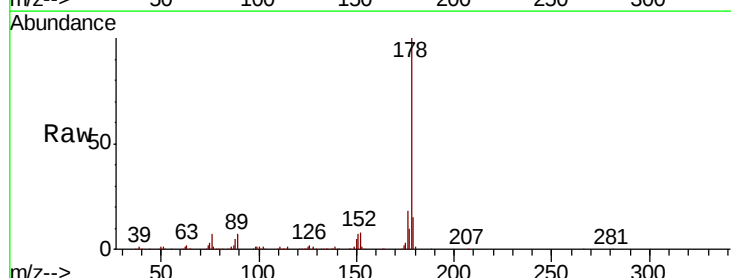
Tgt Ion:178 Resp: 303294

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.6

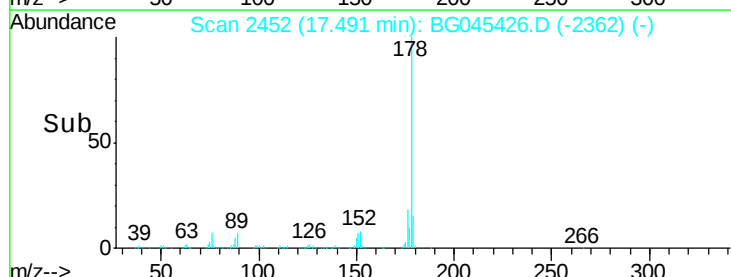
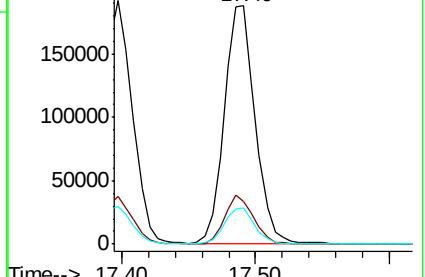
179 15.2 12.2 18.4

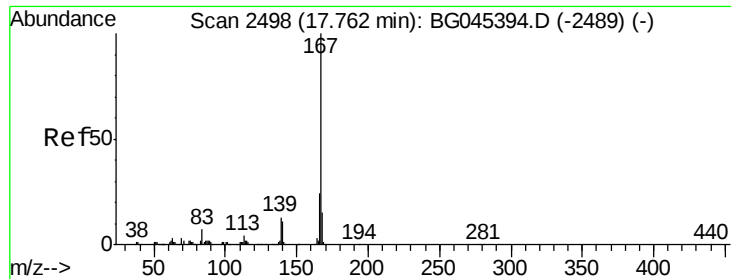


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

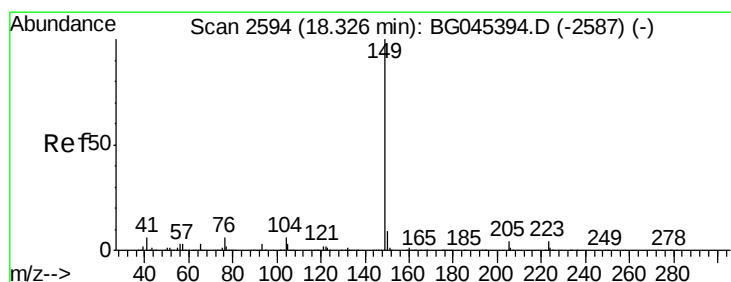
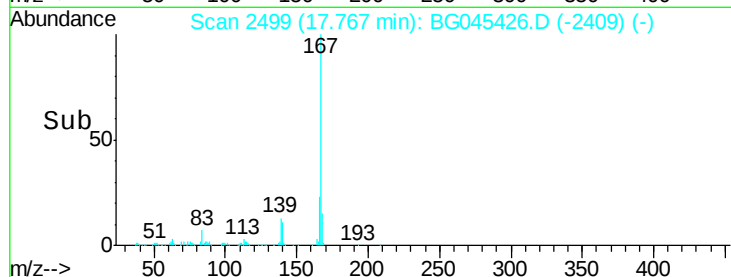
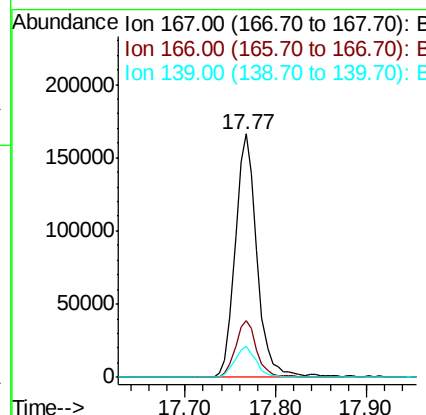
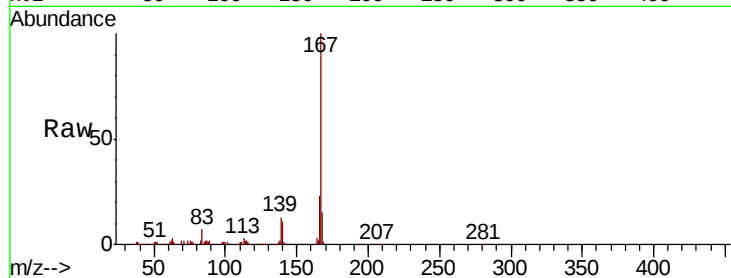




#73
 Carbazole
 Concen: 10.752 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

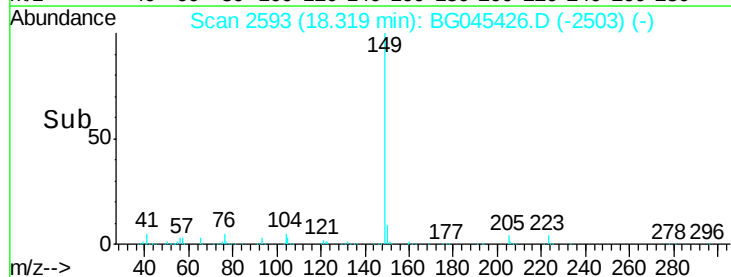
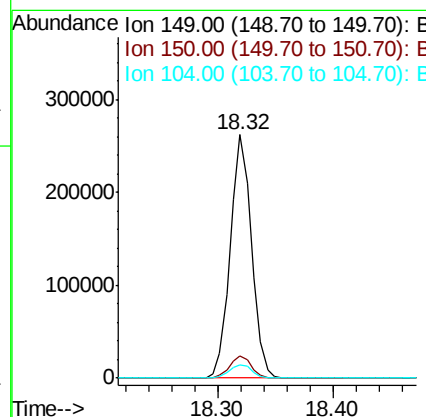
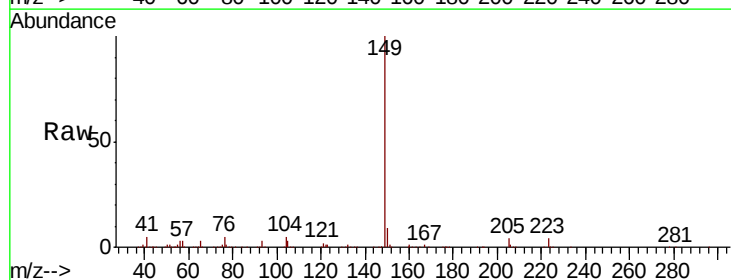
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

