

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045956.D
 Acq On : 7 Jul 2020 11:04
 Operator : CG/JU
 Sample : L2182-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jul 07 12:31:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 12:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	140651	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	567265	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	340771	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	690695	20.00	ng	0.00
76) Chrysene-d12	21.63	240	638083	20.00	ng	0.00
86) Perylene-d12	24.79	264	647709	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	936100	107.93	ng	0.00
7) Phenol-d6	7.16	99	1320217	105.73	ng	0.00
23) Nitrobenzene-d5	9.16	82	1142434	115.92	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	361637	114.34	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2257957	103.35	ng	0.00
79) Terphenyl-d14	19.99	244	2610336	91.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	15857	3.963	ng	# 92
3) Pyridine	3.91	79	39576	3.271	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	15861	3.877	ng	# 74
6) Aniline	7.33	93	62512	3.913	ng	98
8) 2-Chlorophenol	7.58	128	35148	3.765	ng	95
9) Benzaldehyde	7.15	77	40764	5.153	ng	95
10) Phenol	7.19	94	46837	3.739	ng	89
11) bis(2-Chloroethyl)ether	7.43	93	40605	3.920	ng	94
12) 1,3-Dichlorobenzene	7.90	146	42374	3.937	ng	92
13) 1,4-Dichlorobenzene	8.05	146	40101	3.788	ng	97
14) 1,2-Dichlorobenzene	8.36	146	38956	3.823	ng	97
15) Benzyl Alcohol	8.24	79	37139	3.793	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	49759	3.682	ng	97
17) 2-Methylphenol	8.44	107	32272	3.434	ng	94
18) Hexachloroethane	9.10	117	15188	3.729	ng	94
19) n-Nitroso-di-n-propylamine	8.81	70	35499	4.047	ng	94
20) 3+4-Methylphenols	8.76	107	43527	3.398	ng	96
22) Acetophenone	8.82	105	62692	4.137	ng	# 97
24) Nitrobenzene	9.20	77	42094	3.870	ng	# 98
25) Isophorone	9.73	82	89526	3.721	ng	# 98
26) 2-Nitrophenol	9.91	139	11365	3.205	ng	96
27) 2,4-Dimethylphenol	9.97	122	33655	3.930	ng	92
28) bis(2-Chloroethoxy)methane	10.21	93	54980	4.069	ng	95
29) 2,4-Dichlorophenol	10.44	162	30841	3.479	ng	96
30) 1,2,4-Trichlorobenzene	10.67	180	37231	3.790	ng	97
31) Naphthalene	10.85	128	118234	3.888	ng	99
32) Benzoic acid	10.02	122	7395	1.595	ng	97
33) 4-Chloroaniline	10.95	127	49789	3.664	ng	99
34) Hexachlorobutadiene	11.16	225	21329	3.719	ng	92
35) Caprolactam	11.69	113	12659	3.761	ng	86
36) 4-Chloro-3-methylphenol	12.07	107	36233	3.588	ng	95
37) 2-Methylnaphthalene	12.46	142	86808	4.016	ng	96
38) 1-Methylnaphthalene	12.68	142	81814	4.010	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	40246	4.190	ng	98

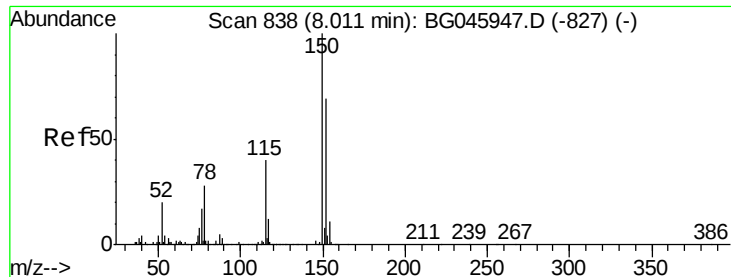
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	21025	3.689	ng	96
43) 2,4,6-Trichlorophenol	13.06	196	22361	3.442	ng	91
44) 2,4,5-Trichlorophenol	13.13	196	24427	3.325	ng	94
46) 1,1'-Biphenyl	13.47	154	113281	4.419	ng	94
47) 2-Chloronaphthalene	13.50	162	77345	3.824	ng	97
48) 2-Nitroaniline	13.70	65	16214	3.425	ng	96
49) Acenaphthylene	14.35	152	131157	4.019	ng	97
50) Dimethylphthalate	14.08	163	95605	3.738	ng	99
51) 2,6-Dinitrotoluene	14.19	165	13126	3.308	ng	98
52) Acenaphthene	14.69	154	78298	3.804	ng	97
53) 3-Nitroaniline	14.52	138	14419	2.932	ng #	92
54) 2,4-Dinitrophenol	14.72	184	2658	1.899	ng #	52
55) Dibenzofuran	15.03	168	122381	4.056	ng	94
56) 4-Nitrophenol	14.82	139	12271	2.945	ng	96
57) 2,4-Dinitrotoluene	14.98	165	13776	2.810	ng #	92
58) Fluorene	15.68	166	99956	4.038	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	20116	3.547	ng #	93
60) Diethylphthalate	15.45	149	100690	3.754	ng	99
61) 4-Chlorophenyl-phenylether	15.67	204	45416	3.688	ng	97
62) 4-Nitroaniline	15.67	138	16542	3.130	ng	100
63) Azobenzene	15.96	77	115913	4.027	ng	96
65) 4,6-Dinitro-2-methylphenol	15.74	198	4853	2.399	ng	96
66) n-Nitrosodiphenylamine	15.88	169	83845	3.917	ng	97
67) 4-Bromophenyl-phenylether	16.56	248	28384	3.680	ng	95
68) Hexachlorobenzene	16.68	284	29158	3.767	ng	98
69) Atrazine	16.83	200	30903	4.883	ng	98
70) Pentachlorophenol	17.02	266	12975	3.015	ng	91
71) Phenanthrene	17.41	178	149854	4.104	ng	98
72) Anthracene	17.50	178	152993	4.129	ng	96
73) Carbazole	17.77	167	142379	3.833	ng	95
74) Di-n-butylphthalate	18.35	149	174878	3.896	ng	96
75) Fluoranthene	19.42	202	169426	4.014	ng	97
77) Benzidine	19.59	184	86154	4.722	ng	98
78) Pyrene	19.42	202	169426	3.890	ng	94
80) Butylbenzylphthalate	20.68	149	67638	3.286	ng	97
81) Benzo(a)anthracene	21.61	228	163349	3.893	ng	93
82) 3,3'-Dichlorobenzidine	21.53	252	63748	4.112	ng	97
83) Chrysene	21.67	228	153891	3.850	ng	98
84) Bis(2-ethylhexyl)phthalate	21.56	149	112178	3.755	ng #	93
85) Di-n-octyl phthalate	22.75	149	189159	3.648	ng	99
87) Indeno(1,2,3-cd)pyrene	28.36	276	182152	3.844	ng #	85
88) Benzo(b)fluoranthene	23.79	252	158700	3.860	ng	94
89) Benzo(k)fluoranthene	23.85	252	161077	4.143	ng	96
90) Benzo(a)pyrene	24.63	252	148812	3.849	ng	98
91) Dibenzo(a,h)anthracene	28.41	278	147167	3.851	ng	98
92) Benzo(g,h,i)perylene	29.46	276	151157	3.930	ng	99

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

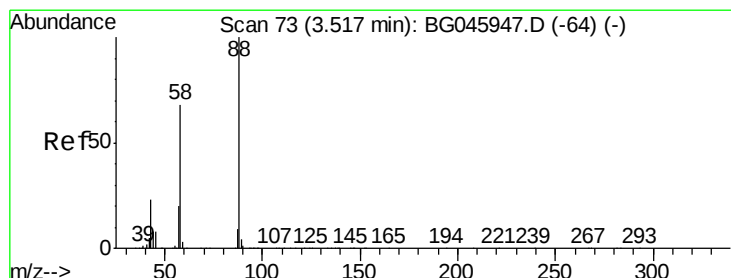
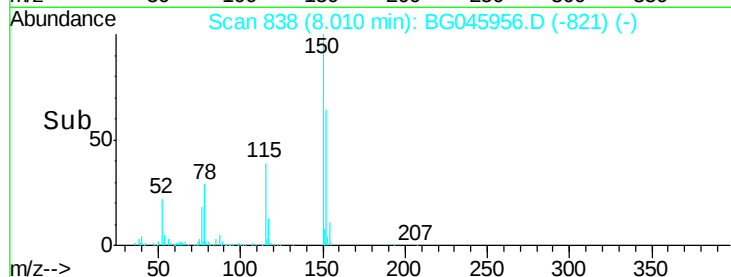
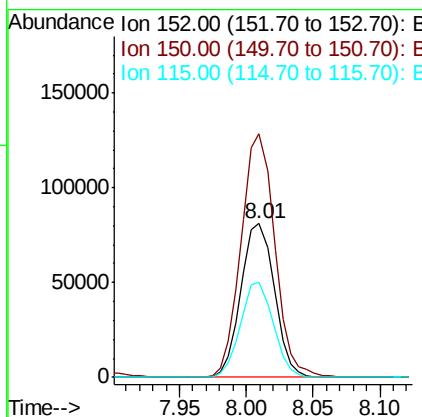
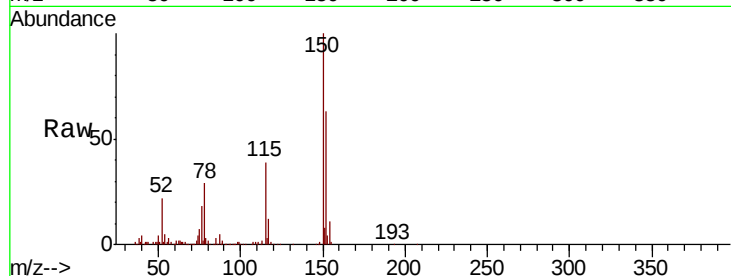


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

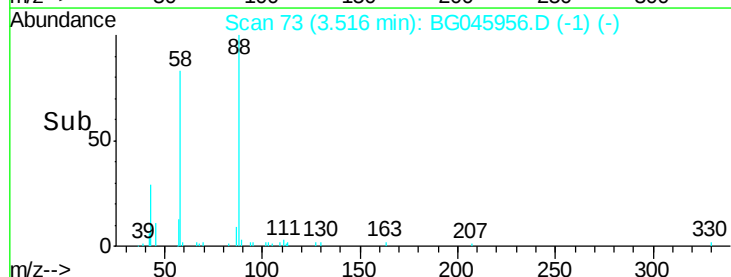
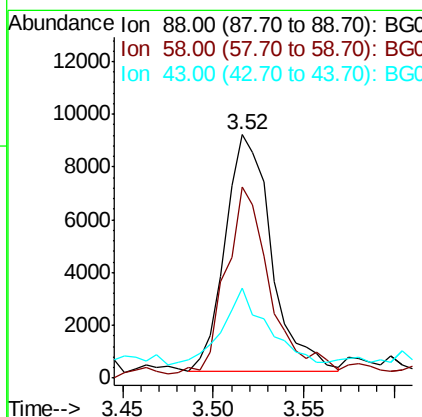
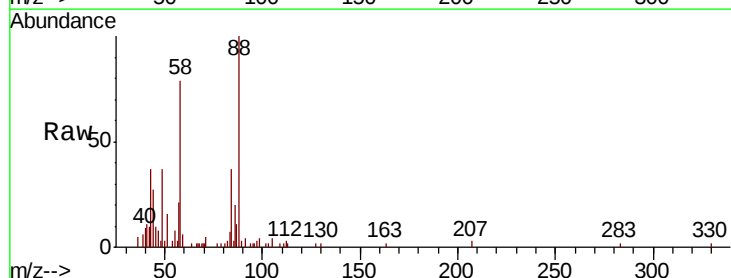
Tot Ion	152	Resp	140651
Ion	Ratio	Lower	Upper
152	100		
150	158.4	116.7	175.1
115	61.5	47.4	71.0

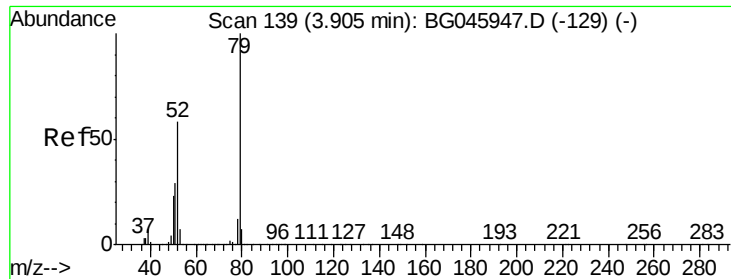


#2

1,4-Dioxane
Concen: 3.963 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	88	Resp	15857
Ion	Ratio	Lower	Upper
88	100		
58	74.7	55.2	82.8
43	29.2	19.4	29.0





#3

Pvridine

Concen: 3.271 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

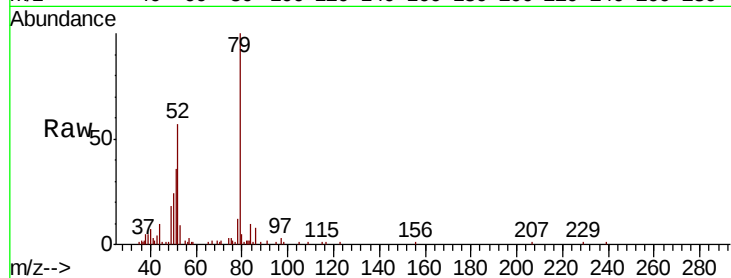
Tot Ion: 79 Resp: 39576

Ion Ratio Lower Upper

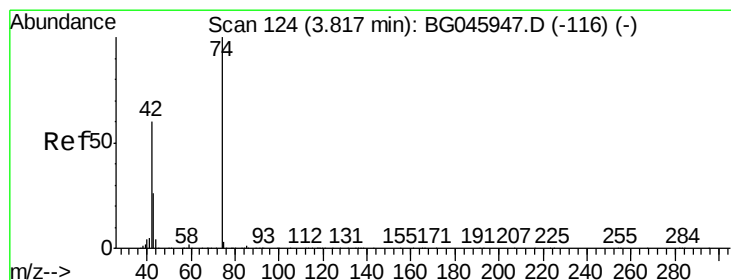
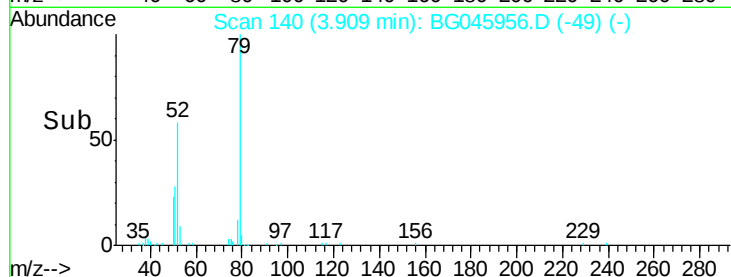
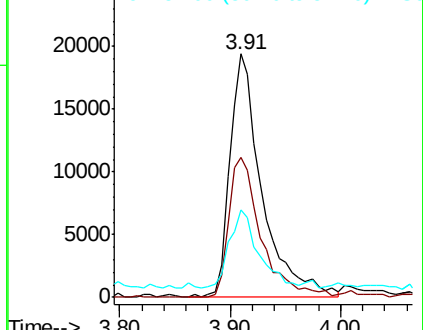
79 100

52 57.3 46.5 69.7

51 35.7 23.5 35.3#



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



#4

n-Nitrosodimethylamine

Concen: 3.877 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

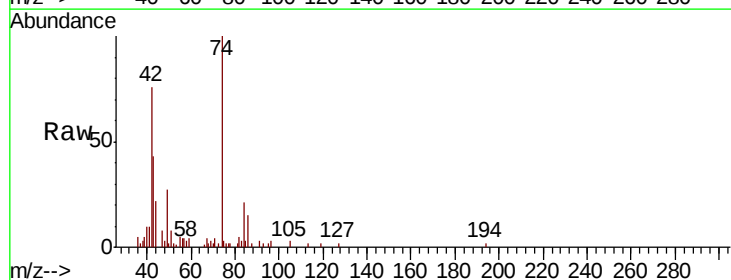
Tgt Ion: 42 Resp: 15861

Ion Ratio Lower Upper

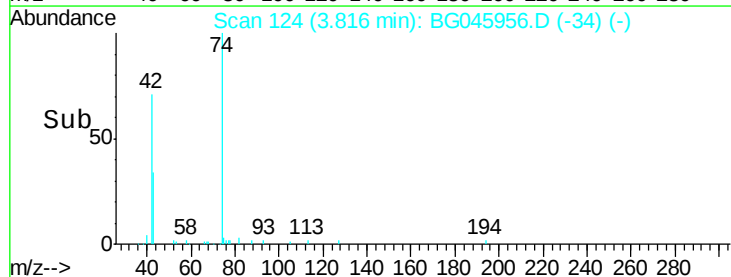
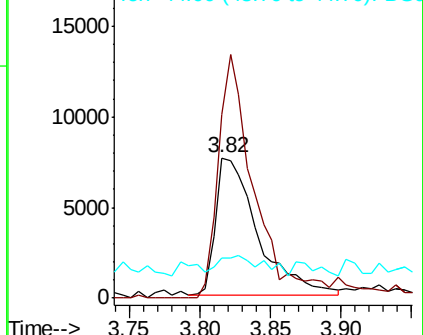
42 100

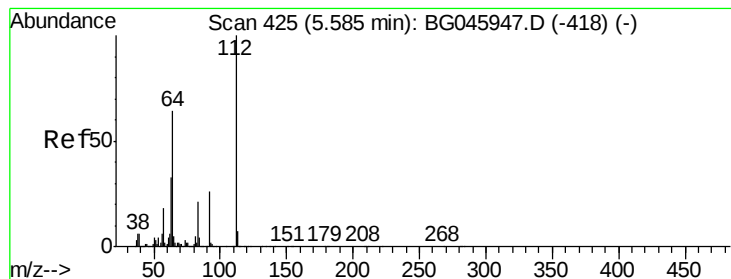
74 131.4 131.9 197.9#

44 28.4 7.7 11.5#



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

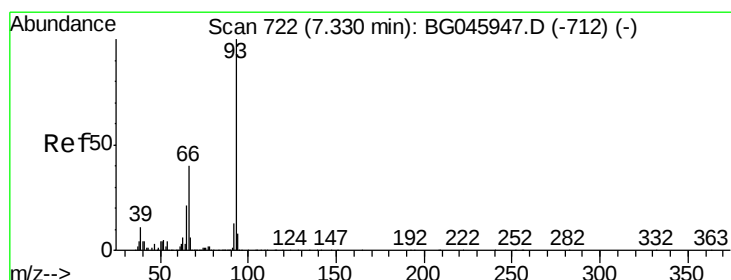
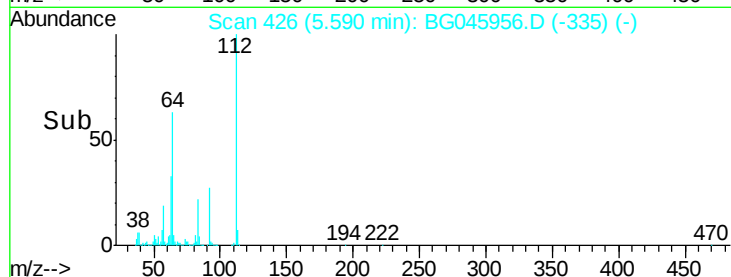
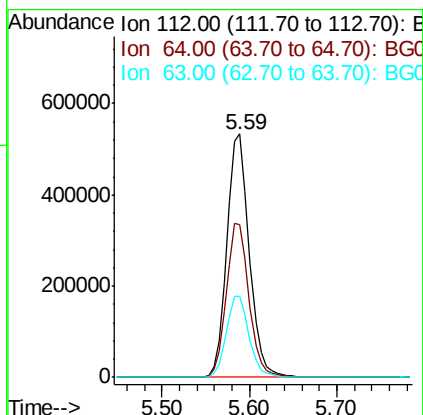
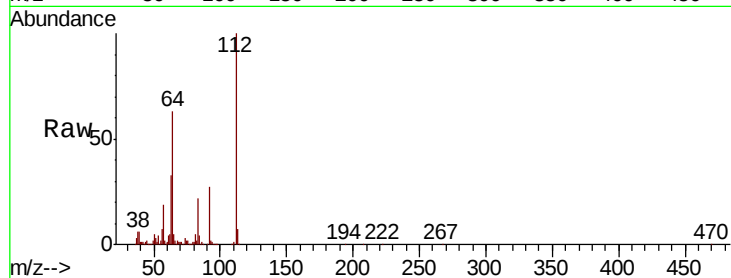




#5
2-Fluorophenol
Concen: 107.930 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

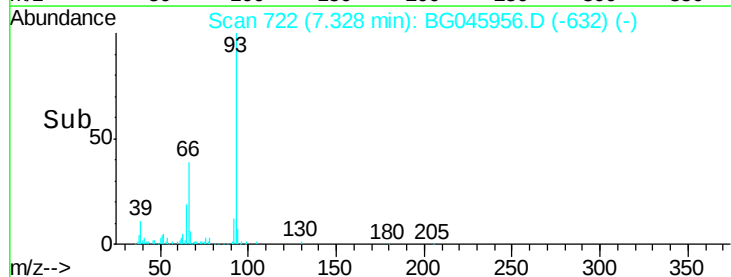
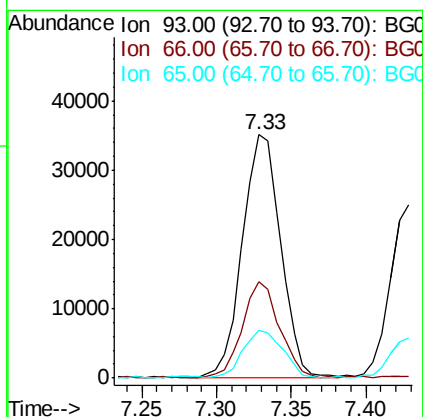
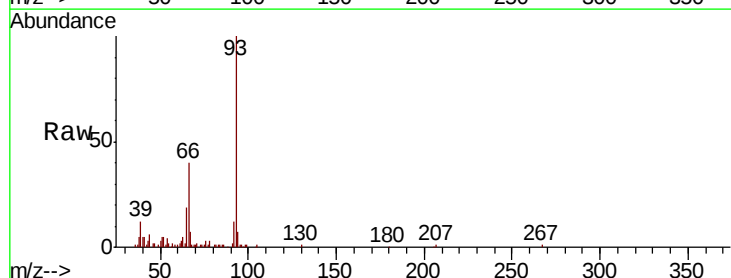
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

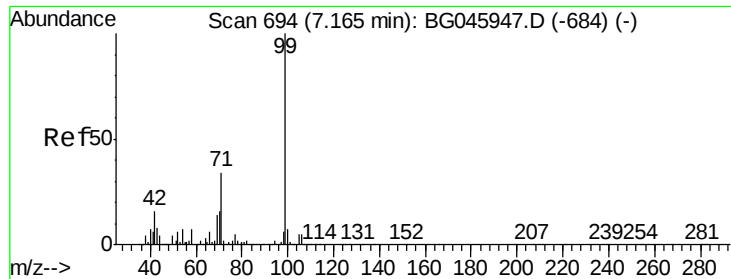
Tot Ion	Ratio	Lower	Upper
112	100		
64	62.7	51.4	77.2
63	33.3	26.6	40.0



#6
Aniline
Concen: 3.913 ng
RT: 7.33 min Scan# 722
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.8	32.3	48.5
65	19.5	16.6	25.0





#7

Phenol-d6

Concen: 105.728 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

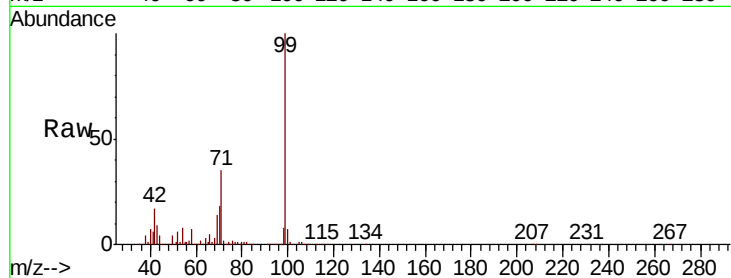
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 99 Resp: 1320217

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.0	19.4
71	34.6	27.5	41.3

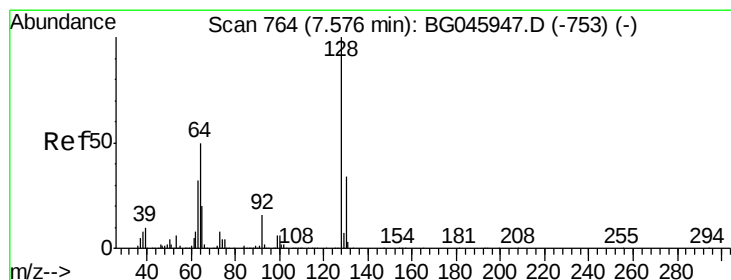
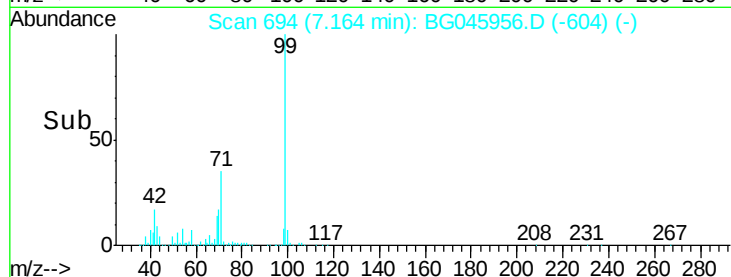
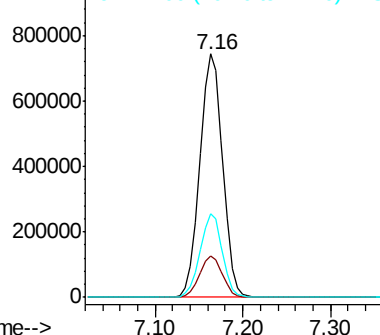


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 3.765 ng

RT: 7.58 min Scan# 764

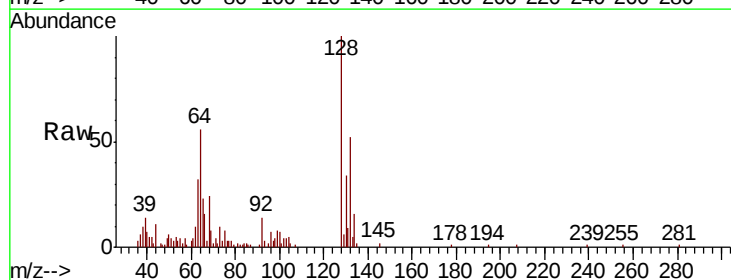
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:128 Resp: 35148

Ion	Ratio	Lower	Upper
128	100		
130	34.2	13.6	53.6
64	56.0	30.6	70.6

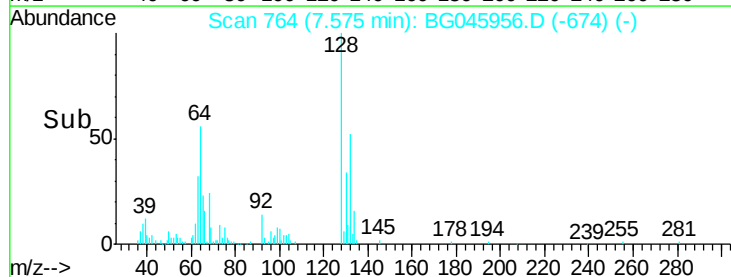
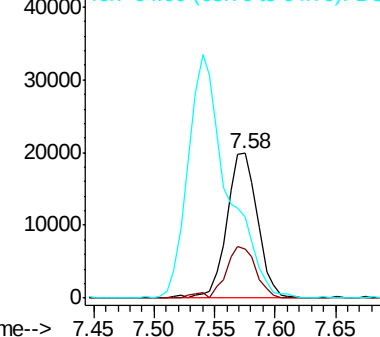


Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyd

Concen: 5.153 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

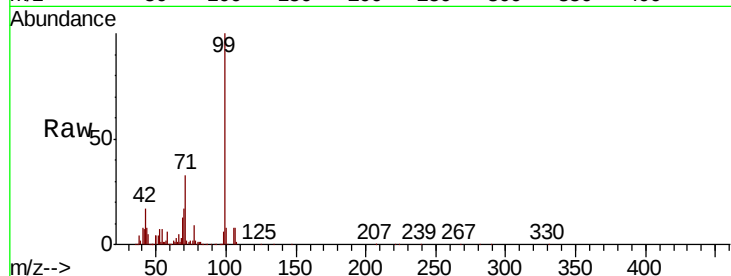
Tot Ion: 77 Resp: 40764

Ion Ratio Lower Upper

77 100

105 82.7 66.0 106.0

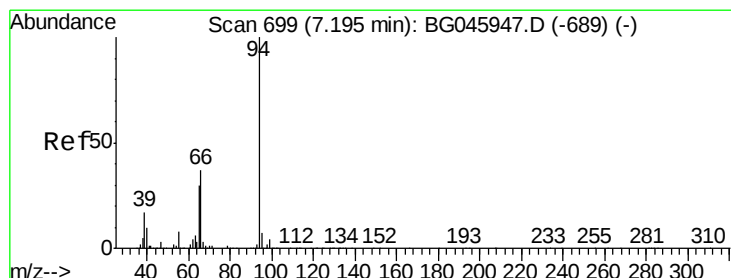
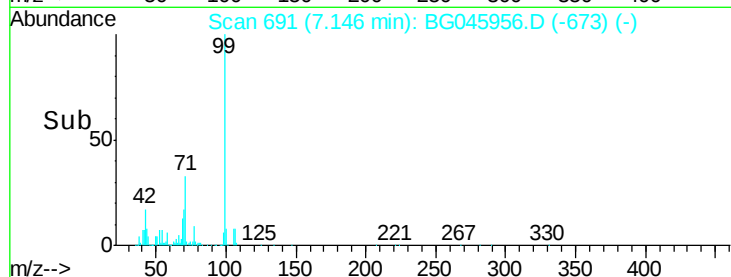
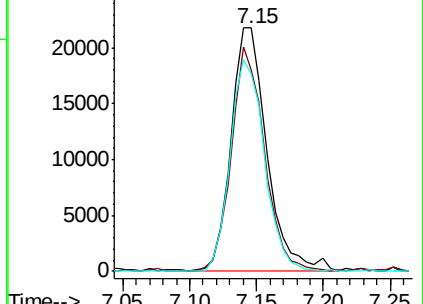
106 80.9 67.7 107.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 3.739 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

