

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045963.D
 Acq On : 7 Jul 2020 17:19
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 07 18:15:59 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 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	121191	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	494412	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	295673	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	618362	20.00	ng	0.00
76) Chrysene-d12	21.63	240	596047	20.00	ng	0.00
86) Perylene-d12	24.78	264	601188	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1128873	151.06	ng	0.00
7) Phenol-d6	7.16	99	1584426	147.26	ng	0.00
23) Nitrobenzene-d5	9.16	82	1313752	152.94	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	452574	164.92	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2474287	130.53	ng	0.00
79) Terphenyl-d14	19.99	244	2953008	110.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	15749	4.568	ng	93
3) Pyridine	3.91	79	34952	3.353	ng	96
4) n-Nitrosodimethylamine	3.82	42	15378	4.362	ng	# 86
6) Aniline	7.33	93	55596	4.039	ng	97
8) 2-Chlorophenol	7.57	128	31506	3.916	ng	90
9) Benzaldehyde	7.15	77	39815	5.841	ng	94
10) Phenol	7.19	94	42513	3.939	ng	99
11) bis(2-Chloroethyl)ether	7.43	93	35091	3.932	ng	96
12) 1,3-Dichlorobenzene	7.90	146	35942	3.876	ng	94
13) 1,4-Dichlorobenzene	8.04	146	35795	3.924	ng	95
14) 1,2-Dichlorobenzene	8.36	146	33960	3.868	ng	94
15) Benzyl Alcohol	8.24	79	32597	3.864	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.54	45	47096	4.044	ng	93
17) 2-Methylphenol	8.44	107	28125	3.473	ng	92
18) Hexachloroethane	9.10	117	13755	3.919	ng	95
19) n-Nitroso-di-n-propylamine	8.81	70	31192	4.127	ng	# 96
20) 3+4-Methylphenols	8.77	107	38538	3.492	ng	93
22) Acetophenone	8.82	105	56244	4.258	ng	# 98
24) Nitrobenzene	9.20	77	43033	4.539	ng	92
25) Isophorone	9.73	82	81542	3.889	ng	# 99
26) 2-Nitrophenol	9.91	139	10959	3.546	ng	96
27) 2,4-Dimethylphenol	9.97	122	30683	4.111	ng	97
28) bis(2-Chloroethoxy)methane	10.21	93	47279	4.015	ng	96
29) 2,4-Dichlorophenol	10.44	162	26730	3.459	ng	97
30) 1,2,4-Trichlorobenzene	10.67	180	31629	3.694	ng	96
31) Naphthalene	10.85	128	105115	3.966	ng	98
32) Benzoic acid	10.02	122	7351	1.819	ng	96
33) 4-Chloroaniline	10.95	127	43572	3.679	ng	96
34) Hexachlorobutadiene	11.16	225	18335	3.668	ng	97
35) Caprolactam	11.69	113	9334	3.182	ng	93
36) 4-Chloro-3-methylphenol	12.07	107	31799	3.613	ng	98
37) 2-Methylnaphthalene	12.46	142	76316	4.051	ng	97
38) 1-Methylnaphthalene	12.46	142	76316	4.292	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	36029	4.323	ng	99

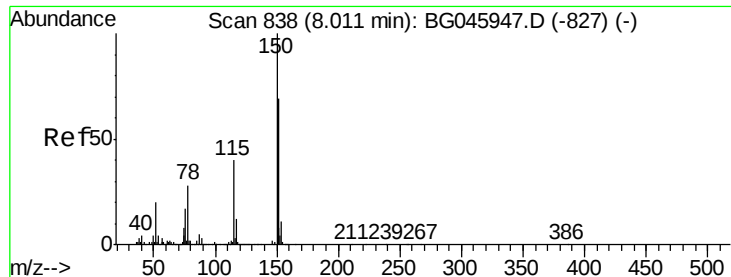
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	18486	3.738	ng	89
43) 2,4,6-Trichlorophenol	13.06	196	20093	3.565	ng	92
44) 2,4,5-Trichlorophenol	13.13	196	20777	3.260	ng	92
46) 1,1'-Biphenyl	13.47	154	102572	4.612	ng	96
47) 2-Chloronaphthalene	13.50	162	68271	3.890	ng	98
48) 2-Nitroaniline	13.69	65	16240	3.954	ng	93
49) Acenaphthylene	14.35	152	118254	4.176	ng	96
50) Dimethylphthalate	14.08	163	87501	3.943	ng	97
51) 2,6-Dinitrotoluene	14.19	165	12378	3.595	ng	94
52) Acenaphthene	14.69	154	67217	3.764	ng	97
53) 3-Nitroaniline	14.51	138	14479	3.393	ng	97
54) 2,4-Dinitrophenol	14.72	184	2263	1.863	ng	# 20
55) Dibenzofuran	15.02	168	109672	4.189	ng	95
56) 4-Nitrophenol	14.81	139	10806	2.989	ng	85
57) 2,4-Dinitrotoluene	14.98	165	15761	3.705	ng	92
58) Fluorene	15.68	166	86739	4.039	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	17986	3.655	ng	# 92
60) Diethylphthalate	15.45	149	88299	3.794	ng	97
61) 4-Chlorophenyl-phenylether	15.67	204	40993	3.837	ng	97
62) 4-Nitroaniline	15.67	138	15601	3.402	ng	98
63) Azobenzene	15.96	77	100213	4.012	ng	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	4504	2.487	ng	94
66) n-Nitrosodiphenylamine	15.88	169	75586	3.945	ng	98
67) 4-Bromophenyl-phenylether	16.56	248	25137	3.640	ng	94
68) Hexachlorobenzene	16.69	284	26237	3.786	ng	95
69) Atrazine	16.83	200	24394	4.306	ng	96
70) Pentachlorophenol	17.02	266	12027	3.121	ng	# 90
71) Phenanthrene	17.41	178	138190	4.227	ng	96
72) Anthracene	17.50	178	140014	4.220	ng	94
73) Carbazole	17.77	167	131805	3.964	ng	95
74) Di-n-butylphthalate	18.35	149	159261	3.963	ng	# 94
75) Fluoranthene	19.42	202	158701	4.199	ng	95
77) Benzidine	19.59	184	72824	4.273	ng	98
78) Pyrene	19.78	202	164365	4.040	ng	95
80) Butylbenzylphthalate	20.68	149	64344	3.347	ng	98
81) Benzo(a)anthracene	21.61	228	158865	4.053	ng	95
82) 3,3'-Dichlorobenzidine	21.53	252	55226	3.813	ng	98
83) Chrysene	21.67	228	143808	3.852	ng	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	99957	3.582	ng	94
85) Di-n-octyl phthalate	22.75	149	168690	3.483	ng	100
87) Indeno(1,2,3-cd)pyrene	28.35	276	165120	3.754	ng	# 95
88) Benzo(b)fluoranthene	23.78	252	152071	3.985	ng	96
89) Benzo(k)fluoranthene	23.85	252	148862	4.125	ng	97
90) Benzo(a)pyrene	24.63	252	137685	3.837	ng	98
91) Dibenzo(a,h)anthracene	28.42	278	141134	3.979	ng	98
92) Benzo(g,h,i)perylene	29.46	276	140730	3.942	ng	96

(#) = 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: BG045963.D

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BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

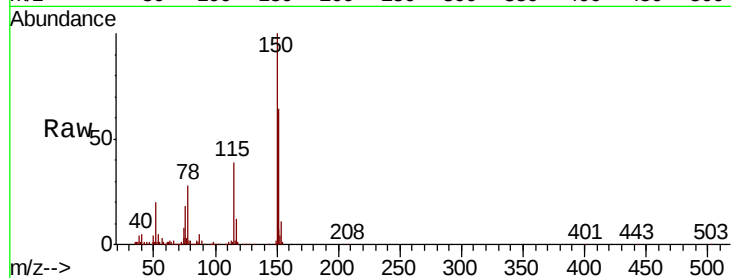
Tot Ion:152 Resp: 121191

Ion Ratio Lower Upper

152 100

150 157.2 116.7 175.1

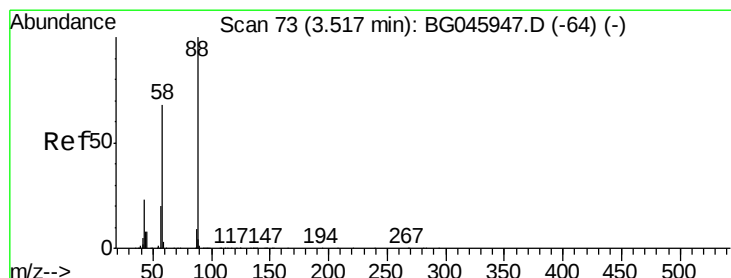
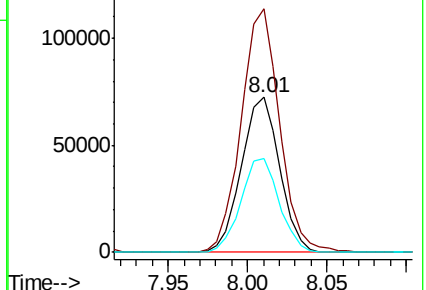
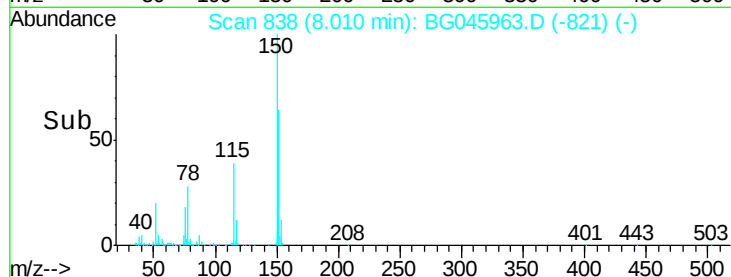
115 60.7 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.568 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

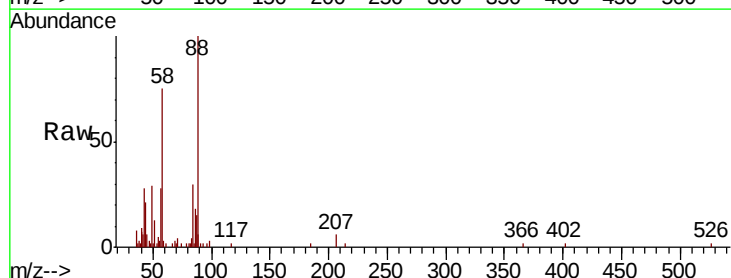
Tgt Ion: 88 Resp: 15749

Ion Ratio Lower Upper

88 100

58 76.3 55.2 82.8

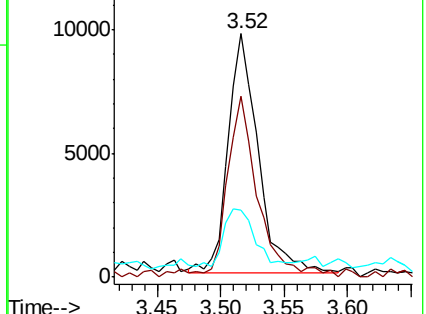
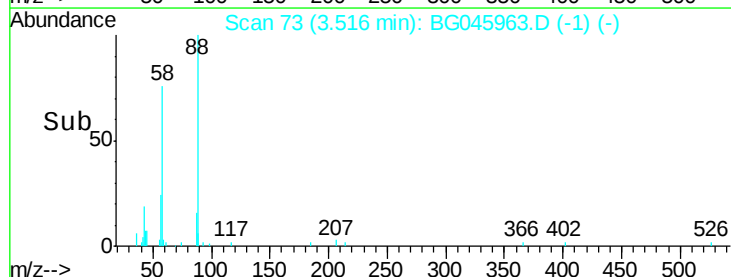
43 25.8 19.4 29.0

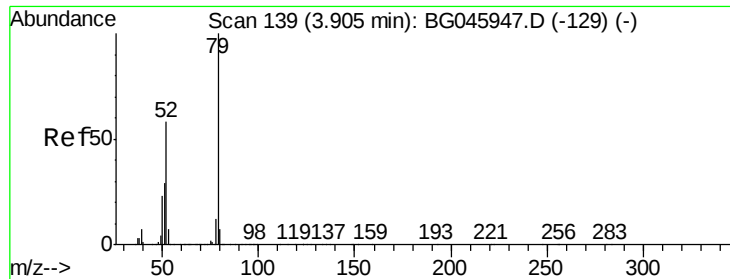


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 3.353 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

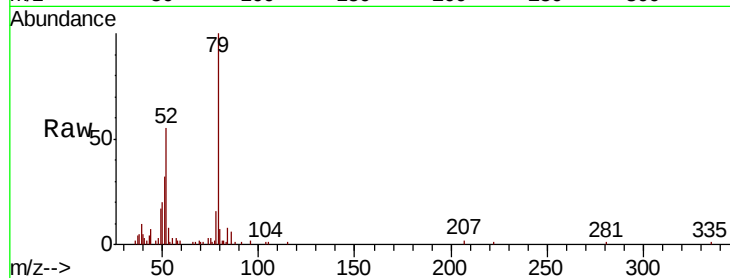
Tot Ion: 79 Resp: 34952

Ion Ratio Lower Upper

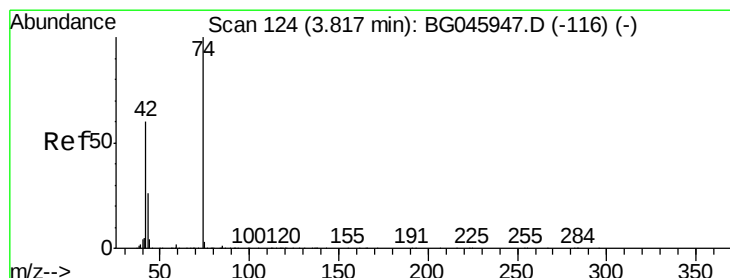
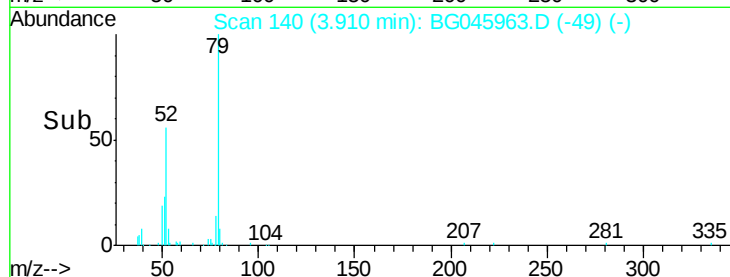
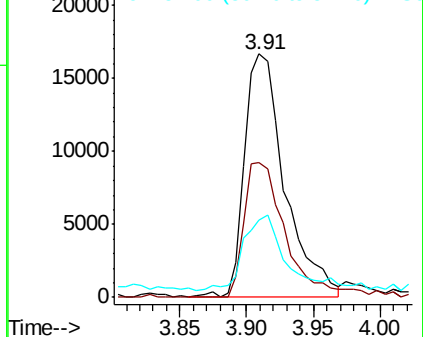
79 100

52 55.3 46.5 69.7

51 31.7 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: 4.362 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

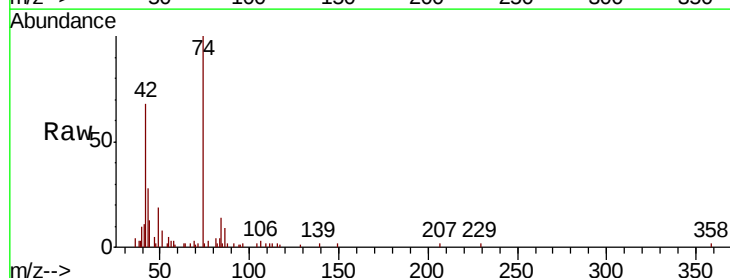
Tgt Ion: 42 Resp: 15378

Ion Ratio Lower Upper

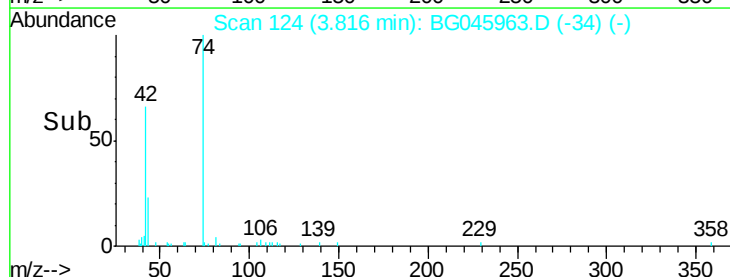
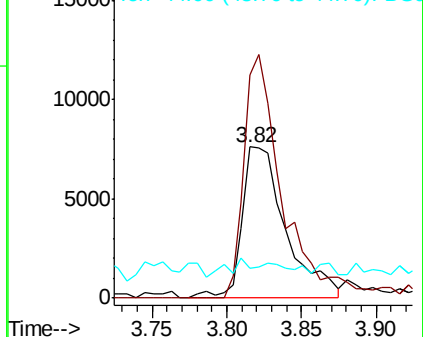
42 100

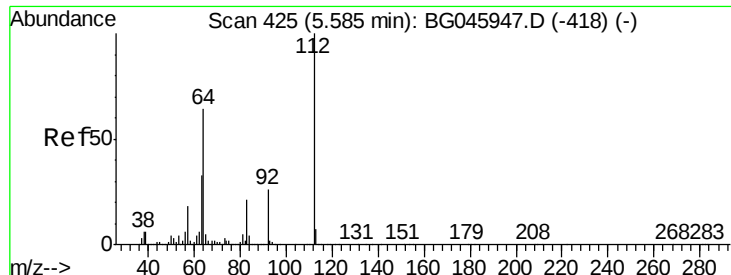
74 147.4 131.9 197.9

44 19.4 7.7 11.5#



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





#5

2-Fluorophenol

Concen: 151.055 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

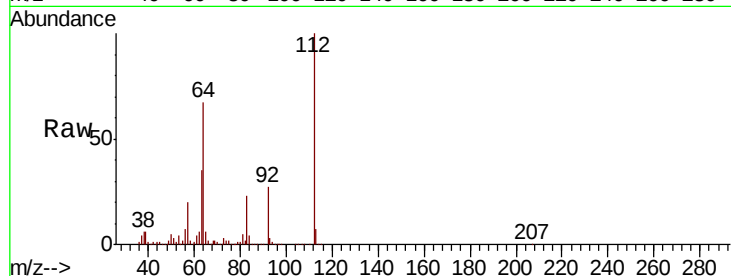
Tot Ion:112 Resp: 1128873

Ion Ratio Lower Upper

112 100

64 66.7 51.4 77.2

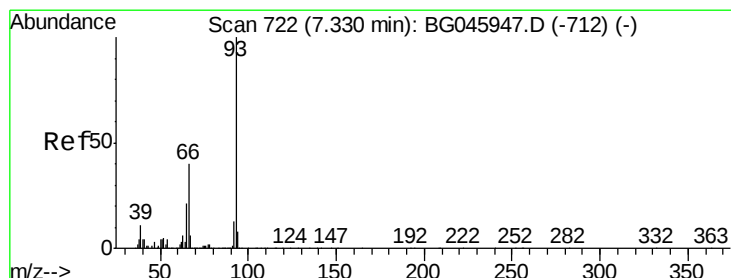
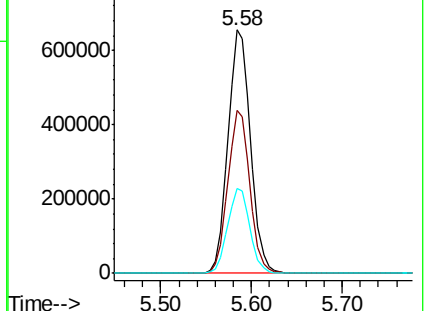
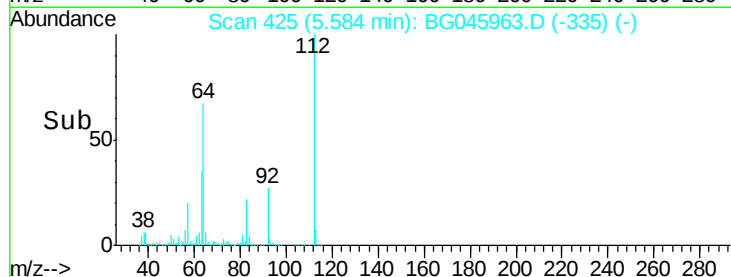
63 35.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.039 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