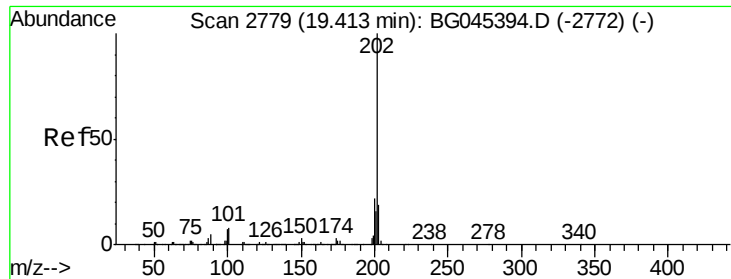
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	19.2	28.8
139	12.8	10.6	16.0



#74
 Di-n-butylphthalate
 Concen: 10.716 ng
 RT: 18.32 min Scan# 2593
 Delta R.T. -0.00 min
 Lab File: BG045426.D
 Acq: 19 May 2020 16:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.6	11.4
104	5.4	5.0	7.4





#75

Fluoranthene

Concen: 11.459 ng

RT: 19.41 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

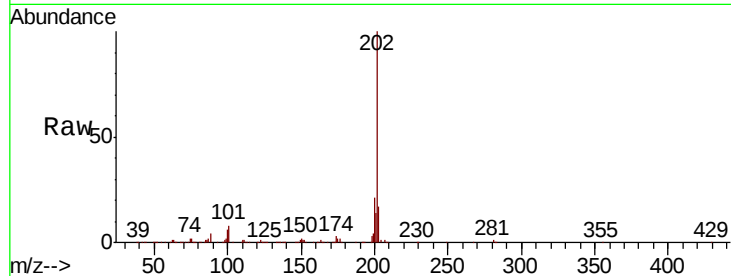
Tot Ion:202 Resp: 386158

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.3

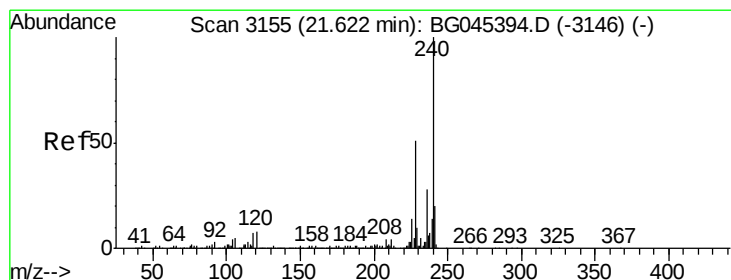
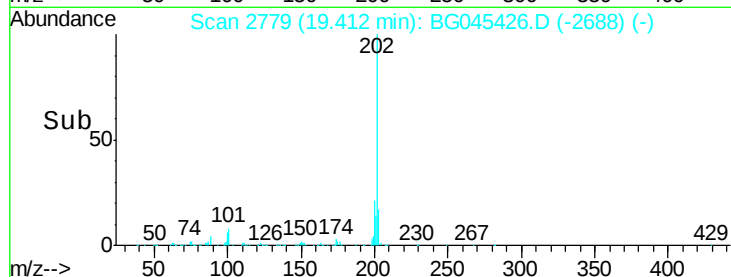
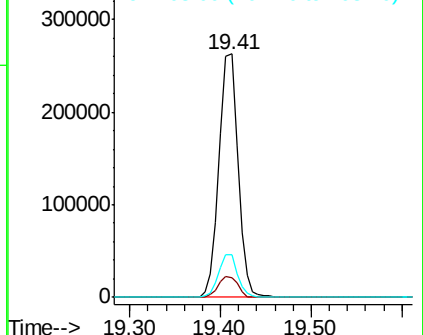
203 17.3 0.0 39.0



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: 21.61 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

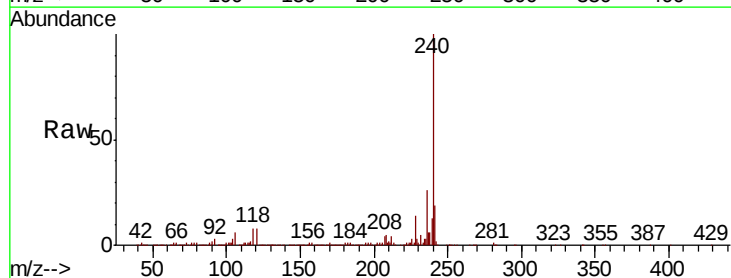
Tgt Ion:240 Resp: 602804

Ion Ratio Lower Upper

240 100

120 7.6 6.1 9.1

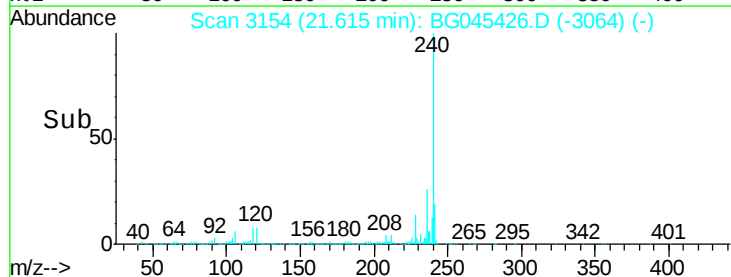
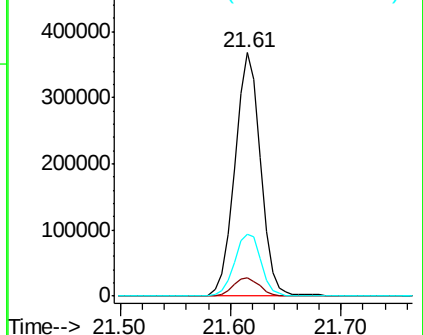
236 25.6 22.3 33.5

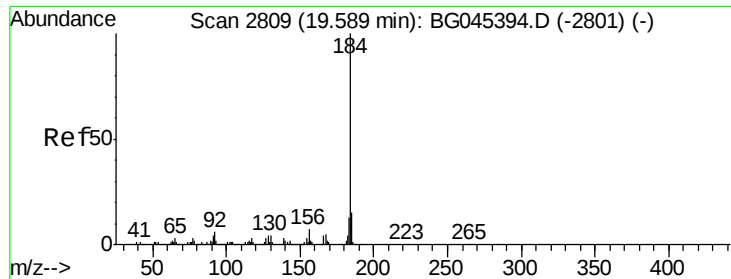


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.510 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