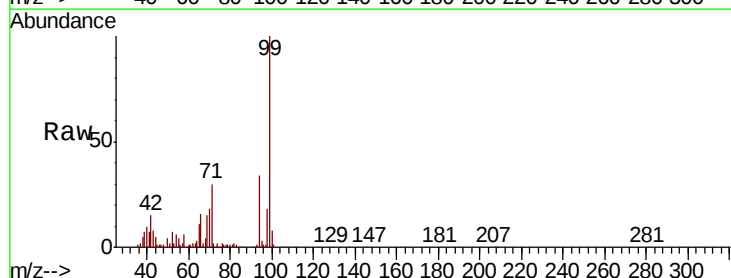
Tgt Ion: 94 Resp: 46837

Ion Ratio Lower Upper

94 100

65 31.6 10.6 50.6

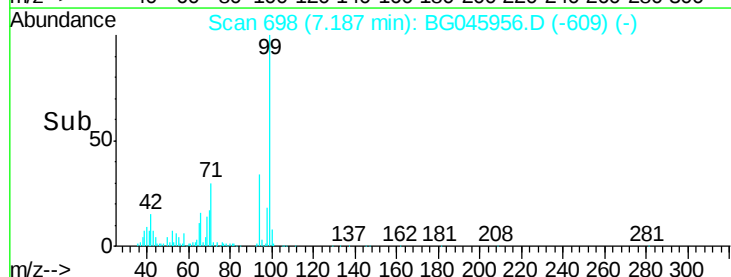
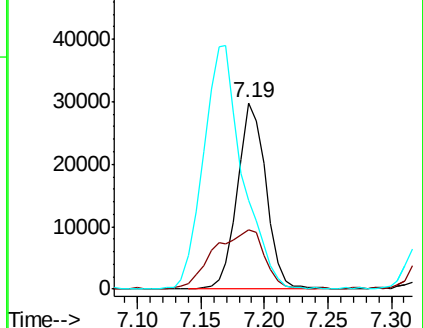
66 47.7 17.1 57.1

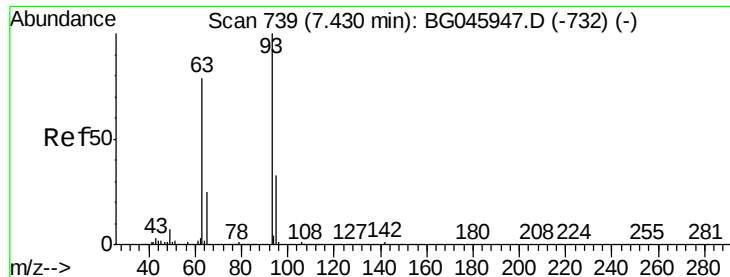


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

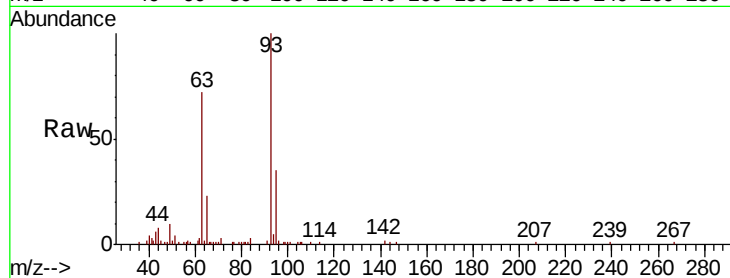




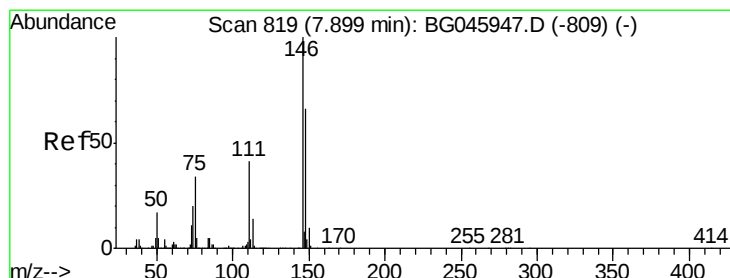
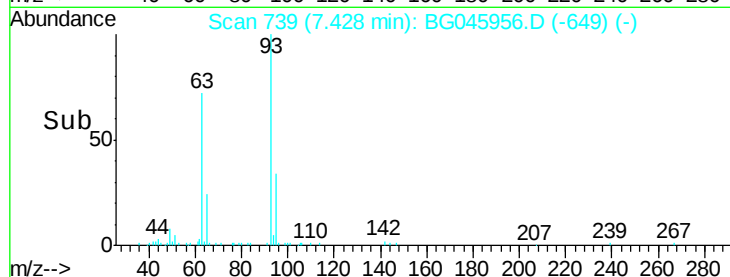
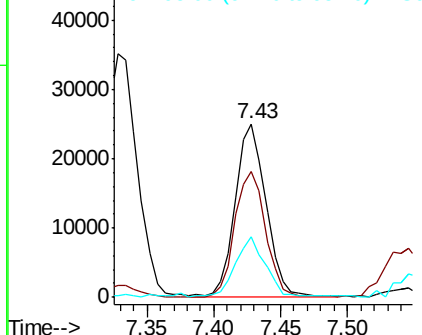
#11
bis(2-Chloroethyl)ether
Concen: 3.920 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.4	58.6	98.6
95	34.5	13.3	53.3

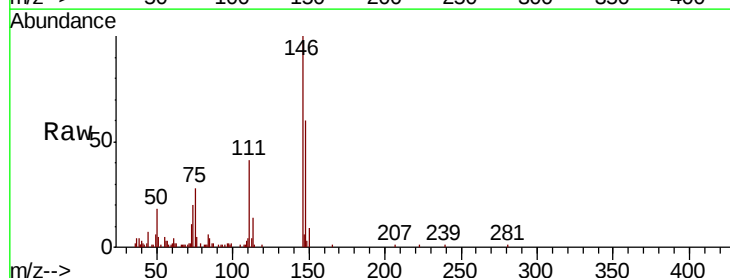


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

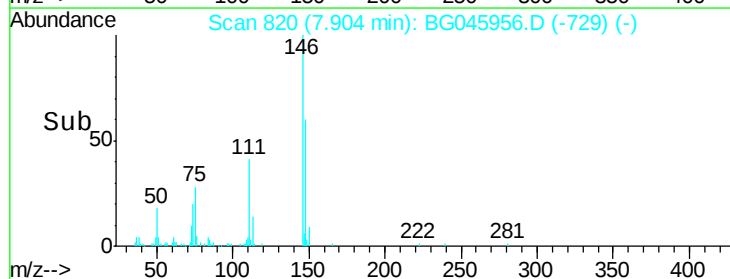
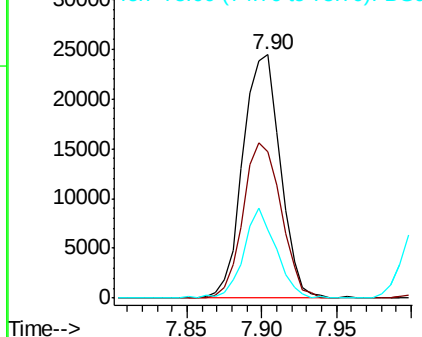


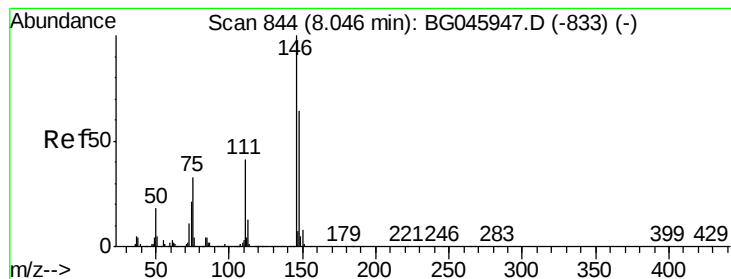
#12
1,3-Dichlorobenzene
Concen: 3.937 ng
RT: 7.90 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.1	52.8	79.2
75	28.2	27.2	40.8



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: 3.788 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

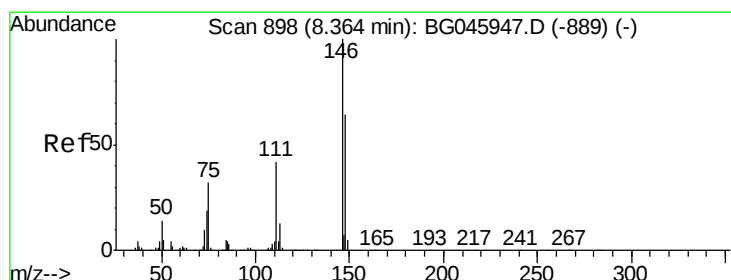
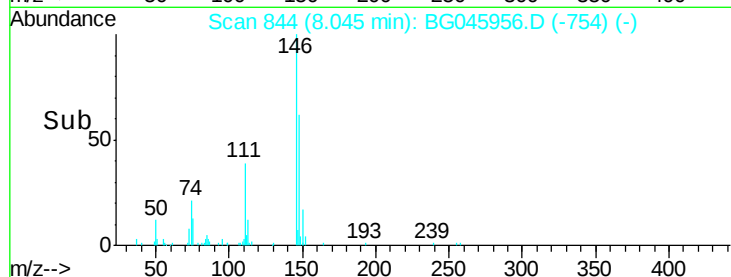
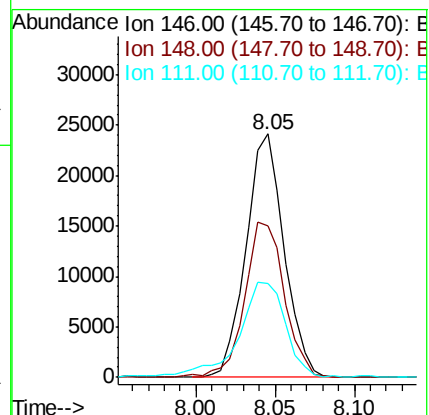
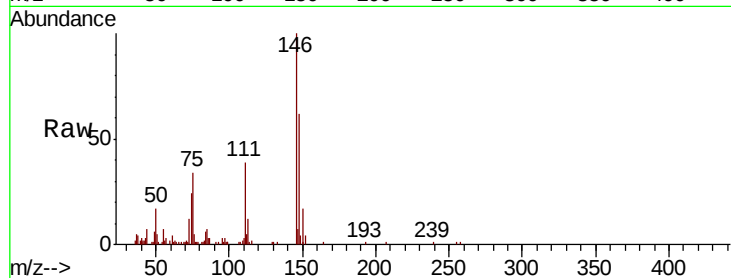
Tot Ion:146 Resp: 40101

Ion Ratio Lower Upper

146 100

148 62.3 51.7 77.5

111 38.8 33.3 49.9



#14

1,2-Dichlorobenzene

Concen: 3.823 ng

RT: 8.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

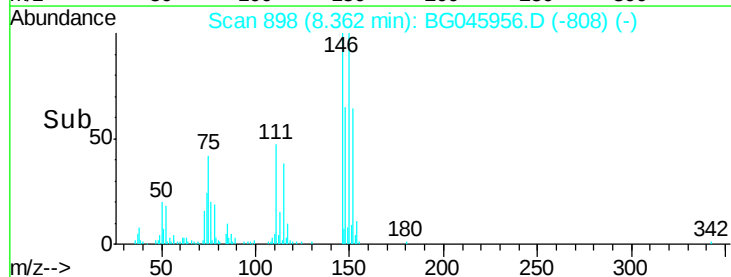
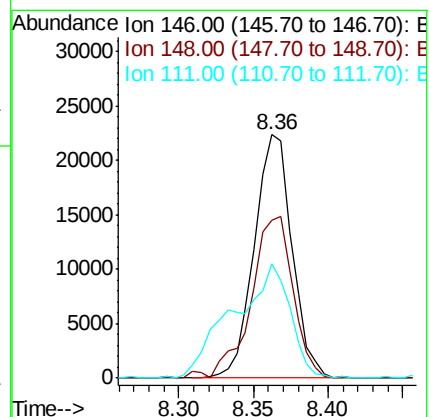
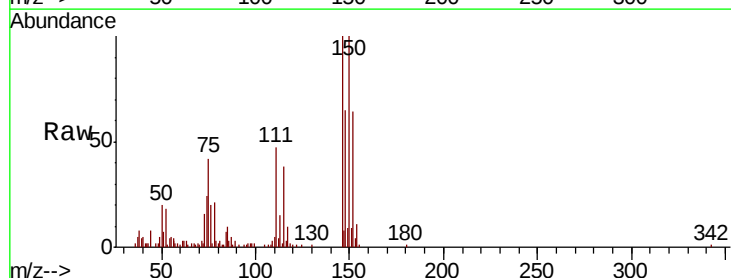
Tgt Ion:146 Resp: 38956

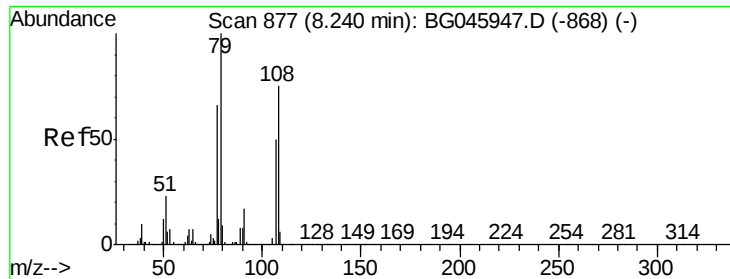
Ion Ratio Lower Upper

146 100

148 65.0 51.6 77.4

111 47.2 34.0 51.0





#15

Benzyl Alcohol

Concen: 3.793 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

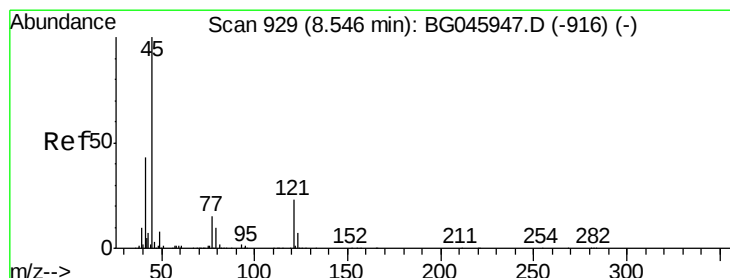
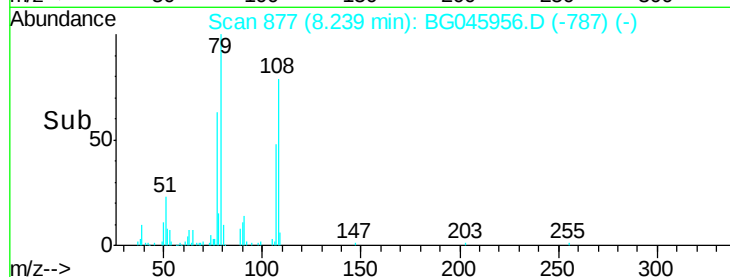
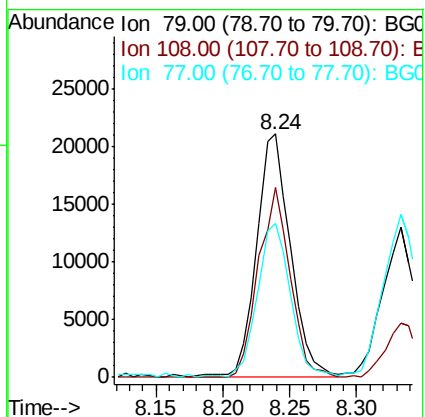
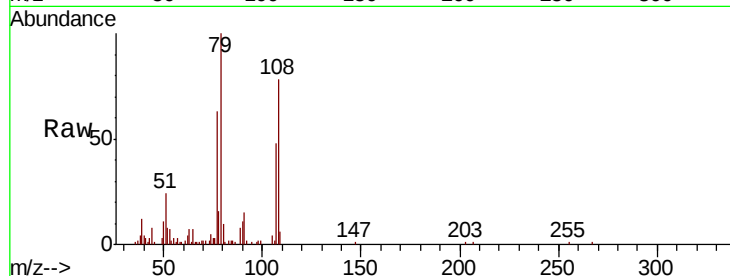
Tot Ion: 79 Resp: 37139

Ion Ratio Lower Upper

79 100

108 78.2 60.2 90.4

77 63.3 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.682 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

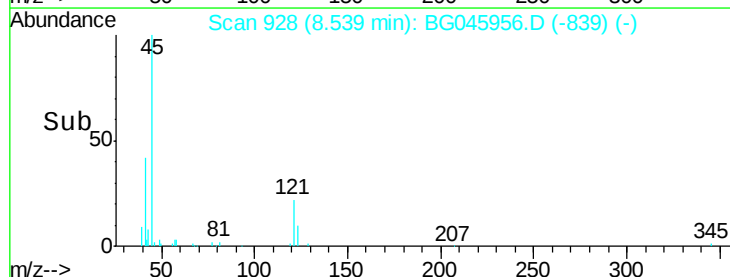
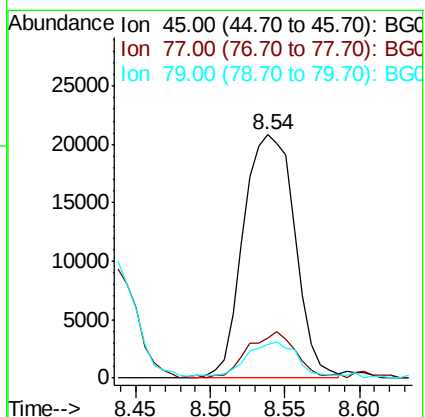
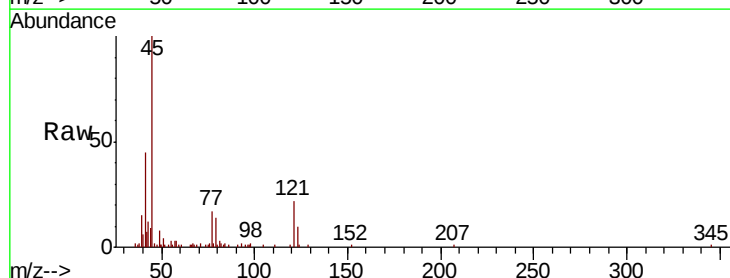
Tgt Ion: 45 Resp: 49759

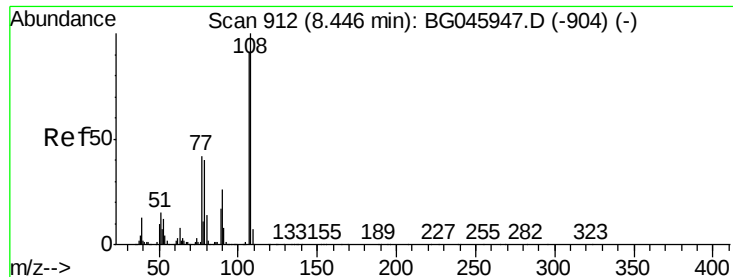
Ion Ratio Lower Upper

45 100

77 16.6 0.0 37.6

79 14.1 0.0 32.6





#17

2-Methylphenol

Concen: 3.434 ng

RT: 8.44 min Scan# 912

Delta R.T. -0.00 min

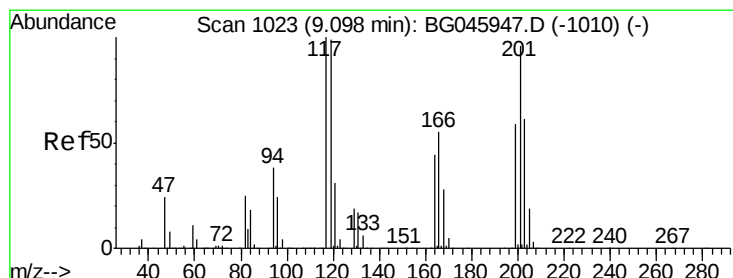
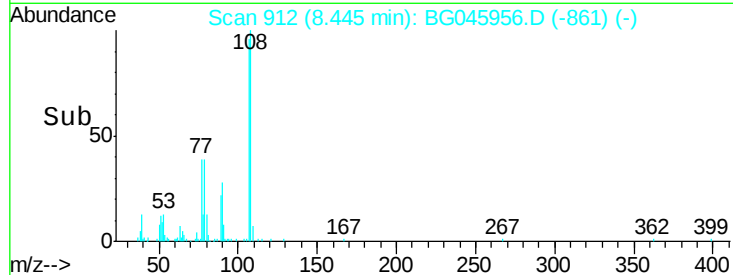
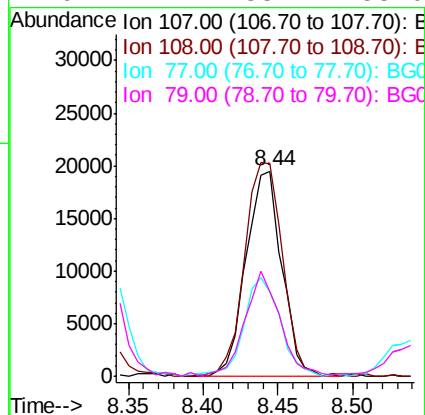
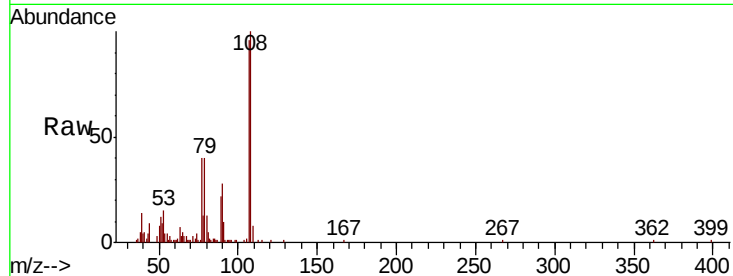
Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 32272

Ion	Ratio	Lower	Upper
107	100		
108	103.8	88.2	132.4
77	41.4	37.0	55.4
79	41.1	35.4	53.0



#18

Hexachloroethane

Concen: 3.729 ng

RT: 9.10 min Scan# 1023

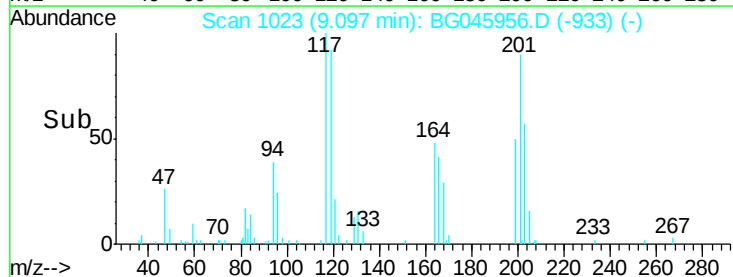
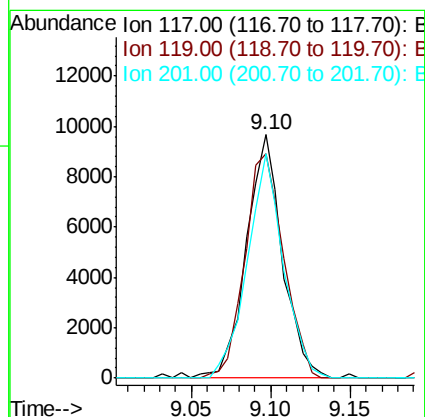
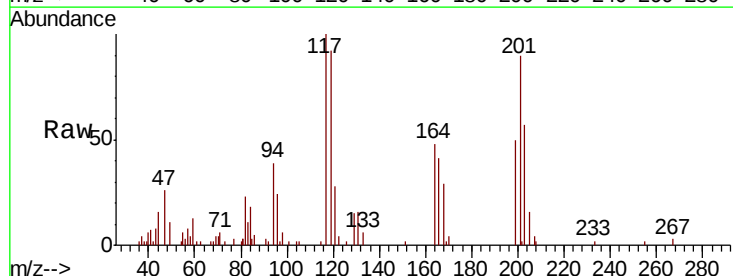
Delta R.T. -0.00 min

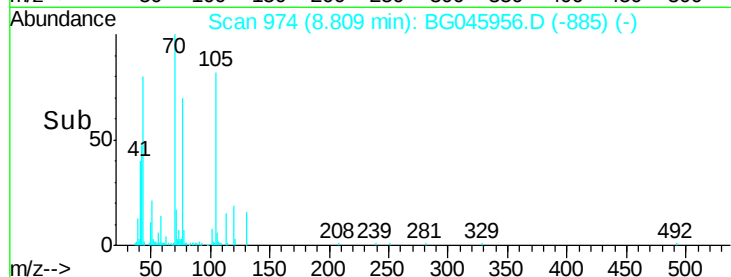
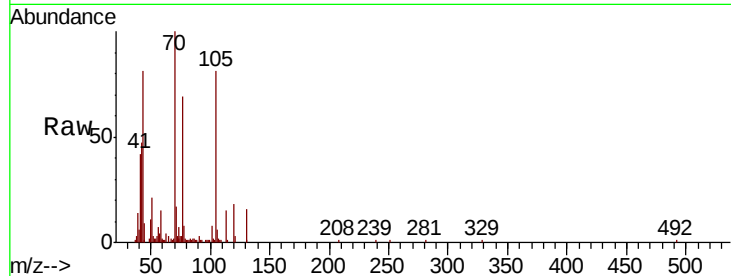
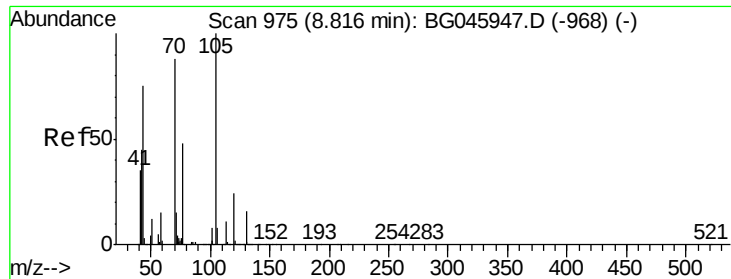
Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:117 Resp: 15188

Ion	Ratio	Lower	Upper
117	100		
119	92.3	79.5	119.3
201	92.3	77.0	115.4

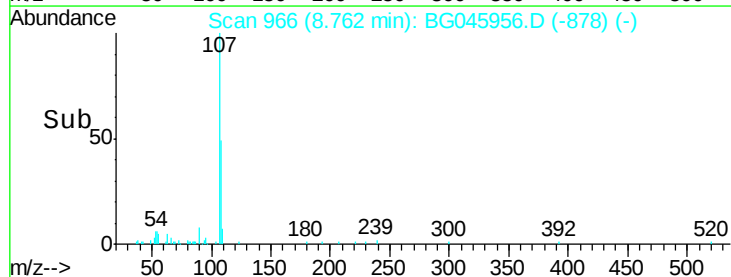
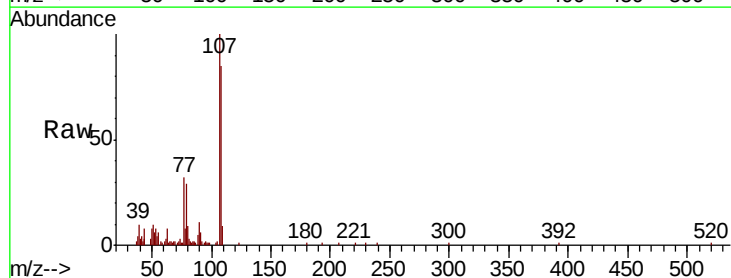
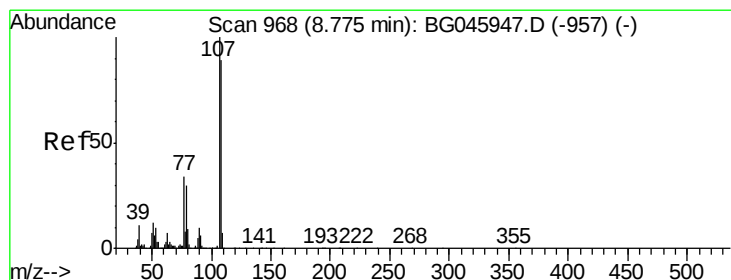
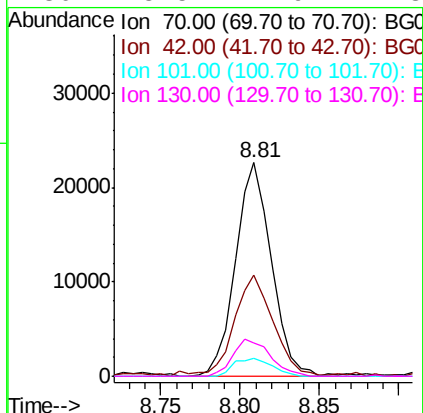




#19
n-Nitroso-di-n-propylamine
Concen: 4.047 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

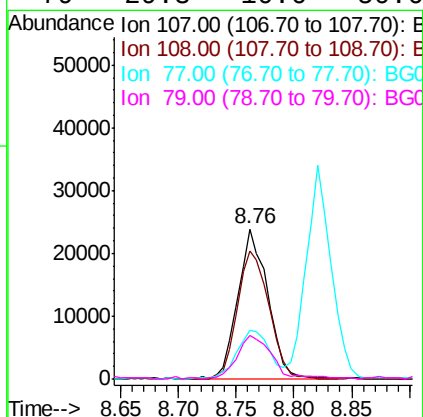
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

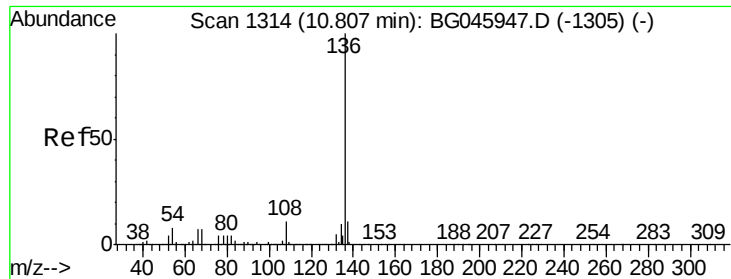
Tot Ion:	70	Resp:	35499
Ion	Ratio	Lower	Upper
70	100		
42	47.5	41.4	62.0
101	8.2	7.1	10.7
130	15.5	14.9	22.3



#20
3+4-Methylphenols
Concen: 3.398 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:	107	Resp:	43527
Ion	Ratio	Lower	Upper
107	100		
108	85.1	68.7	108.7
77	32.4	14.6	54.6
79	29.3	10.6	50.6

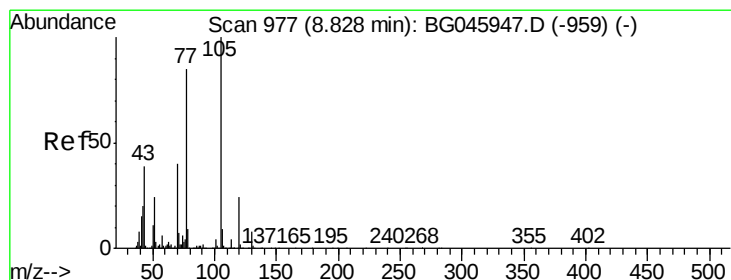
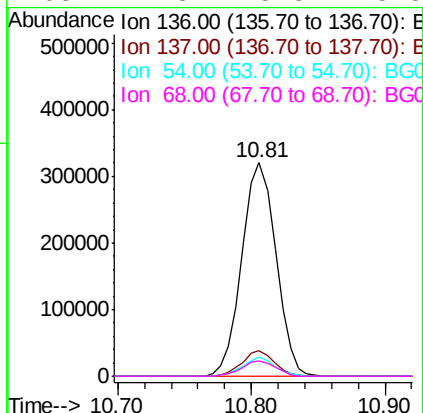
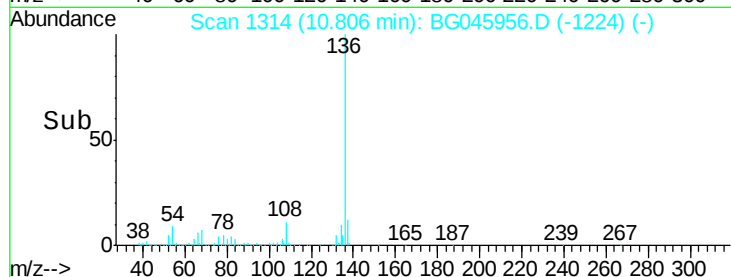
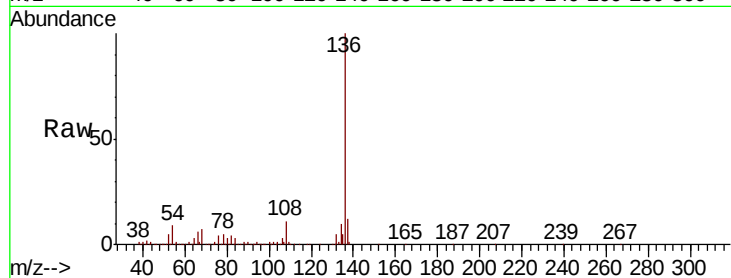