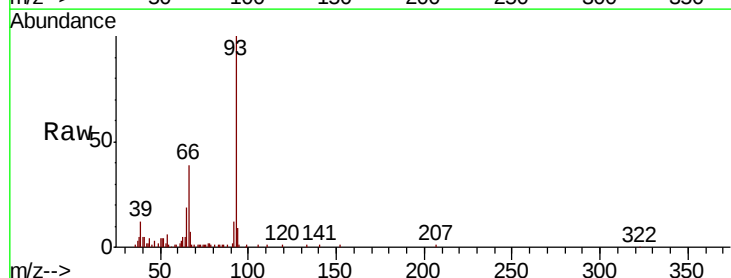
Tgt Ion: 93 Resp: 55596

Ion Ratio Lower Upper

93 100

66 38.6 32.3 48.5

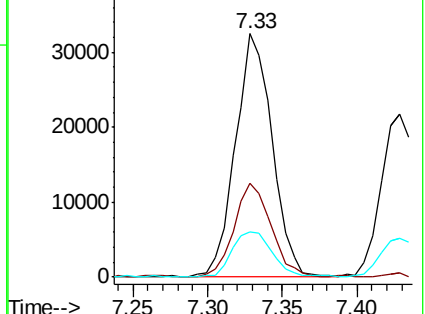
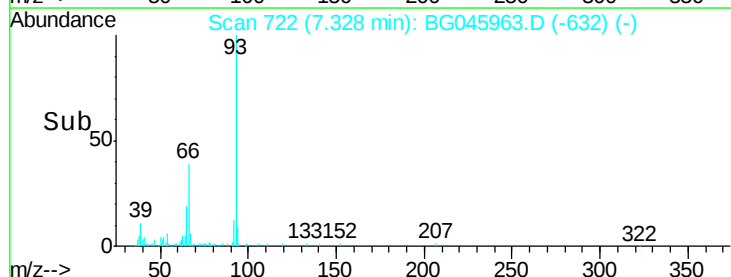
65 18.7 16.6 25.0

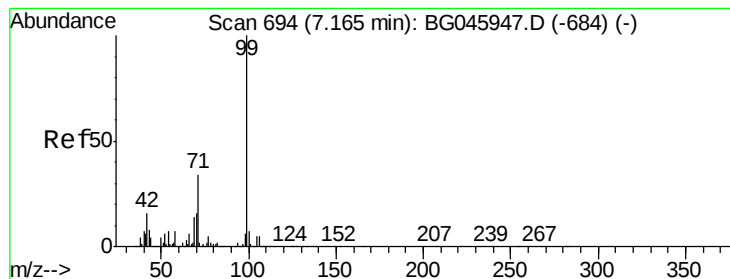


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 147.261 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045963.D

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ClientSampleId :

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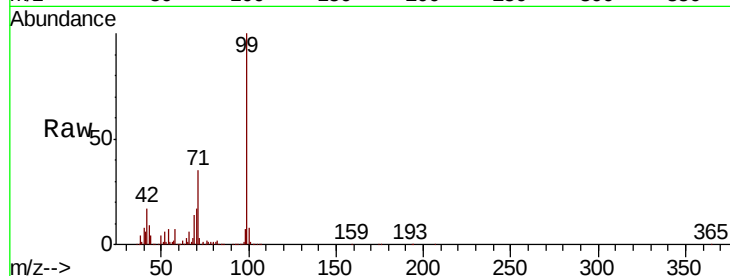
Tot Ion: 99 Resp: 1584426

Ion Ratio Lower Upper

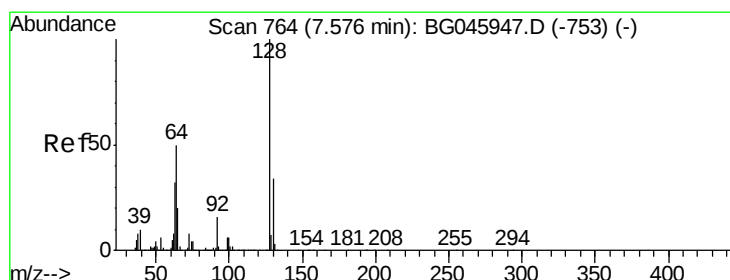
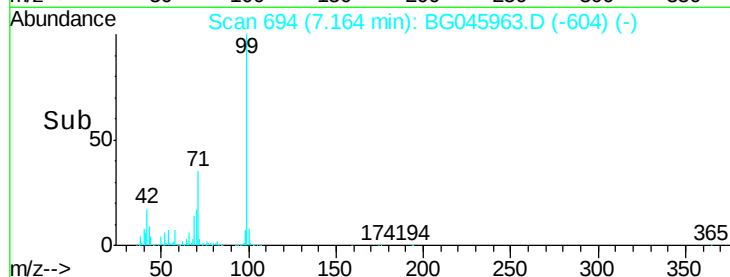
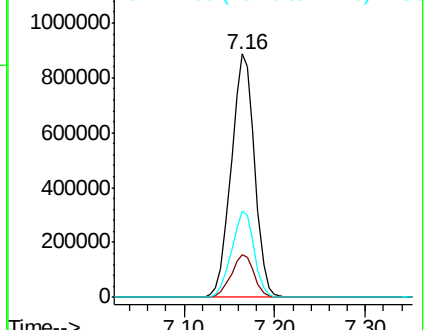
99 100

42 17.4 13.0 19.4

71 35.3 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: 3.916 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

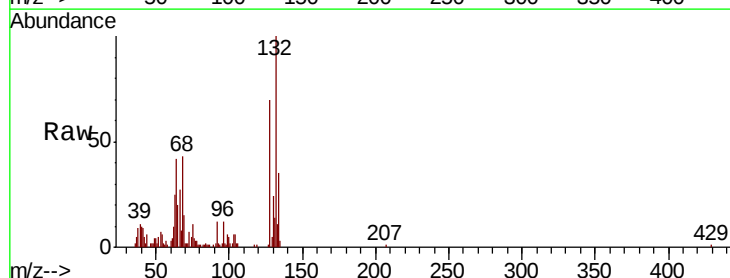
Tgt Ion: 128 Resp: 31506

Ion Ratio Lower Upper

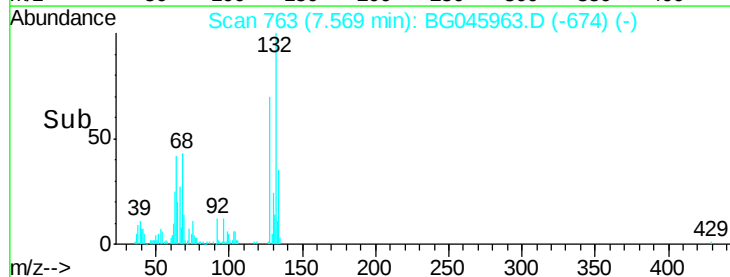
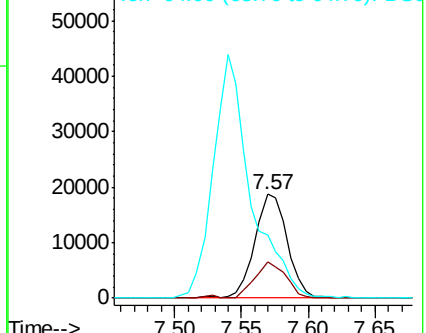
128 100

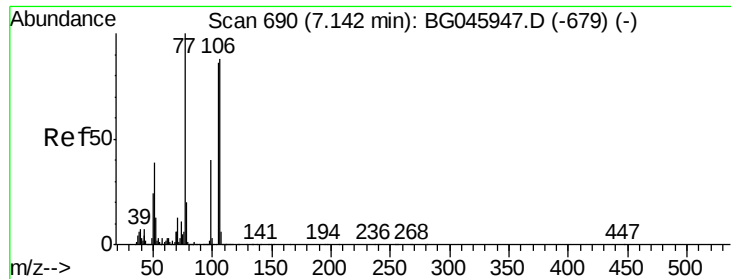
130 34.7 13.6 53.6

64 60.7 30.6 70.6



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





#9

Benzaldehyde

Concen: 5.841 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

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LOD-MDL-SOIL-01-QT3-2020

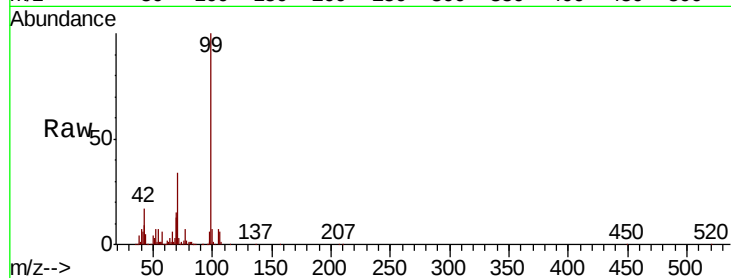
Tot Ion: 77 Resp: 39815

Ion Ratio Lower Upper

77 100

105 91.6 66.0 106.0

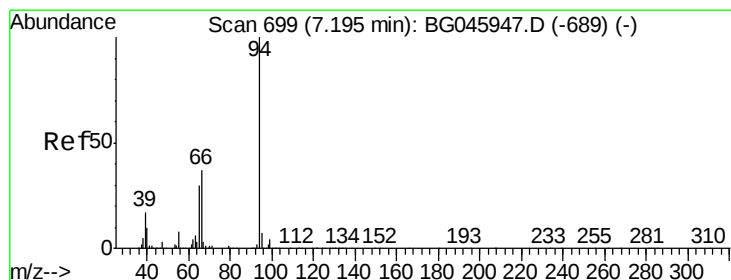
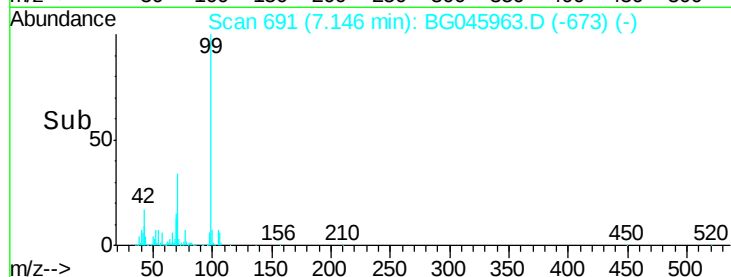
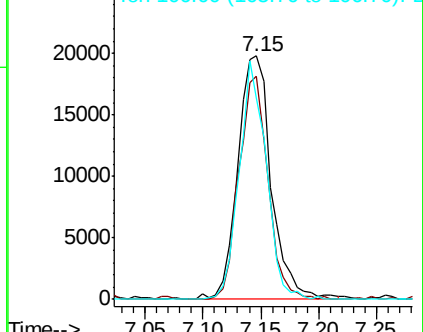
106 82.9 67.7 107.7



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: 3.939 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

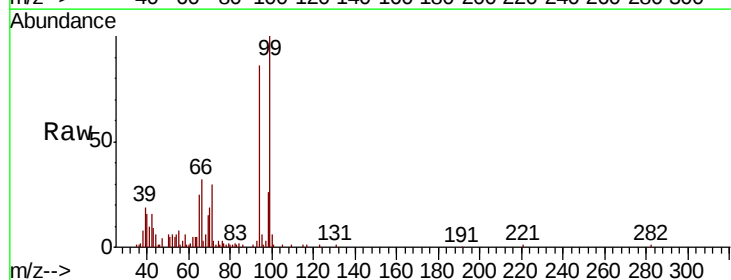
Tgt Ion: 94 Resp: 42513

Ion Ratio Lower Upper

94 100

65 29.6 10.6 50.6

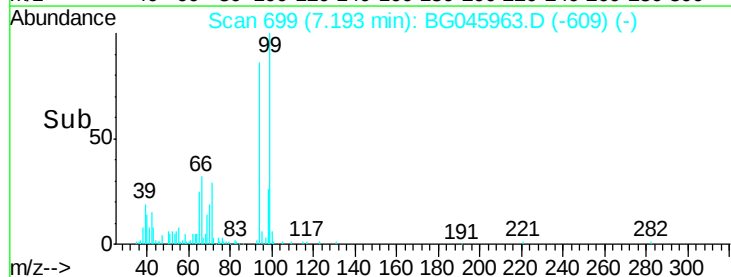
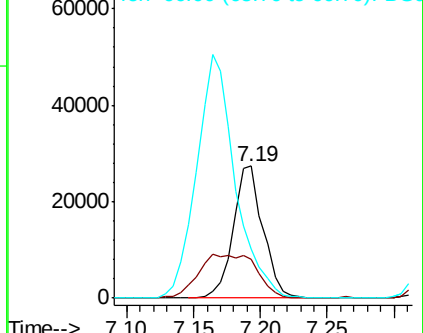
66 37.7 17.1 57.1

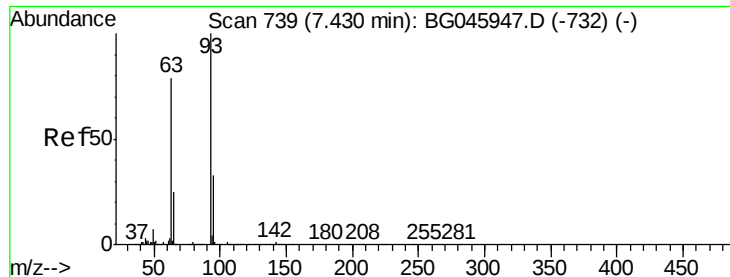


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

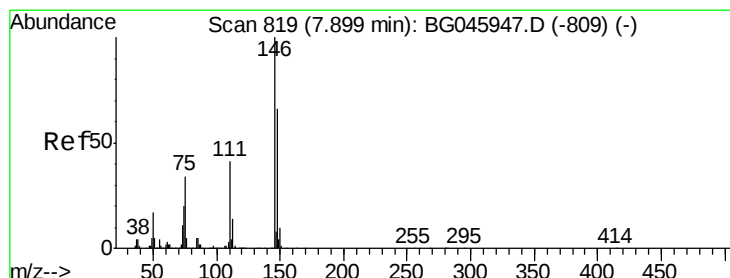
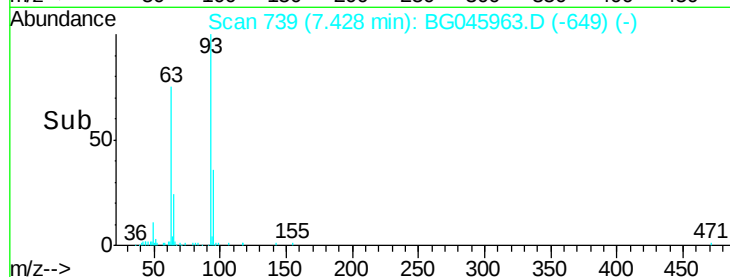
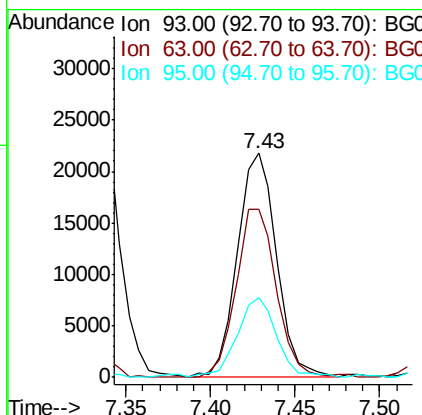
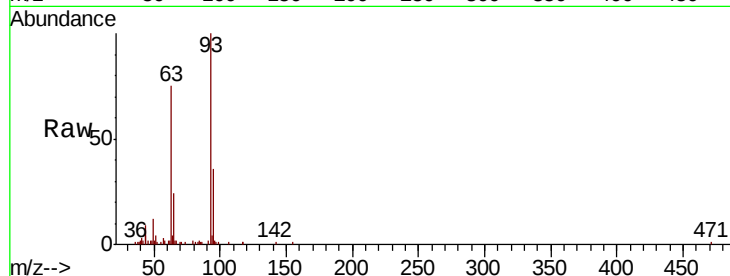




#11
bis(2-Chloroethyl)ether
Concen: 3.932 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

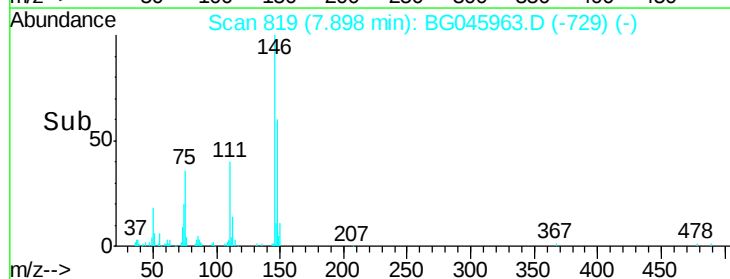
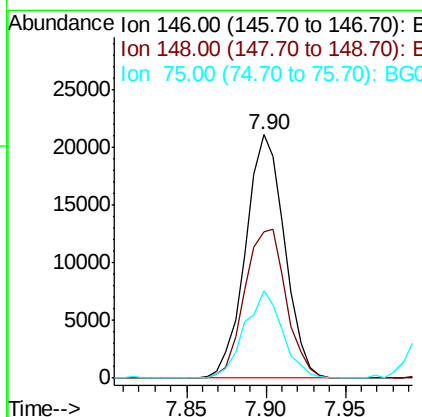
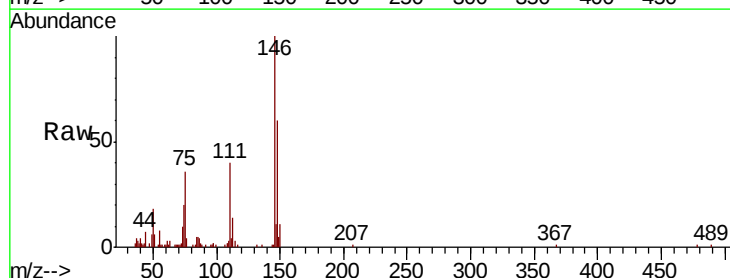
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