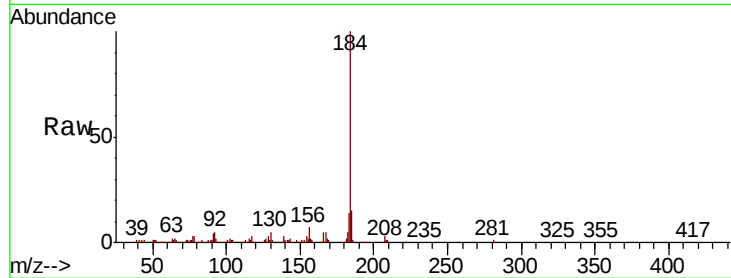
Tot Ion:184 Resp: 161002

Ion Ratio Lower Upper

184 100

185 14.7 11.7 17.5

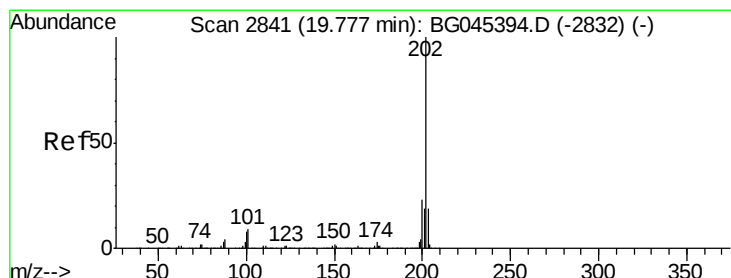
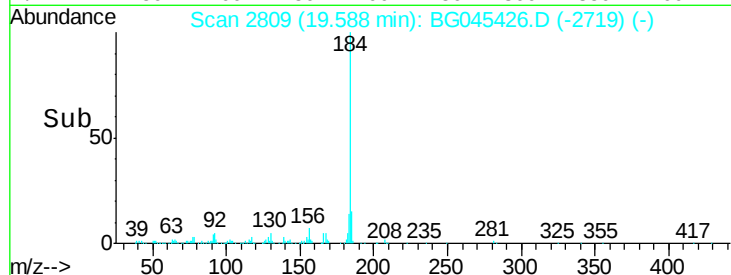
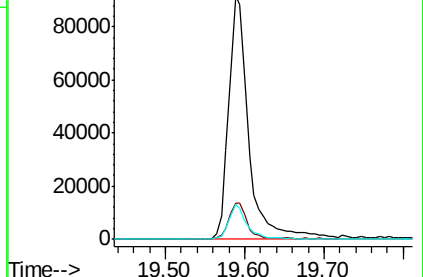
183 14.1 10.2 15.4



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: 11.304 ng

RT: 19.76 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

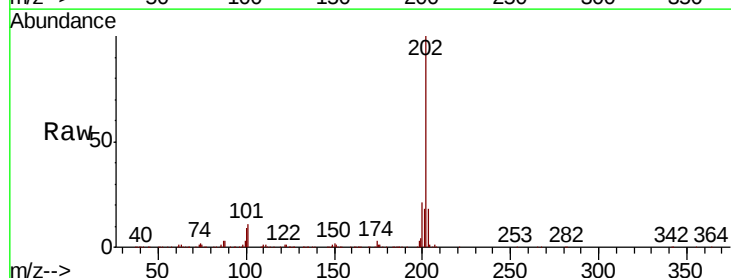
Tgt Ion:202 Resp: 388426

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.2

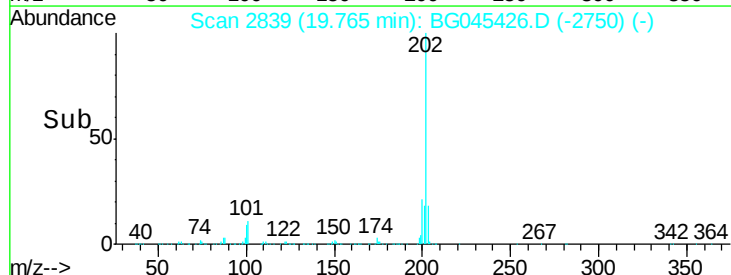
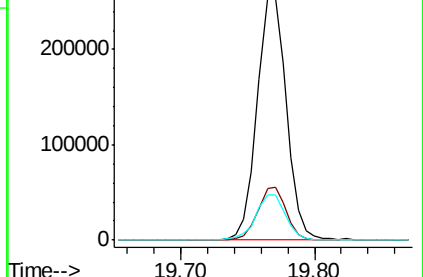
203 18.4 15.1 22.7

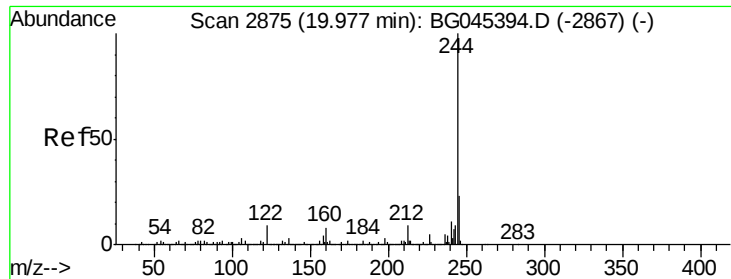


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 95.466 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

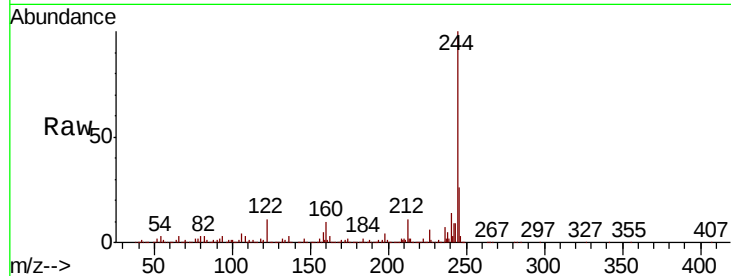
Tot Ion:244 Resp: 2467402

Ion Ratio Lower Upper

244 100

212 10.8 7.4 11.0

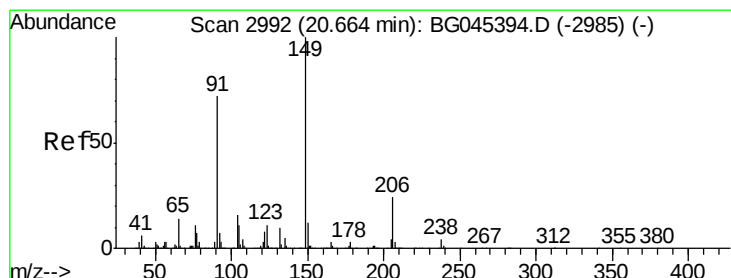
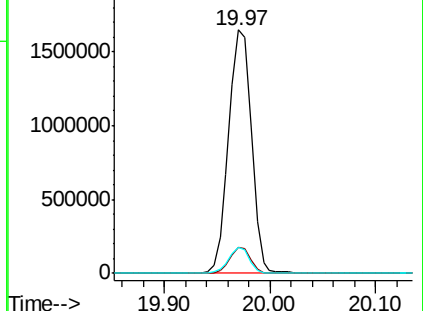
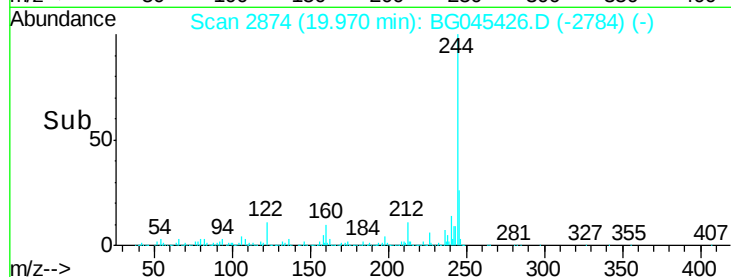
122 10.5 6.8 10.2#