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

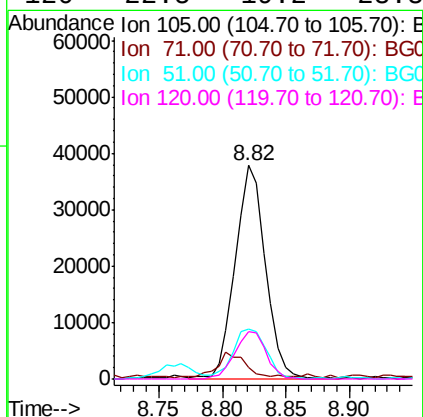
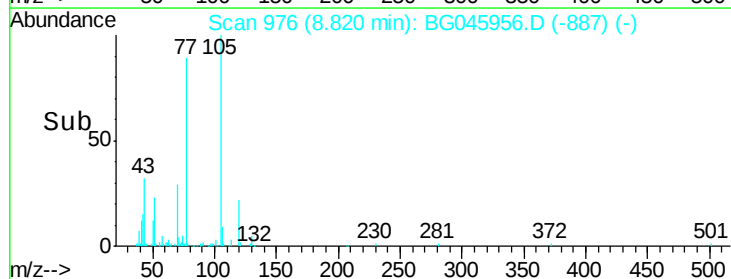
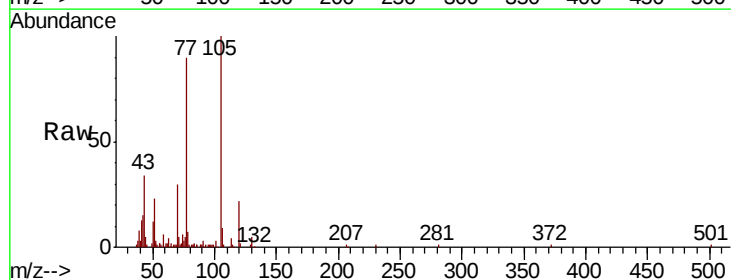
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

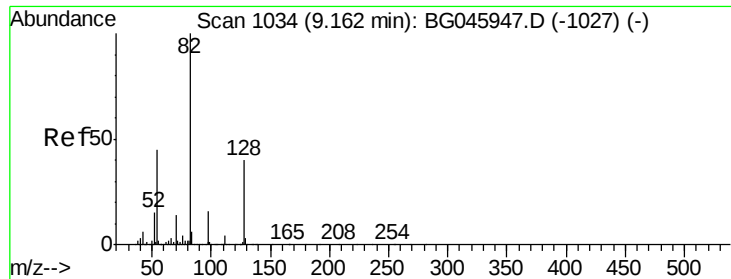
Tot Ion:136	Resp:	567265	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	9.2	13.8	
54 8.7	6.2	9.4	
68 7.3	5.8	8.8	



#22
Acetophenone
Concen: 4.137 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt	Ion:105	Resp:	62692
Ion	Ratio	Lower	Upper
105	100		
71	5.4	6.2	9.2#
51	23.4	19.7	29.5
120	22.5	19.2	28.8

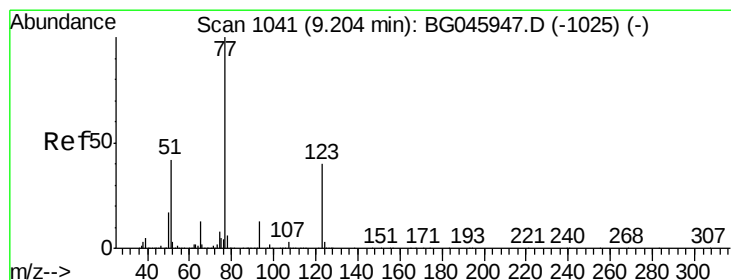
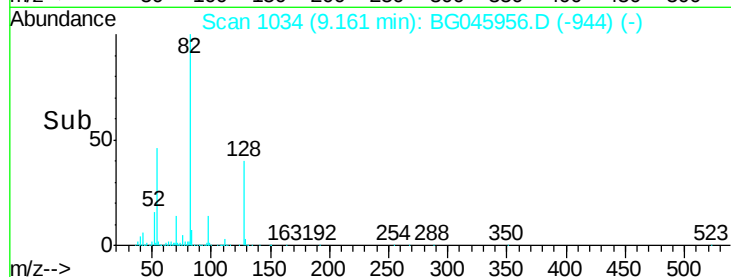
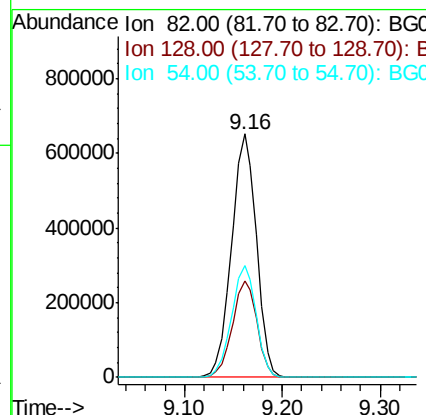
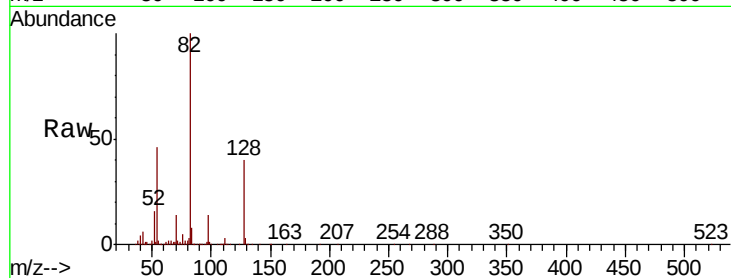




#23
 Nitrobenzene-d5
 Concen: 115.918 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

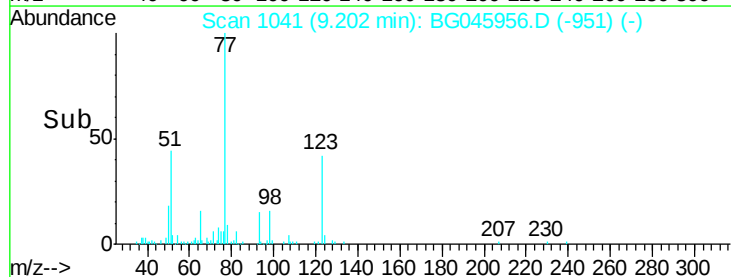
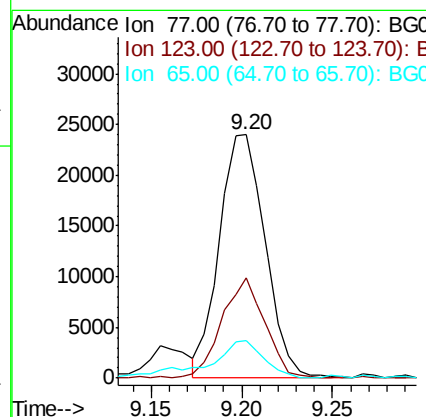
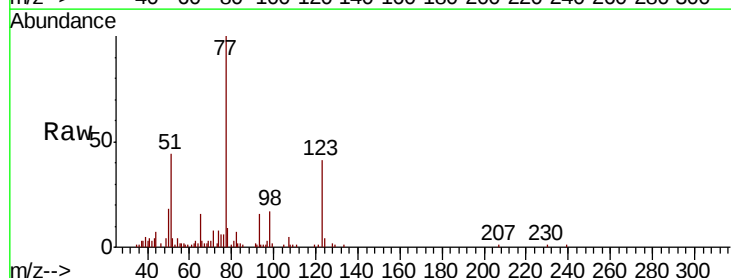
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

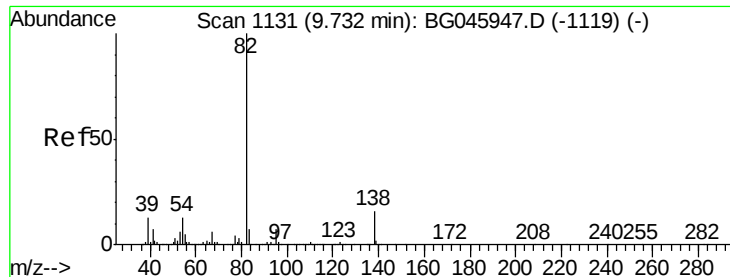
Tot Ion: 82 Resp: 1142434
 Ion Ratio Lower Upper
 82 100
 128 39.8 32.2 48.4
 54 46.0 35.8 53.6



#24
 Nitrobenzene
 Concen: 3.870 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion: 77 Resp: 42094
 Ion Ratio Lower Upper
 77 100
 123 41.1 32.7 49.1
 65 15.6 10.2 15.4#





#25

Isophorone

Concen: 3.721 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

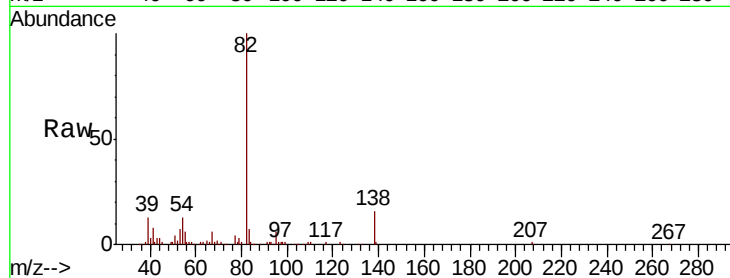
Tot Ion: 82 Resp: 89526

Ion Ratio Lower Upper

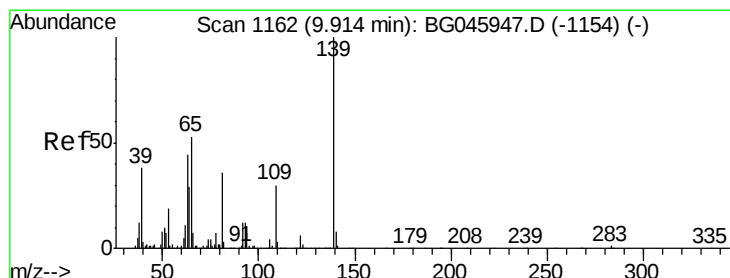
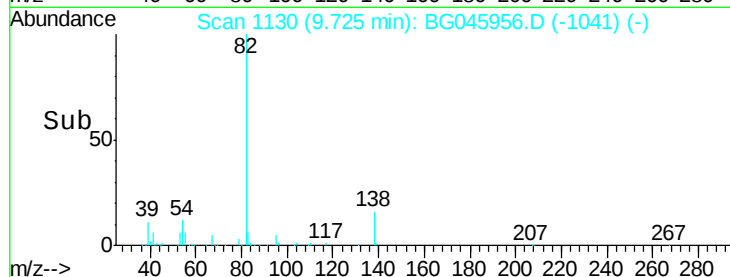
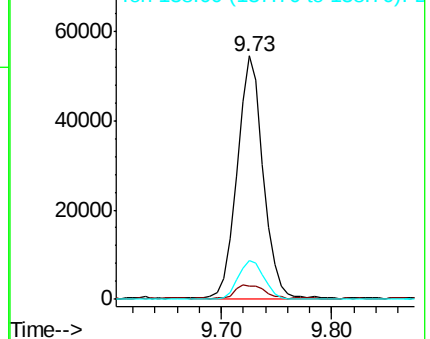
82 100

95 5.6 5.8 8.6#

138 15.7 12.9 19.3



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



#26

2-Nitrophenol

Concen: 3.205 ng

RT: 9.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

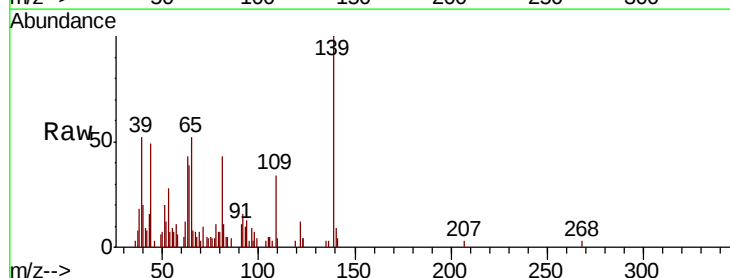
Tgt Ion: 139 Resp: 11365

Ion Ratio Lower Upper

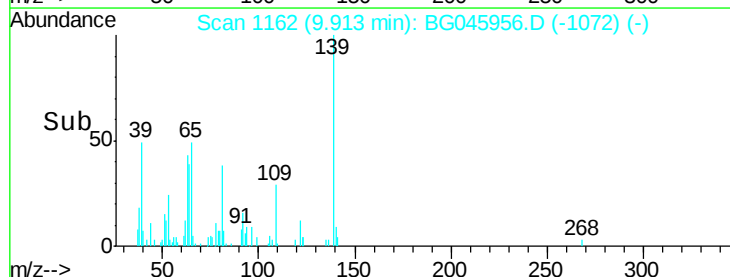
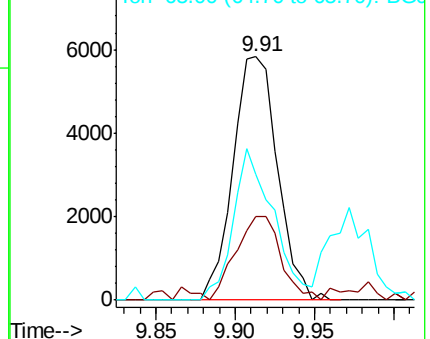
139 100

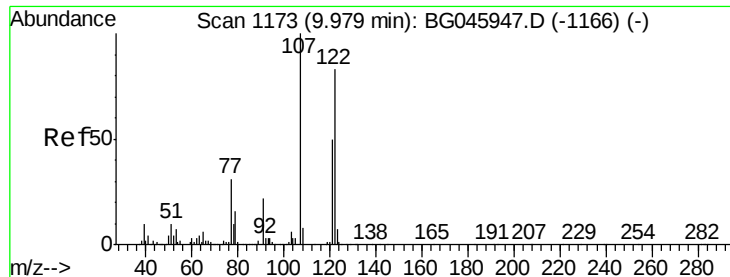
109 34.1 24.6 37.0

65 51.6 42.6 64.0



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





#27

2,4-Dimethylphenol

Concen: 3.930 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

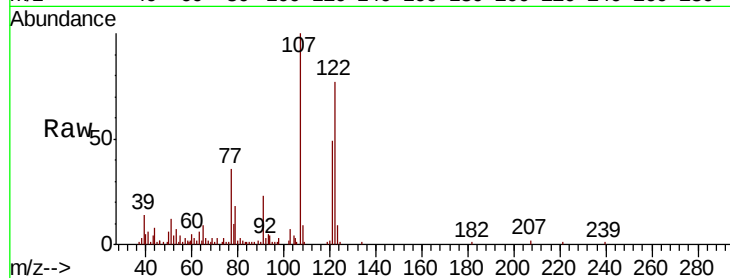
Tot Ion:122 Resp: 33655

Ion Ratio Lower Upper

122 100

107 129.8 95.6 143.4

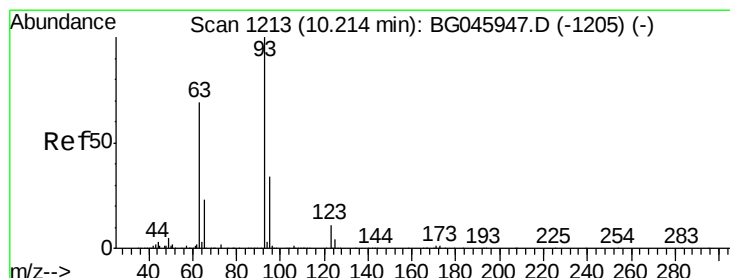
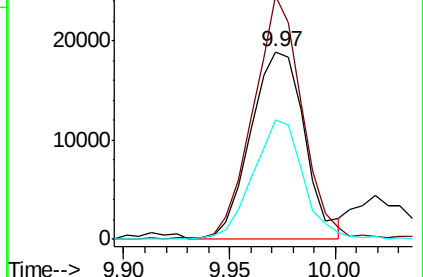
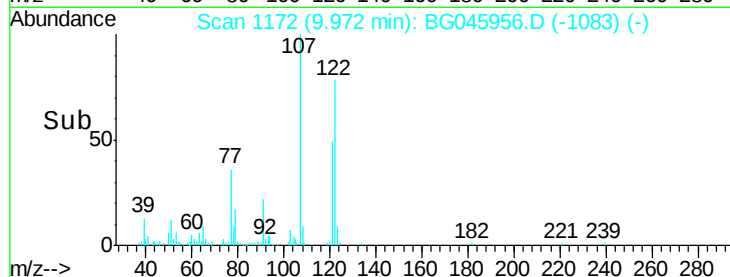
121 63.7 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 4.069 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

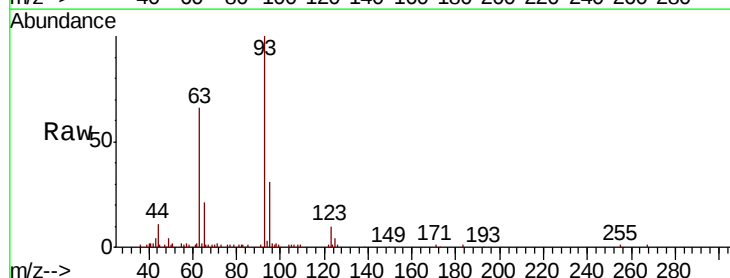
Tgt Ion: 93 Resp: 54980

Ion Ratio Lower Upper

93 100

95 31.2 27.5 41.3

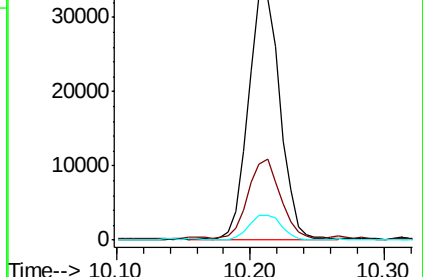
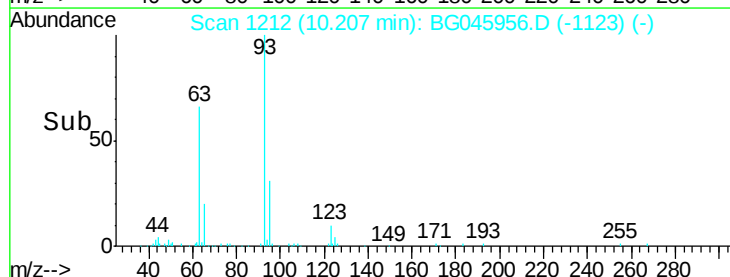
123 10.2 9.2 13.8

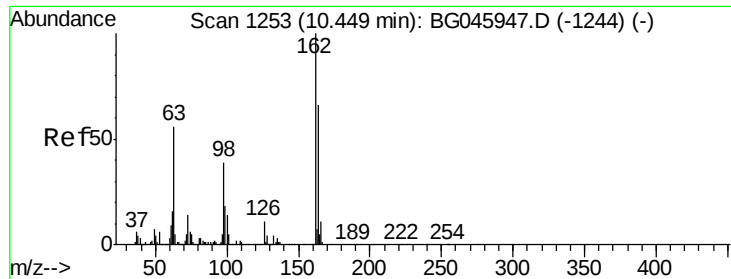


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

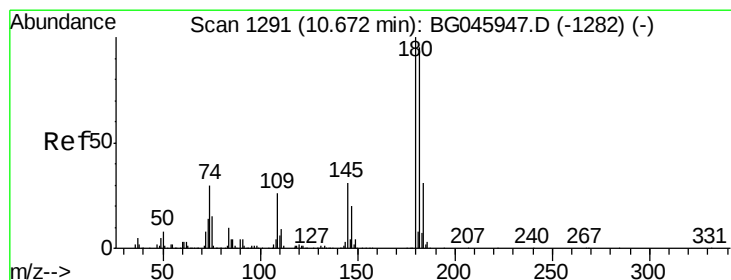
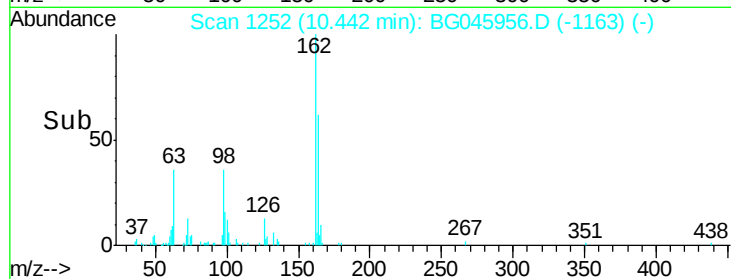
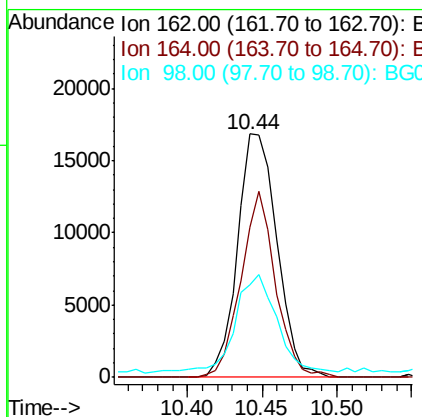
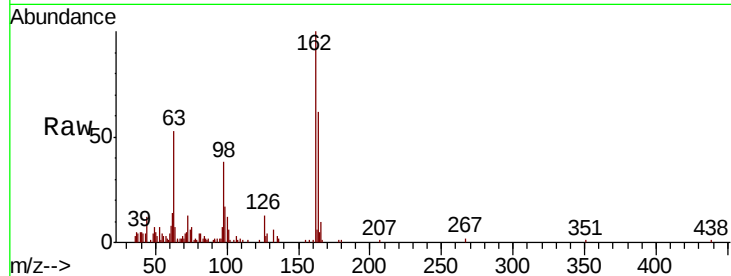




#29
 2,4-Dichlorophenol
 Concen: 3.479 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

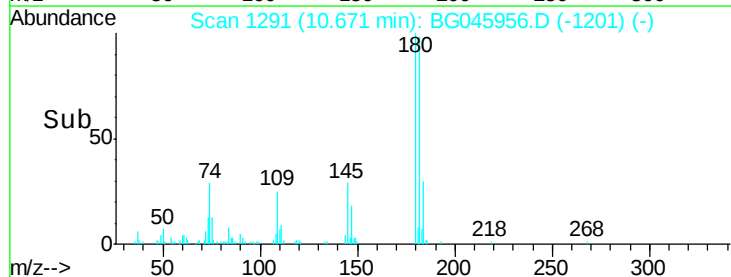
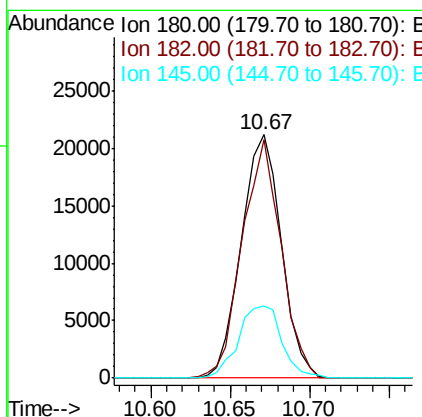
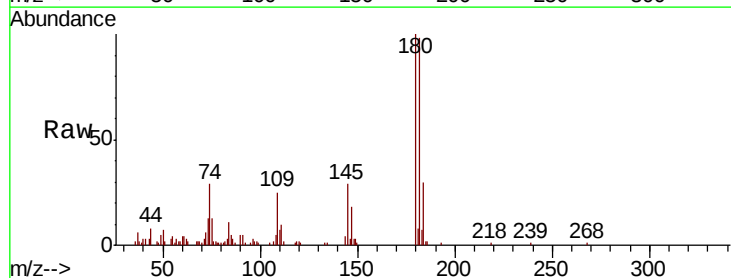
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

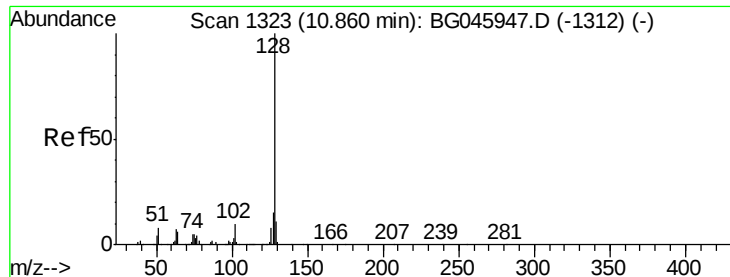
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.9	46.0	86.0
98	38.2	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 3.790 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.3	114.5
145	29.4	24.8	37.2

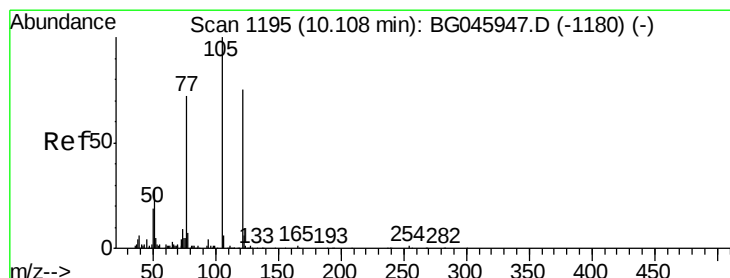
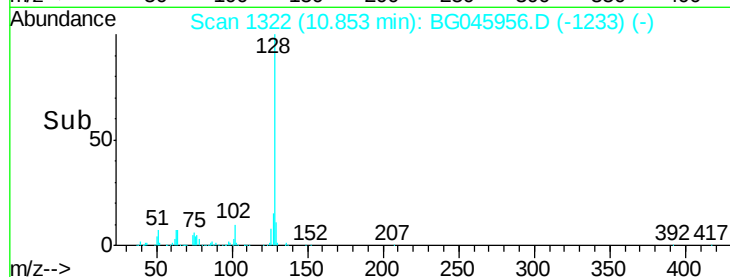
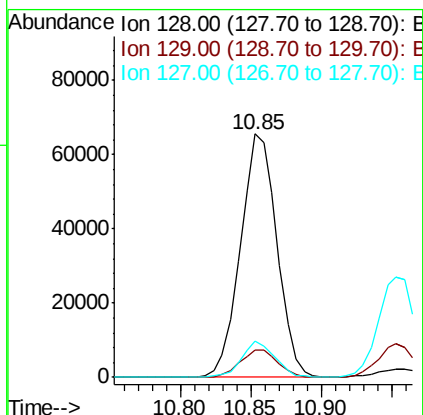
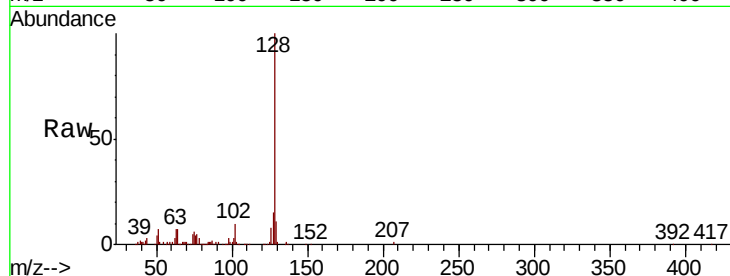




#31
Naphthalene
Concen: 3.888 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

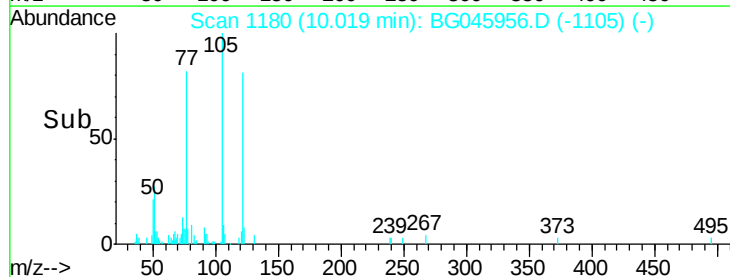
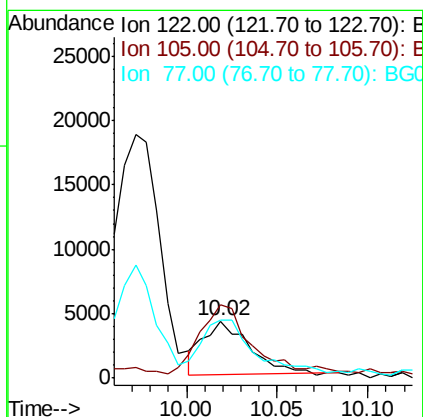
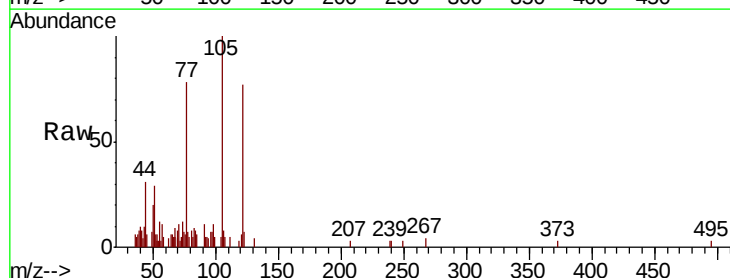
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

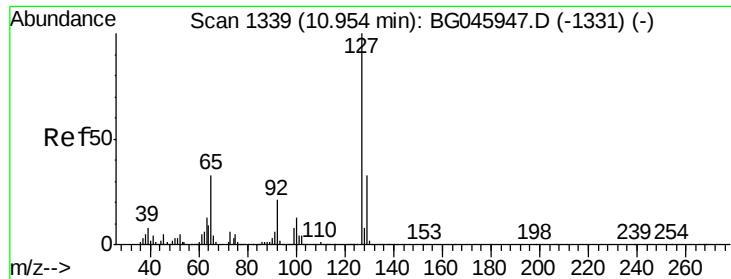
Tot Ion:128 Resp: 118234
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 14.8 11.8 17.6



#32
Benzoic acid
Concen: 1.595 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:122 Resp: 7395
Ion Ratio Lower Upper
122 100
105 129.8 110.8 150.8
77 101.5 76.4 116.4