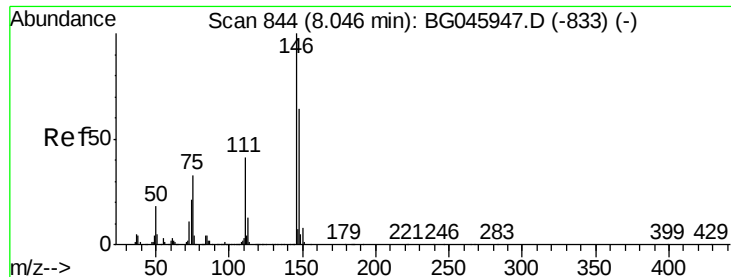
Tot Ion: 93 Resp: 35091
Ion Ratio Lower Upper
93 100
63 74.9 58.6 98.6
95 35.9 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 3.876 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion: 146 Resp: 35942
Ion Ratio Lower Upper
146 100
148 60.4 52.8 79.2
75 35.7 27.2 40.8

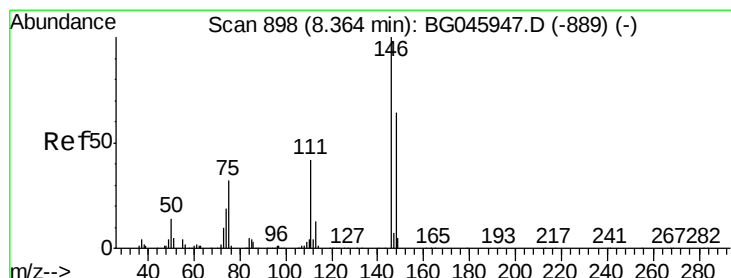
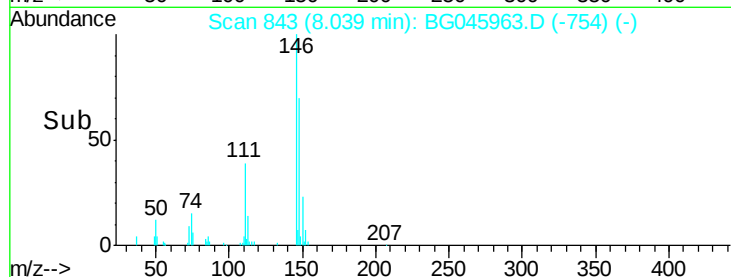
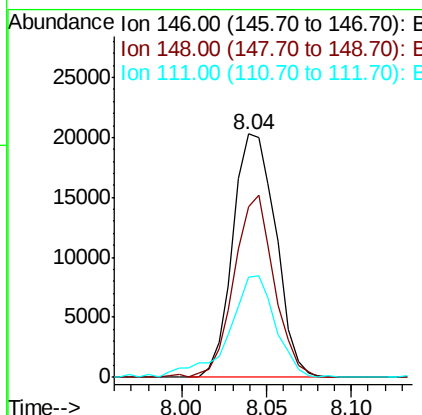
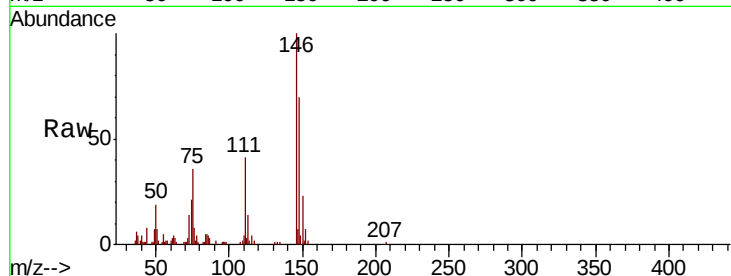




#13
 1,4-Dichlorobenzene
 Concen: 3.924 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

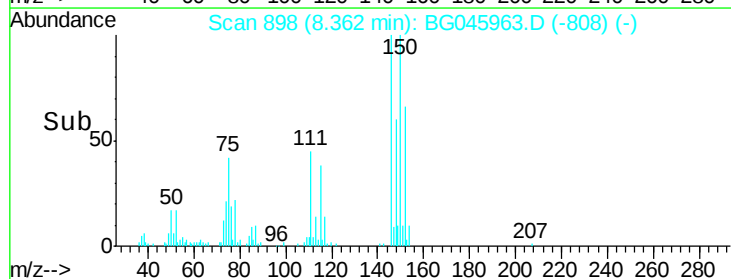
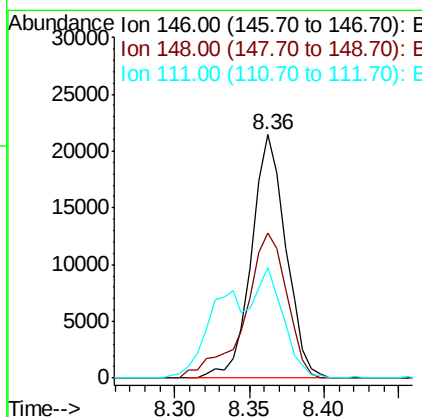
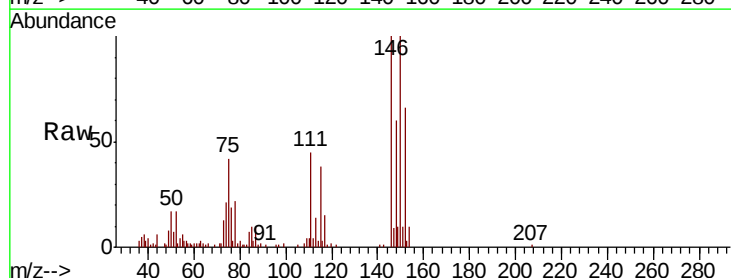
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

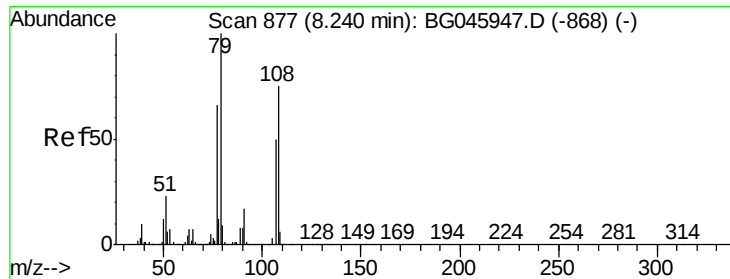
Tot Ion	Ratio	Lower	Upper
146	100		
148	70.3	51.7	77.5
111	41.2	33.3	49.9



#14
 1,2-Dichlorobenzene
 Concen: 3.868 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.6	51.6	77.4
111	45.5	34.0	51.0





#15

Benzyl Alcohol

Concen: 3.864 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

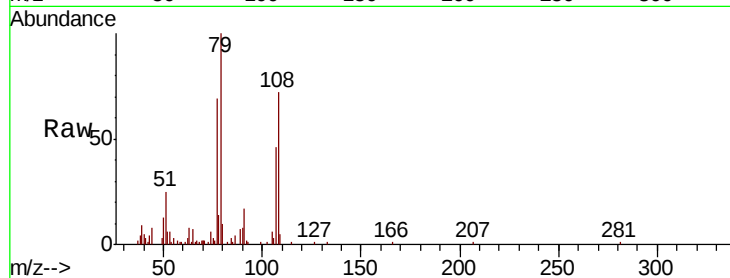
Tot Ion: 79 Resp: 32597

Ion Ratio Lower Upper

79 100

108 71.8 60.2 90.4

77 68.6 52.9 79.3



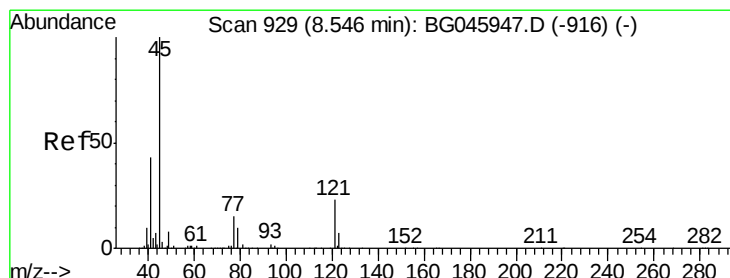
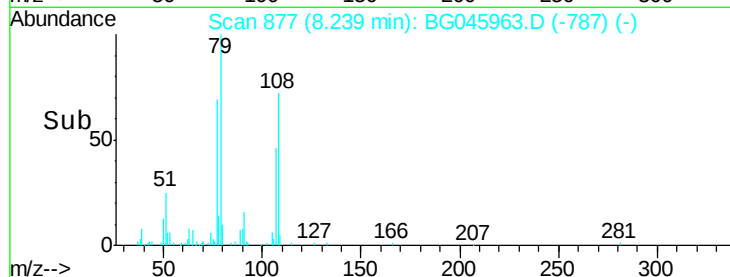
Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

8.24

Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.044 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

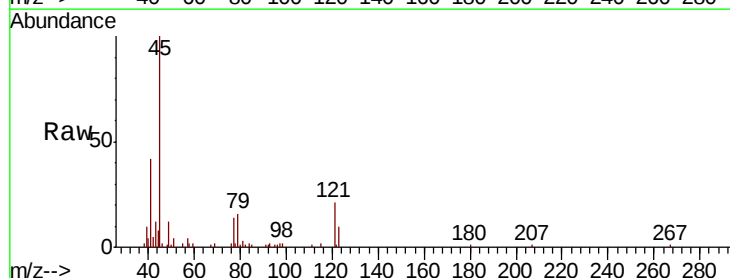
Tgt Ion: 45 Resp: 47096

Ion Ratio Lower Upper

45 100

77 14.5 0.0 37.6

79 15.7 0.0 32.6



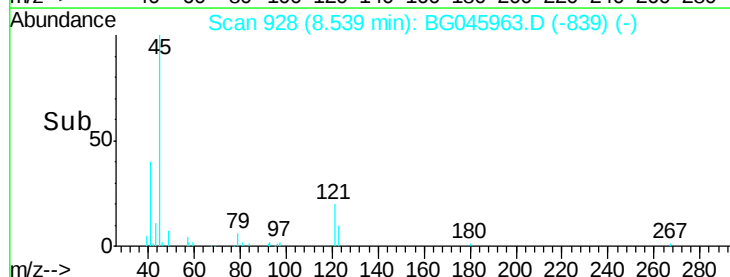
Abundance Ion 45.00 (44.70 to 45.70): BGC

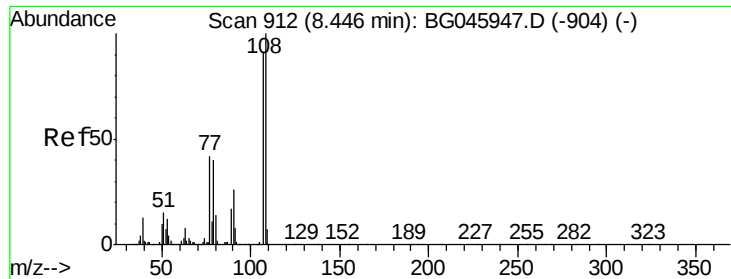
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

8.54

Time-->





#17

2-Methylphenol

Concen: 3.473 ng

RT: 8.44 min Scan# 911

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:107 Resp: 28125

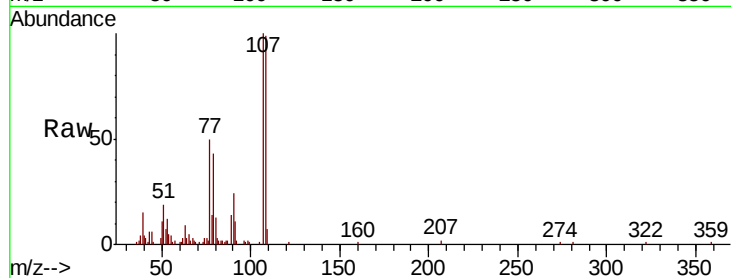
Ion Ratio Lower Upper

107 100

108 98.7 88.2 132.4

77 50.1 37.0 55.4

79 43.5 35.4 53.0

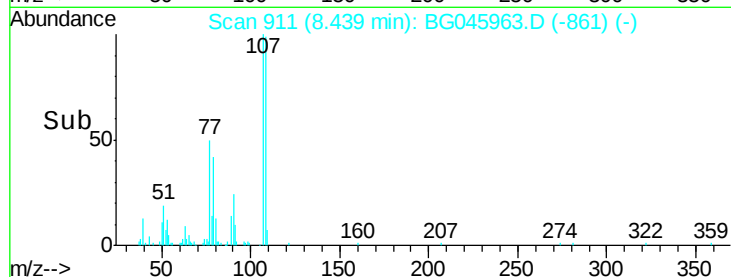


Abundance Ion 107.00 (106.70 to 107.70): E

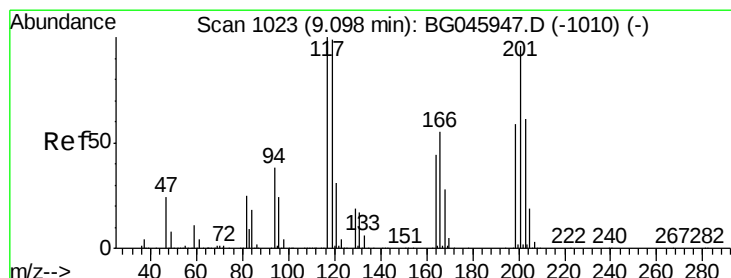
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 3.919 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

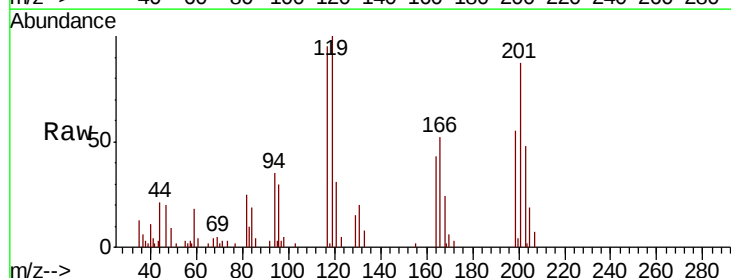
Tgt Ion:117 Resp: 13755

Ion Ratio Lower Upper

117 100

119 105.0 79.5 119.3

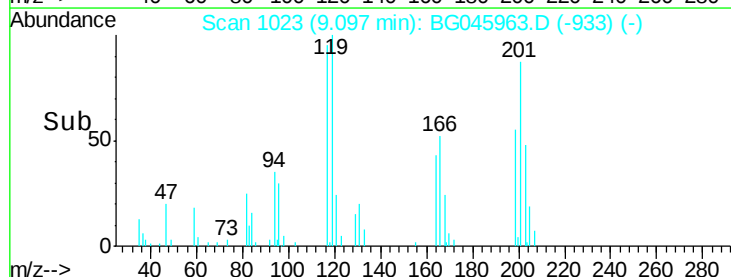
201 91.4 77.0 115.4



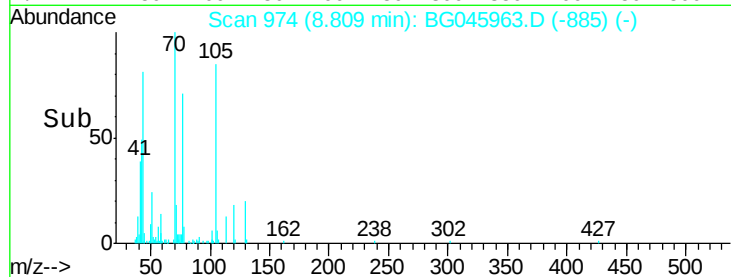
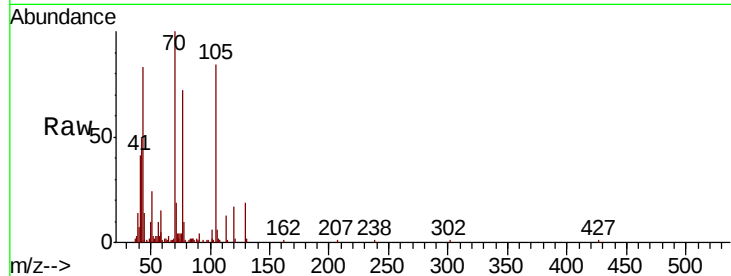
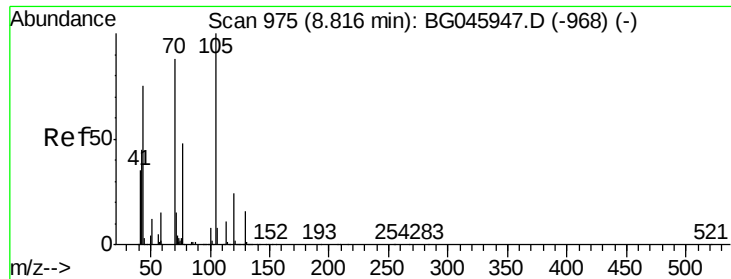
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



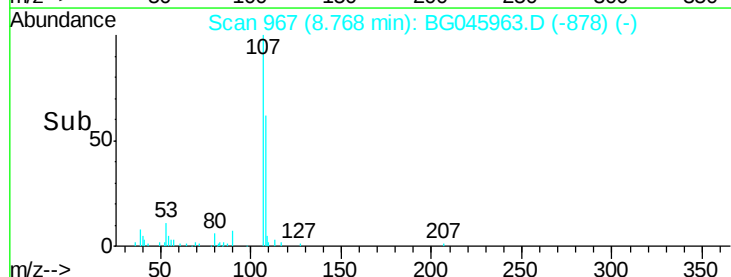
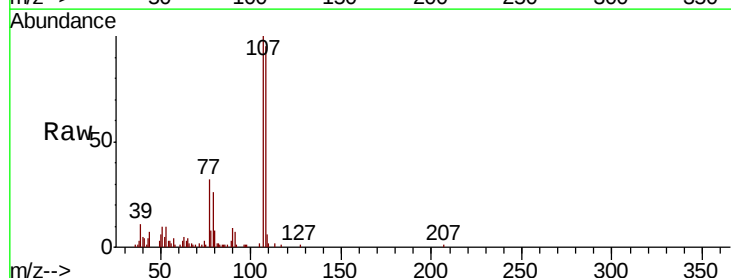
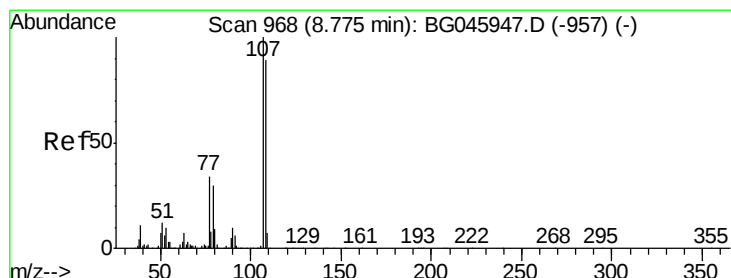
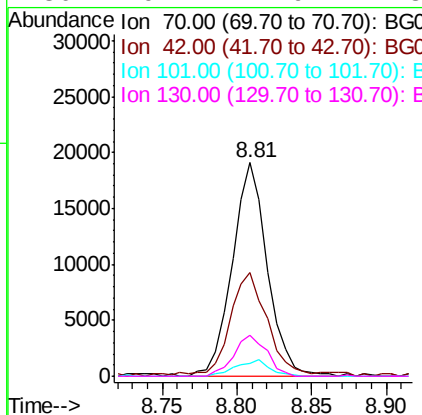
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 4.127 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

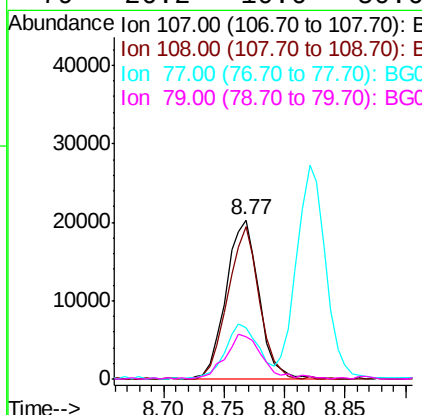
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