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: 10.058 ng

RT: 20.66 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

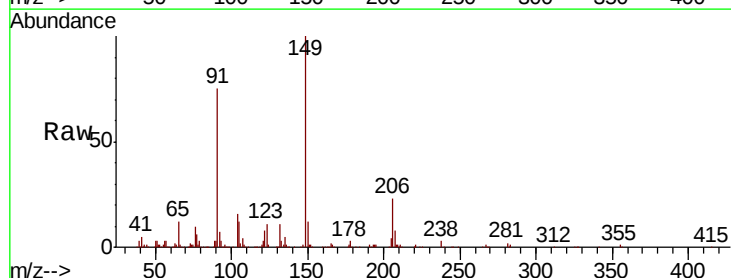
Tgt Ion:149 Resp: 149184

Ion Ratio Lower Upper

149 100

91 74.9 57.8 86.6

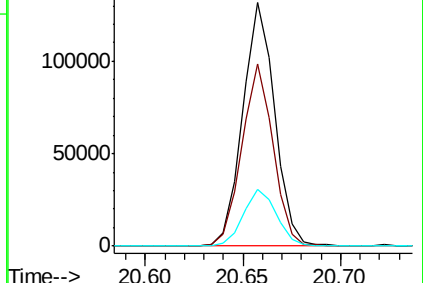
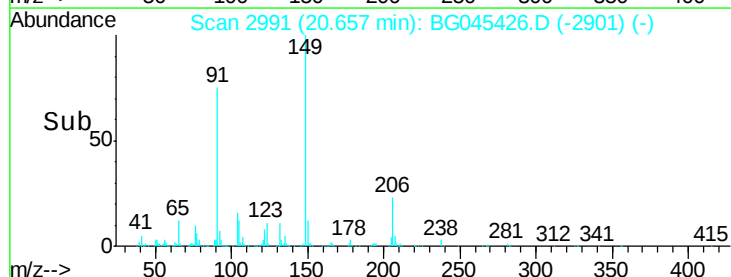
206 23.1 19.1 28.7

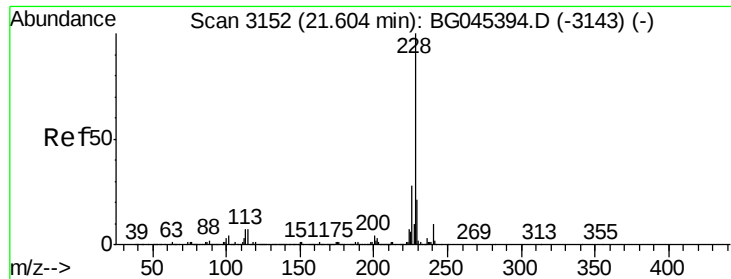


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 10.802 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

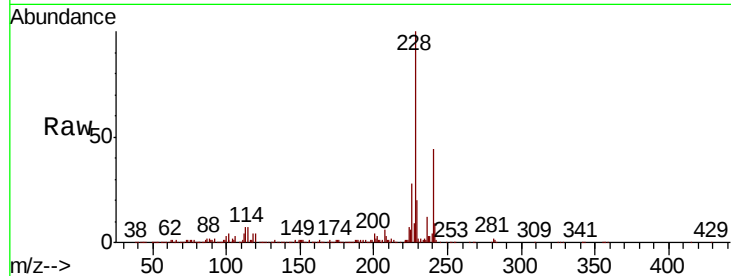
Tot Ion:228 Resp: 362742

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

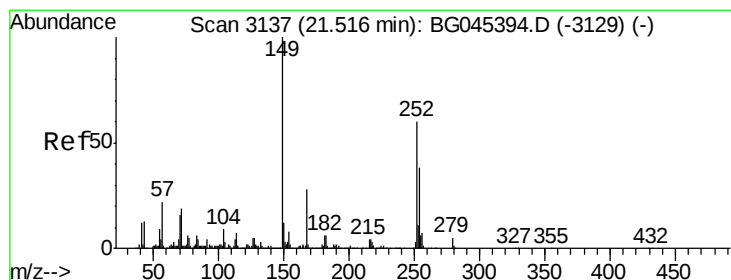
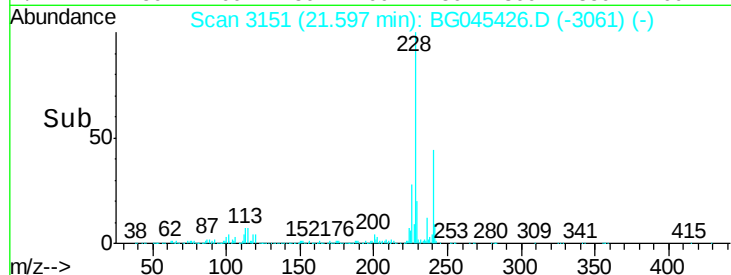
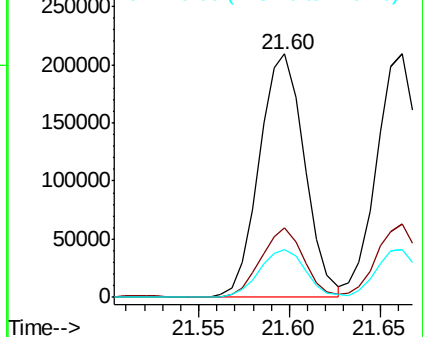
229 19.6 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 11.061 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