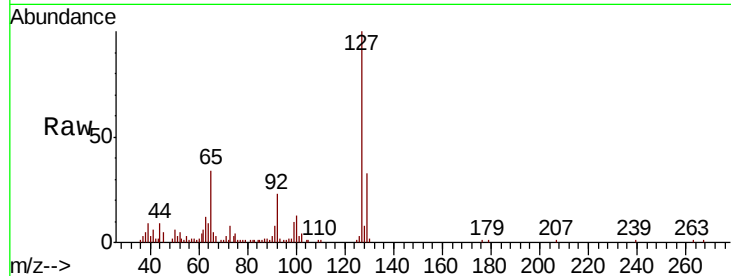




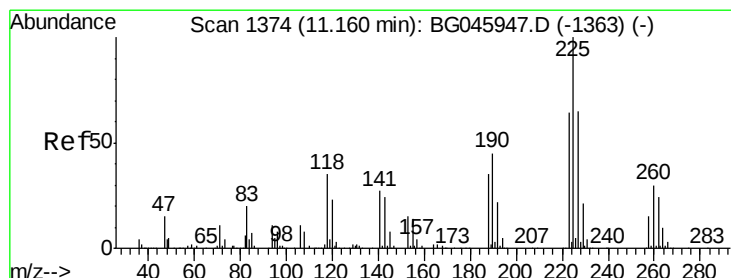
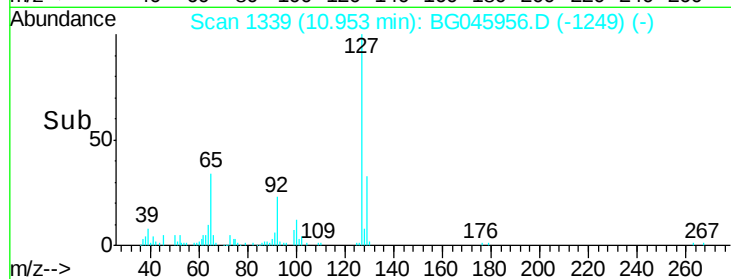
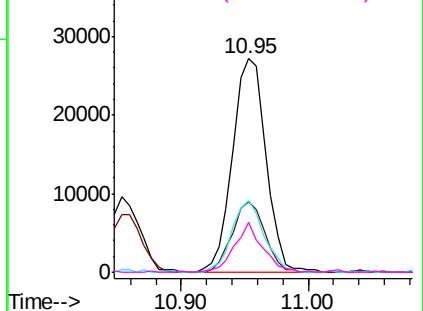
#33
4-Chloroaniline
Concen: 3.664 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:127	Resp:	49789
Ion	Ratio	Lower Upper
127	100	
129	32.8	26.6 39.8
65	33.6	26.8 40.2
92	23.2	17.0 25.4

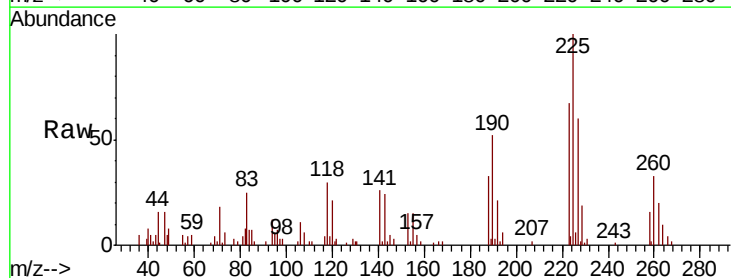


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

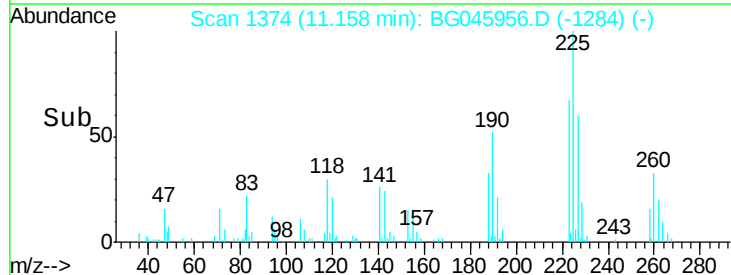
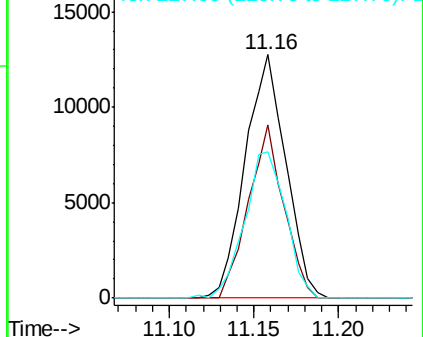


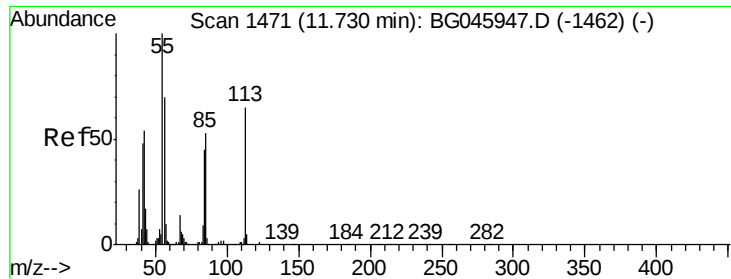
#34
Hexachlorobutadiene
Concen: 3.719 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:225	Resp:	21329
Ion	Ratio	Lower Upper
225	100	
223	71.2	51.2 76.8
227	60.0	52.3 78.5



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





#35

Caprolactam

Concen: 3.761 ng

RT: 11.69 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

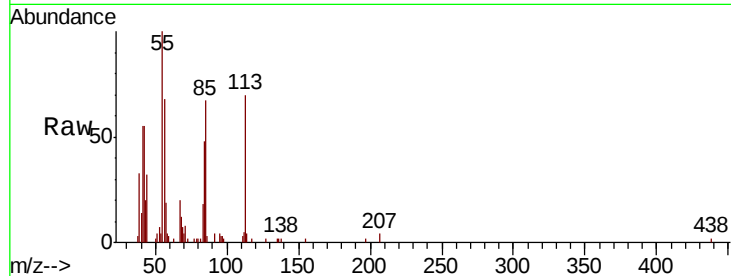
Tot Ion:113 Resp: 12659

Ion Ratio Lower Upper

113 100

55 142.0 141.6 181.6

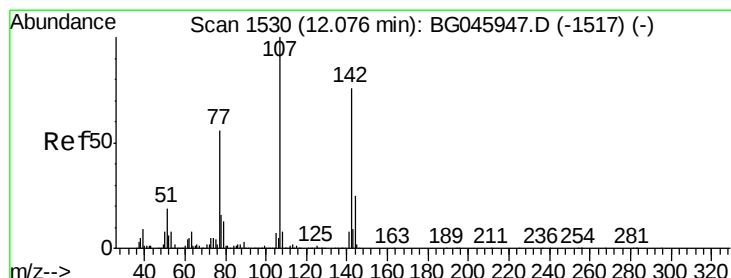
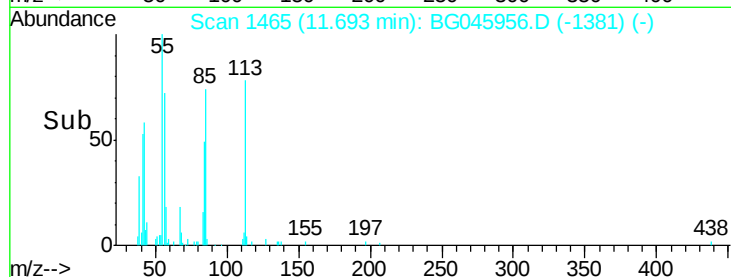
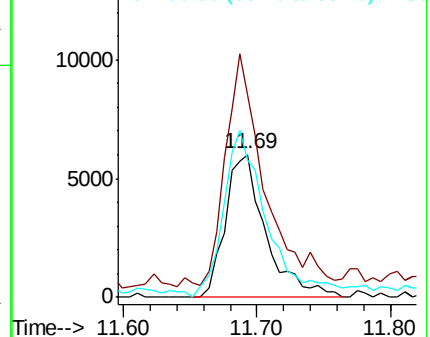
56 96.2 89.6 129.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 3.588 ng

RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

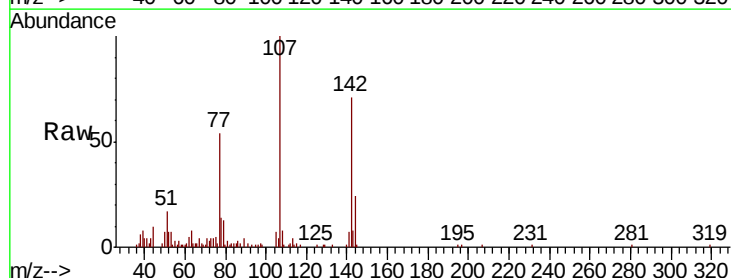
Tgt Ion:107 Resp: 36233

Ion Ratio Lower Upper

107 100

144 24.3 20.0 30.0

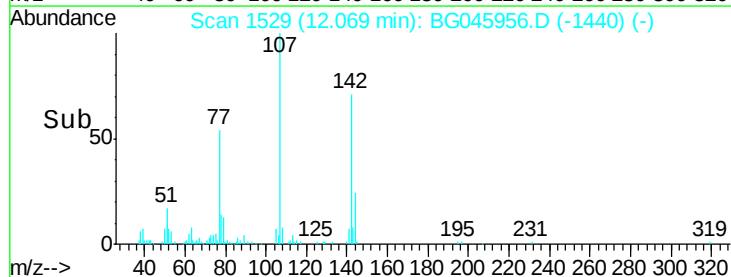
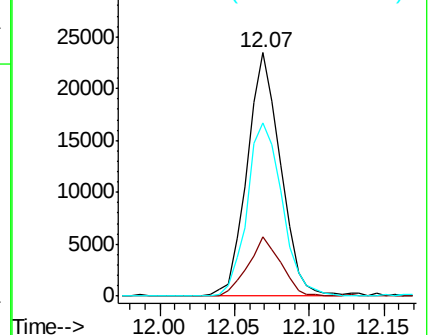
142 70.9 61.1 91.7

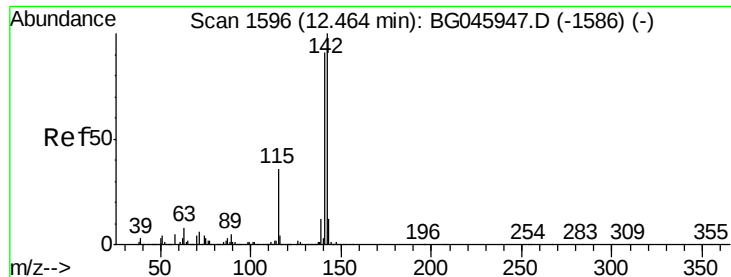


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.016 ng

RT: 12.46 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

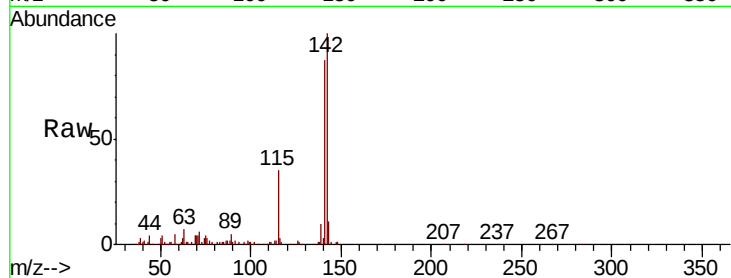
Tot Ion:142 Resp: 86808

Ion Ratio Lower Upper

142 100

141 87.2 73.0 109.6

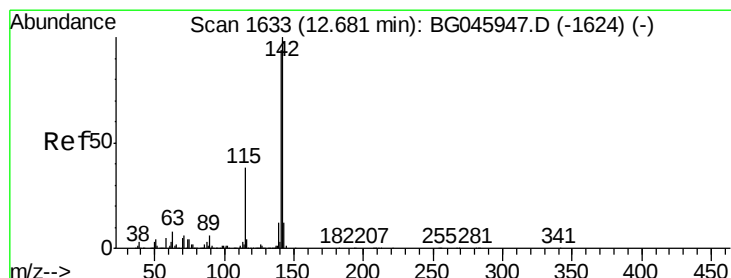
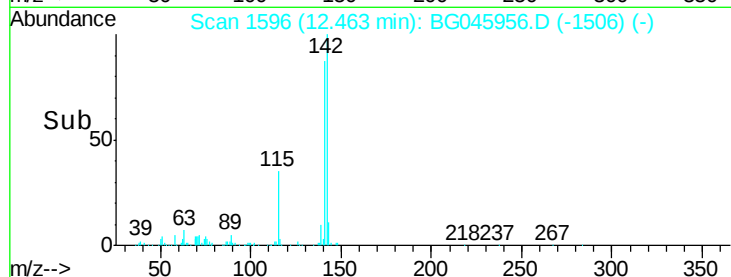
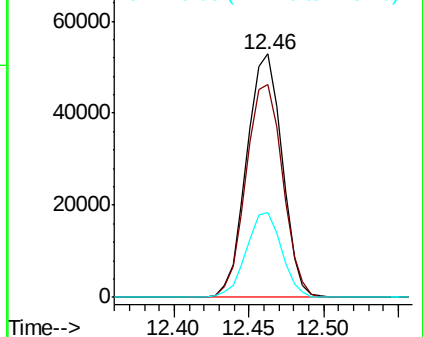
115 34.7 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 4.010 ng

RT: 12.68 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

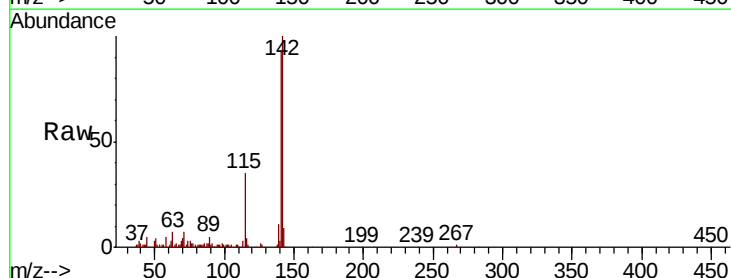
Tgt Ion:142 Resp: 81814

Ion Ratio Lower Upper

142 100

141 93.4 75.2 112.8

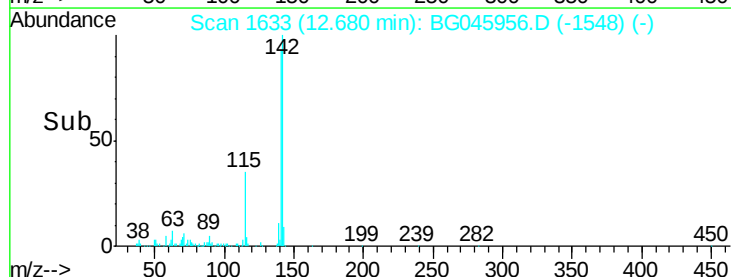
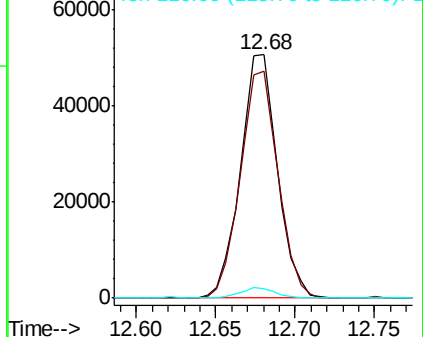
116 4.0 3.1 4.7

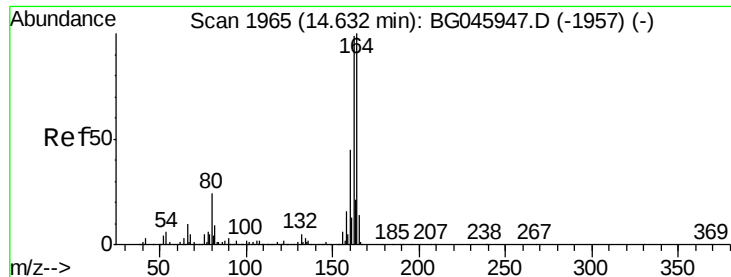


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

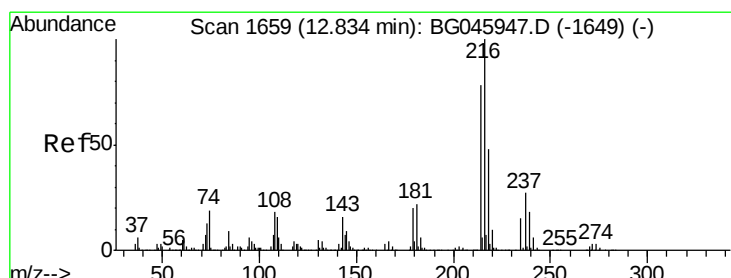
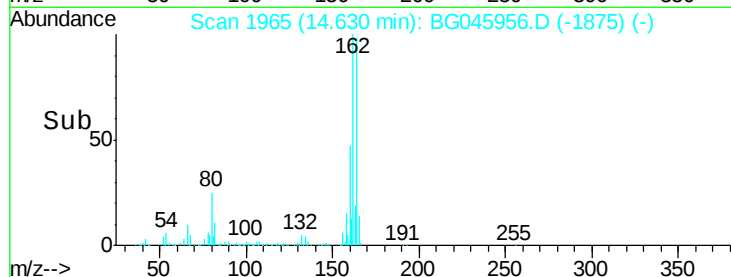
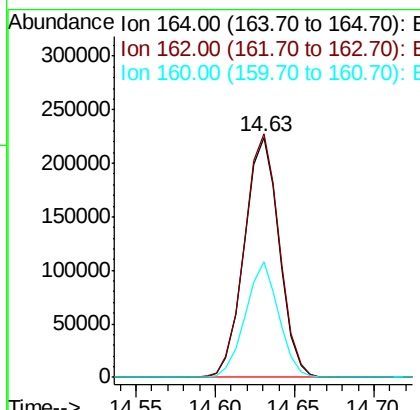
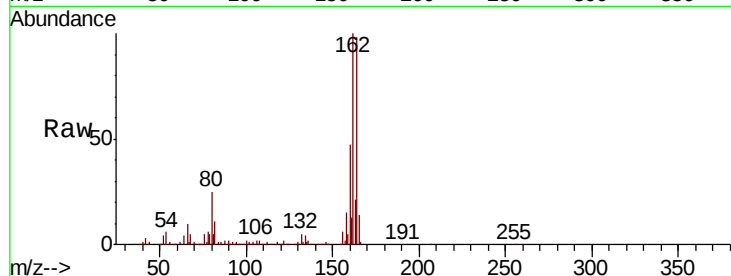




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

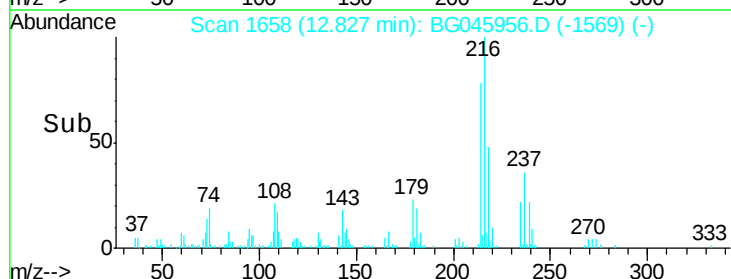
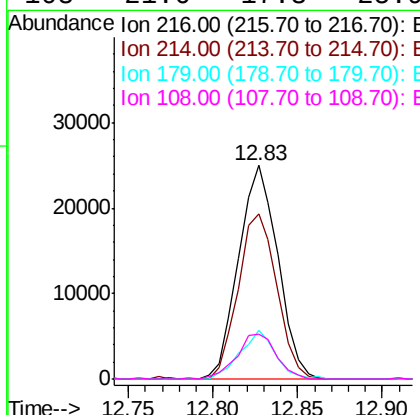
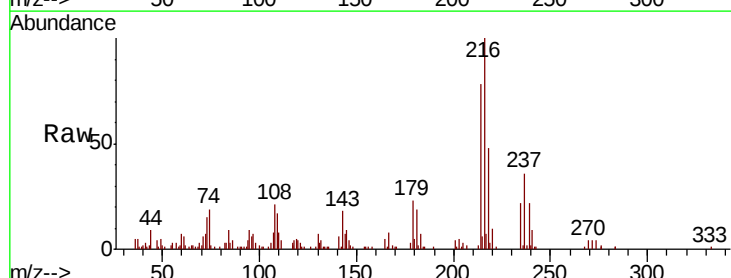
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

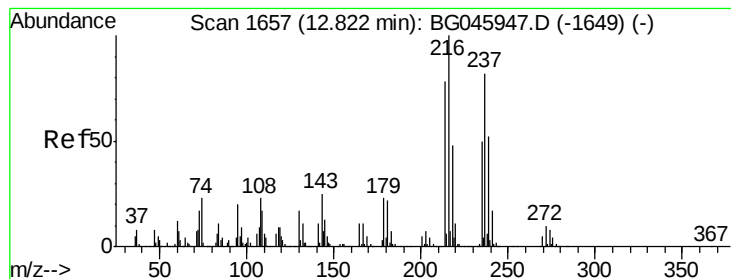
Tot Ion:164 Resp: 340771
Ion Ratio Lower Upper
164 100
162 101.5 79.3 118.9
160 48.1 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.190 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:216 Resp: 40246
Ion Ratio Lower Upper
216 100
214 76.1 63.0 94.4
179 20.7 17.0 25.6
108 21.6 17.3 25.9





#41

Hexachlorocyclopentadiene

Concen: 3.689 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

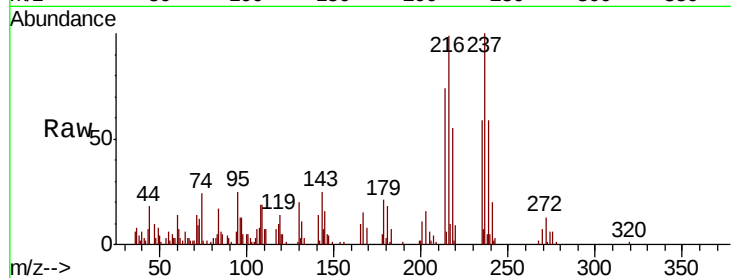
Tot Ion:237 Resp: 21025

Ion Ratio Lower Upper

237 100

235 58.7 41.5 81.5

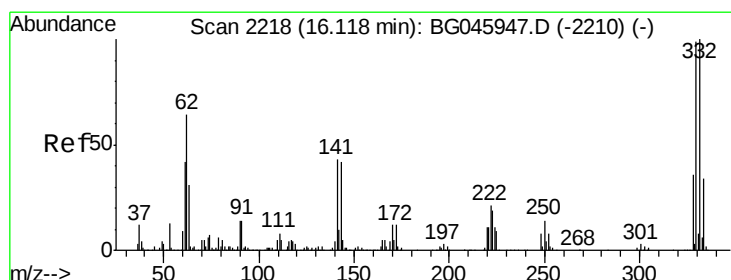
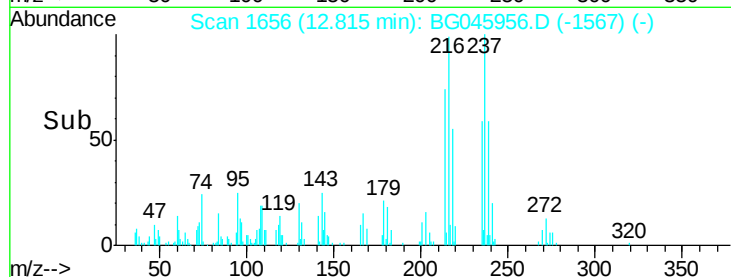
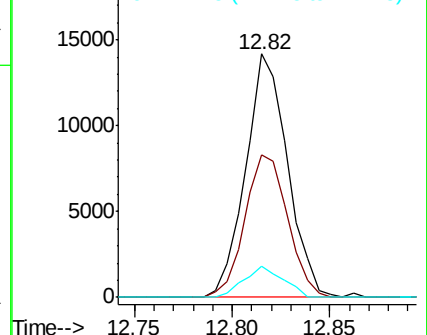
272 12.9 0.0 31.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 114.344 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

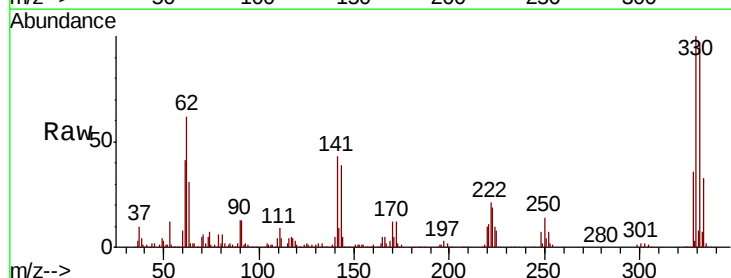
Tgt Ion:330 Resp: 361637

Ion Ratio Lower Upper

330 100

332 97.1 78.3 117.5

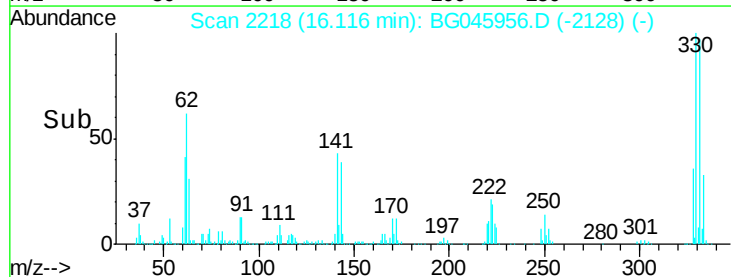
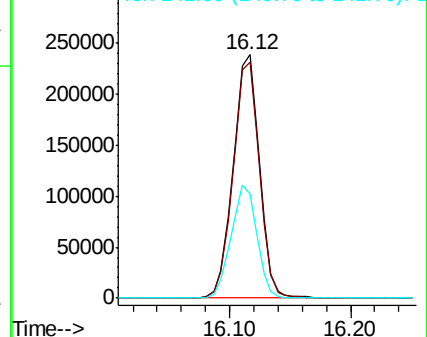
141 45.6 36.6 54.8

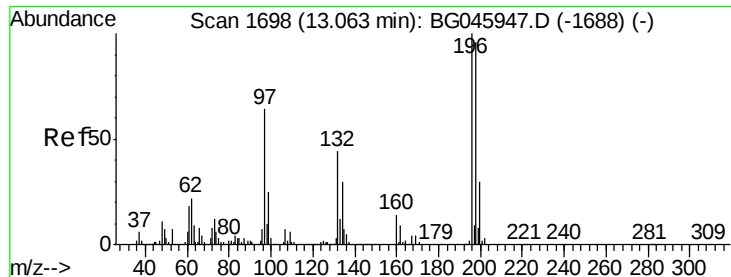


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

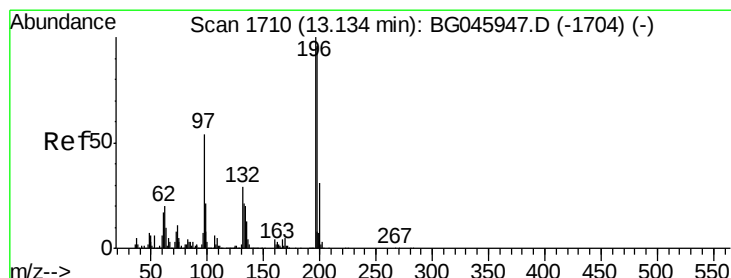
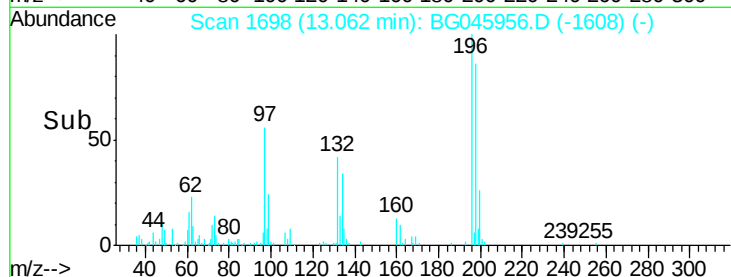
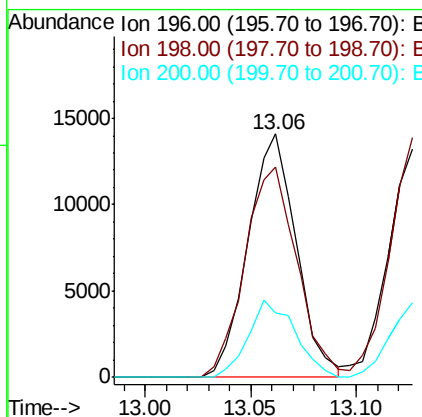
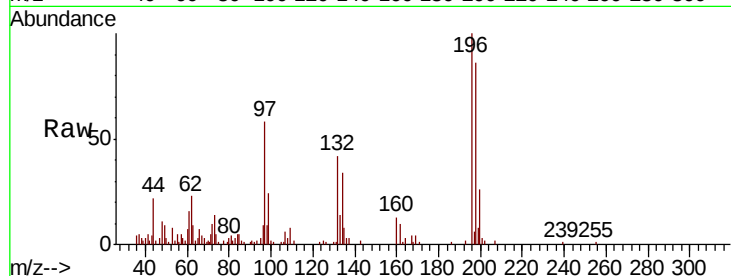




#43
 2,4,6-Trichlorophenol
 Concen: 3.442 ng
 RT: 13.06 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

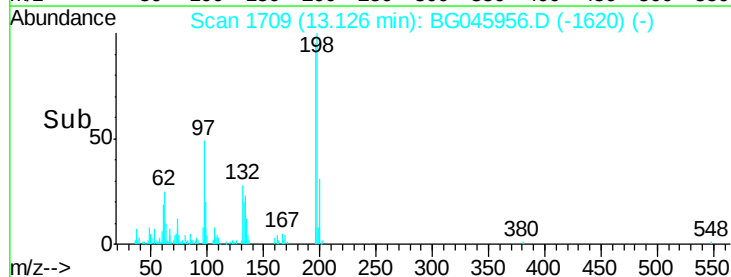
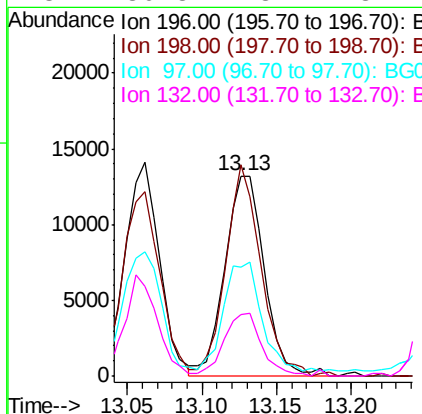
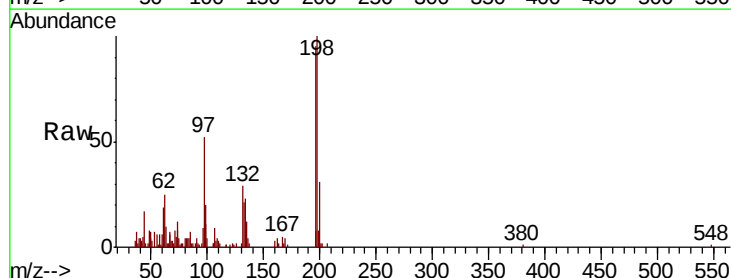
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

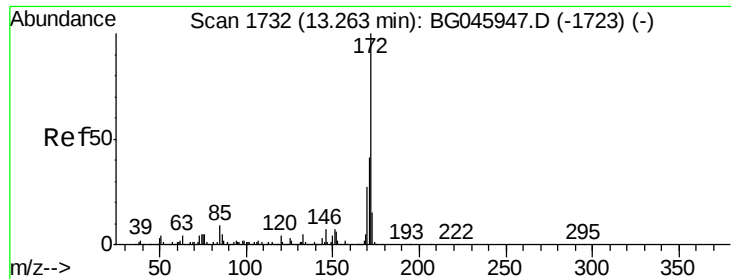
Tot Ion:196 Resp: 22361
 Ion Ratio Lower Upper
 196 100
 198 86.2 76.7 115.1
 200 26.3 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 3.325 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion:196 Resp: 24427
 Ion Ratio Lower Upper
 196 100
 198 105.4 77.0 115.6
 97 54.6 44.3 66.5
 132 30.8 23.1 34.7