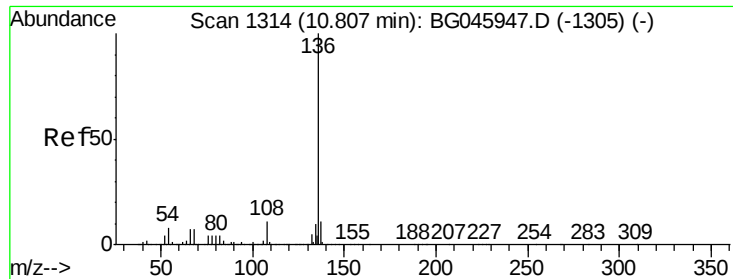
Tot Ion:	70	Resp:	31192
Ion	Ratio	Lower	Upper
70	100		
42	48.7	41.4	62.0
101	6.3	7.1	10.7#
130	19.4	14.9	22.3



#20
3+4-Methylphenols
Concen: 3.492 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:	107	Resp:	38538
Ion	Ratio	Lower	Upper
107	100		
108	95.5	68.7	108.7
77	31.9	14.6	54.6
79	26.2	10.6	50.6

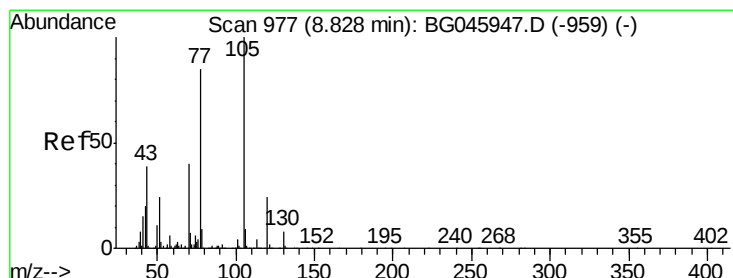
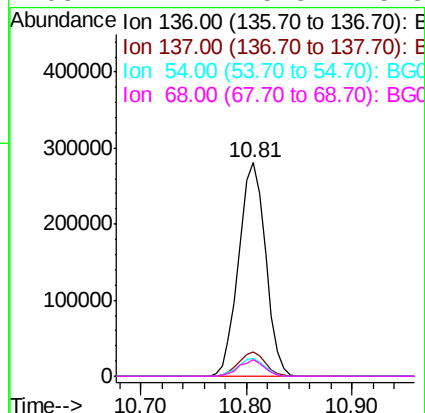
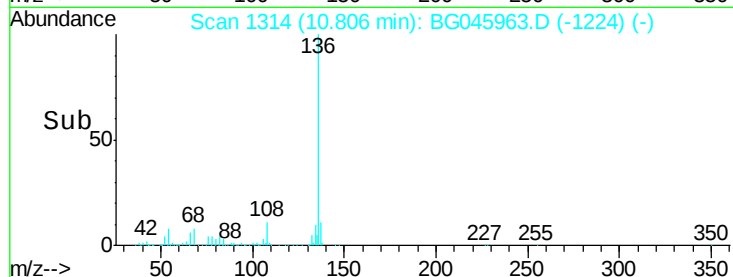
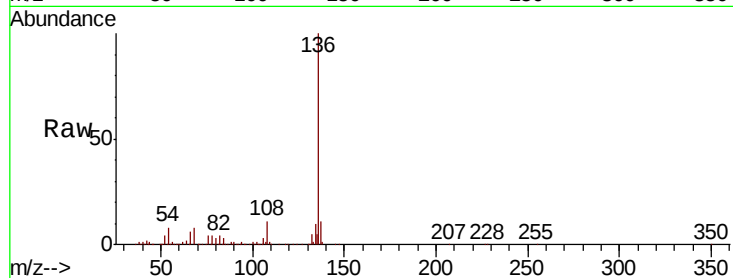




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

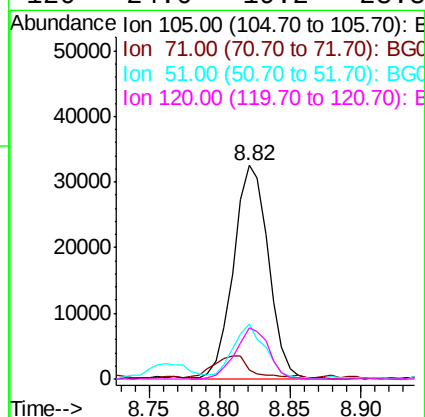
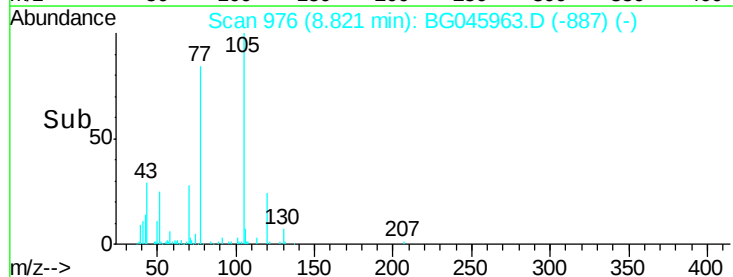
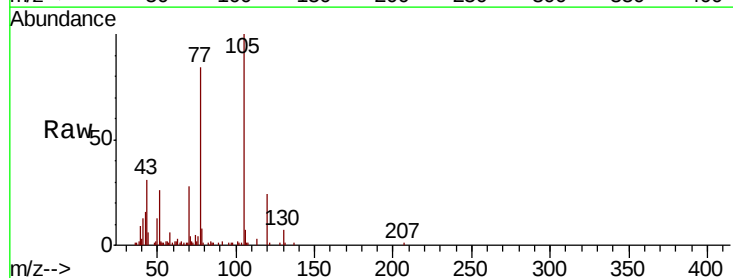
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

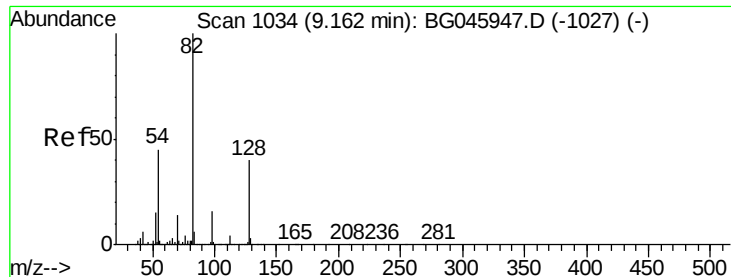
Tot Ion:136	Resp:	494412
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	8.2	6.2 9.4
68	7.7	5.8 8.8



#22
Acetophenone
Concen: 4.258 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:105	Resp:	56244
Ion Ratio	Lower	Upper
105	100	
71	4.0	6.2 9.2#
51	25.7	19.7 29.5
120	24.0	19.2 28.8

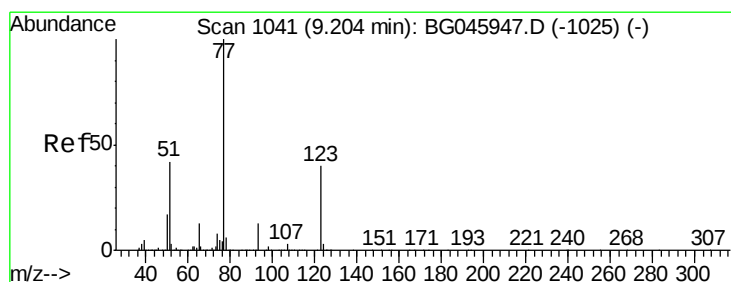
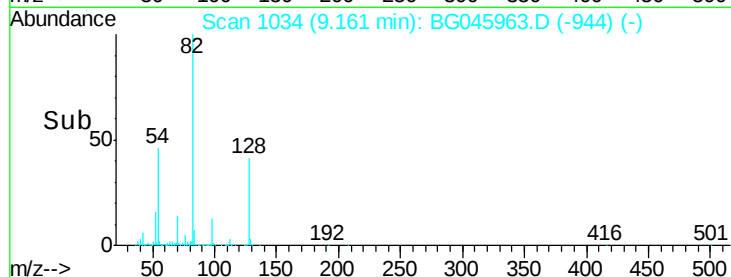
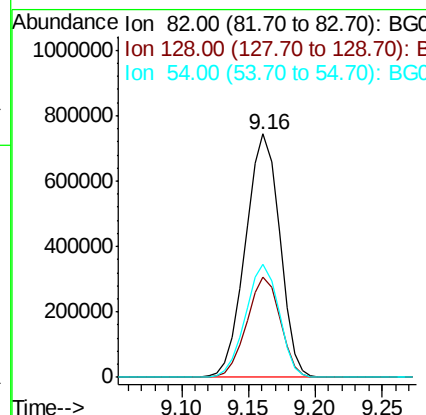
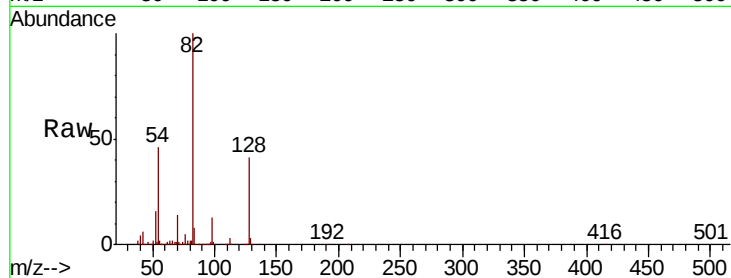




#23
 Nitrobenzene-d5
 Concen: 152.943 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

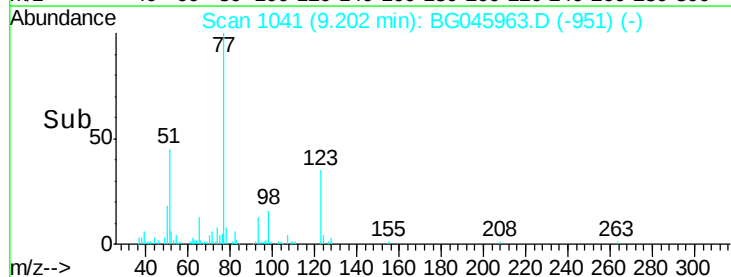
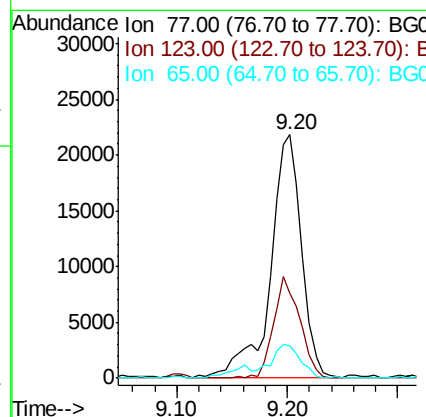
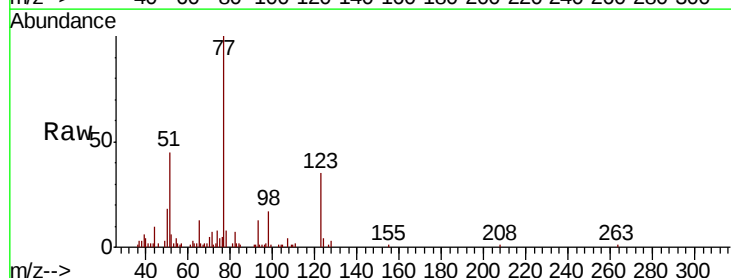
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

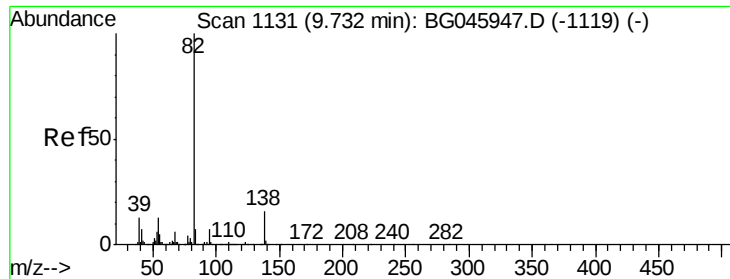
Tot Ion: 82 Resp: 1313752
 Ion Ratio Lower Upper
 82 100
 128 41.2 32.2 48.4
 54 46.3 35.8 53.6



#24
 Nitrobenzene
 Concen: 4.539 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion: 77 Resp: 43033
 Ion Ratio Lower Upper
 77 100
 123 34.8 32.7 49.1
 65 13.4 10.2 15.4

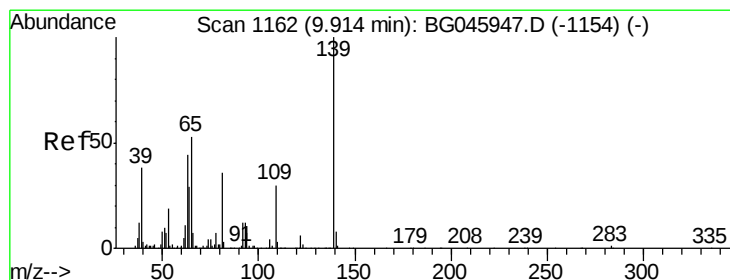
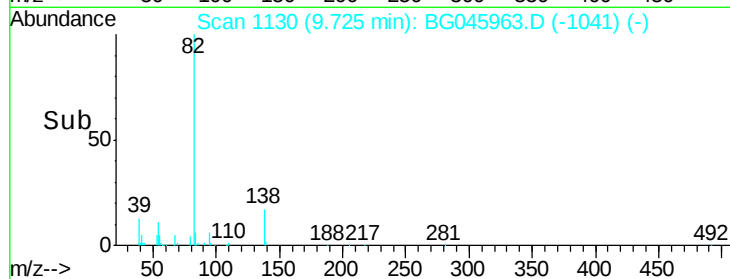
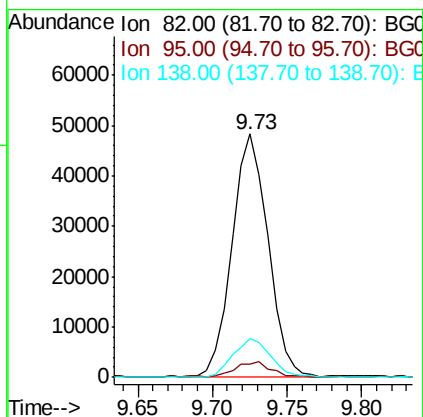
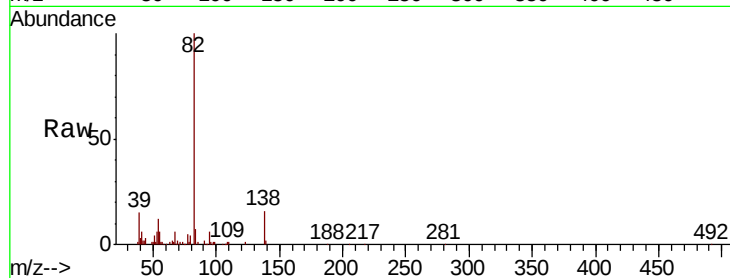




#25
Isophorone
Concen: 3.889 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

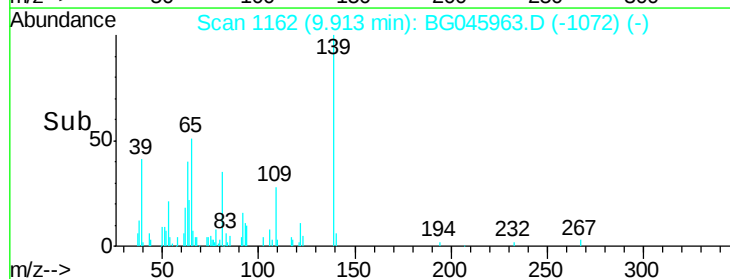
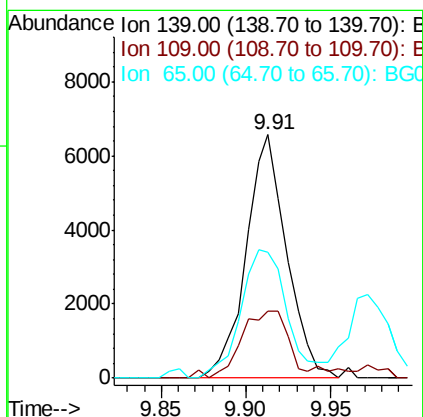
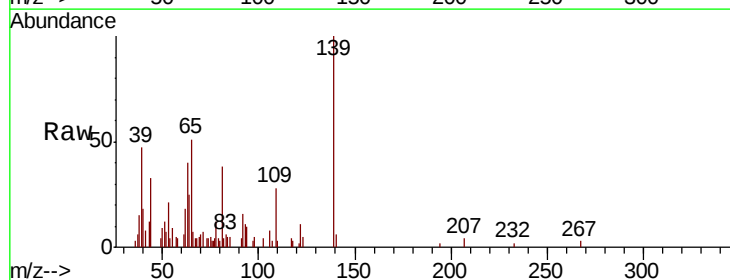
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

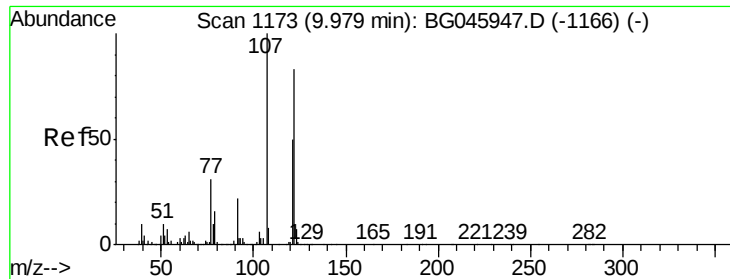
Tot Ion: 82 Resp: 81542
Ion Ratio Lower Upper
82 100
95 5.7 5.8 8.6#
138 16.1 12.9 19.3



#26
2-Nitrophenol
Concen: 3.546 ng
RT: 9.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion: 139 Resp: 10959
Ion Ratio Lower Upper
139 100
109 27.6 24.6 37.0
65 51.5 42.6 64.0