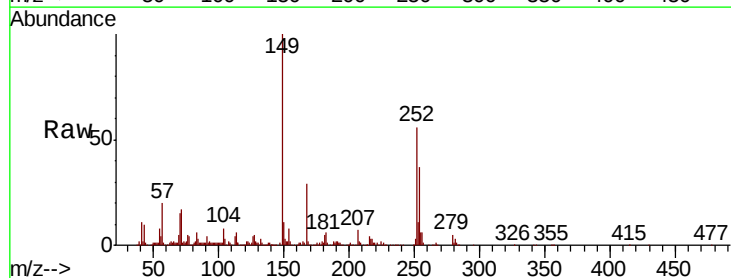
Tgt Ion:252 Resp: 145700

Ion Ratio Lower Upper

252 100

254 67.3 51.3 76.9

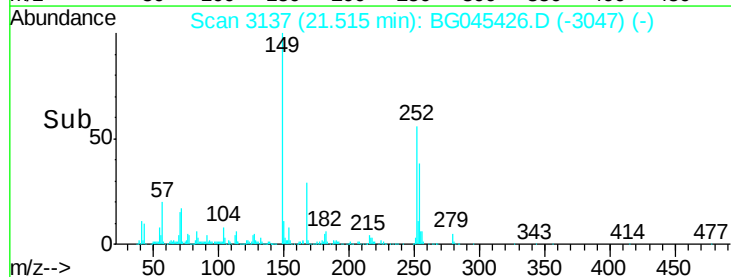
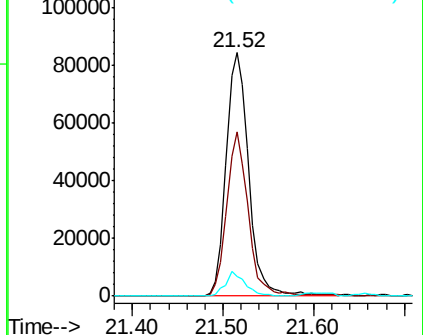
126 8.0 6.6 10.0

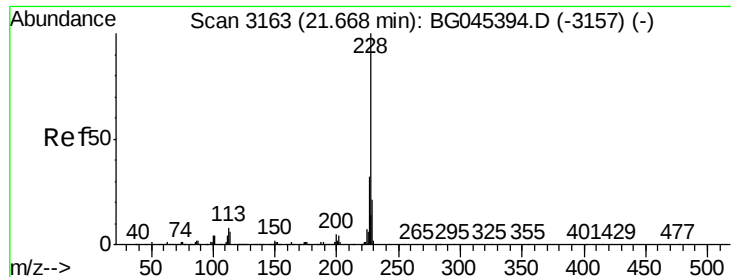


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 10.819 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

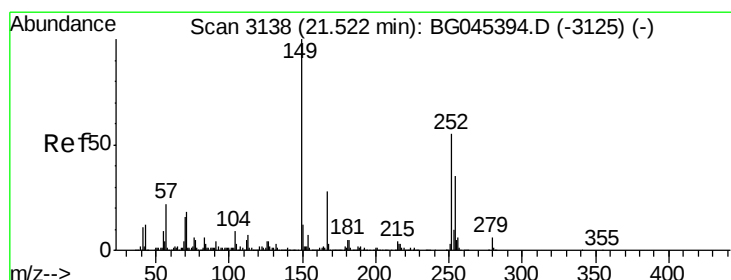
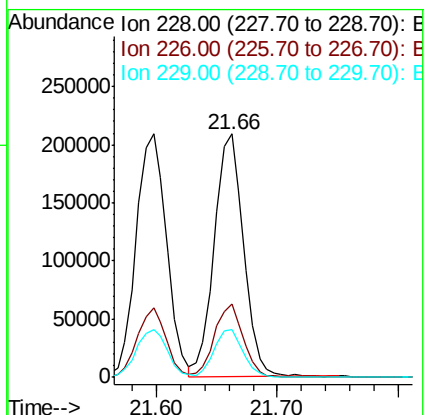
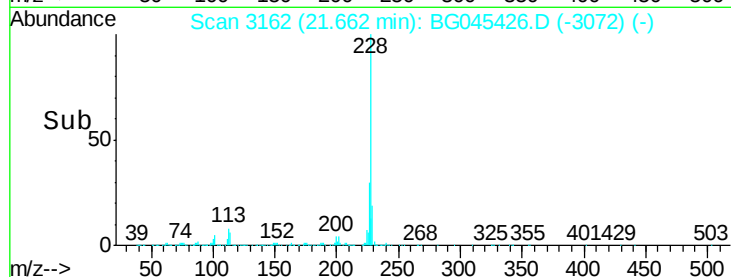
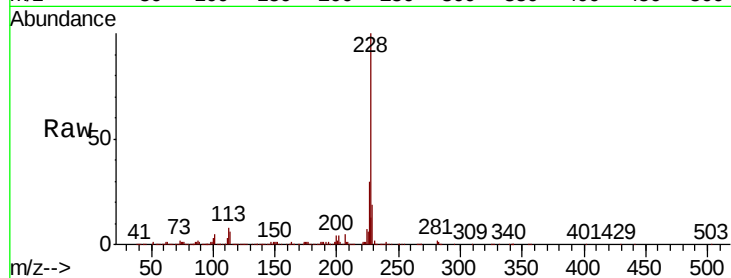
Tot Ion:228 Resp: 349316

Ion Ratio Lower Upper

228 100

226 30.1 25.2 37.8

229 19.4 16.7 25.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.361 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

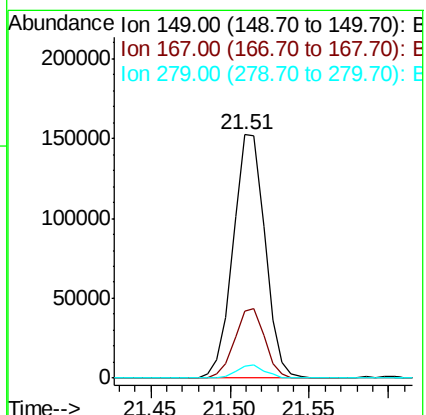
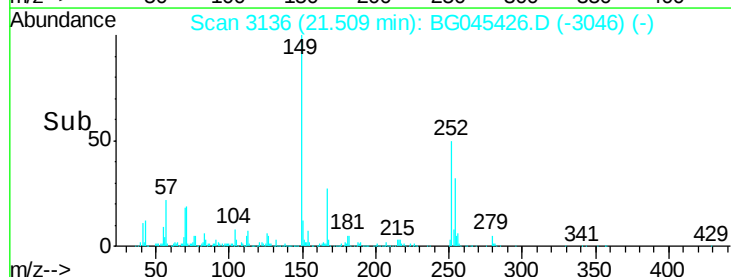
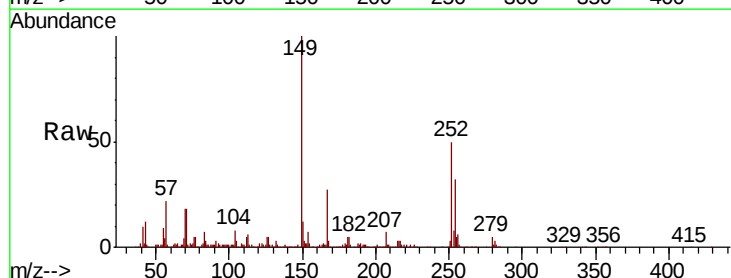
Tgt Ion:149 Resp: 211253