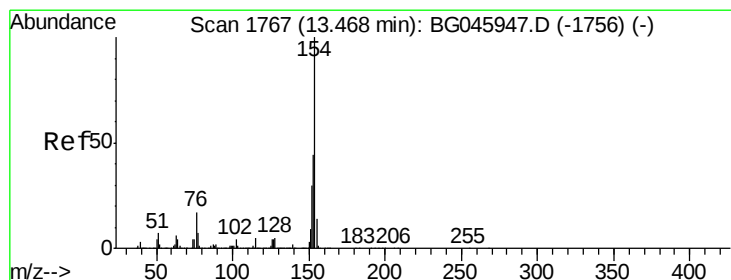
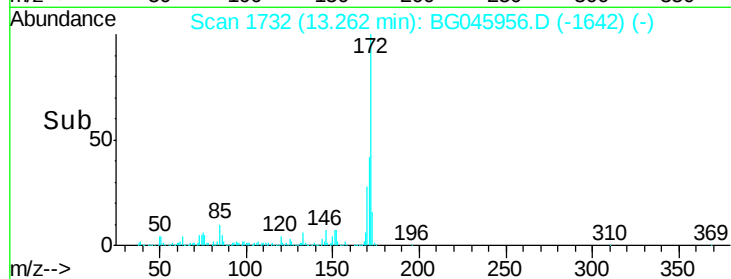
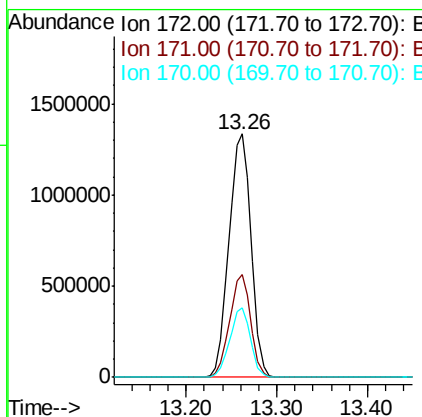
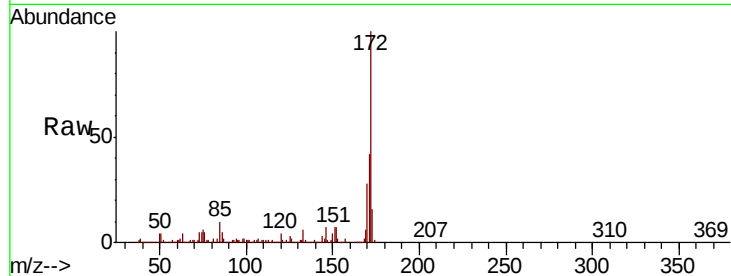


#45
 2-Fluorobiphenyl
 Concen: 103.354 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 2257957

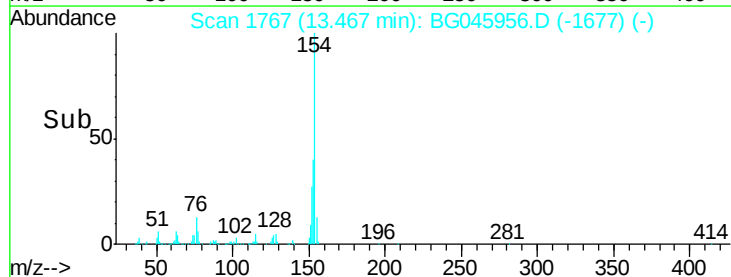
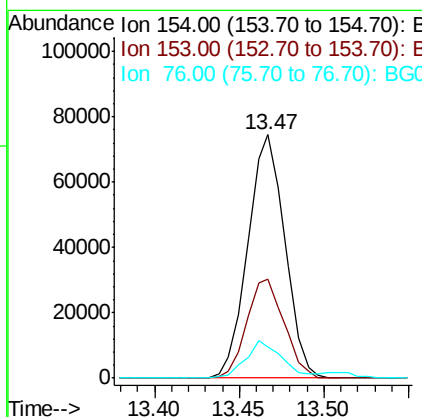
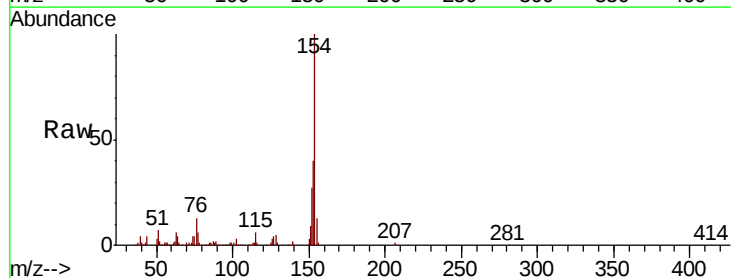
Ion	Ratio	Lower	Upper
172	100		
171	42.0	32.9	49.3
170	28.5	21.8	32.6

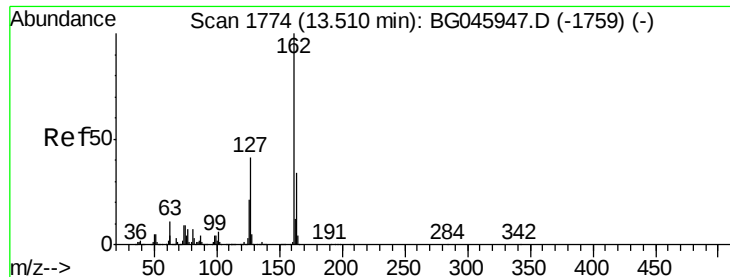


#46
 1,1'-Biphenyl
 Concen: 4.419 ng
 RT: 13.47 min Scan# 1767
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion:154 Resp: 113281

Ion	Ratio	Lower	Upper
154	100		
153	40.4	23.6	63.6
76	13.0	0.0	36.9

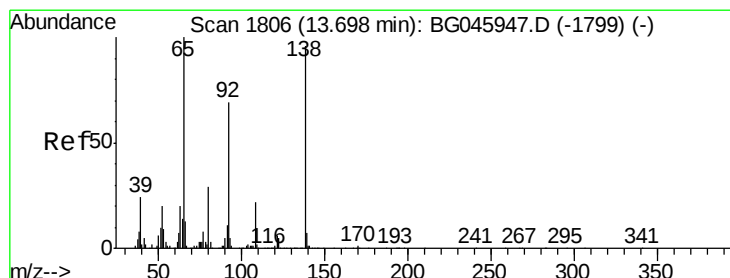
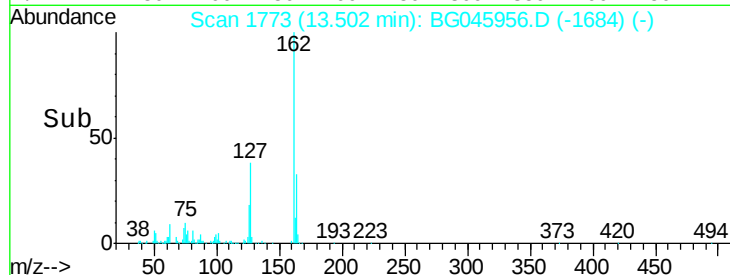
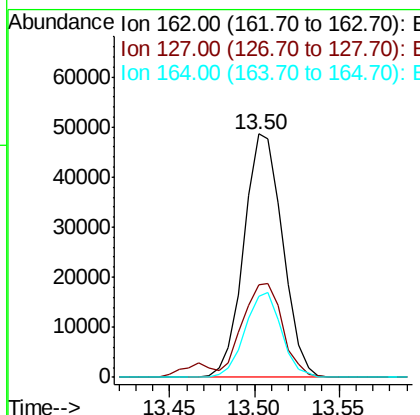
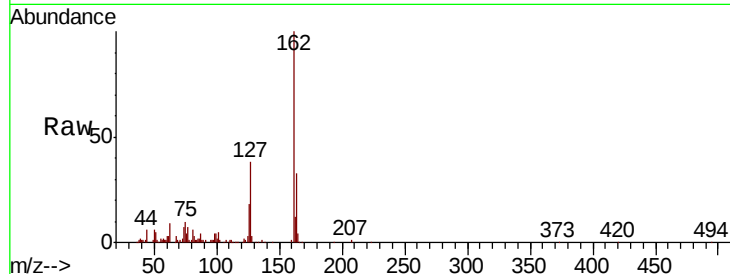




#47
 2-Chloronaphthalene
 Concen: 3.824 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

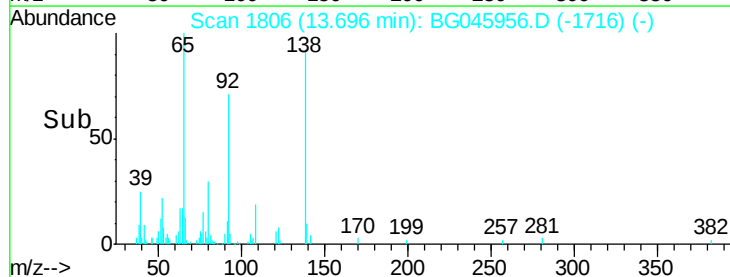
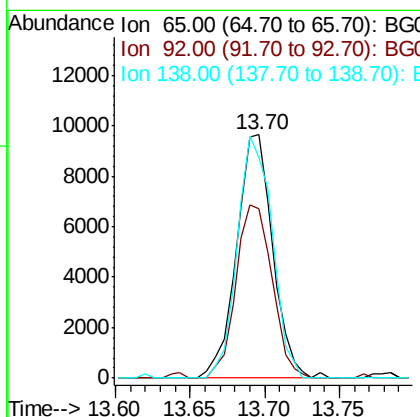
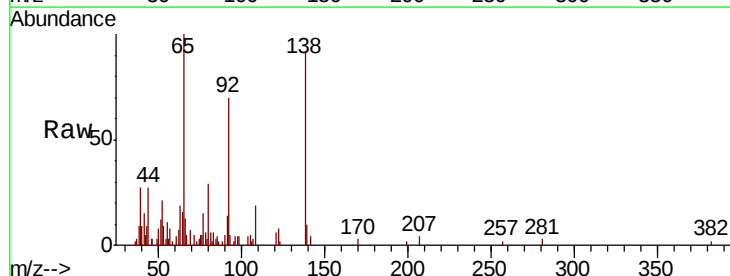
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

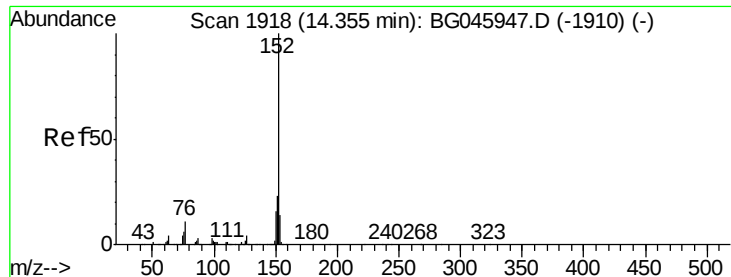
Tot Ion:162 Resp: 77345
 Ion Ratio Lower Upper
 162 100
 127 37.9 32.5 48.7
 164 33.4 27.2 40.8



#48
 2-Nitroaniline
 Concen: 3.425 ng
 RT: 13.70 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion: 65 Resp: 16214
 Ion Ratio Lower Upper
 65 100
 92 69.8 55.4 83.0
 138 90.7 77.0 115.4





#49

Acenaphthylene

Concen: 4.019 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

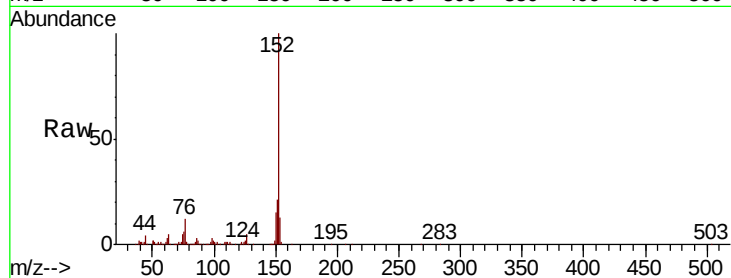
Tot Ion:152 Resp: 131157

Ion Ratio Lower Upper

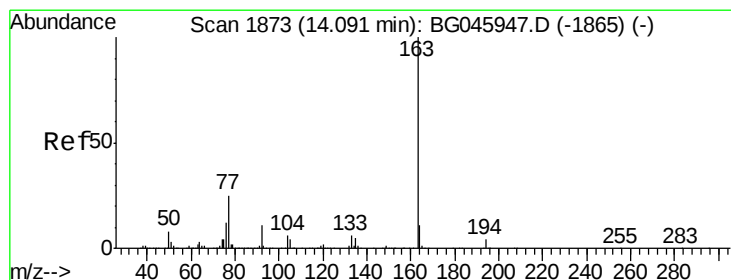
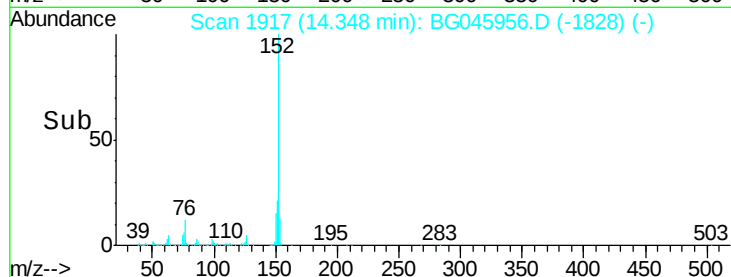
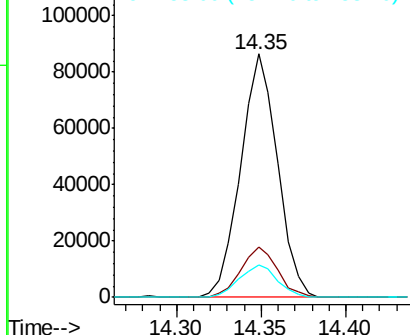
152 100

151 20.8 18.1 27.1

153 13.1 11.5 17.3



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



#50

Dimethylphthalate

Concen: 3.738 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

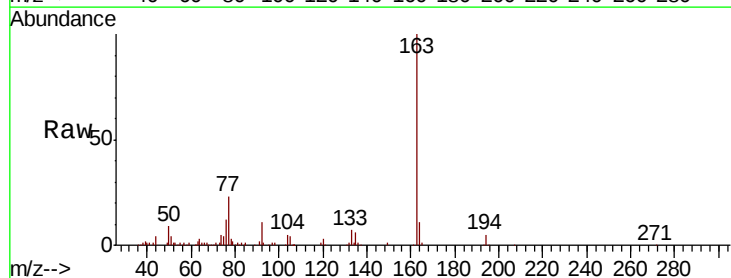
Tgt Ion:163 Resp: 95605

Ion Ratio Lower Upper

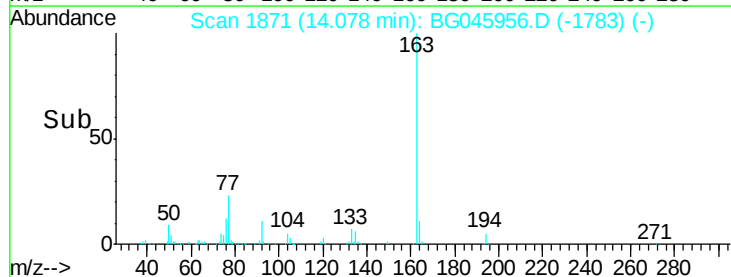
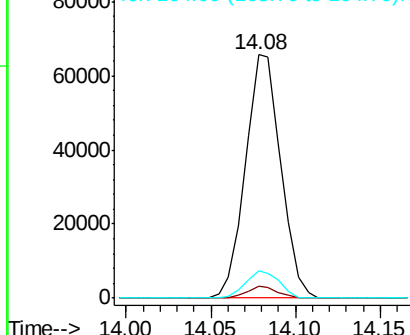
163 100

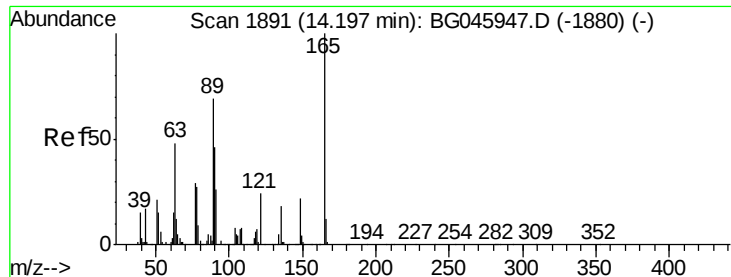
194 4.7 3.6 5.4

164 11.5 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 3.308 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

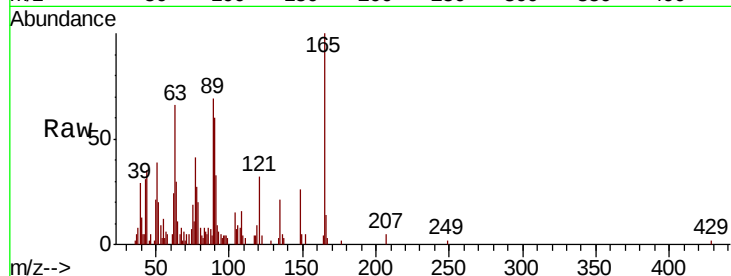
Tot Ion:165 Resp: 13126

Ion Ratio Lower Upper

165 100

63 66.4 51.0 76.4

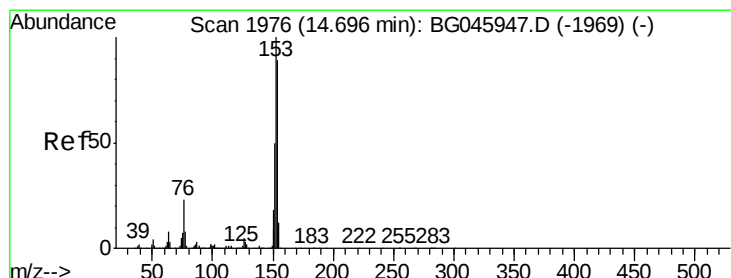
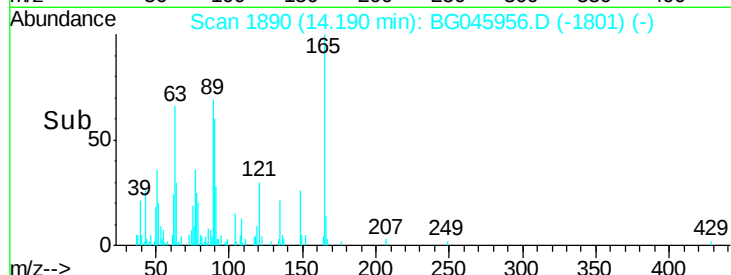
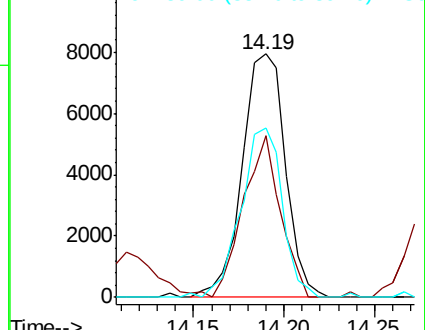
89 69.4 55.7 83.5



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



#52

Acenaphthene

Concen: 3.804 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

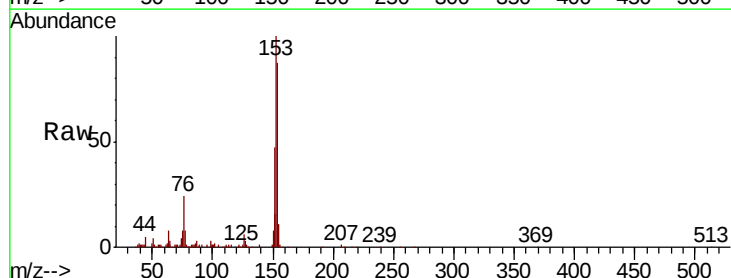
Tgt Ion:154 Resp: 78298

Ion Ratio Lower Upper

154 100

153 115.5 89.7 134.5

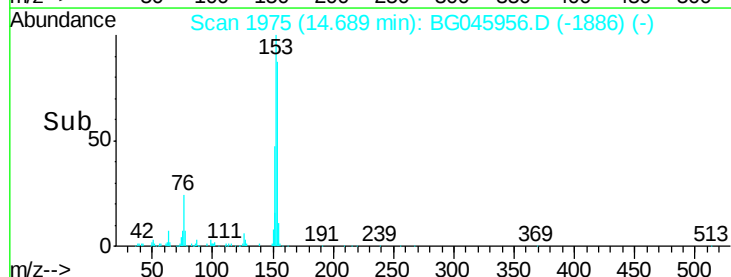
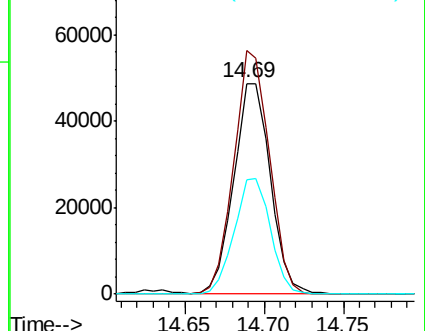
152 54.4 44.7 67.1

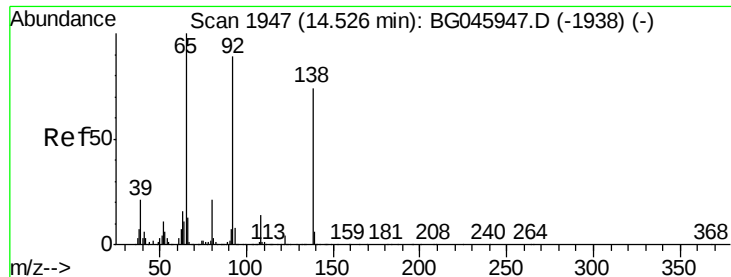


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

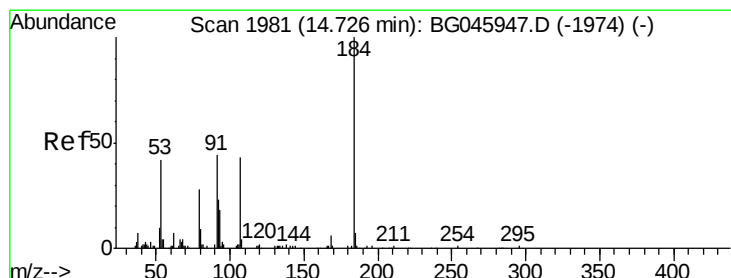
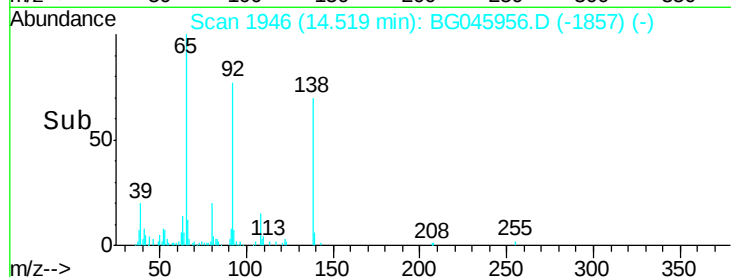
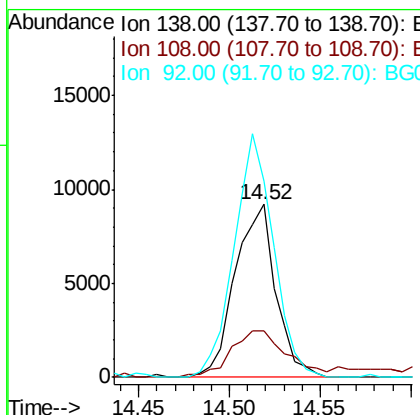
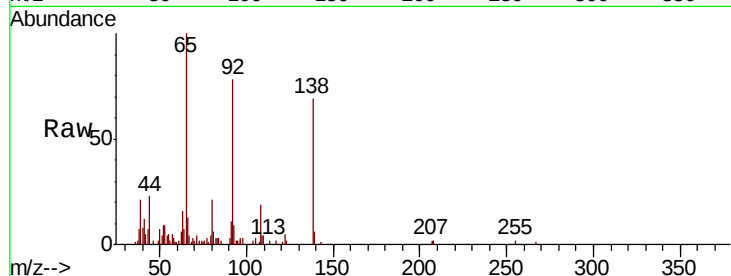




#53
3-Nitroaniline
Concen: 2.932 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

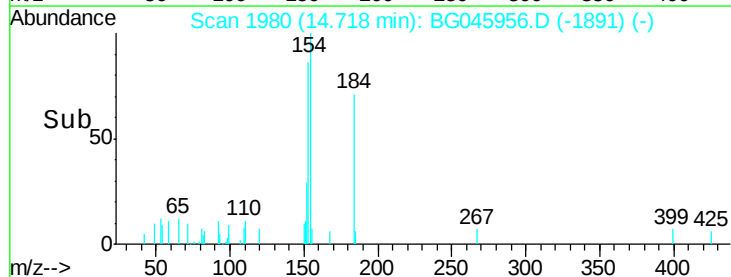
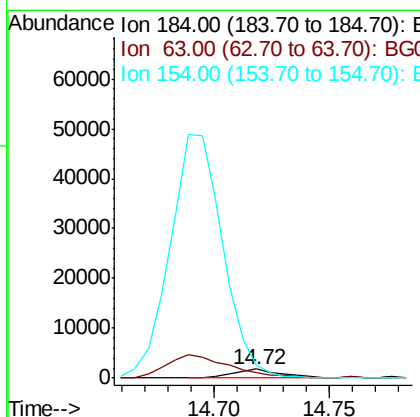
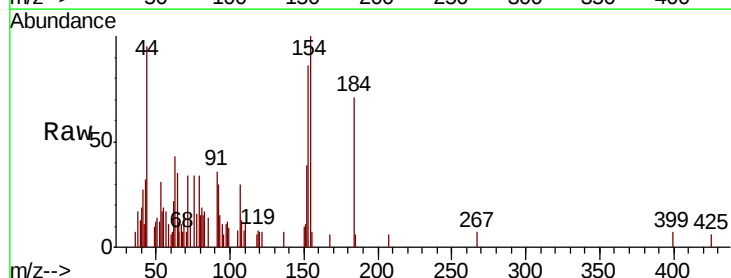
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

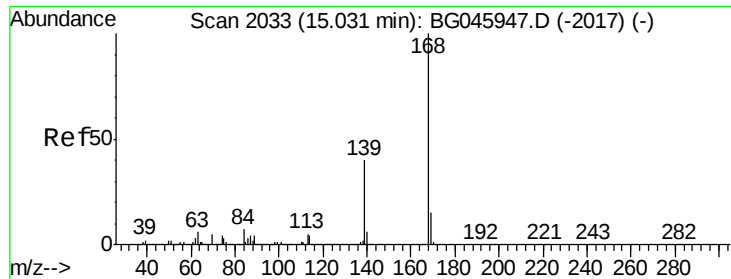
Tot Ion:138 Resp: 14419
Ion Ratio Lower Upper
138 100
108 26.9 15.4 23.2#
92 113.1 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 1.899 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:184 Resp: 2658
Ion Ratio Lower Upper
184 100
63 61.0 46.0 69.0
154 140.9 58.2 87.2#

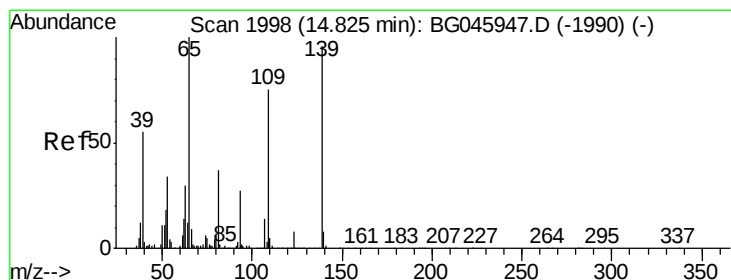
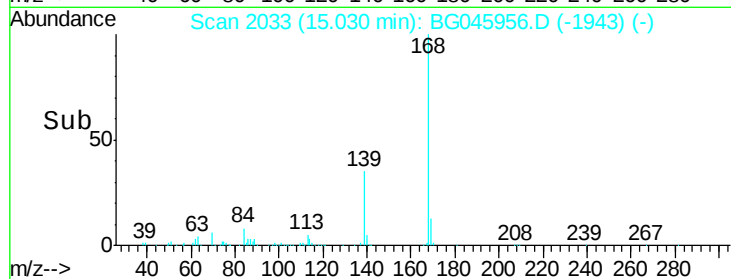
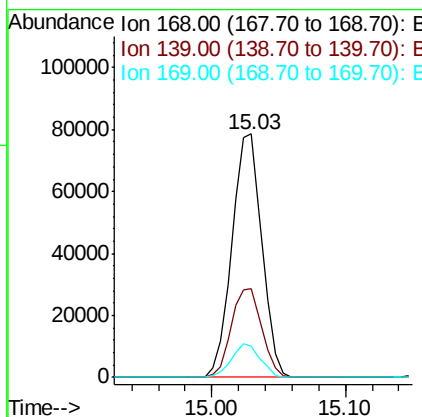
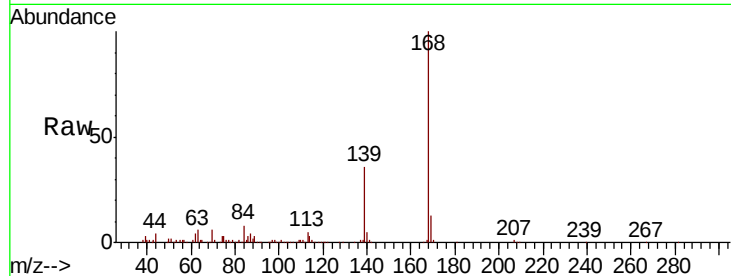




#55
Dibenzofuran
Concen: 4.056 ng
RT: 15.03 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

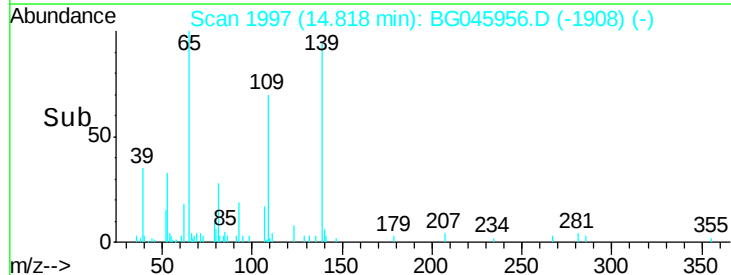
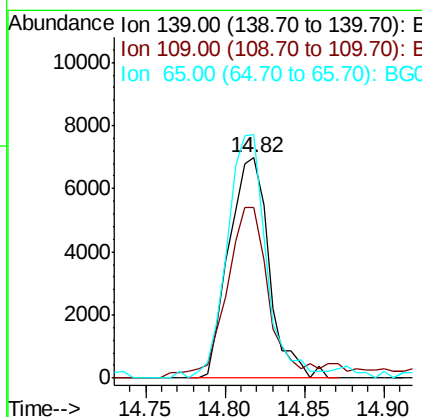
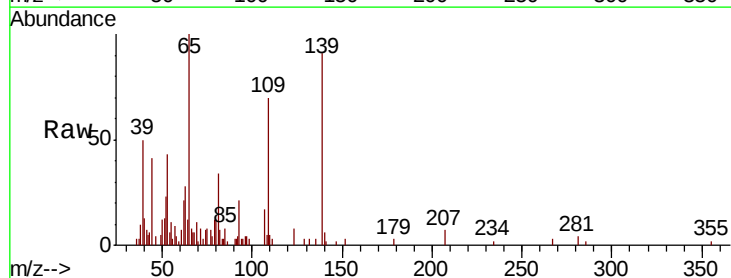
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