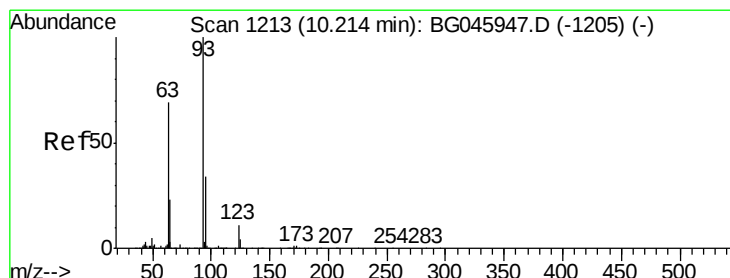
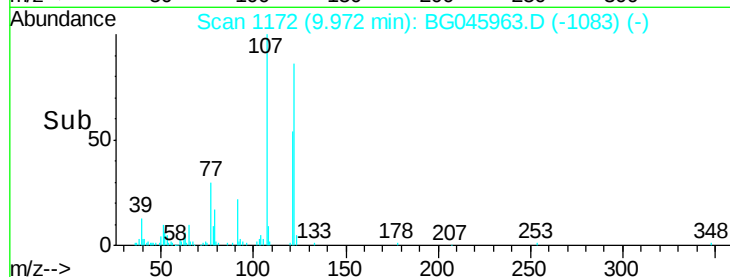
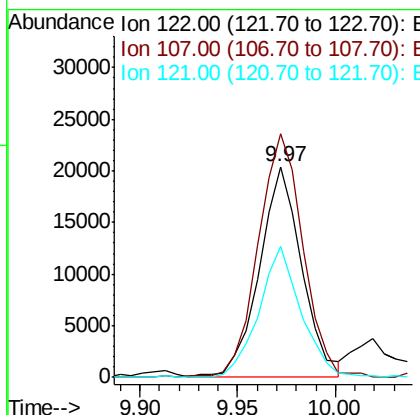
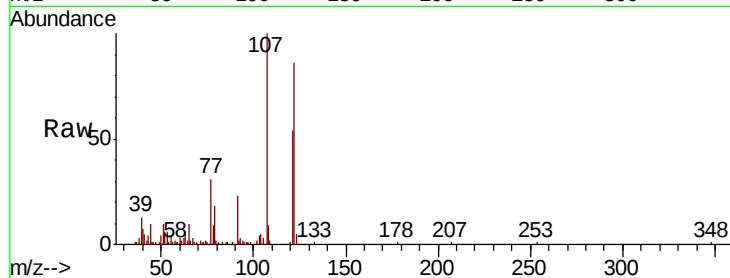




#27
2,4-Dimethylphenol
Concen: 4.111 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

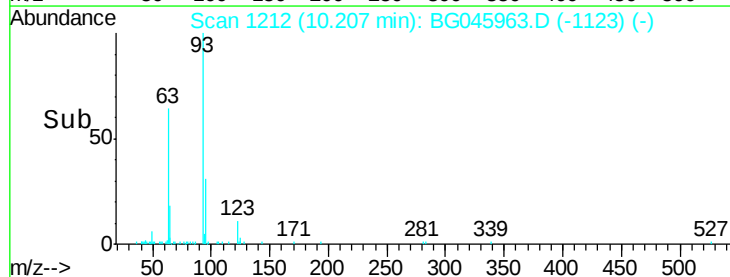
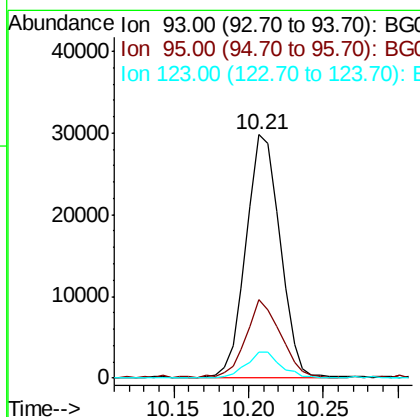
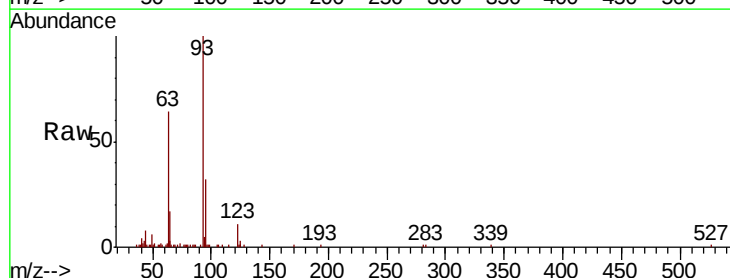
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

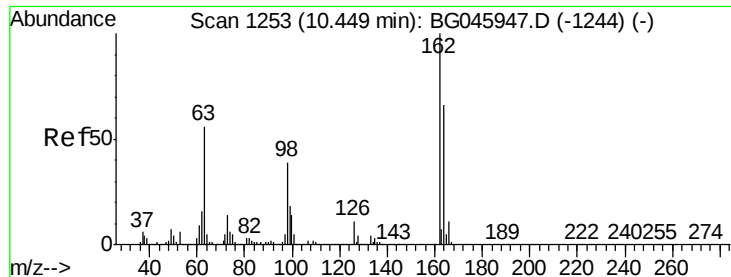
Tot Ion:122 Resp: 30683
Ion Ratio Lower Upper
122 100
107 115.7 95.6 143.4
121 62.2 47.7 71.5



#28
bis(2-Chloroethoxy)methane
Concen: 4.015 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion: 93 Resp: 47279
Ion Ratio Lower Upper
93 100
95 32.0 27.5 41.3
123 10.5 9.2 13.8

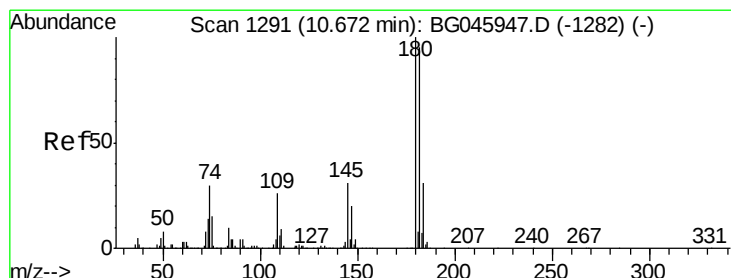
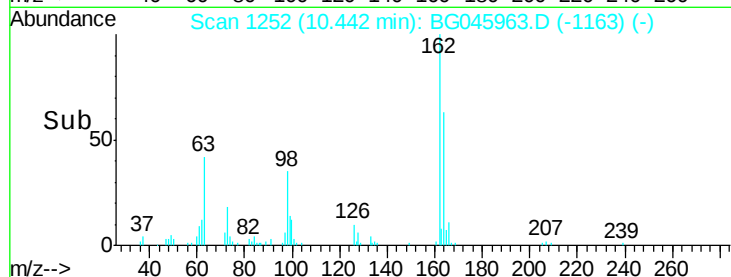
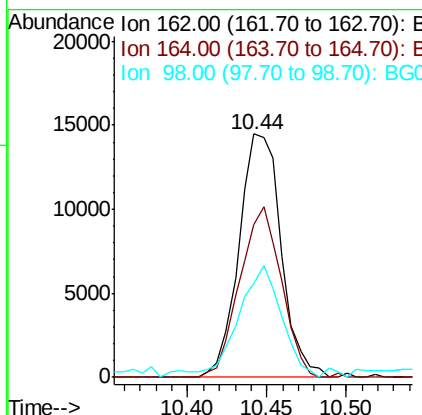
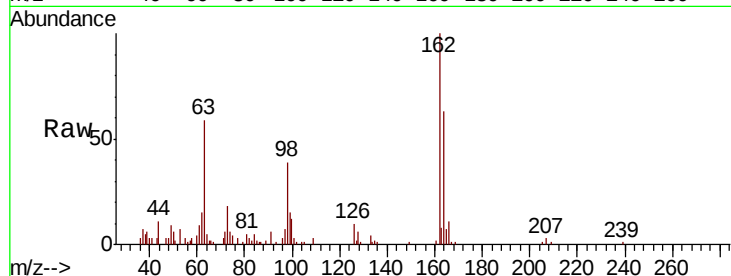




#29
 2,4-Dichlorophenol
 Concen: 3.459 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

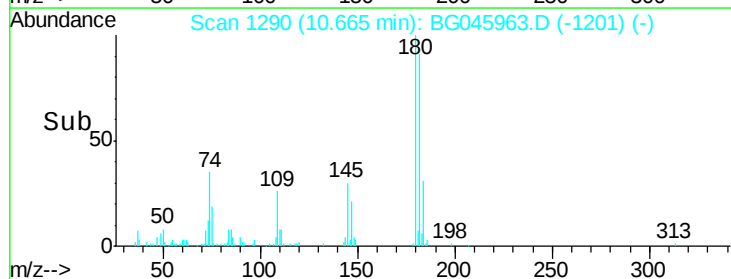
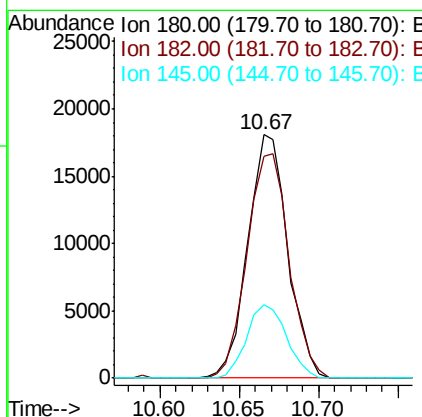
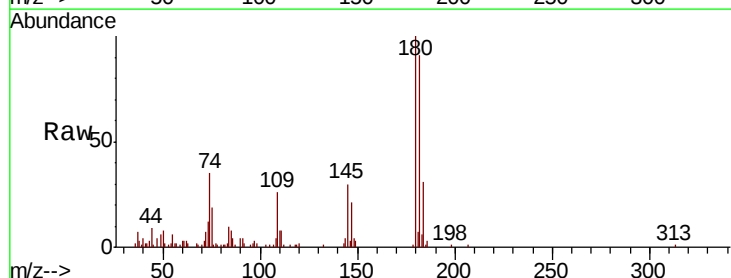
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

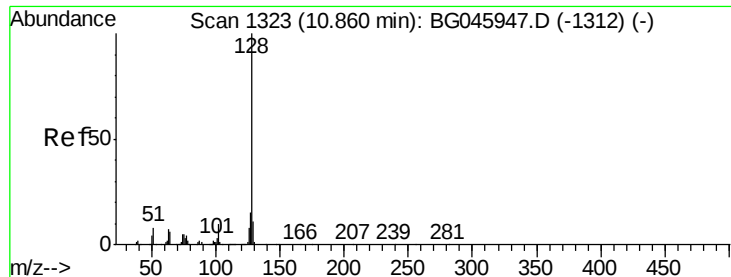
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.7	46.0	86.0
98	38.7	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 3.694 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.3	114.5
145	30.2	24.8	37.2

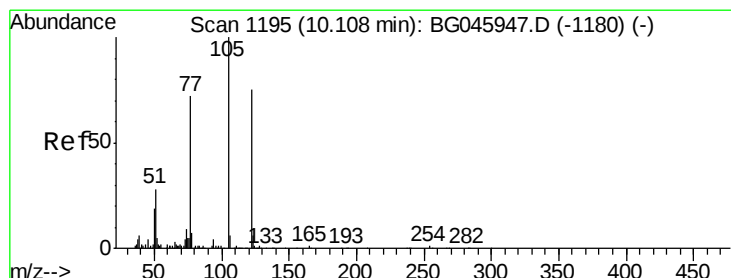
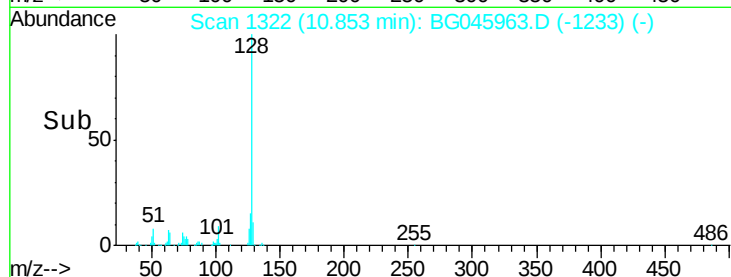
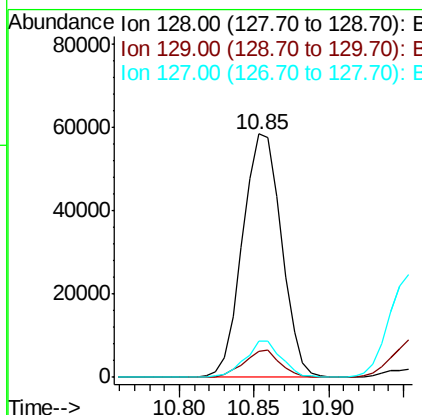
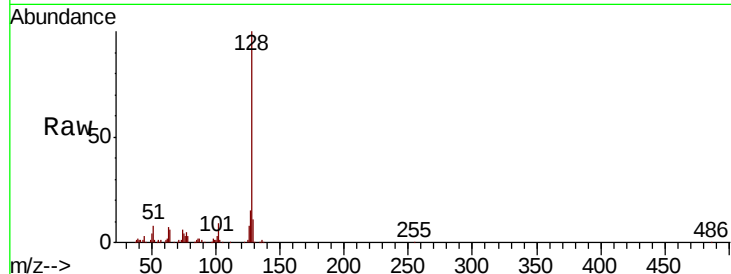




#31
Naphthalene
Concen: 3.966 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

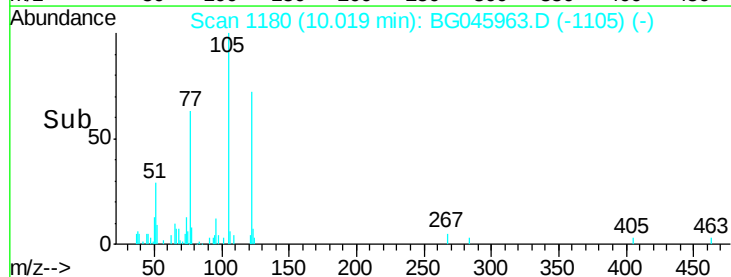
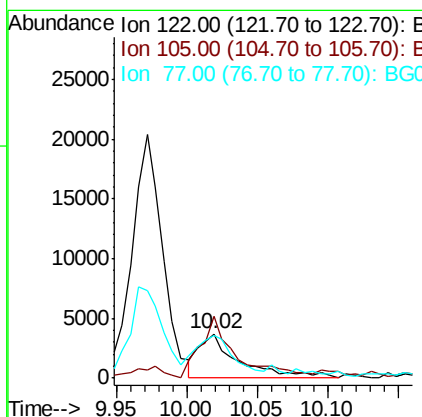
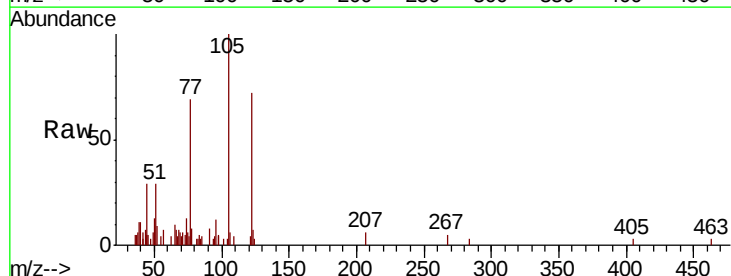
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

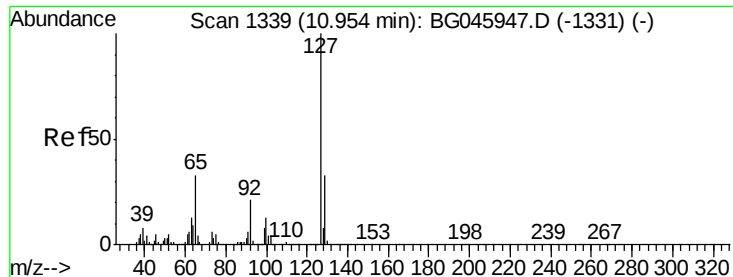
Tot Ion:128 Resp: 105115
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 15.1 11.8 17.6



#32
Benzoic acid
Concen: 1.819 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:122 Resp: 7351
Ion Ratio Lower Upper
122 100
105 139.4 110.8 150.8
77 96.6 76.4 116.4

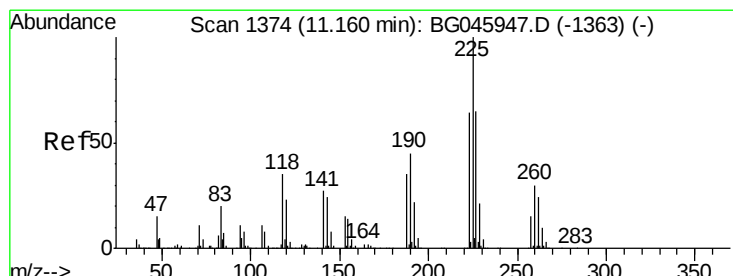
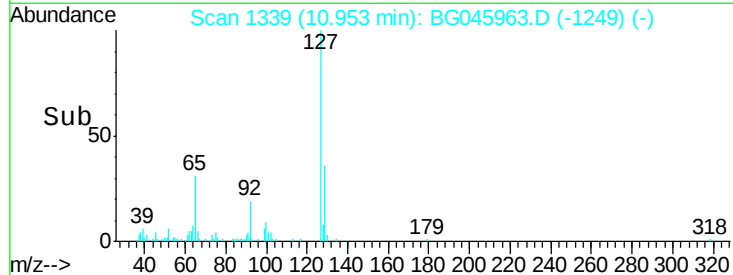
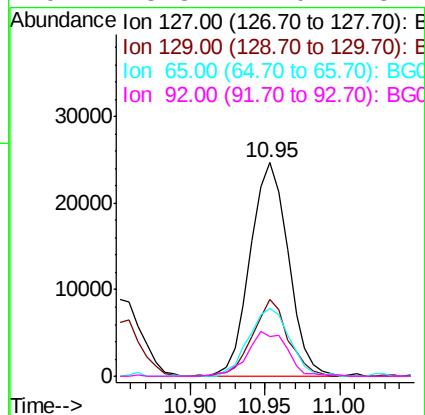
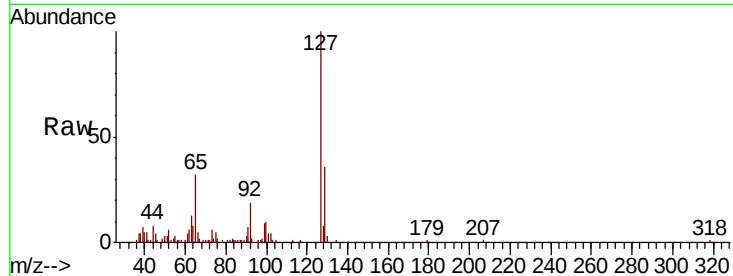




#33
4-Chloroaniline
Concen: 3.679 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

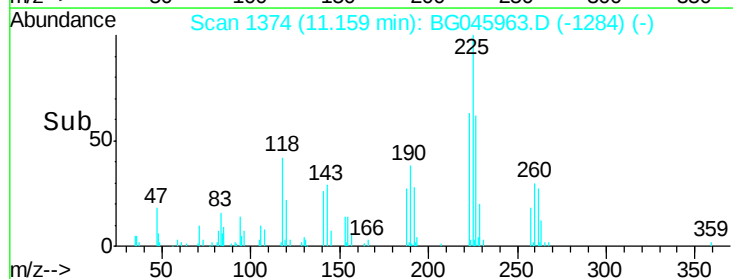
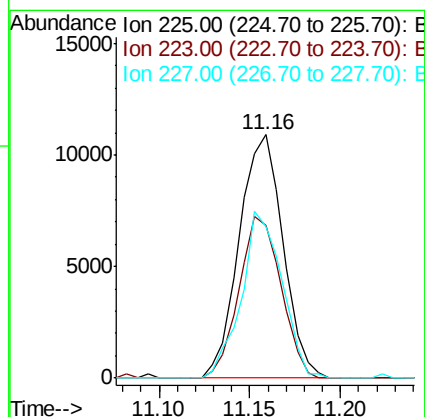
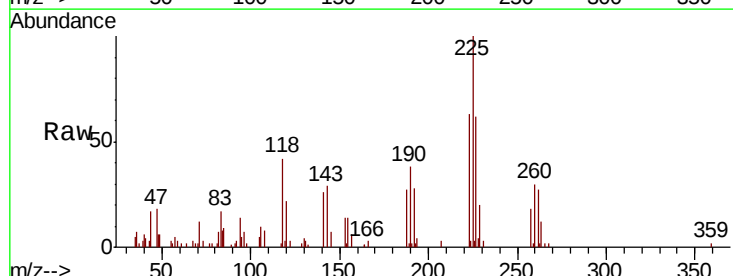
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