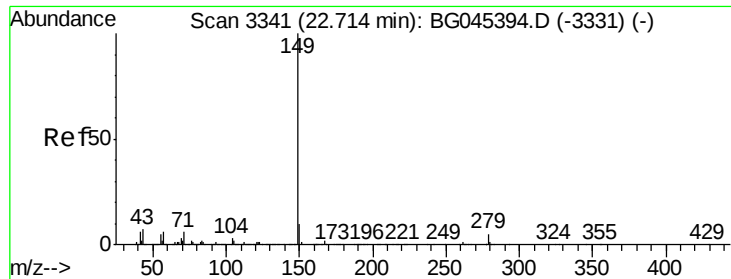
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.2

279 4.9 4.7 7.1





#85

Di-n-octyl phthalate

Concen: 10.327 ng

RT: 22.70 min Scan# 3339

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

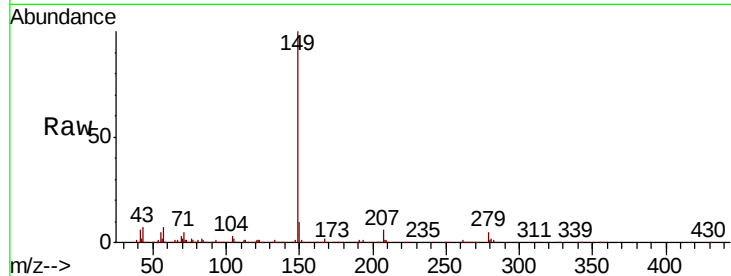
Tot Ion:149 Resp: 361614

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

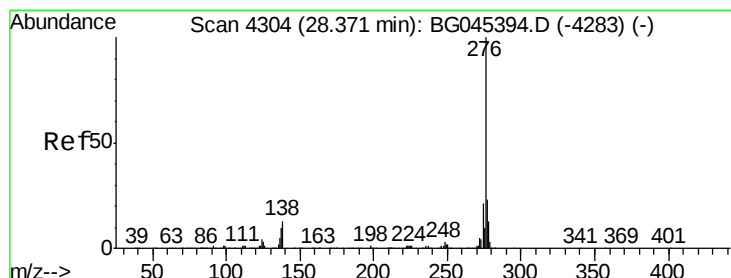
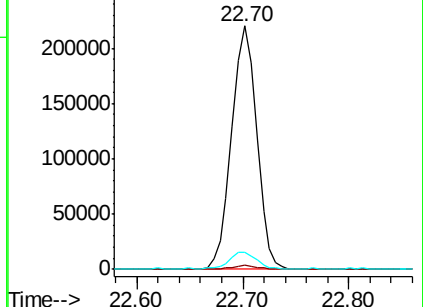
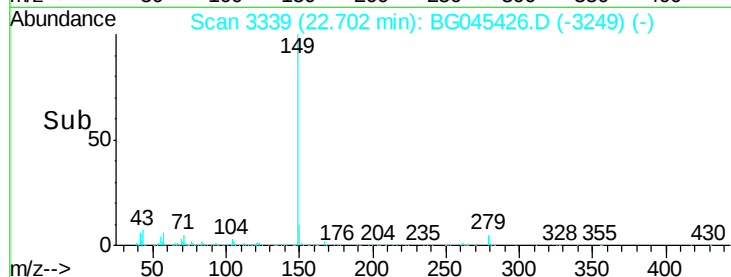
43 7.2 5.8 8.8



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

Indeno(1,2,3-cd)pyrene

Concen: 9.921 ng

RT: 28.34 min Scan# 4299

Delta R.T. -0.02 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

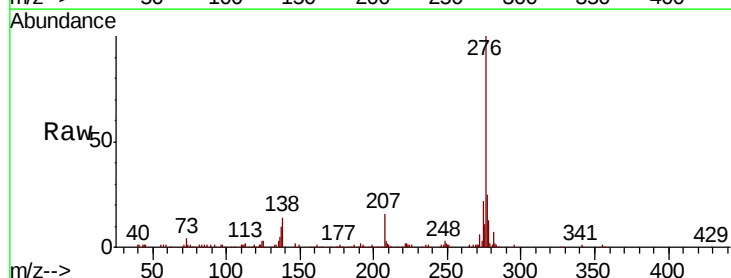
Tgt Ion:276 Resp: 418902

Ion Ratio Lower Upper

276 100

138 12.6 8.6 12.8

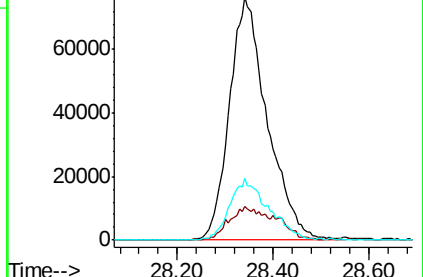
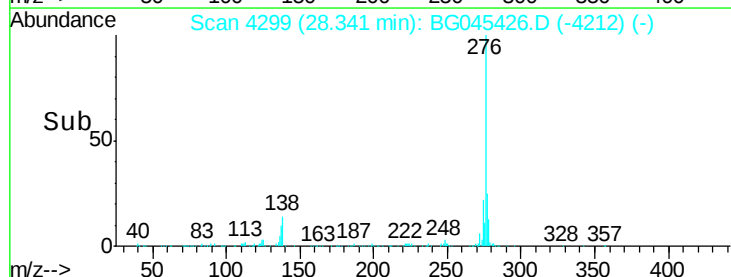
277 25.7 20.2 30.4

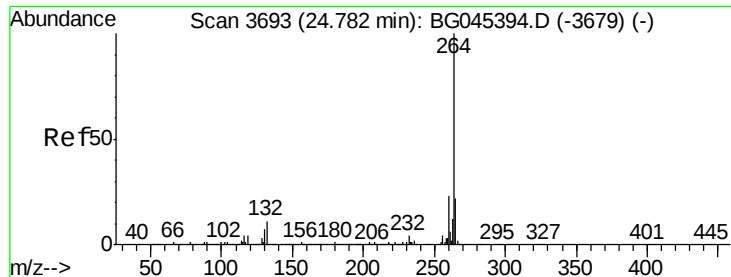


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.00 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