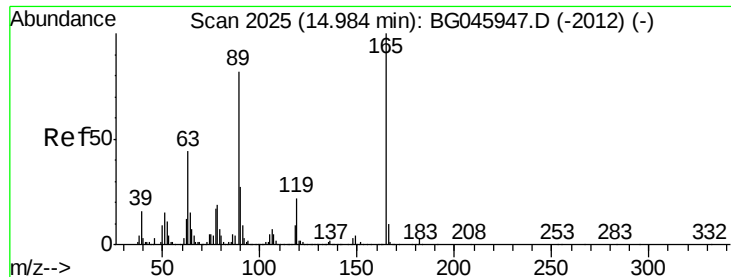
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.2	48.2
169	12.9	11.8	17.8



#56
4-Nitrophenol
Concen: 2.945 ng
RT: 14.82 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.4	58.5	98.5
65	110.4	84.7	124.7

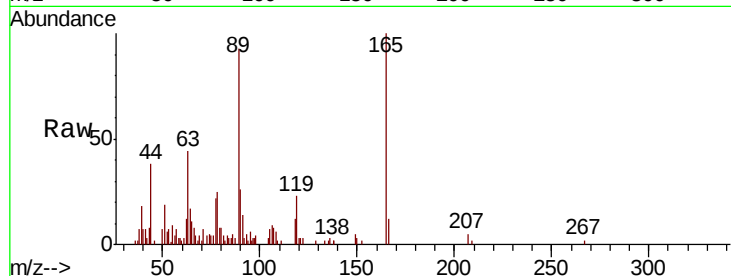




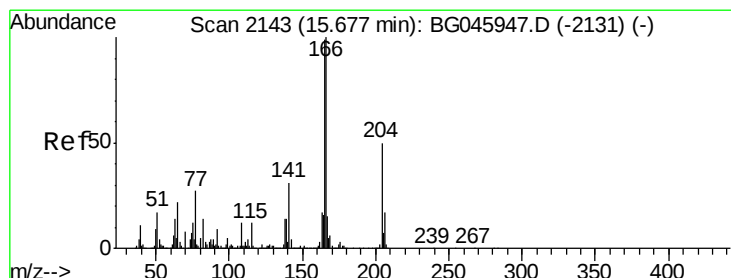
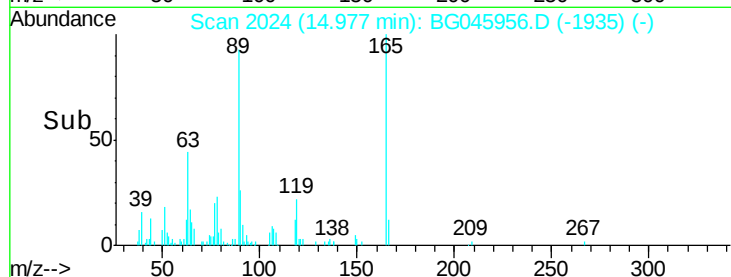
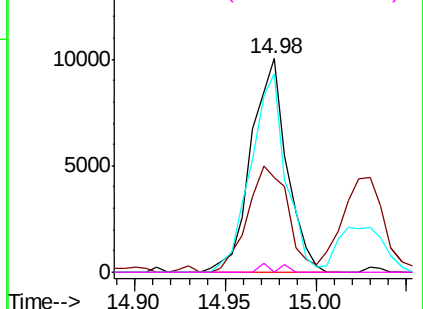
#57
2,4-Dinitrotoluene
Concen: 2.810 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165 Resp: 13776
Ion Ratio Lower Upper
165 100
63 44.2 35.4 53.0
89 93.2 65.4 98.2
182 0.0 2.0 3.0#

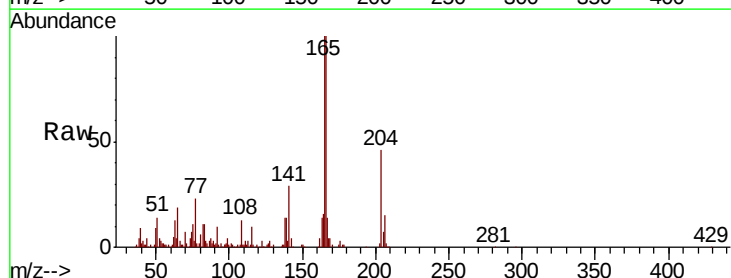


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

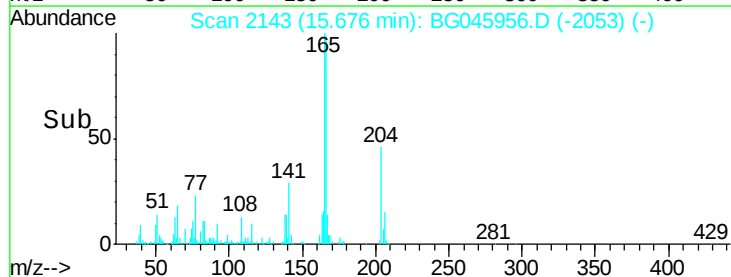
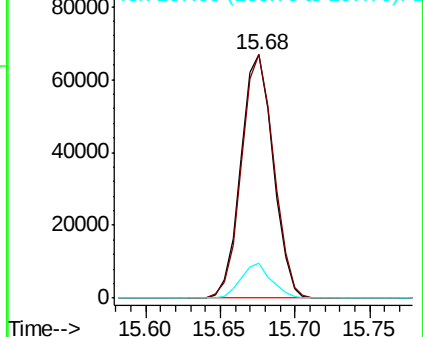


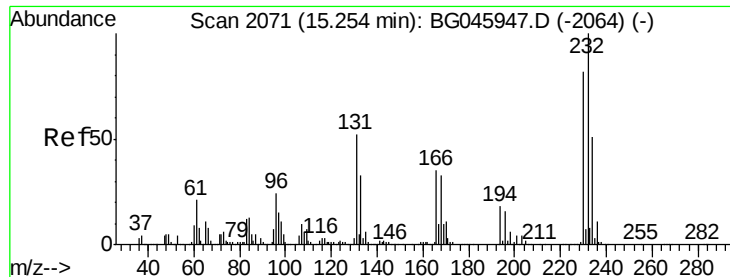
#58
Fluorene
Concen: 4.038 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:166 Resp: 99956
Ion Ratio Lower Upper
166 100
165 99.9 78.9 118.3
167 14.3 12.1 18.1



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

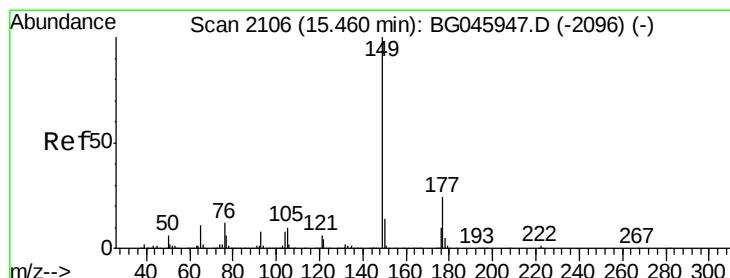
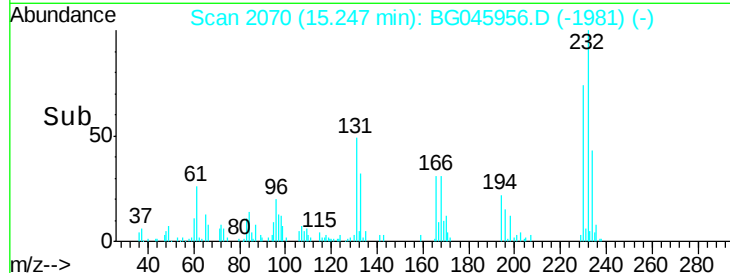
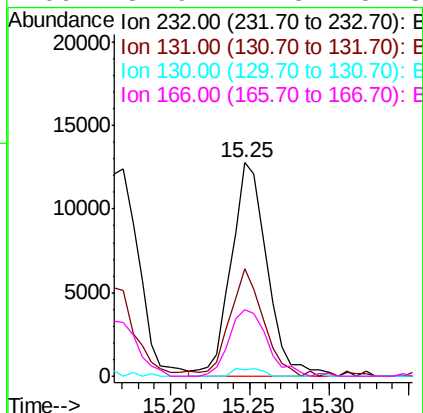
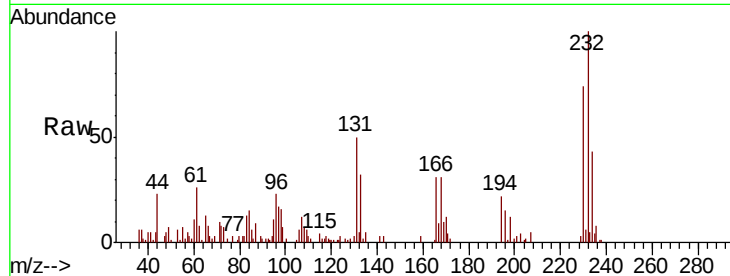




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.547 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

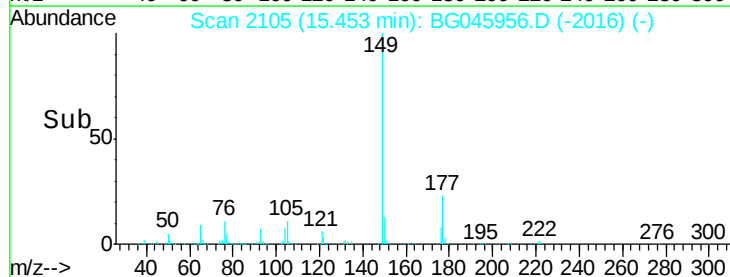
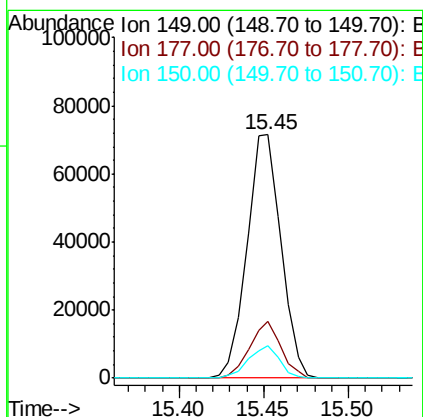
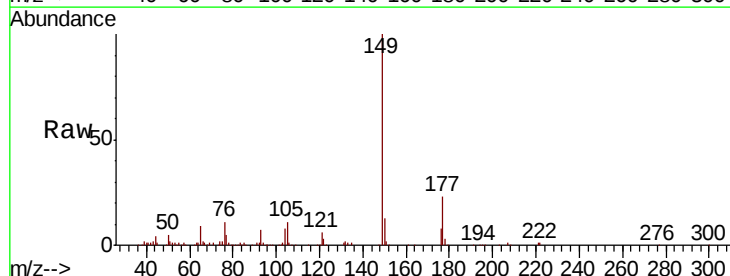
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

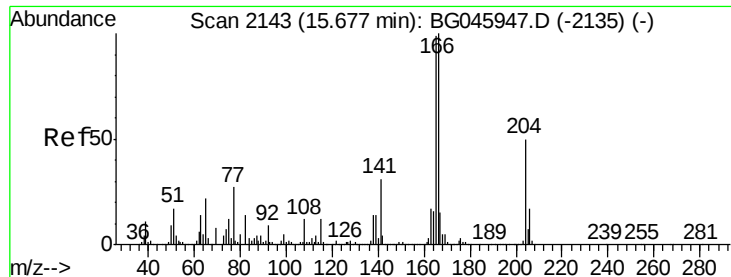
Tot Ion:232	Resp:	20116
Ion Ratio	Lower	Upper
232 100		
131 47.9	35.8	53.6
130 2.8	2.5	3.7
166 32.9	21.8	32.8#



#60
 Diethylphthalate
 Concen: 3.754 ng
 RT: 15.45 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion:149	Resp: 100690
Ion Ratio	Lower Upper
149 100	
177 23.1	19.0 28.4
150 13.2	11.0 16.4

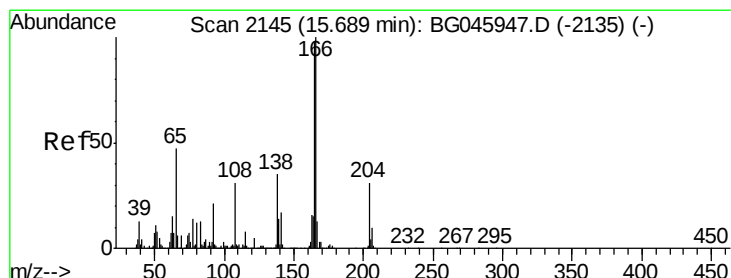
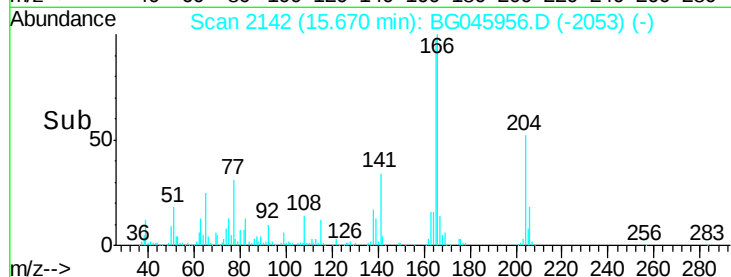
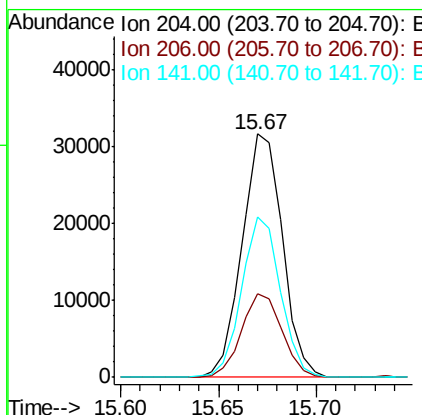
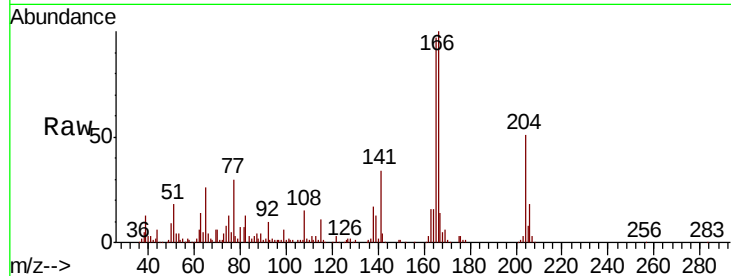




#61
4-Chlorophenyl-phenylether
Concen: 3.688 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

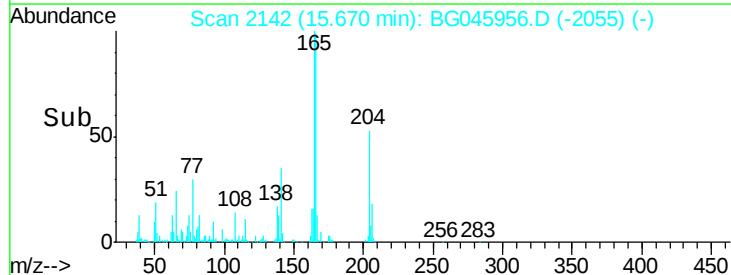
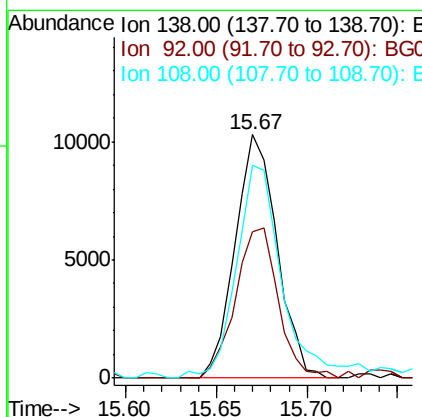
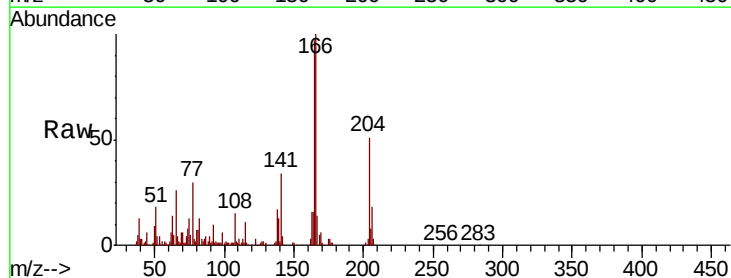
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

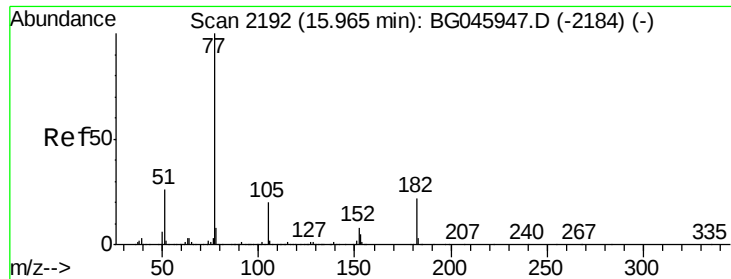
Tot Ion:204 Resp: 45416
Ion Ratio Lower Upper
204 100
206 34.3 27.1 40.7
141 66.1 49.8 74.8



#62
4-Nitroaniline
Concen: 3.130 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:138 Resp: 16542
Ion Ratio Lower Upper
138 100
92 60.3 40.3 80.3
108 87.5 68.0 108.0

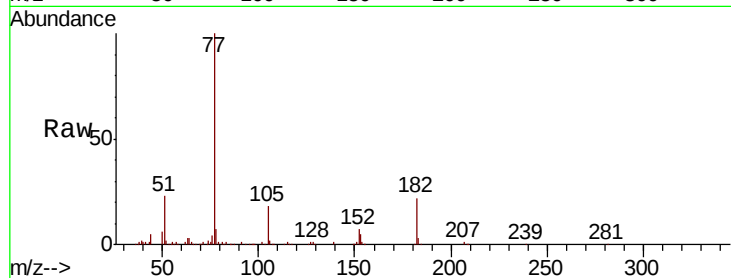




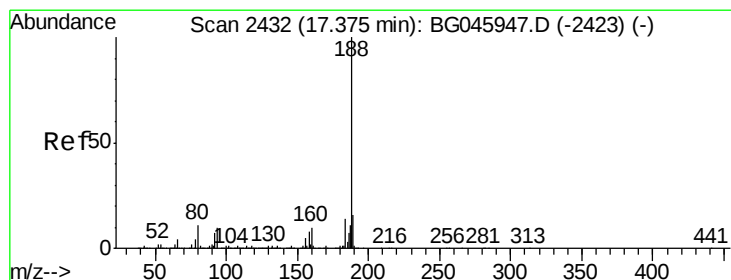
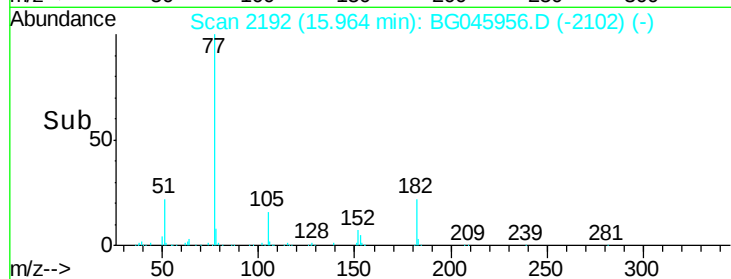
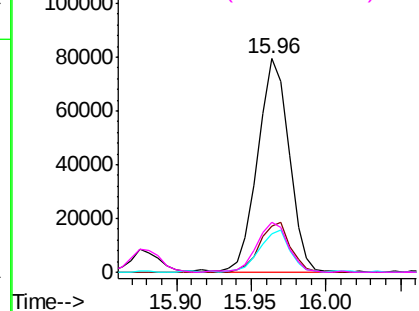
#63
Azobenzene
Concen: 4.027 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	77	Resp:	115913
Ion	Ratio	Lower	Upper
77	100		
182	21.7	2.4	42.4
105	18.2	0.3	40.3
51	23.1	6.3	46.3

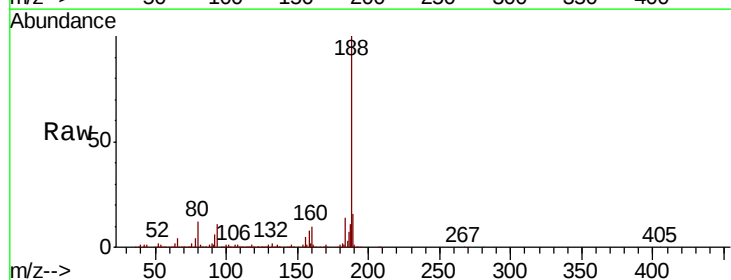


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

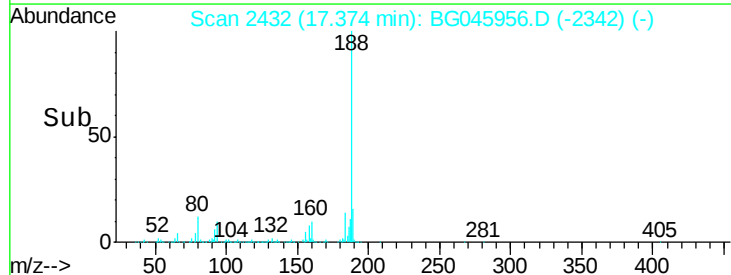
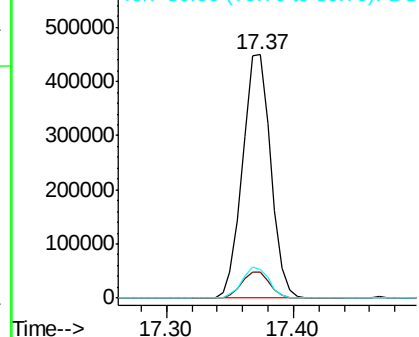


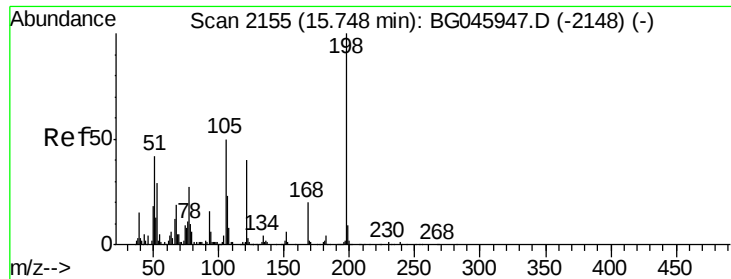
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:	188	Resp:	690695
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.4
80	12.0	9.0	13.6



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

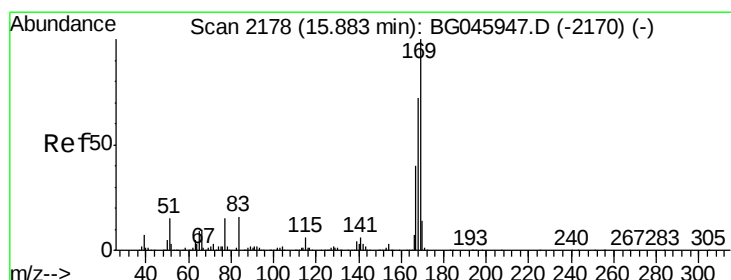
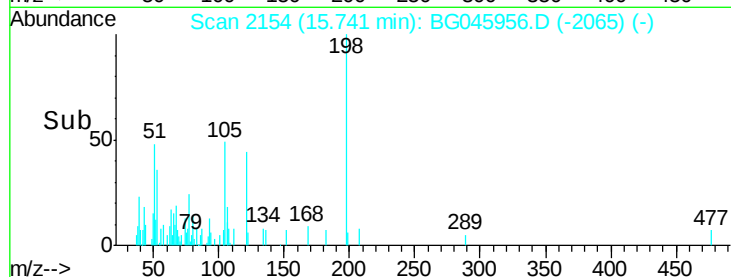
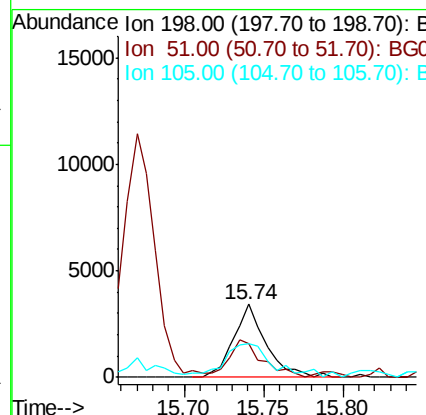
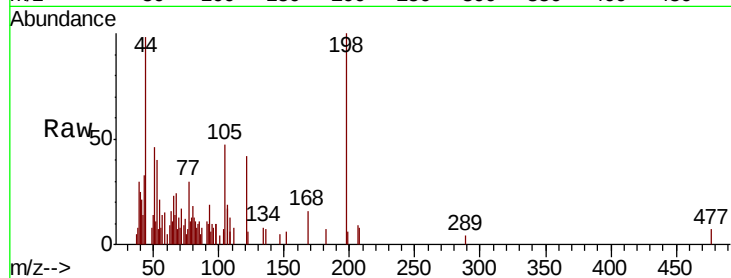




#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.399 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

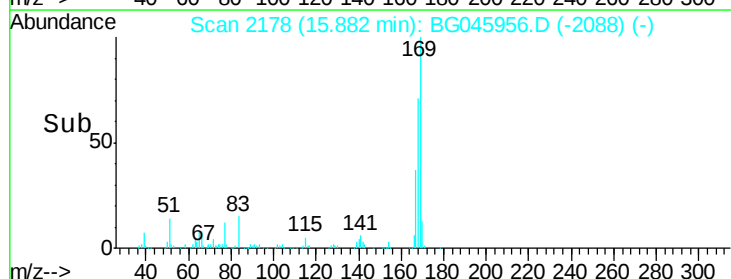
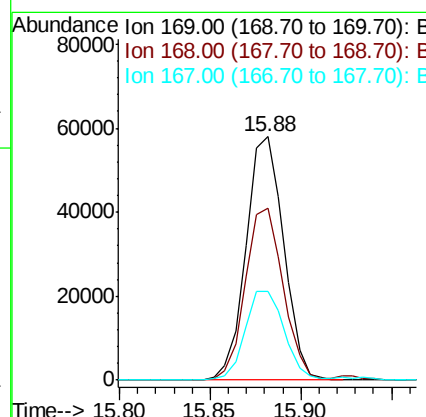
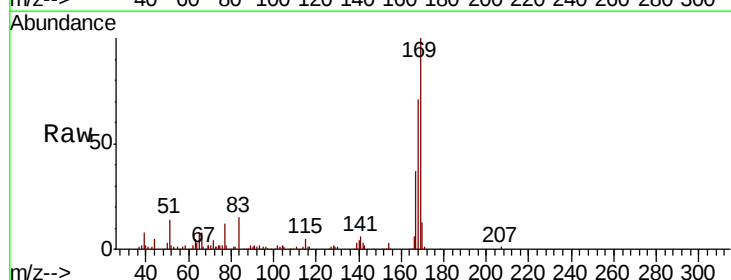
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

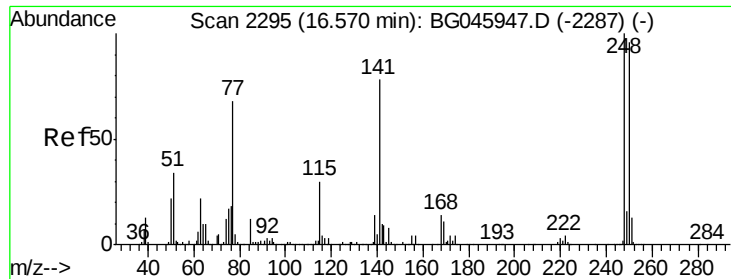
Tot Ion:198 Resp: 4853
 Ion Ratio Lower Upper
 198 100
 51 45.7 24.5 64.5
 105 46.6 30.9 70.9



#66
 n-Nitrosodiphenylamine
 Concen: 3.917 ng
 RT: 15.88 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion:169 Resp: 83845
 Ion Ratio Lower Upper
 169 100
 168 70.5 57.3 85.9
 167 36.6 32.1 48.1

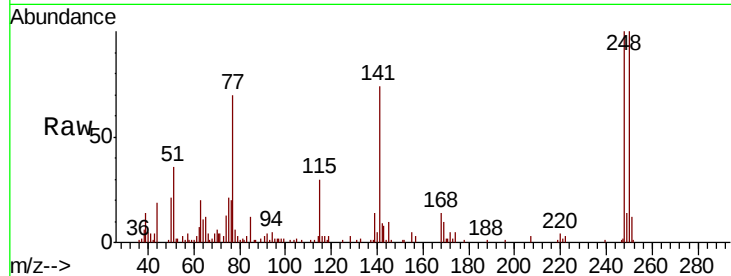




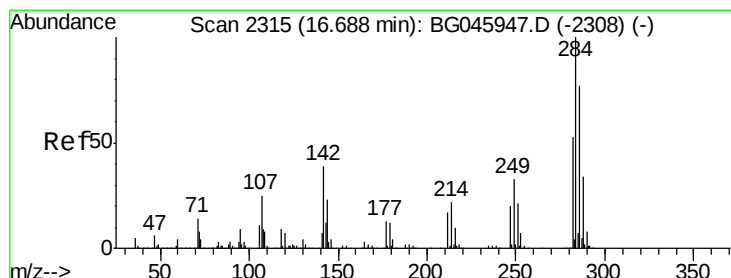
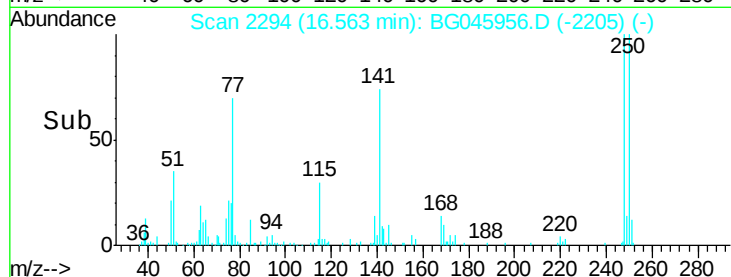
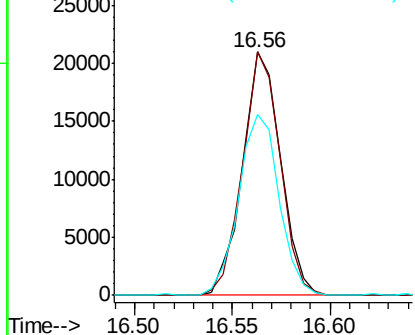
#67
4-Bromophenyl-phenylether
Concen: 3.680 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:248 Resp: 28384
Ion Ratio Lower Upper
248 100
250 99.9 76.6 114.8
141 74.1 62.7 94.1