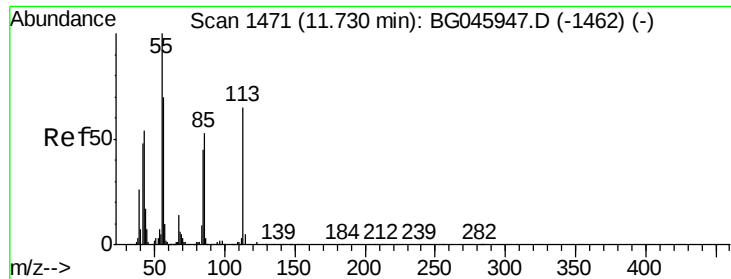
Tot Ion:127	Resp:	43572
Ion Ratio	Lower	Upper
127	100	
129	36.1	26.6 39.8
65	31.9	26.8 40.2
92	18.8	17.0 25.4



#34
Hexachlorobutadiene
Concen: 3.668 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:225	Resp:	18335
Ion Ratio	Lower	Upper
225	100	
223	62.8	51.2 76.8
227	62.4	52.3 78.5

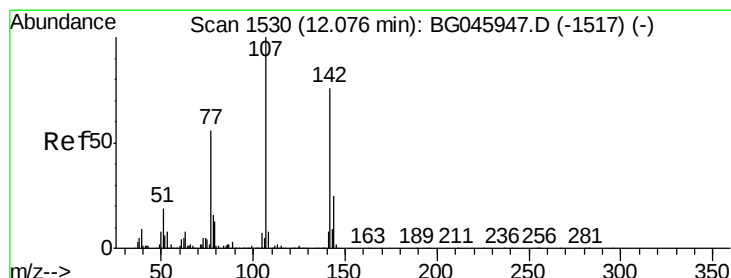
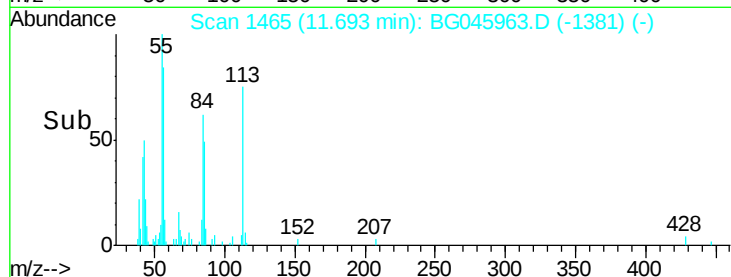
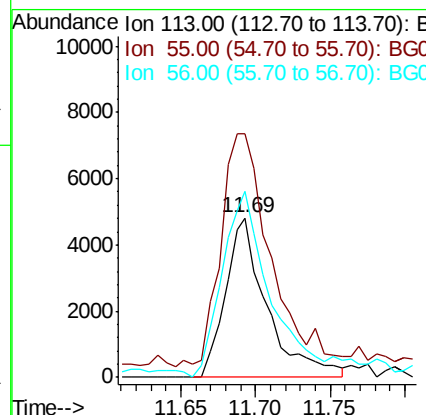
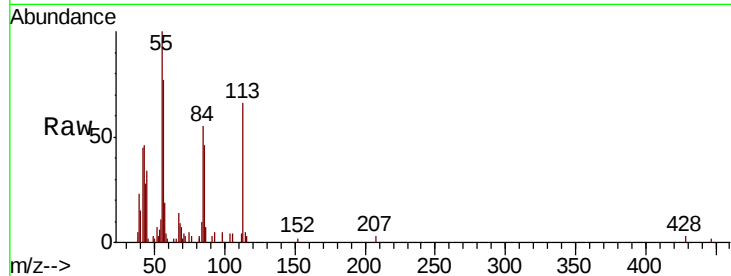




#35
 Caprolactam
 Concen: 3.182 ng
 RT: 11.69 min Scan# 1465
 Delta R.T. -0.04 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

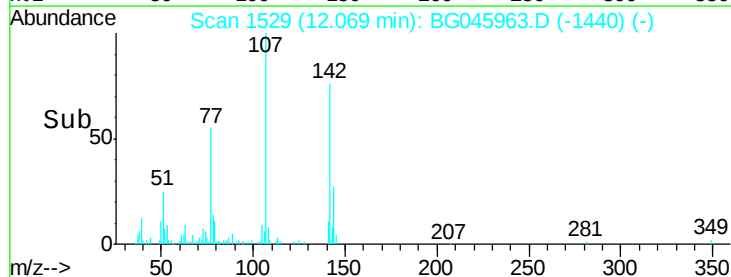
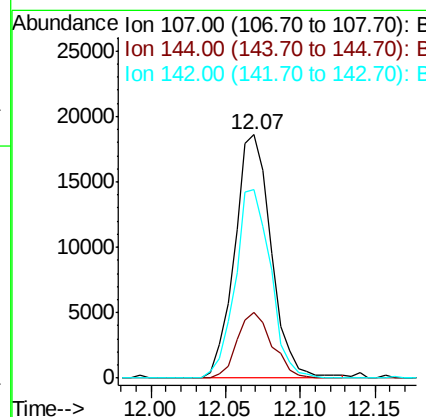
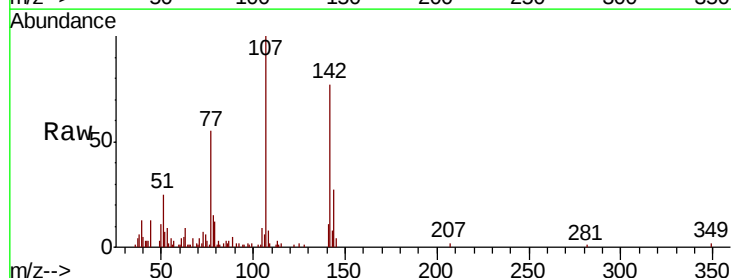
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

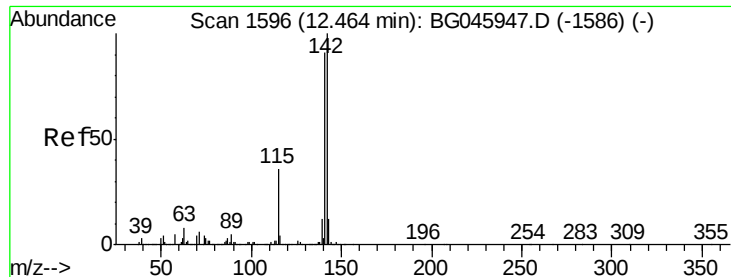
Tot Ion:113 Resp: 9334
 Ion Ratio Lower Upper
 113 100
 55 152.5 141.6 181.6
 56 116.7 89.6 129.6



#36
 4-Chloro-3-methylphenol
 Concen: 3.613 ng
 RT: 12.07 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion:107 Resp: 31799
 Ion Ratio Lower Upper
 107 100
 144 26.9 20.0 30.0
 142 77.4 61.1 91.7

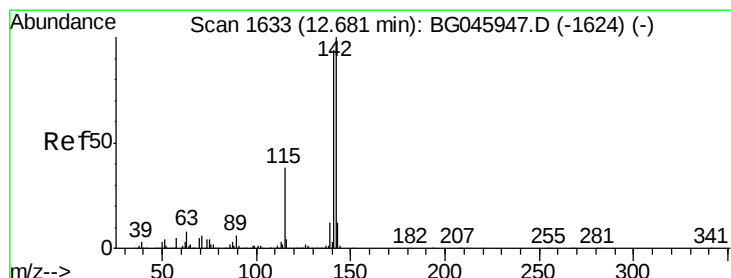
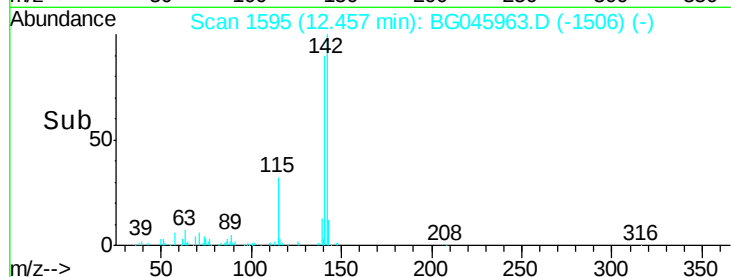
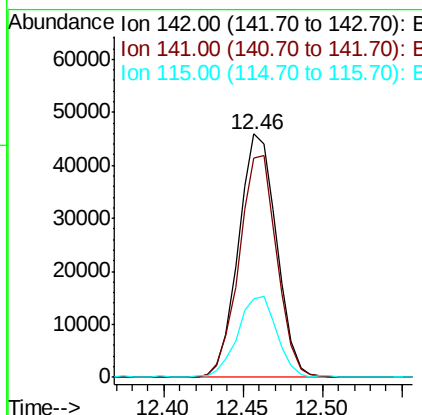
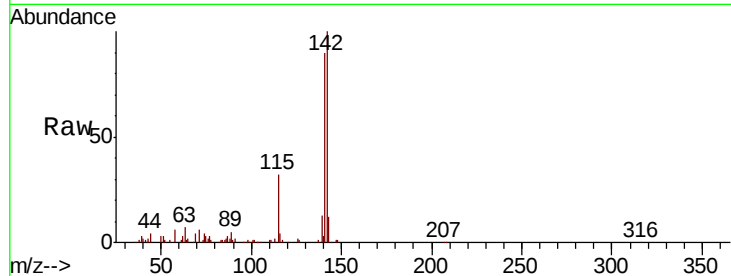




#37
2-Methylnaphthalene
Concen: 4.051 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

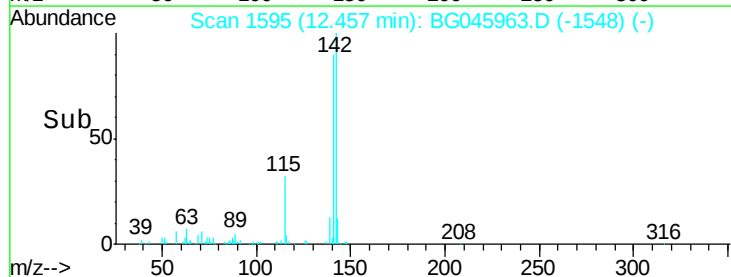
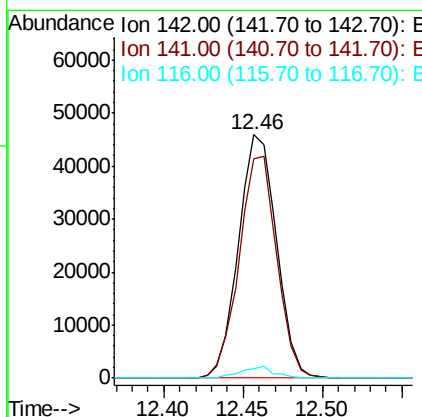
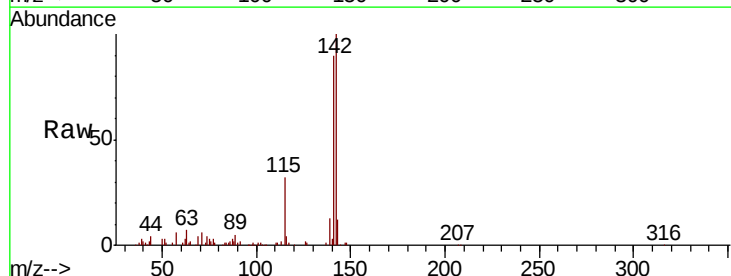
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

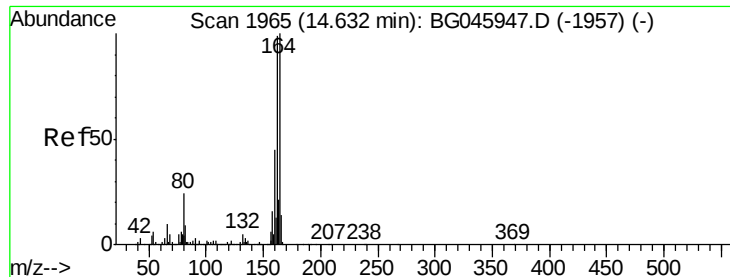
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.0	109.6
115	32.1	28.8	43.2



#38
1-Methylnaphthalene
Concen: 4.292 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.22 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	75.2	112.8
116	3.7	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

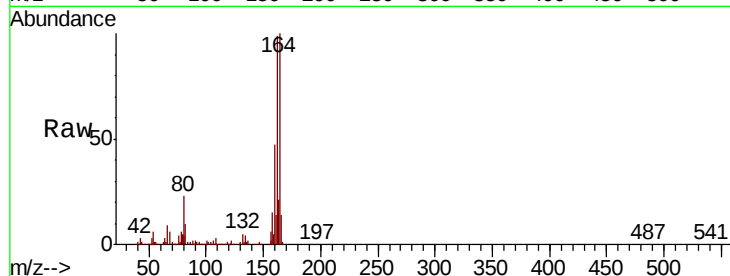
Tot Ion:164 Resp: 295673

Ion Ratio Lower Upper

164 100

162 99.1 79.3 118.9

160 46.5 35.7 53.5

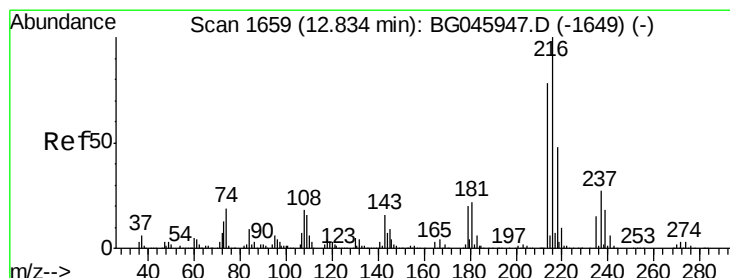
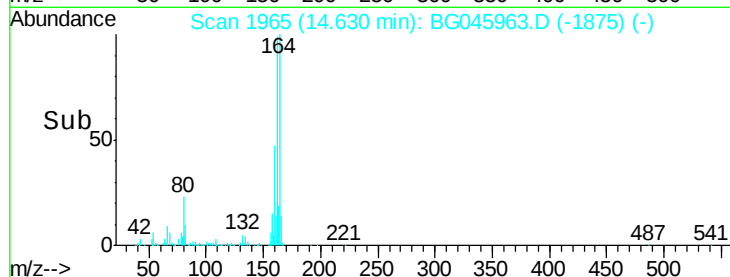
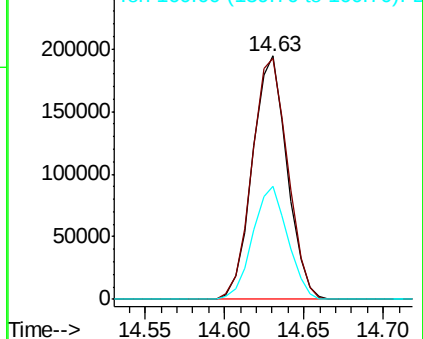


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.323 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:216 Resp: 36029

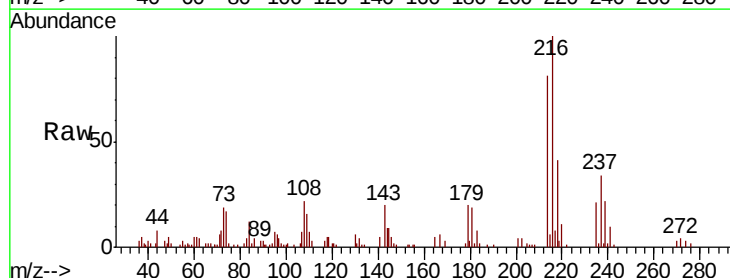
Ion Ratio Lower Upper

216 100

214 77.7 63.0 94.4

179 22.3 17.0 25.6

108 21.6 17.3 25.9



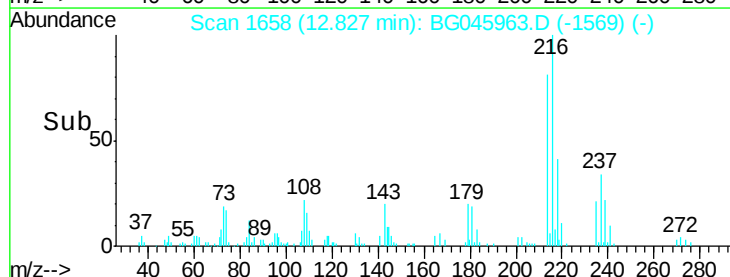
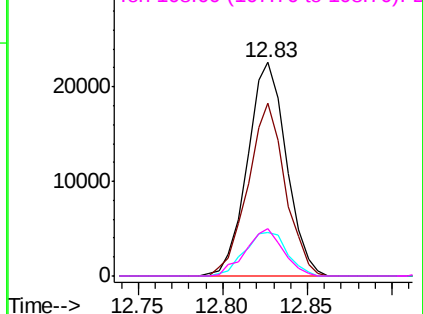
Abundance

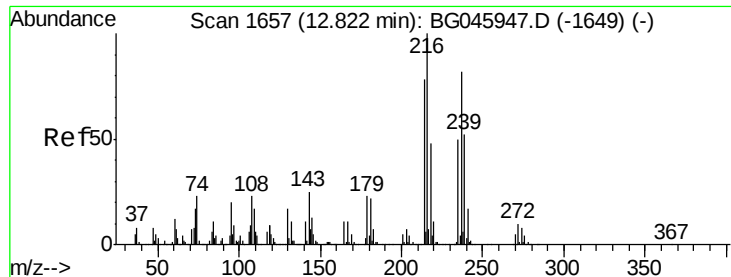
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 3.738 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

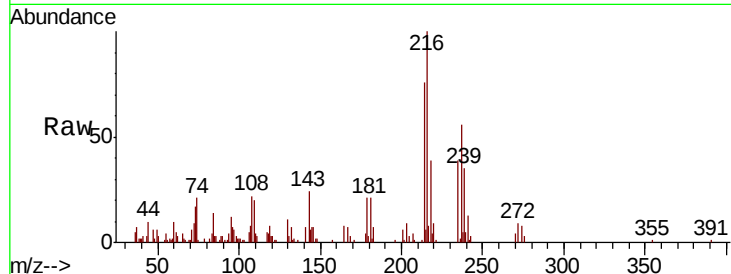
Tot Ion:237 Resp: 18486

Ion Ratio Lower Upper

237 100

235 69.5 41.5 81.5

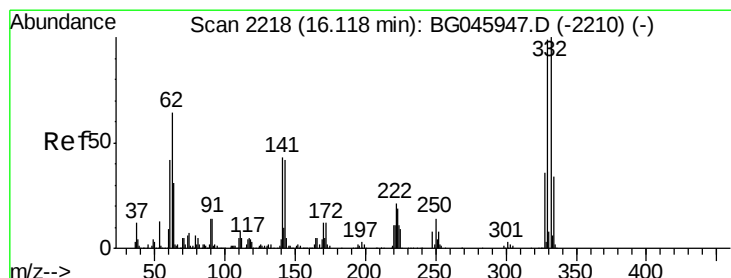
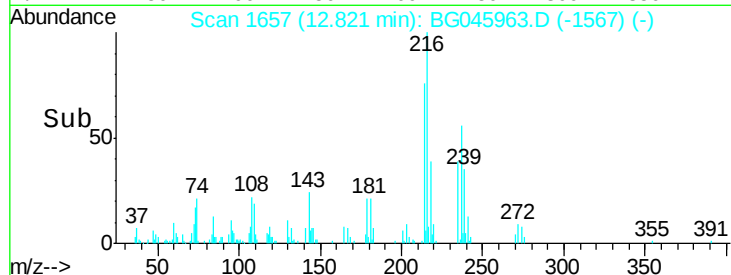
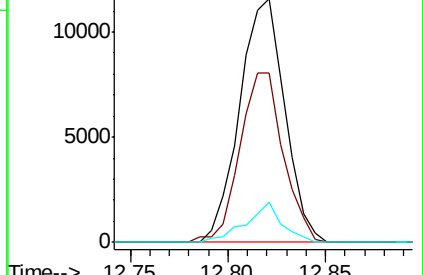
272 16.3 0.0 31.7