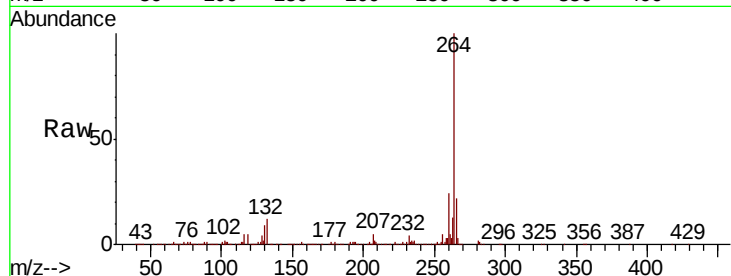
Tot Ion:264 Resp: 645512

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

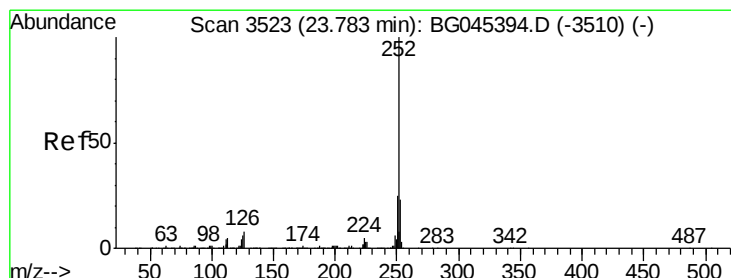
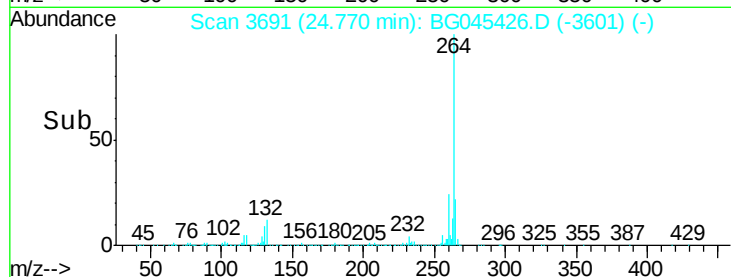
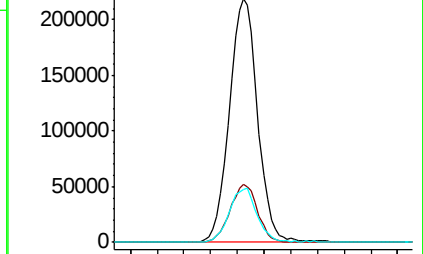
265 21.8 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 10.381 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

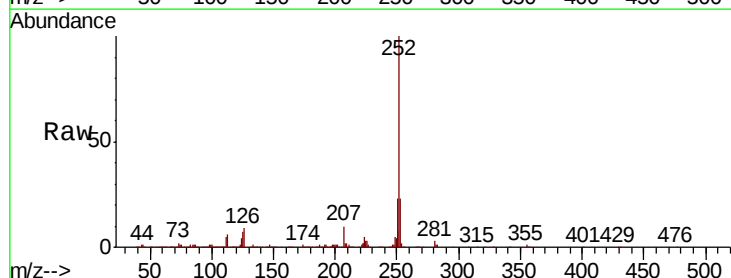
Tgt Ion:252 Resp: 359374

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

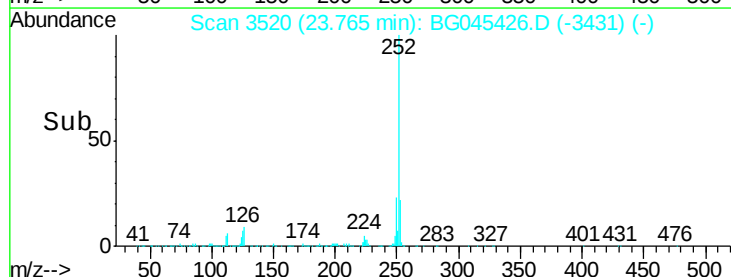
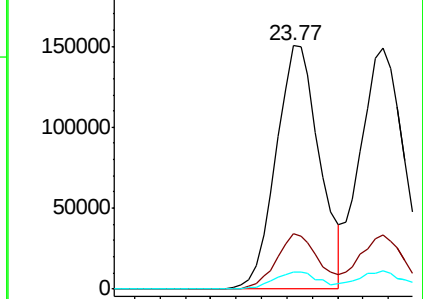
125 7.0 5.0 7.6

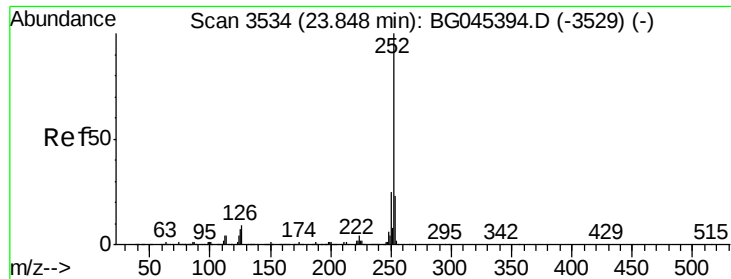


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.000 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

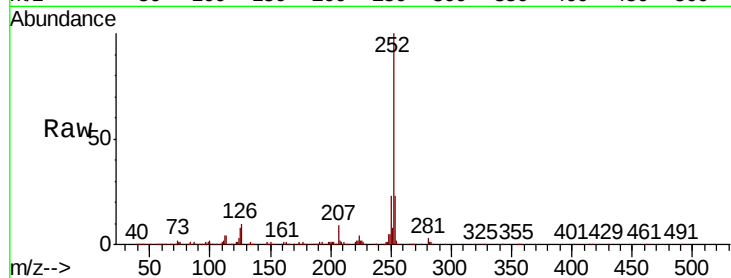
Tot Ion:252 Resp: 357770

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

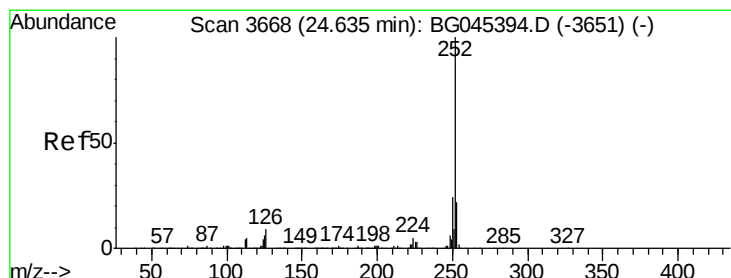
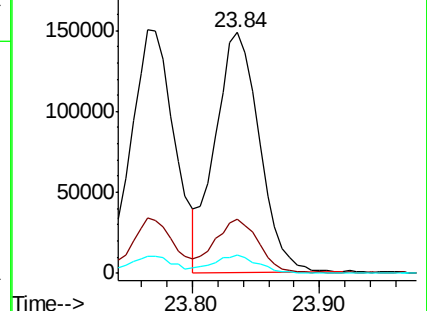
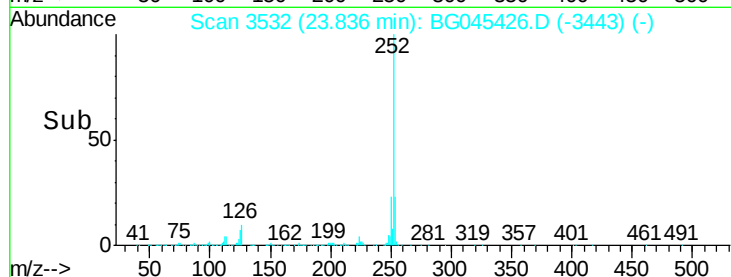
125 7.5 5.7 8.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 10.428 ng