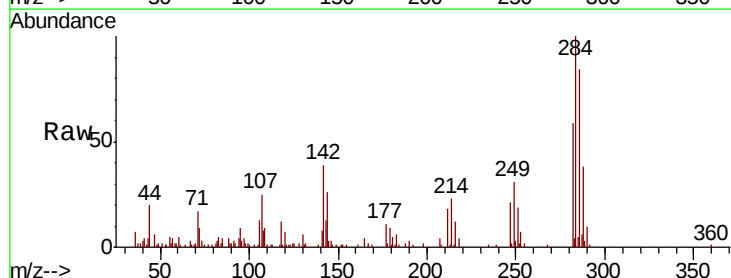


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

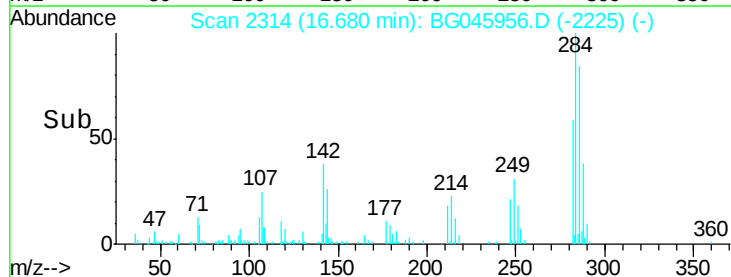
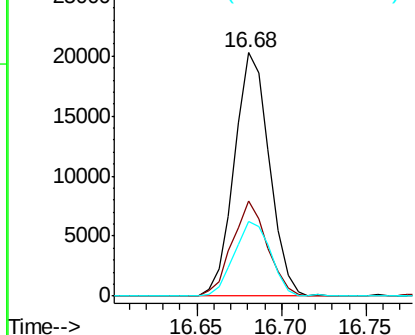


#68
Hexachlorobenzene
Concen: 3.767 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:284 Resp: 29158
Ion Ratio Lower Upper
284 100
142 39.1 31.3 46.9
249 30.8 26.8 40.2



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





#69

Atrazine

Concen: 4.883 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

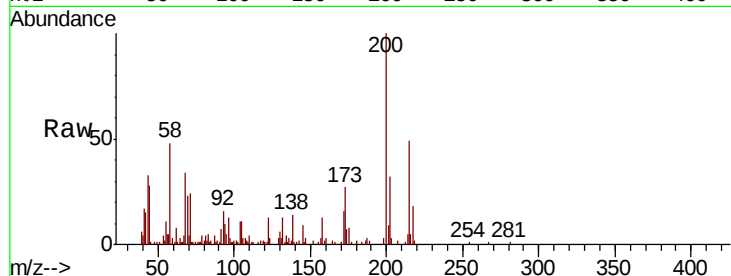
Tot Ion:200 Resp: 30903

Ion Ratio Lower Upper

200 100

173 26.6 9.1 49.1

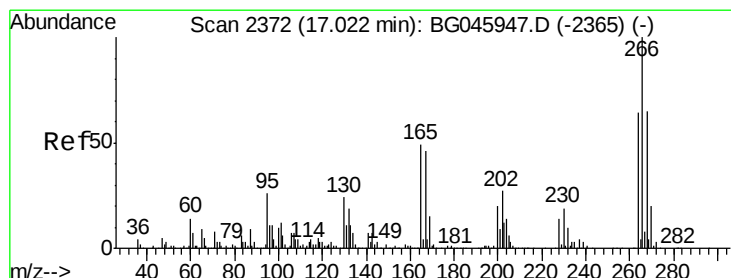
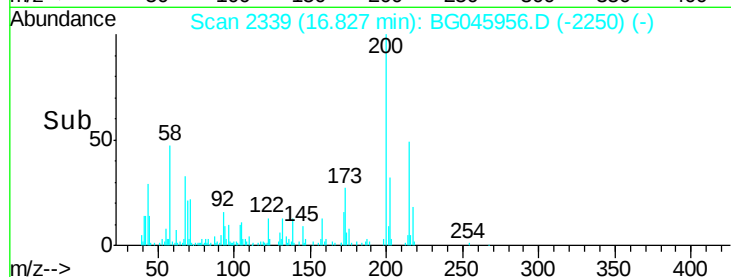
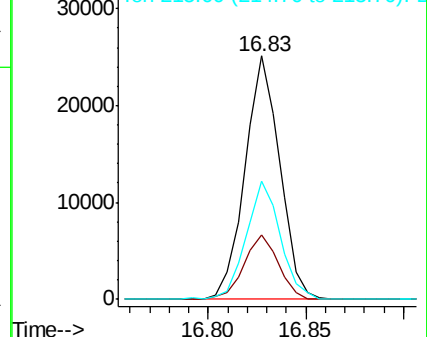
215 48.6 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 3.015 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

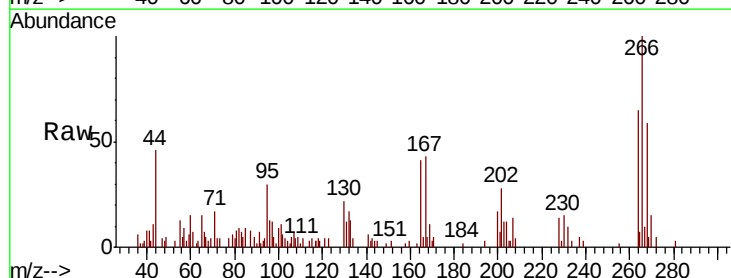
Tgt Ion:266 Resp: 12975

Ion Ratio Lower Upper

266 100

268 58.8 51.8 77.8

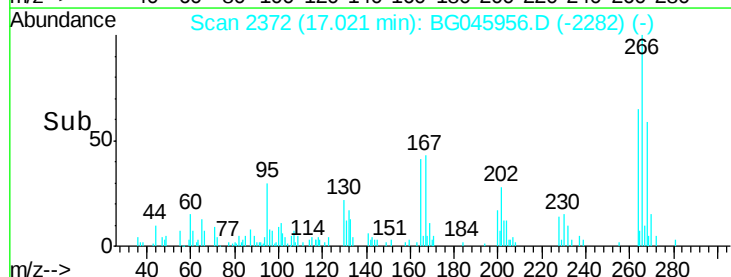
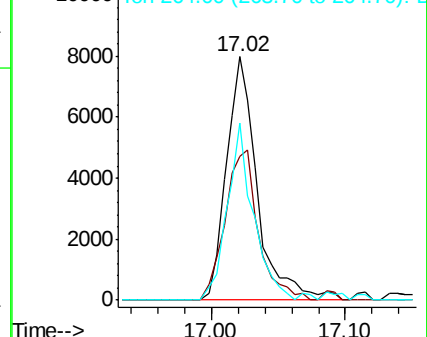
264 72.6 51.4 77.0

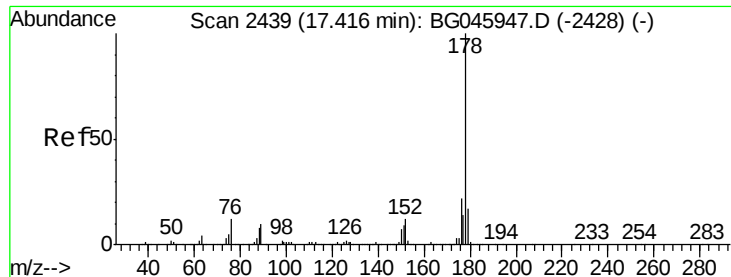


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

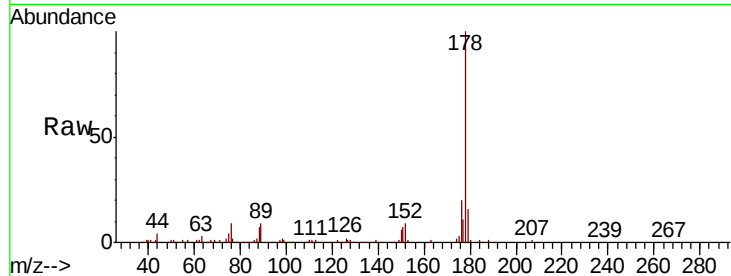




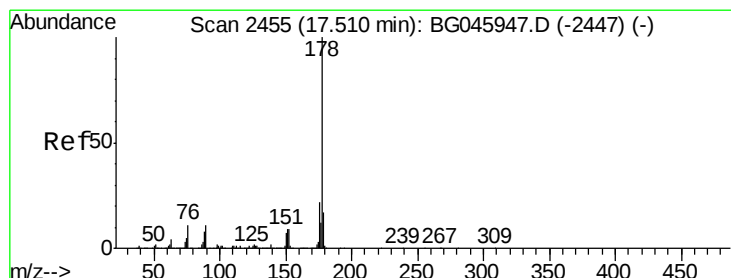
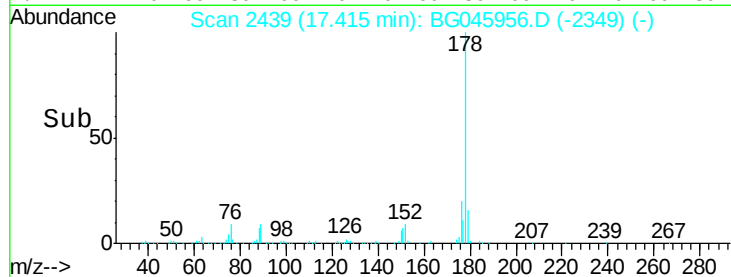
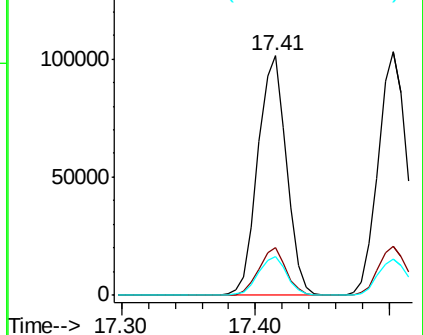
#71
Phenanthrene
Concen: 4.104 ng
RT: 17.41 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:178 Resp: 149854
Ion Ratio Lower Upper
178 100
176 20.0 17.4 26.2
179 16.5 13.4 20.2

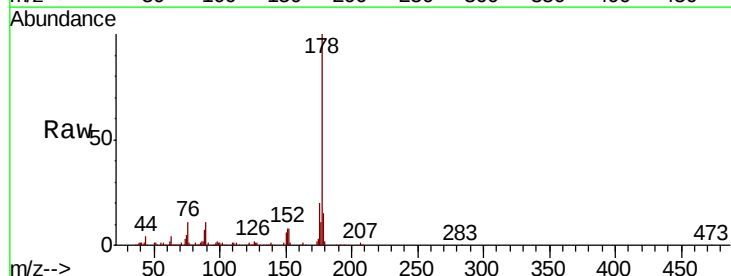


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

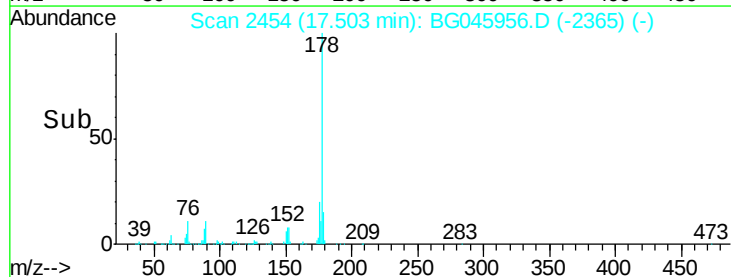
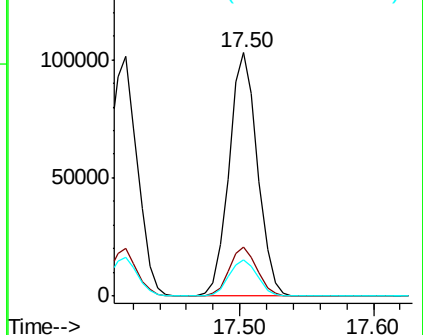


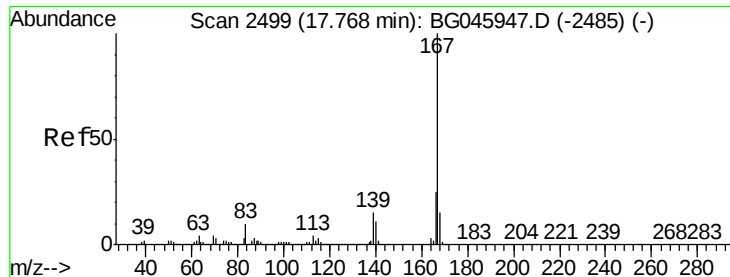
#72
Anthracene
Concen: 4.129 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:178 Resp: 152993
Ion Ratio Lower Upper
178 100
176 20.0 17.2 25.8
179 14.9 14.0 21.0



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

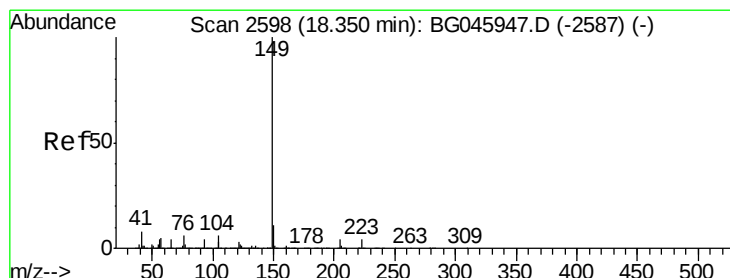
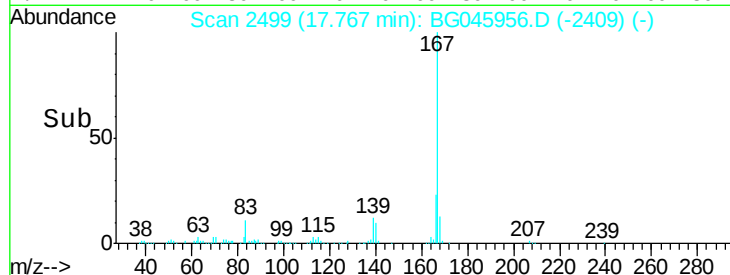
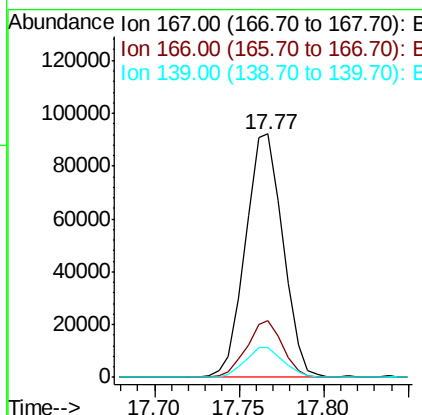
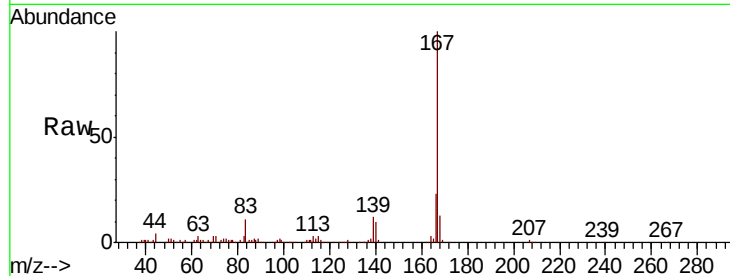




#73
 Carbazole
 Concen: 3.833 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

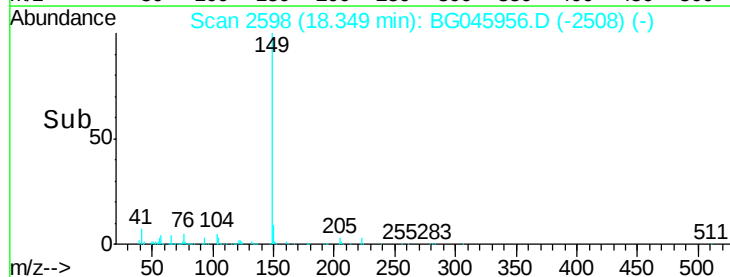
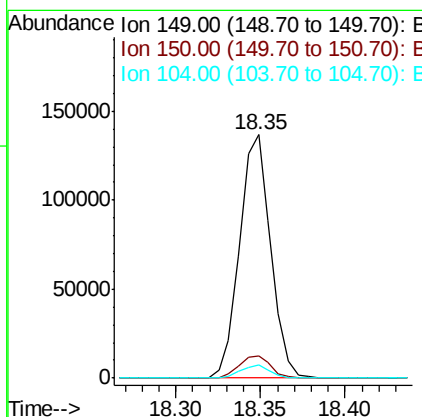
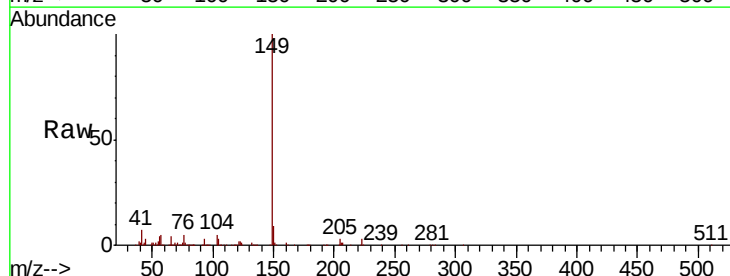
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

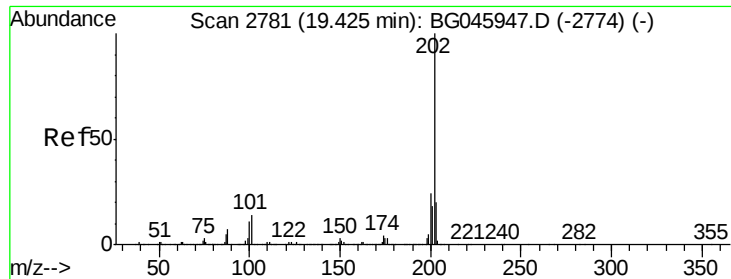
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	20.4	30.6
139	12.3	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 3.896 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	9.0	13.4
104	5.4	5.2	7.8





#75

Fluoranthene

Concen: 4.014 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

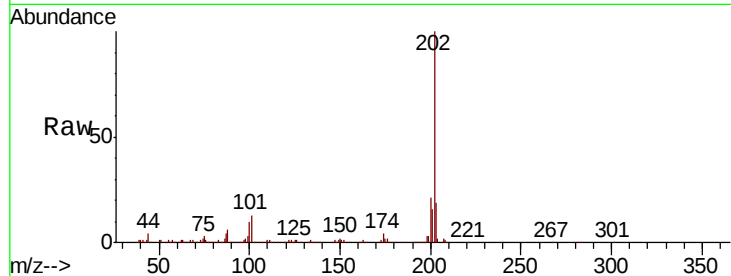
Tot Ion:202 Resp: 169426

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.8

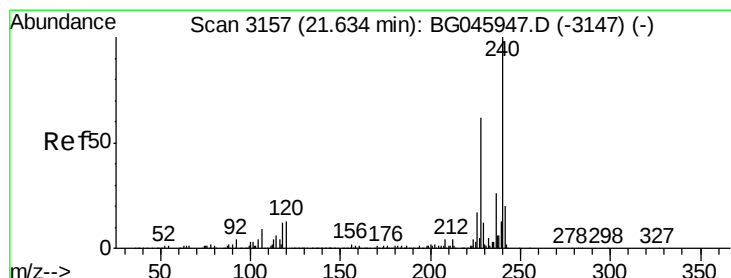
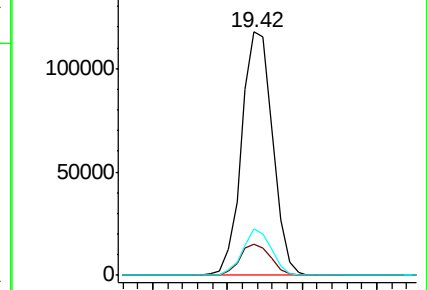
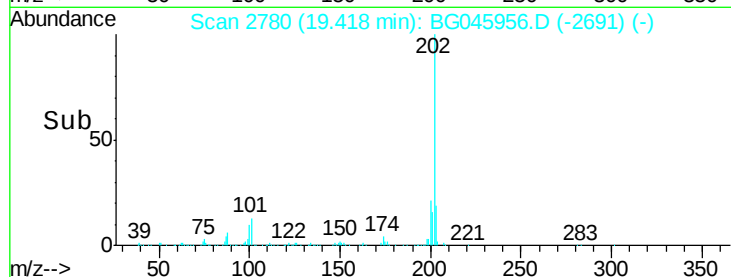
203 19.0 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

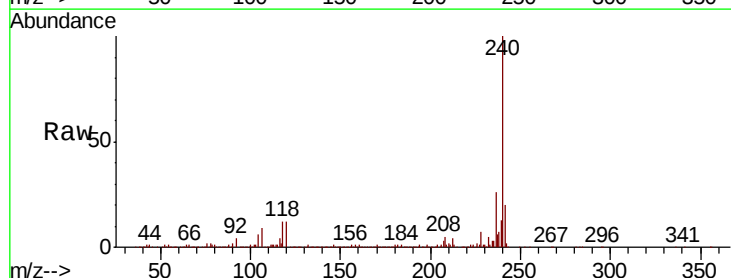
Tgt Ion:240 Resp: 638083

Ion Ratio Lower Upper

240 100

120 12.4 10.6 16.0

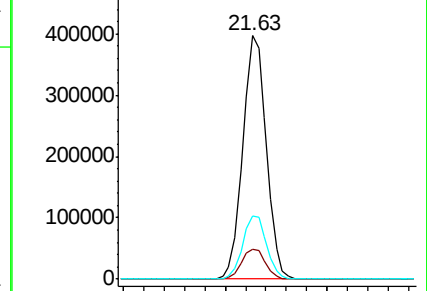
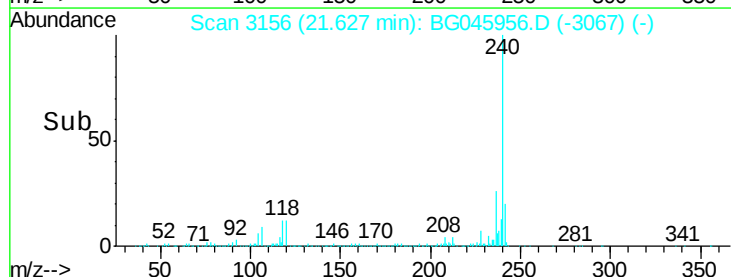
236 25.7 20.4 30.6

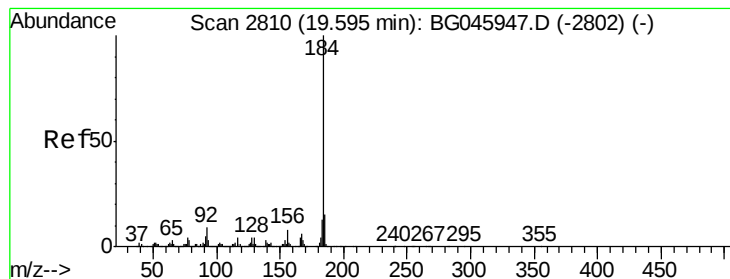


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.722 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

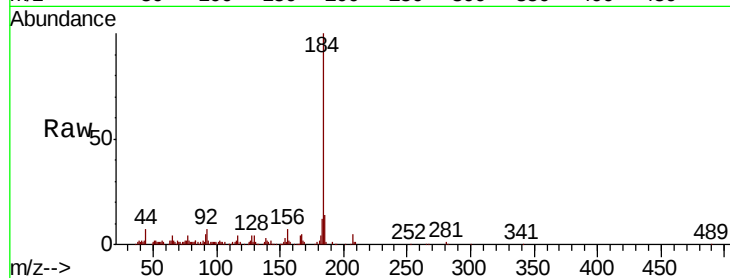
Tot Ion:184 Resp: 86154

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

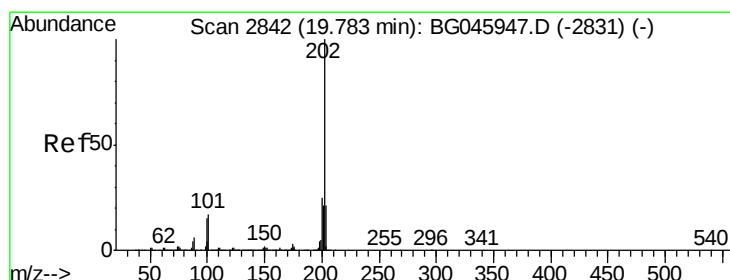
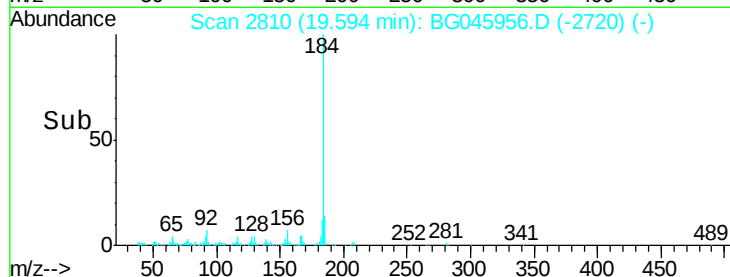
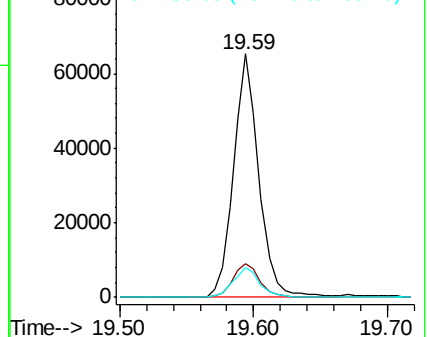
183 12.1 10.4 15.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.890 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.37 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

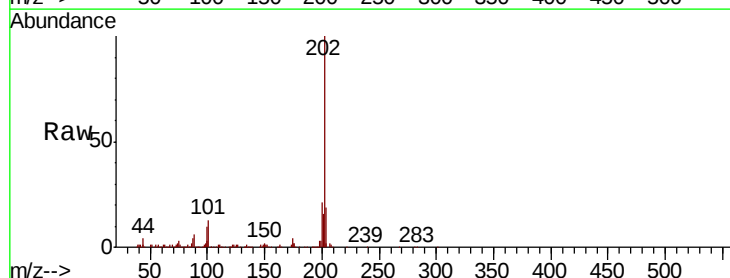
Tgt Ion:202 Resp: 169426

Ion Ratio Lower Upper

202 100

200 21.3 20.1 30.1

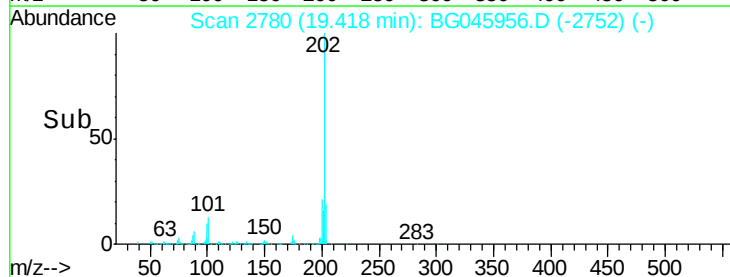
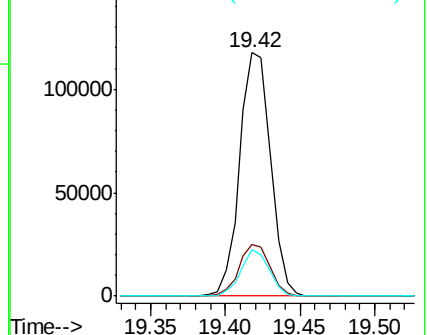
203 19.0 16.5 24.7

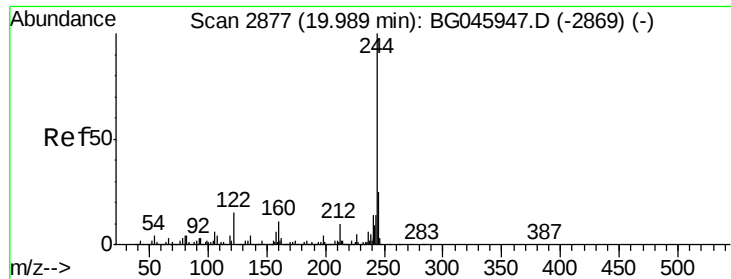


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.044 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

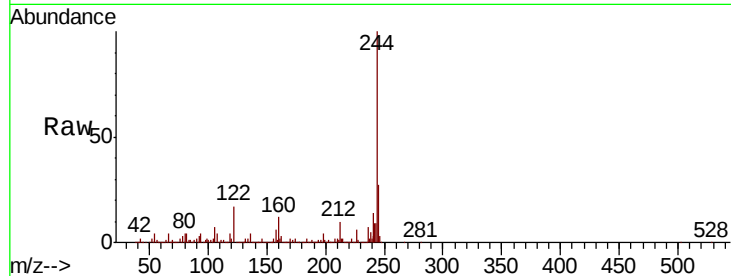
Tot Ion:244 Resp: 2610336

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.3	12.5
122	16.8	12.1	18.1

244 100

212 10.4 8.3 12.5

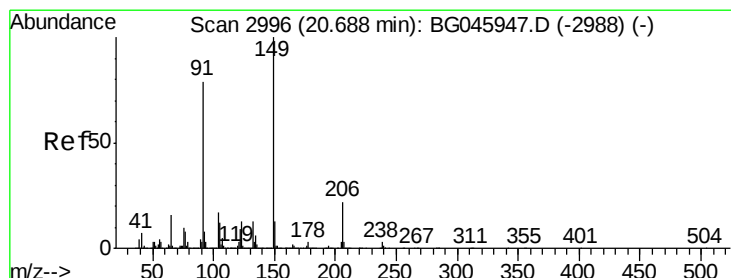
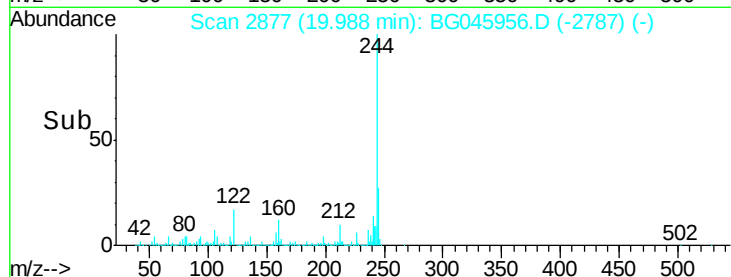
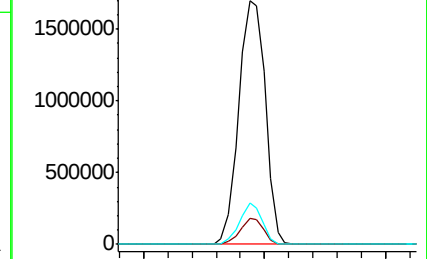
122 16.8 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.286 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