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: 164.923 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

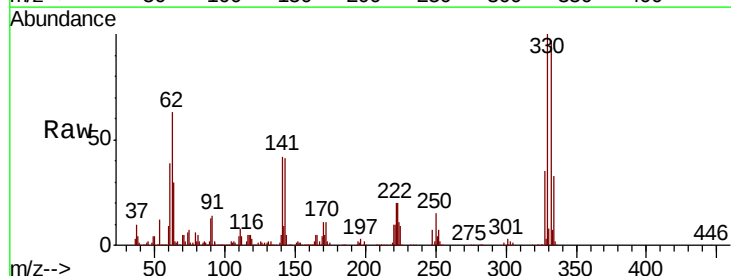
Tgt Ion:330 Resp: 452574

Ion Ratio Lower Upper

330 100

332 96.8 78.3 117.5

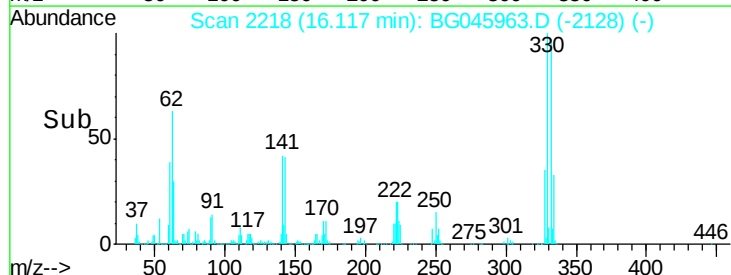
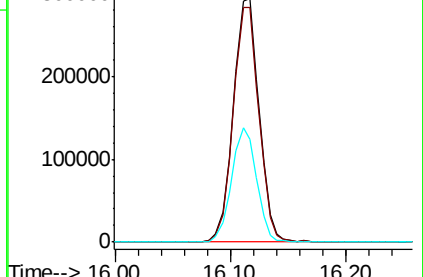
141 46.0 36.6 54.8

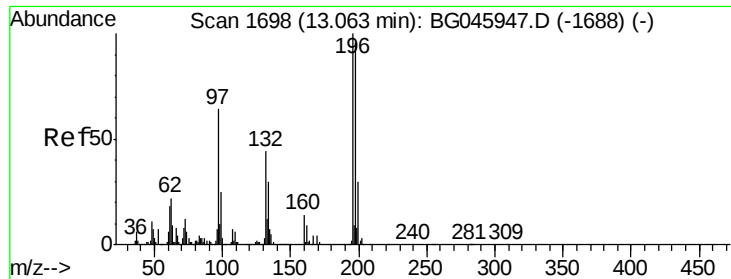


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

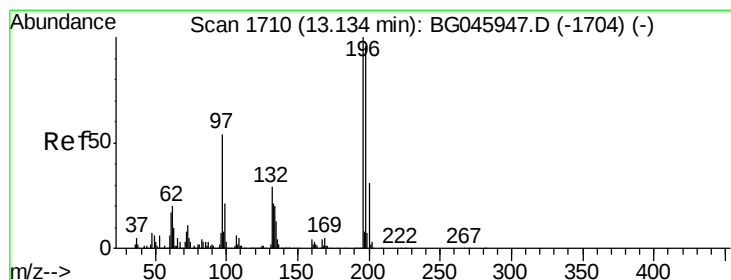
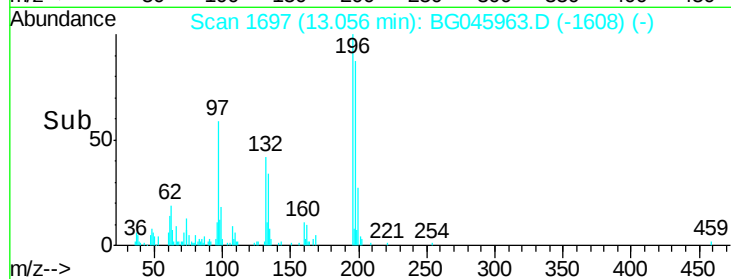
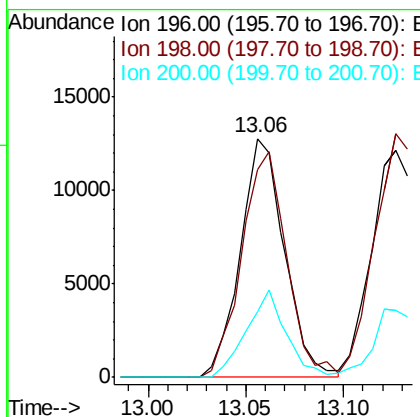
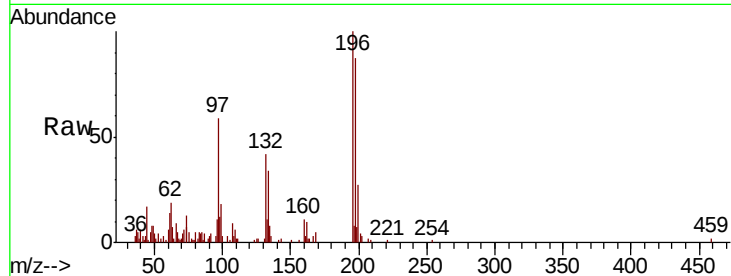




#43
 2,4,6-Trichlorophenol
 Concen: 3.565 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

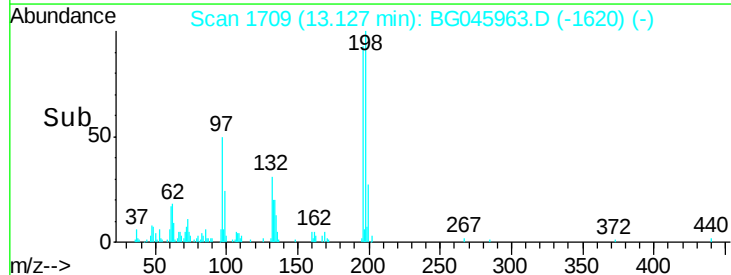
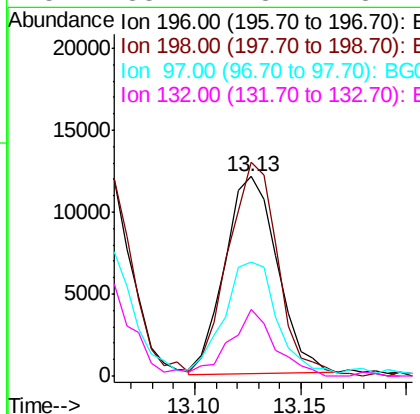
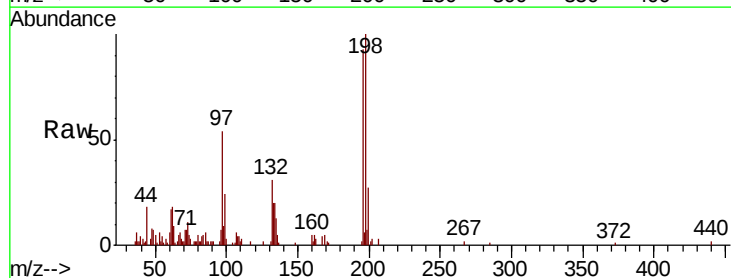
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

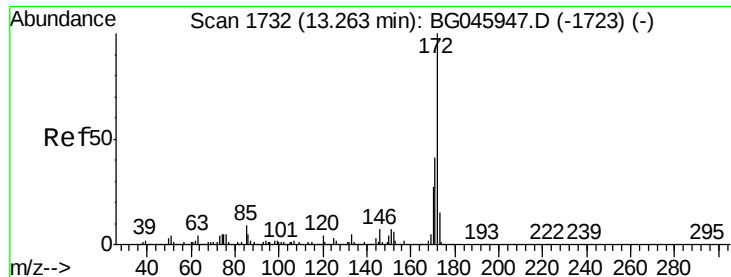
Tot Ion:196 Resp: 20093
 Ion Ratio Lower Upper
 196 100
 198 87.1 76.7 115.1
 200 27.3 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 3.260 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion:196 Resp: 20777
 Ion Ratio Lower Upper
 196 100
 198 107.0 77.0 115.6
 97 57.3 44.3 66.5
 132 33.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 130.531 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

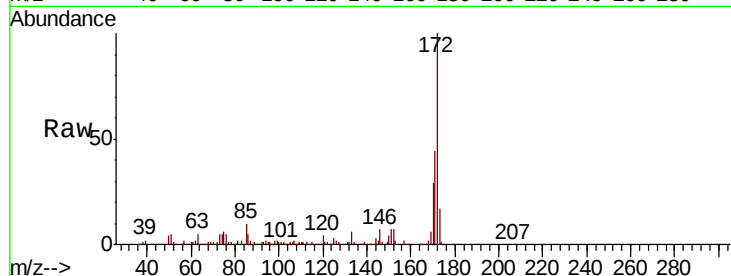
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:172 Resp: 2474287

Ion	Ratio	Lower	Upper
172	100		
171	44.1	32.9	49.3
170	29.5	21.8	32.6

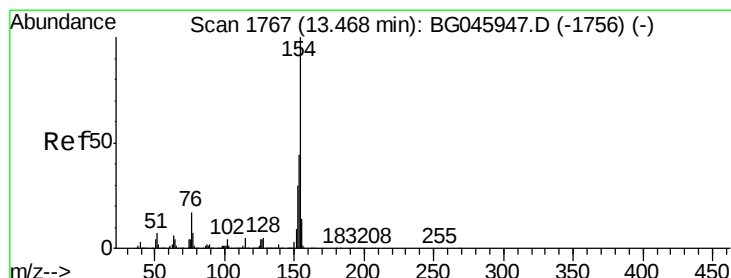
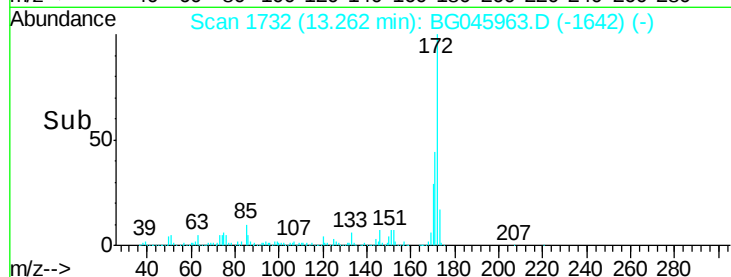
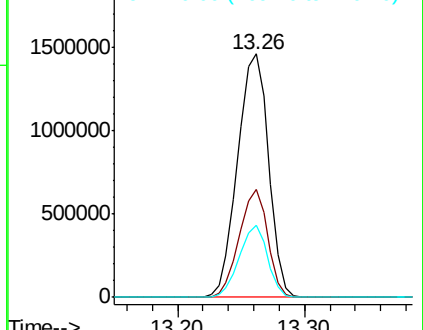


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 4.612 ng

RT: 13.47 min Scan# 1767

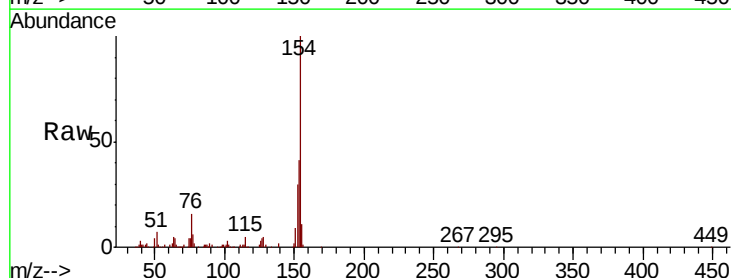
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:154 Resp: 102572

Ion	Ratio	Lower	Upper
154	100		
153	41.1	23.6	63.6
76	15.5	0.0	36.9

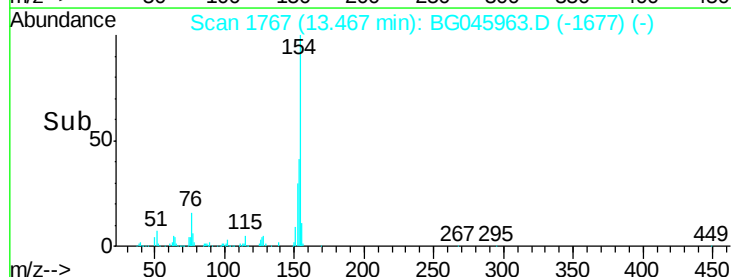
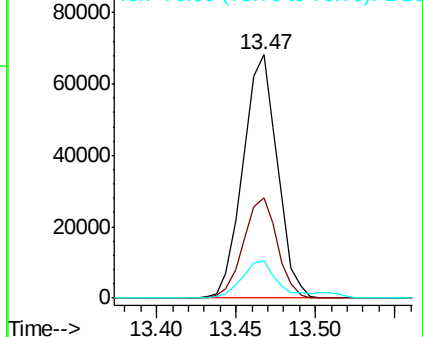


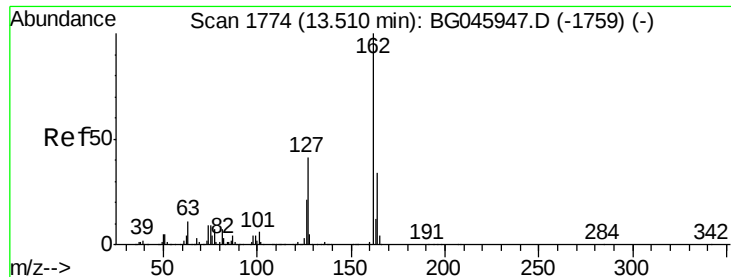
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

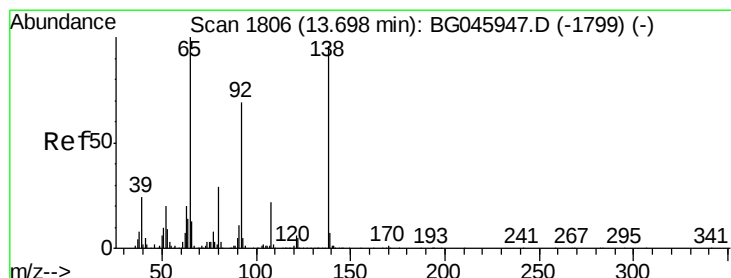
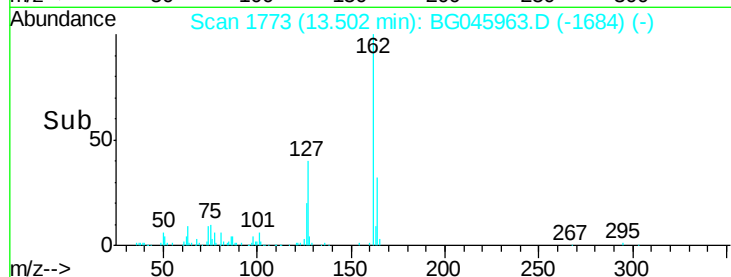
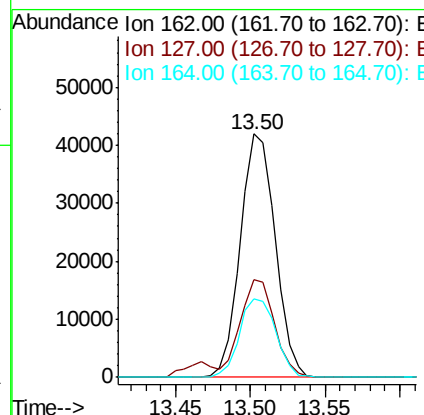
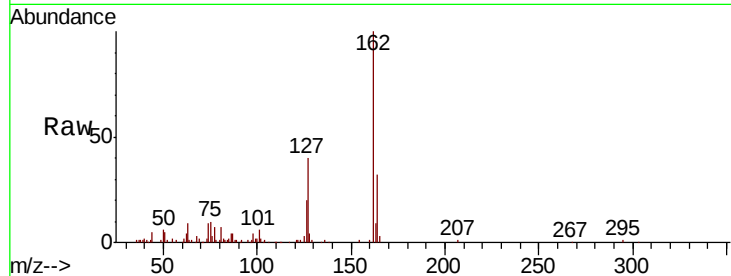




#47
 2-Chloronaphthalene
 Concen: 3.890 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

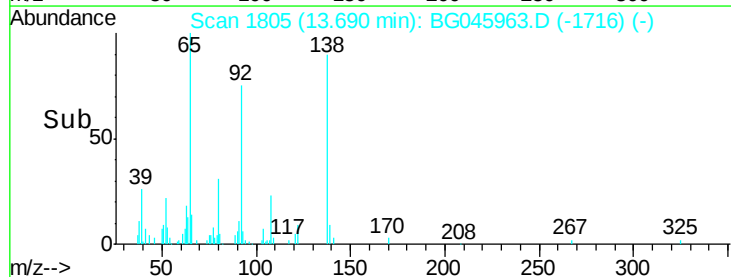
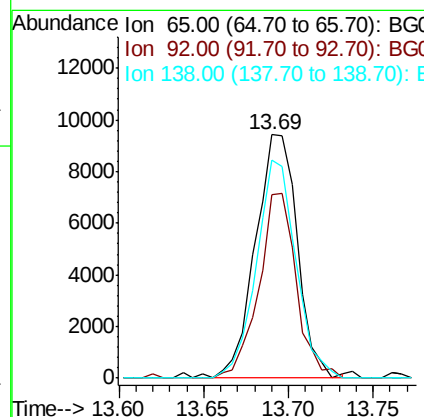
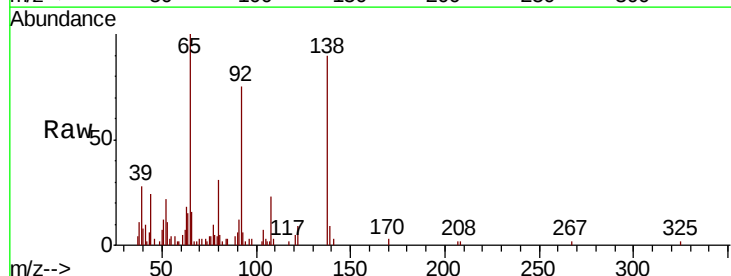
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