RT: 24.62 min Scan# 3665

Delta R.T. -0.01 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

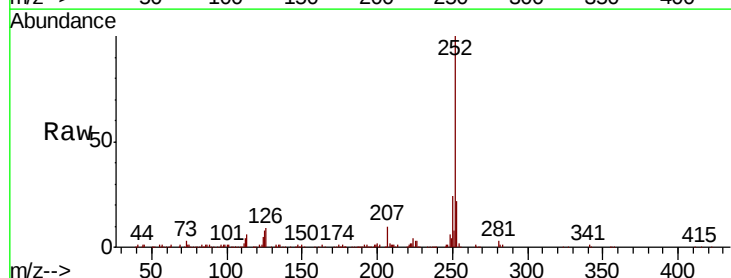
Tgt Ion:252 Resp: 336237

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

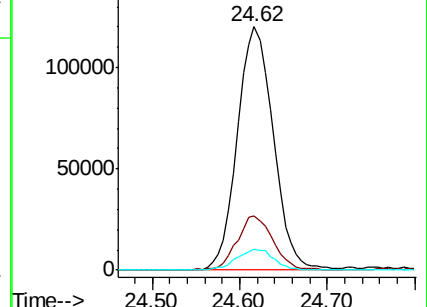
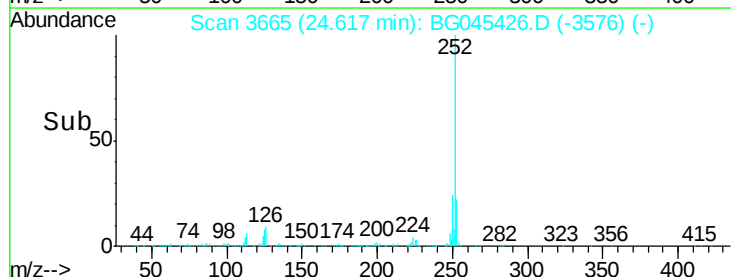
125 8.5 5.0 7.6#

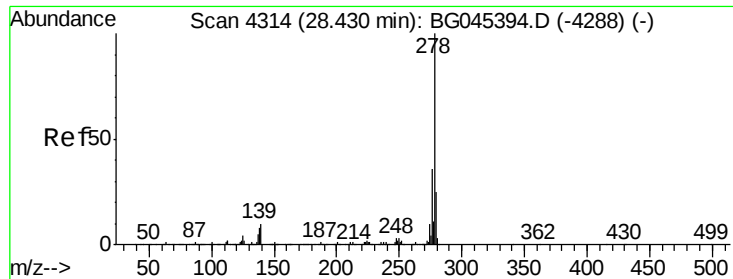


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 10.640 ng

RT: 28.41 min Scan# 4310

Delta R.T. -0.02 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2020

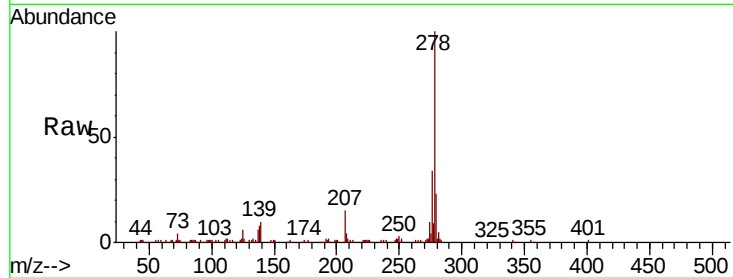
Tot Ion:278 Resp: 344754

Ion Ratio Lower Upper

278 100

139 10.2 7.8 11.8

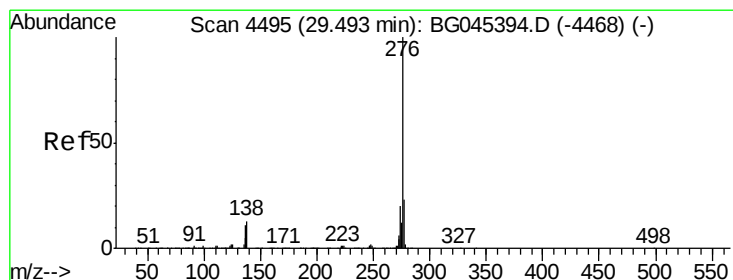
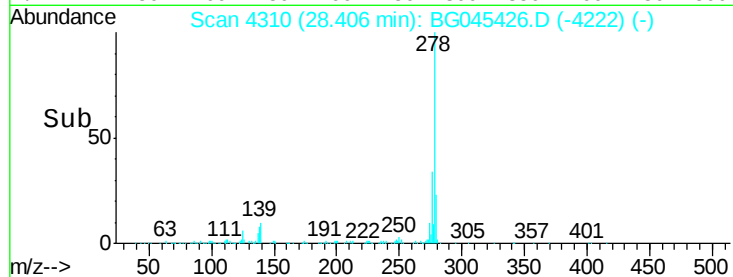
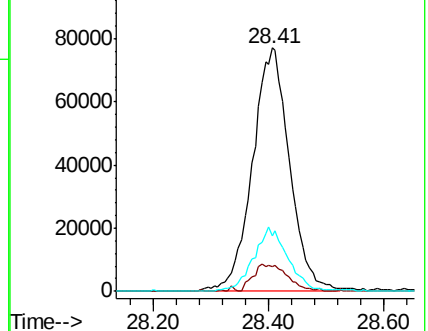
279 22.7 19.8 29.8



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: 10.776 ng

RT: 29.46 min Scan# 4489

Delta R.T. -0.02 min

Lab File: BG045426.D

Acq: 19 May 2020 16:06

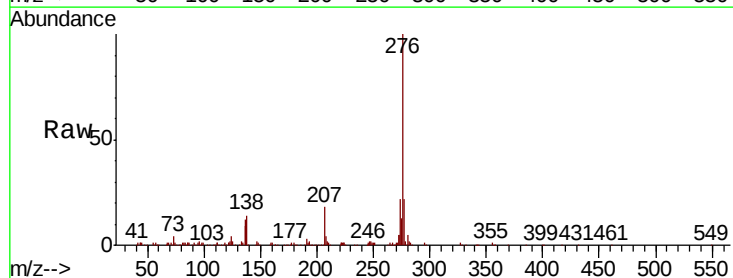
Tgt Ion:276 Resp: 349184

Ion Ratio Lower Upper

276 100

277 22.3 18.1 27.1

138 14.0 10.2 15.4



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