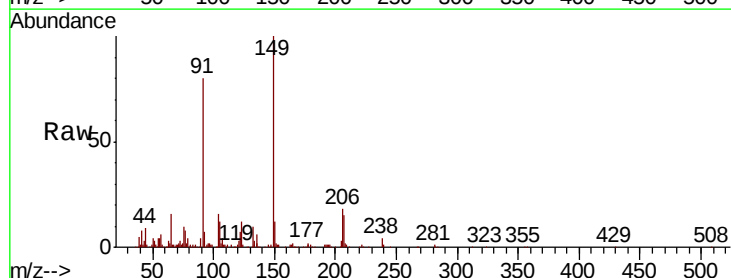
Tgt Ion:149 Resp: 67638

Ion	Ratio	Lower	Upper
149	100		
91	80.3	63.1	94.7
206	18.0	17.4	26.0

149 100

91 80.3 63.1 94.7

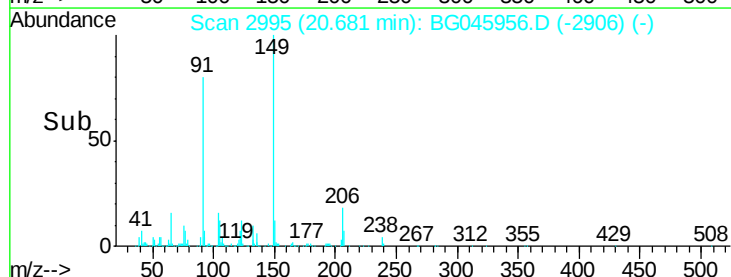
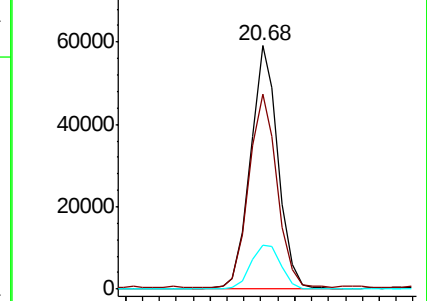
206 18.0 17.4 26.0

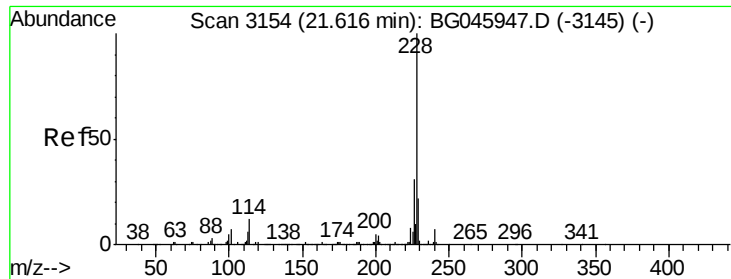


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.893 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

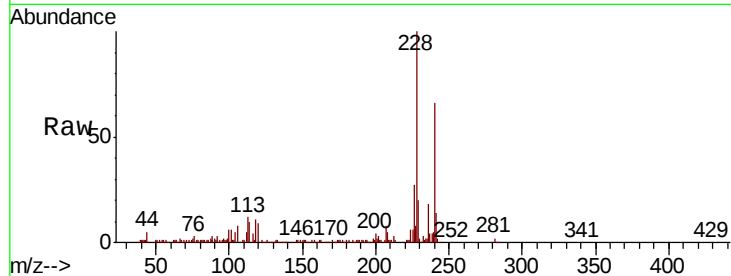
Tot Ion:228 Resp: 163349

Ion Ratio Lower Upper

228 100

226 27.0 24.8 37.2

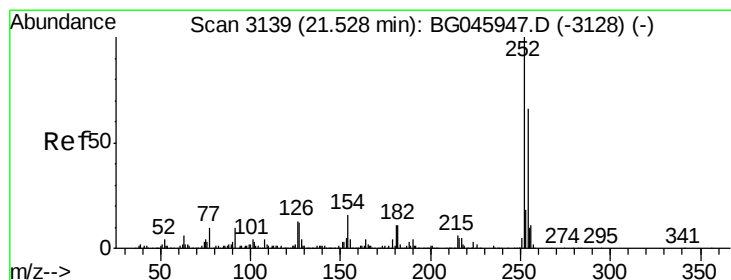
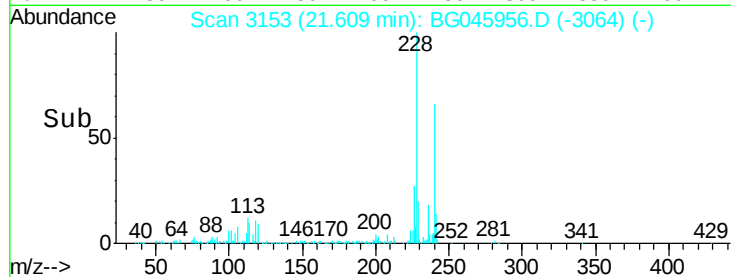
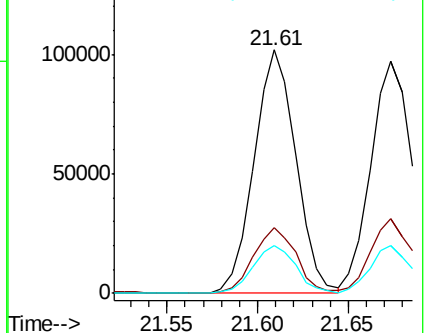
229 19.6 17.8 26.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.112 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

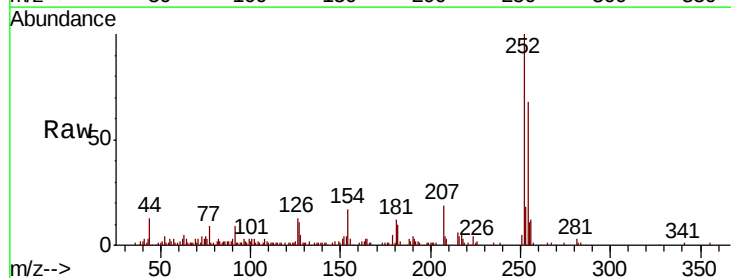
Tgt Ion:252 Resp: 63748

Ion Ratio Lower Upper

252 100

254 68.4 52.9 79.3

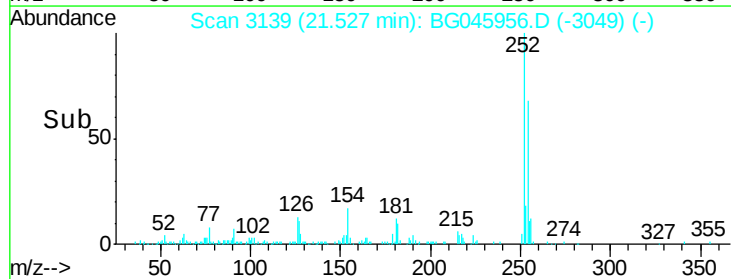
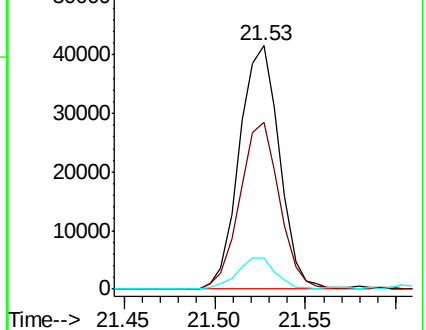
126 12.5 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

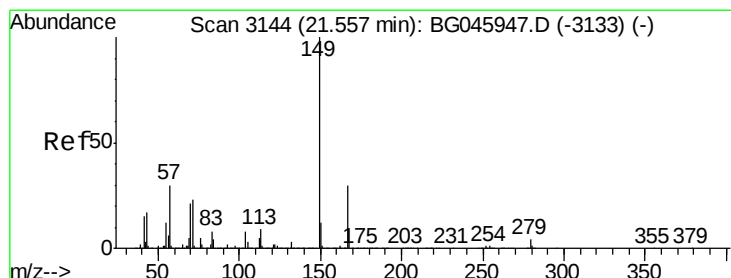
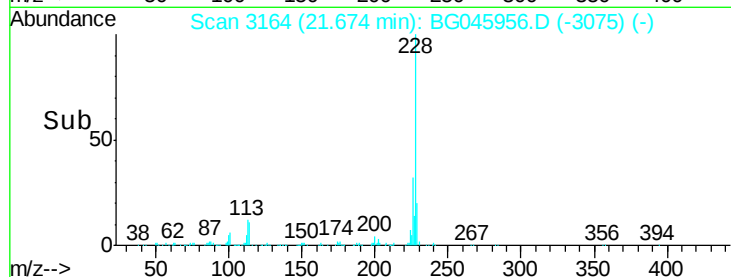
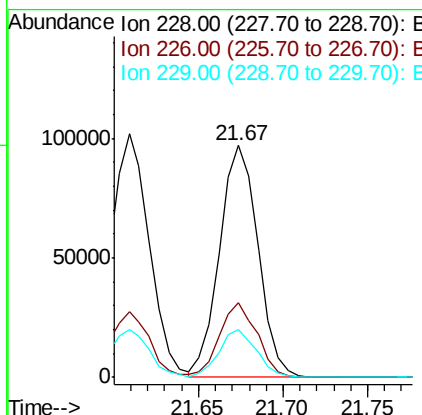
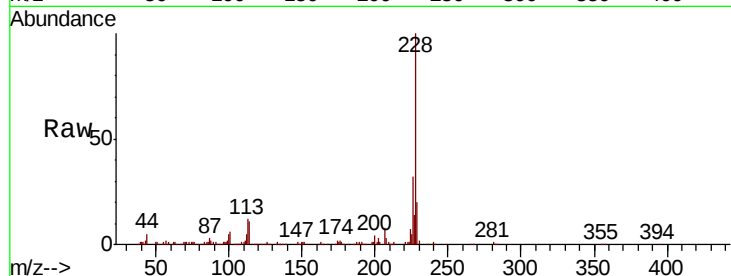




#83
Chrysene
Concen: 3.850 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

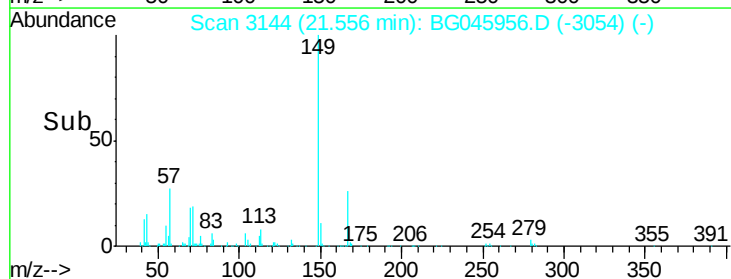
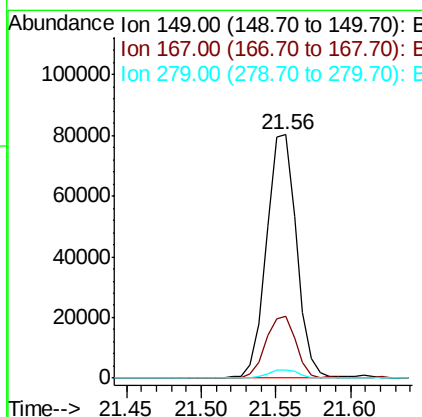
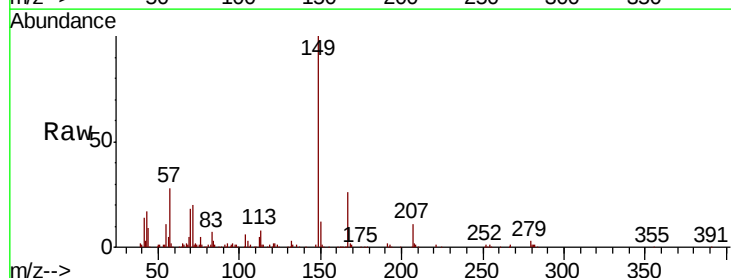
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

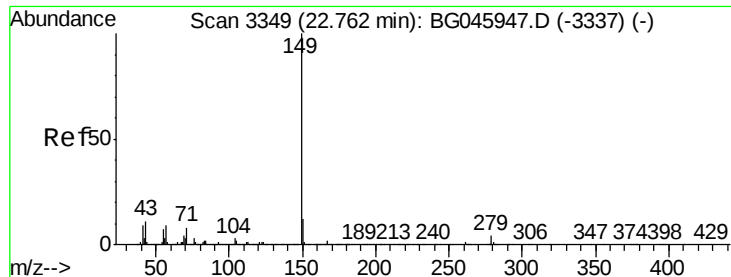
Tot Ion:228 Resp: 153891
Ion Ratio Lower Upper
228 100
226 32.5 26.7 40.1
229 20.3 17.3 25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.755 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion:149 Resp: 112178
Ion Ratio Lower Upper
149 100
167 25.6 23.8 35.8
279 3.4 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 3.648 ng

RT: 22.75 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

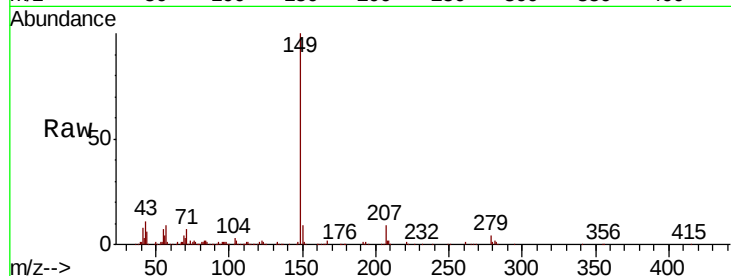
Tot Ion:149 Resp: 189159

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

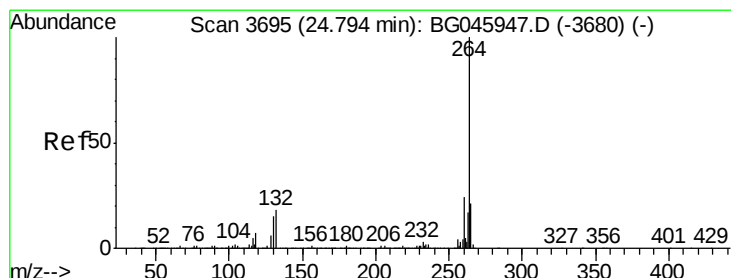
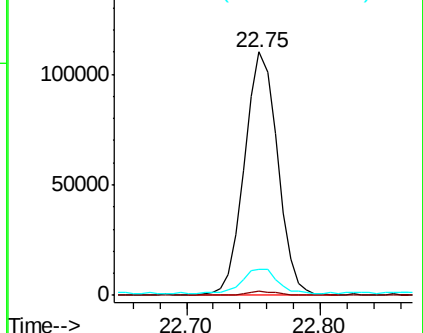
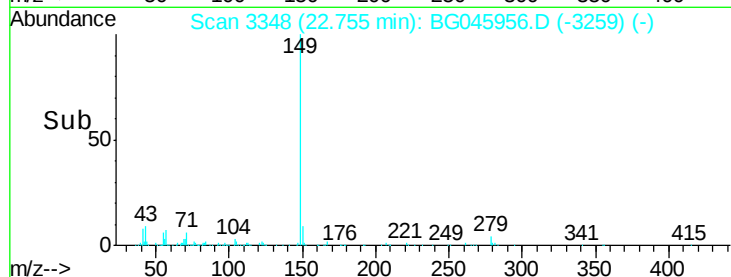
43 10.4 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

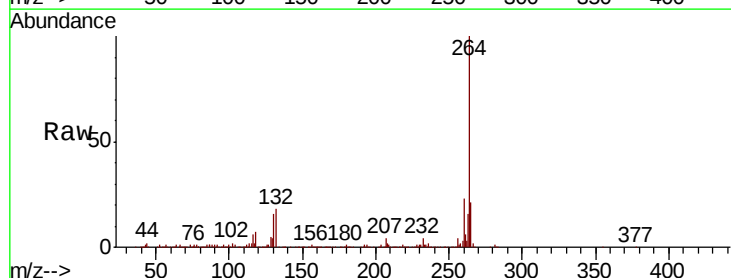
Tgt Ion:264 Resp: 647709

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.6

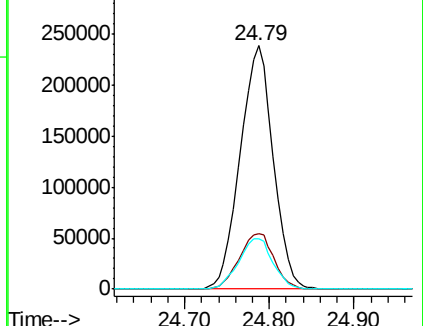
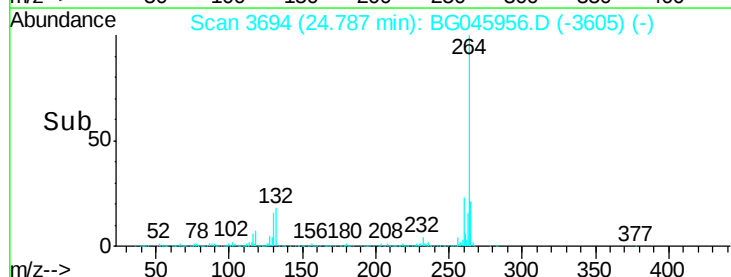
265 20.9 16.9 25.3

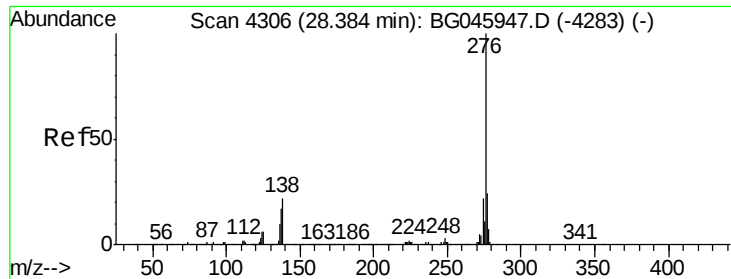


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

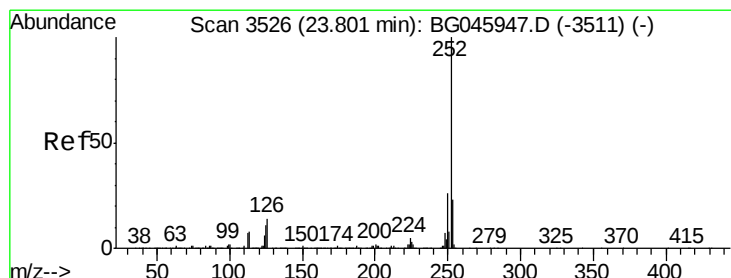
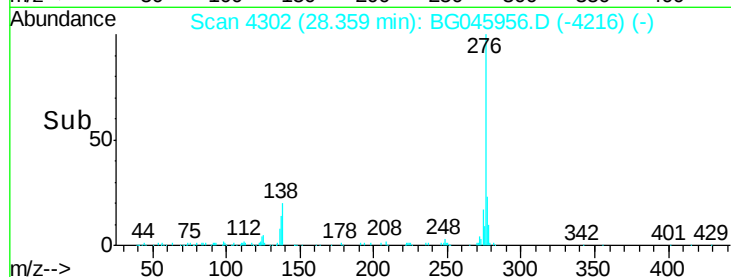
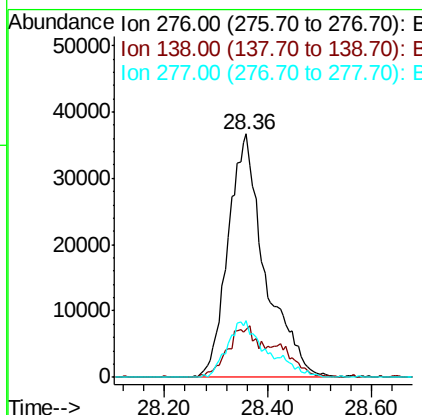
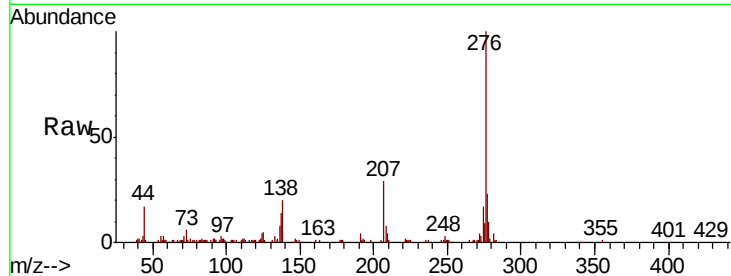




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.844 ng
 RT: 28.36 min Scan# 4302
 Delta R.T. -0.02 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

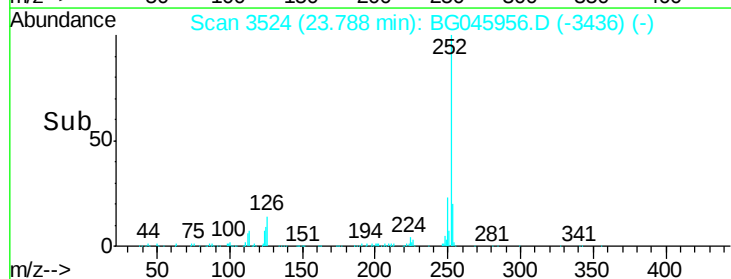
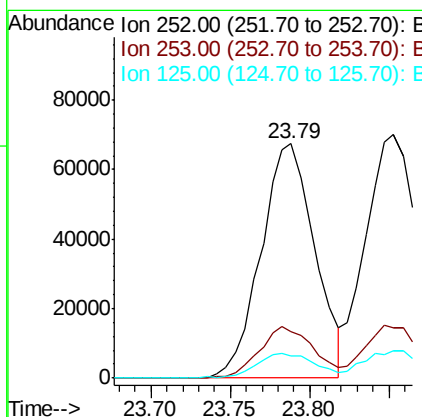
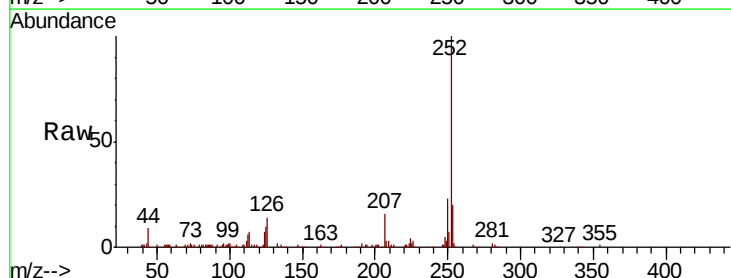
Instrument :
 BNA_G
 ClientSampleID :
 LOD-MDL-SOIL-01-QT2-2020

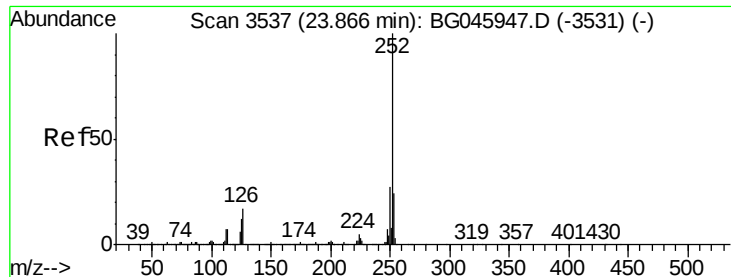
Tot Ion	Ratio	Lower	Upper
276	100		
138	9.8	16.4	24.6#
277	21.2	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 3.860 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.5	27.7
125	9.7	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 4.143 ng

RT: 23.85 min Scan# 3535

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

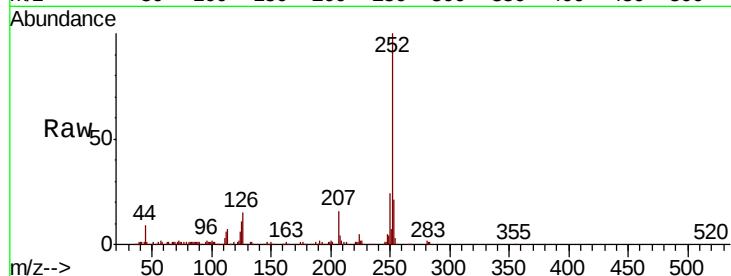
Tot Ion:252 Resp: 161077

Ion Ratio Lower Upper

252 100

253 20.9 18.9 28.3

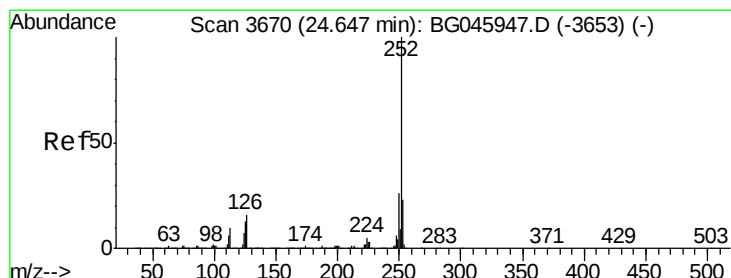
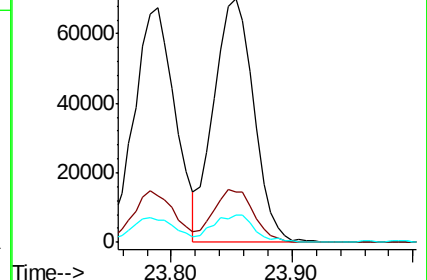
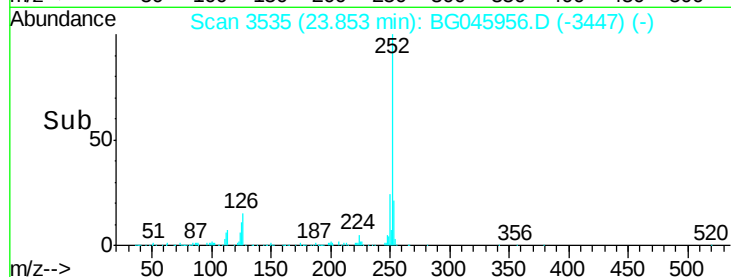
125 11.0 9.6 14.4



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: 3.849 ng

RT: 24.63 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

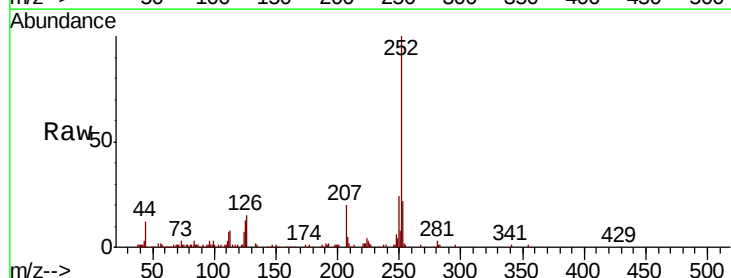
Tgt Ion:252 Resp: 148812

Ion Ratio Lower Upper

252 100

253 22.2 18.6 28.0

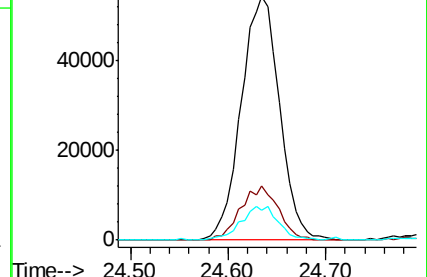
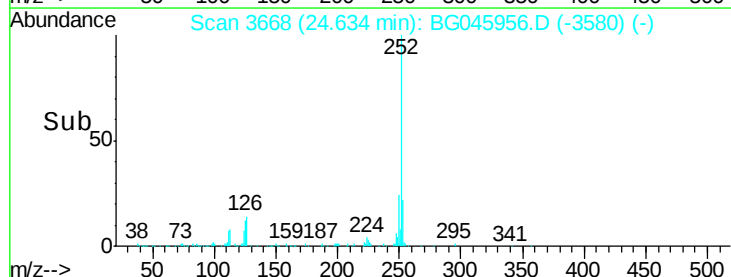
125 12.5 10.5 15.7

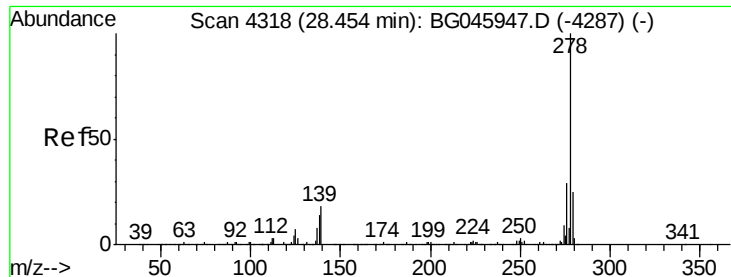


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 3.851 ng

RT: 28.41 min Scan# 4311

Delta R.T. -0.04 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

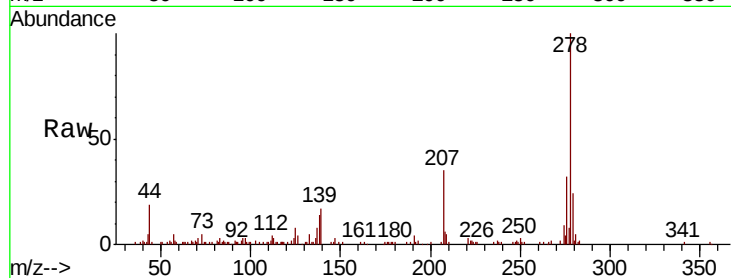
Tot Ion:278 Resp: 147167

Ion Ratio Lower Upper

278 100

139 16.8 14.3 21.5

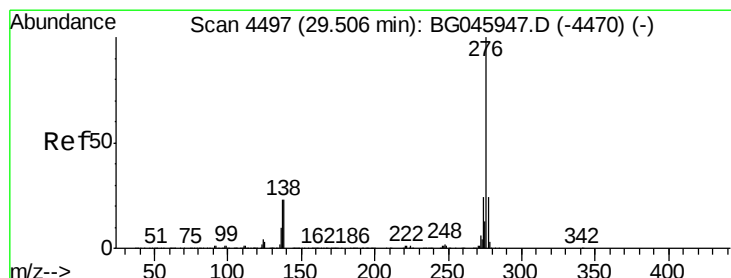
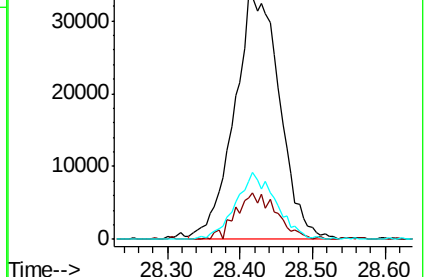
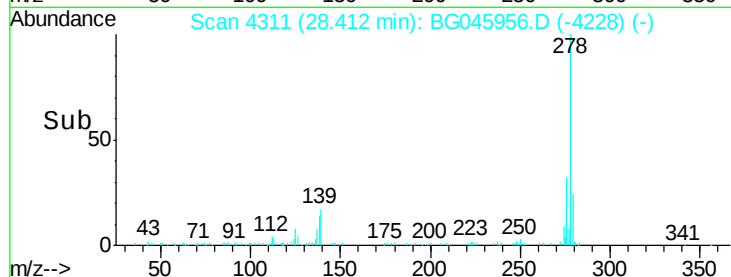
279 23.8 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.930 ng

RT: 29.46 min Scan# 4490

Delta R.T. -0.04 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

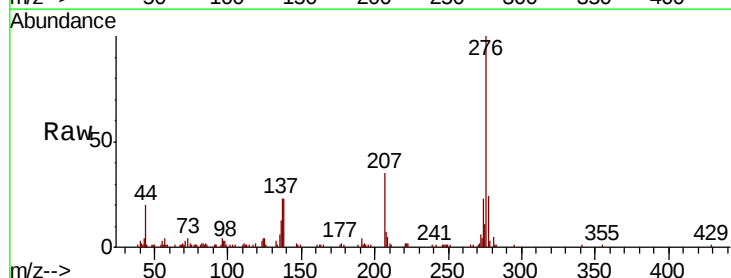
Tgt Ion:276 Resp: 151157

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 22.9 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