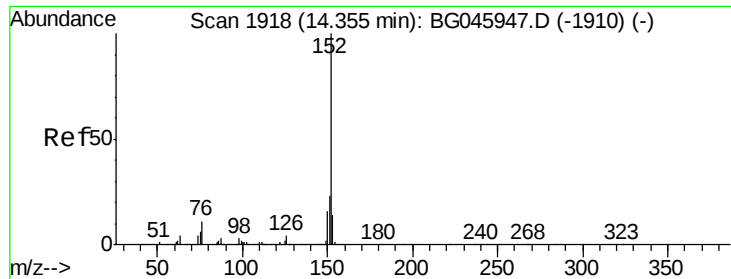
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.5	48.7
164	32.5	27.2	40.8



#48
 2-Nitroaniline
 Concen: 3.954 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.4	55.4	83.0
138	89.7	77.0	115.4





#49

Acenaphthylene

Concen: 4.176 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

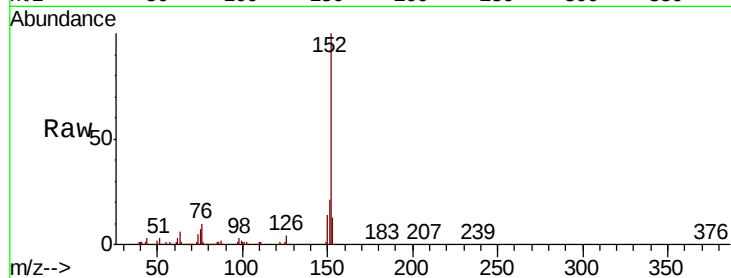
Tot Ion:152 Resp: 118254

Ion Ratio Lower Upper

152 100

151 20.8 18.1 27.1

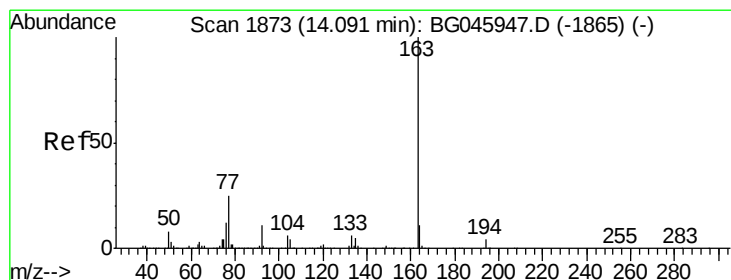
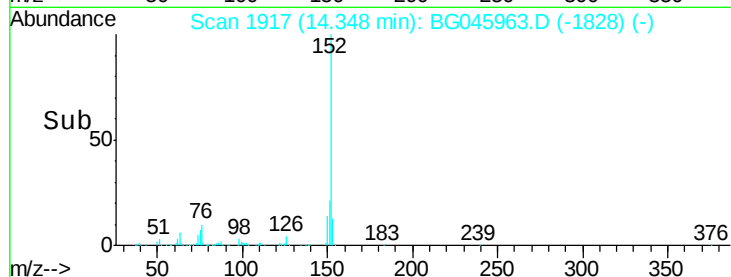
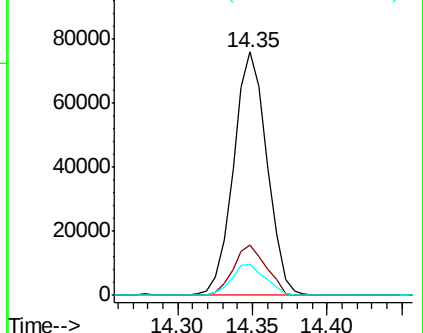
153 12.8 11.5 17.3



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: 3.943 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

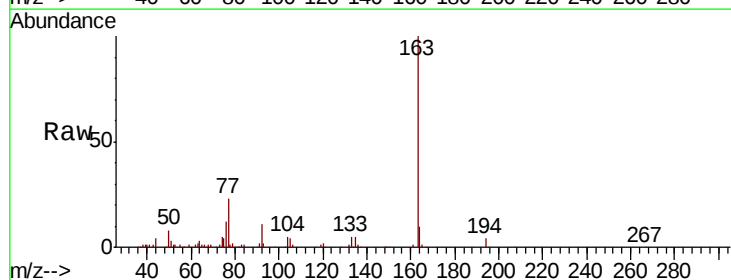
Tgt Ion:163 Resp: 87501

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

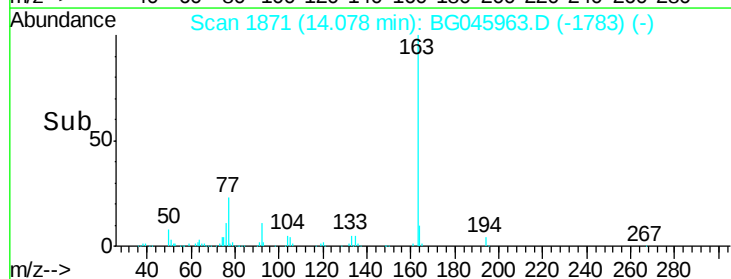
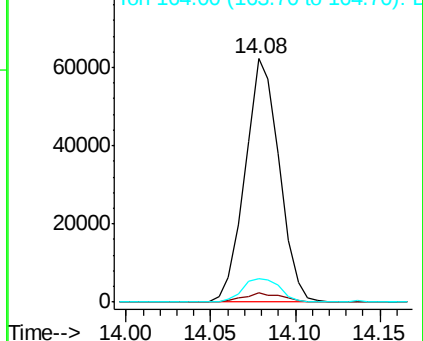
164 9.9 8.9 13.3

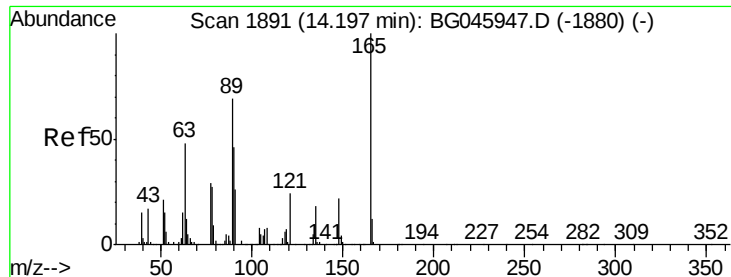


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

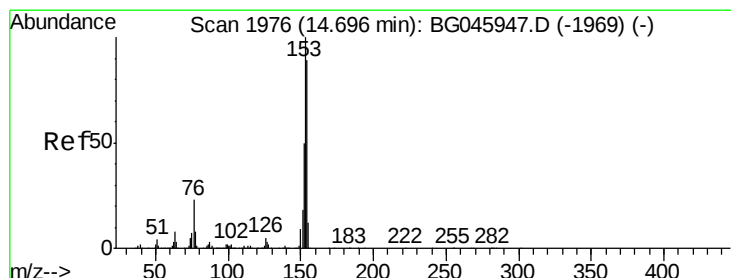
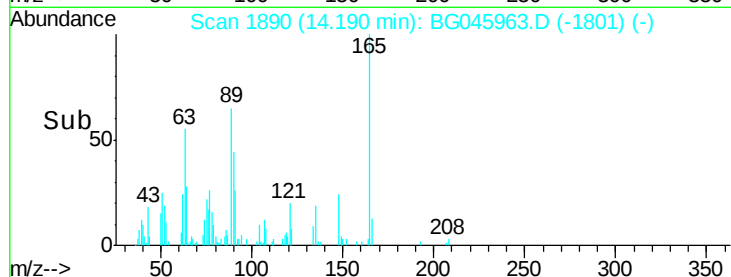
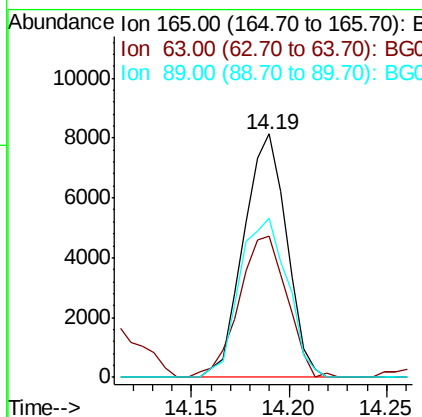
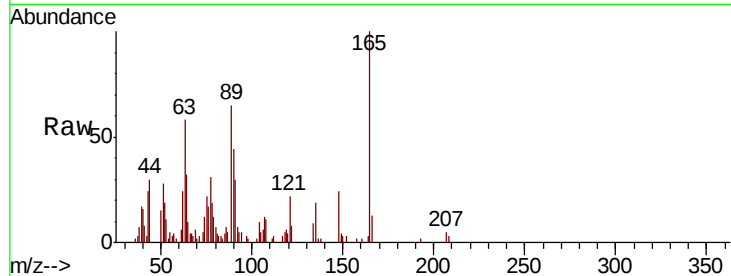




#51
2,6-Dinitrotoluene
Concen: 3.595 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

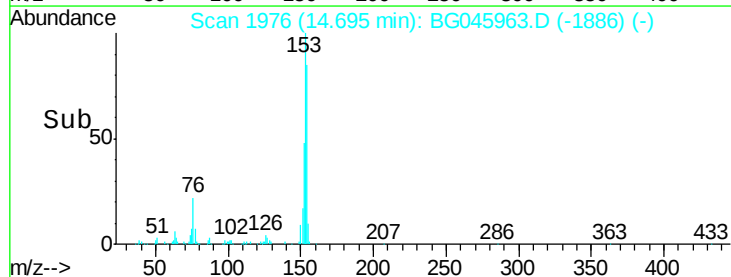
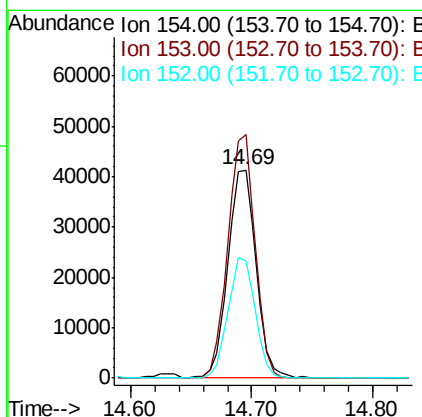
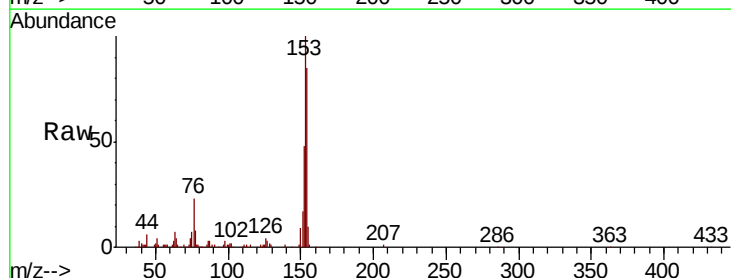
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

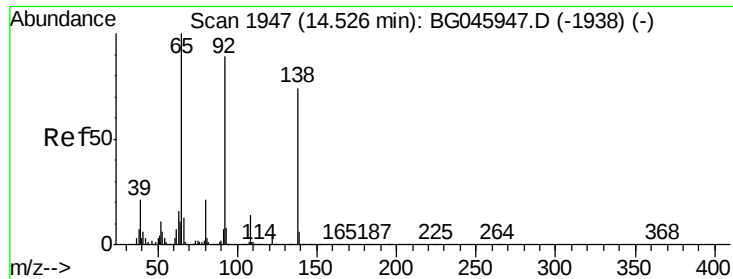
Tot Ion:165 Resp: 12378
Ion Ratio Lower Upper
165 100
63 58.0 51.0 76.4
89 65.3 55.7 83.5



#52
Acenaphthene
Concen: 3.764 ng
RT: 14.69 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:154 Resp: 67217
Ion Ratio Lower Upper
154 100
153 117.0 89.7 134.5
152 56.2 44.7 67.1

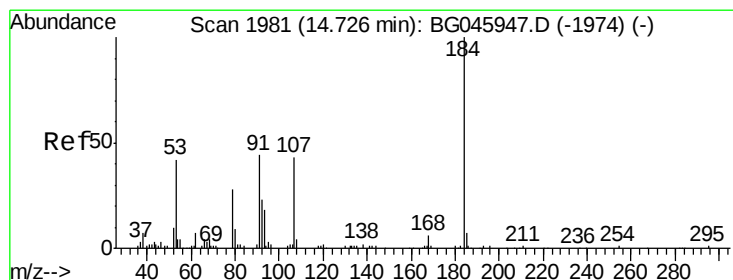
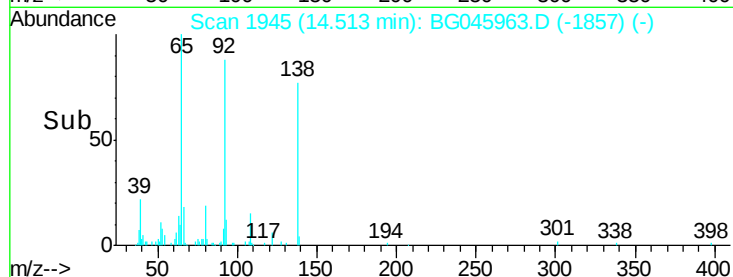
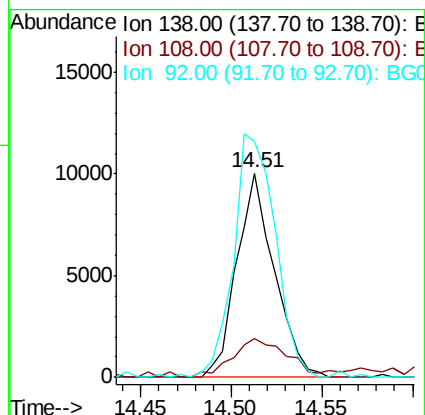
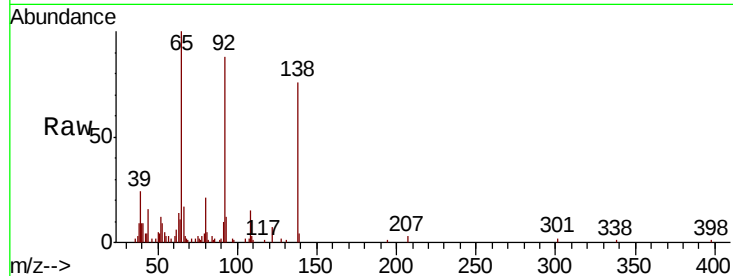




#53
3-Nitroaniline
Concen: 3.393 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

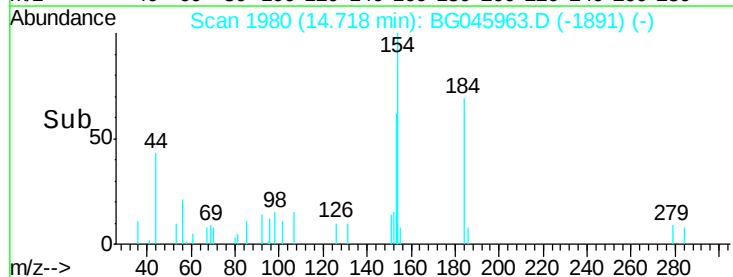
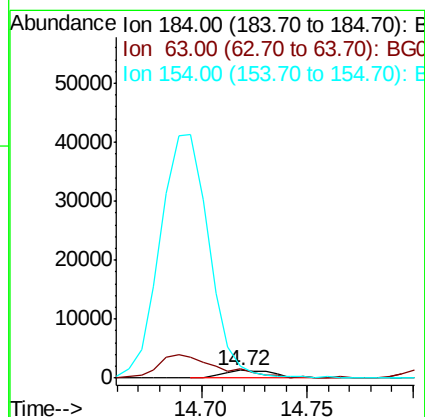
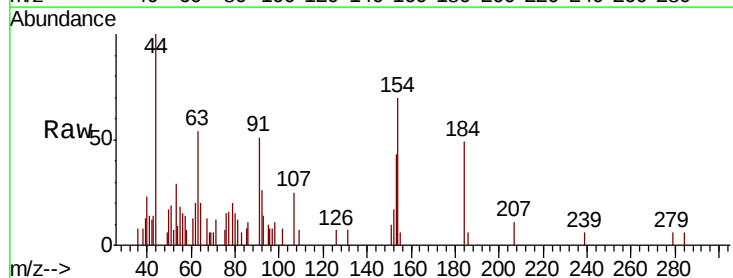
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

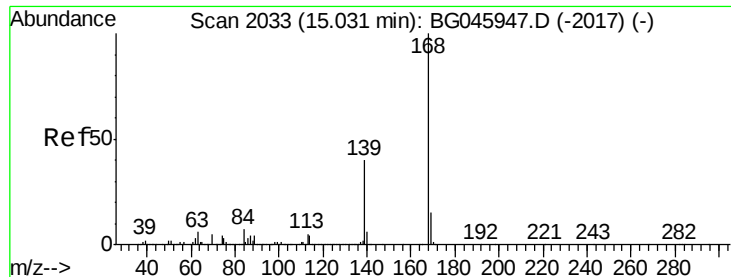
Tot Ion:138 Resp: 14479
Ion Ratio Lower Upper
138 100
108 19.1 15.4 23.2
92 115.5 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 1.863 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:184 Resp: 2263
Ion Ratio Lower Upper
184 100
63 111.6 46.0 69.0#
154 143.9 58.2 87.2#

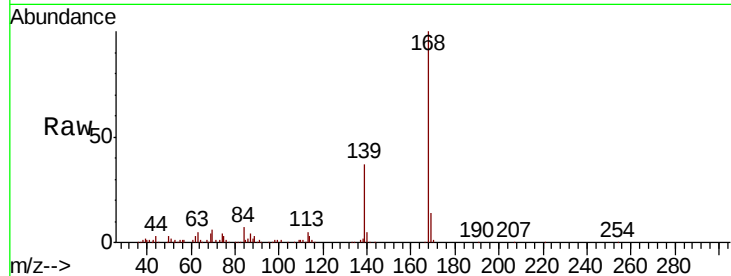




#55
Dibenzenofuran
Concen: 4.189 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.6	32.2	48.2
169	14.5	11.8	17.8

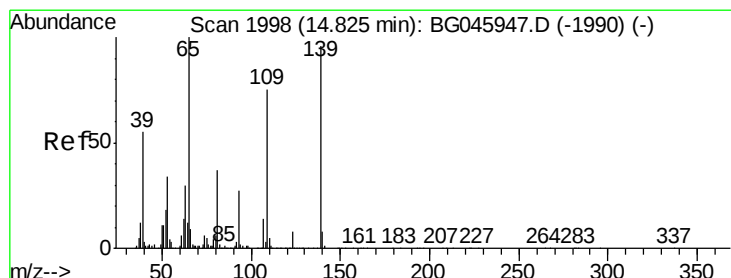
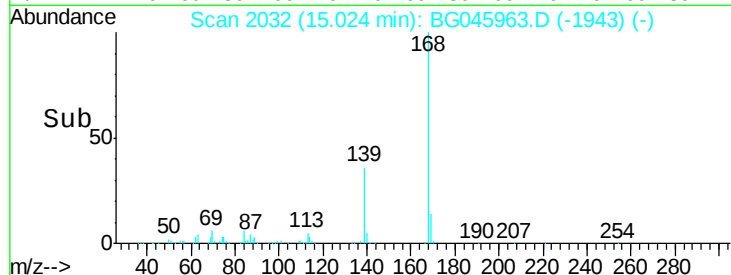
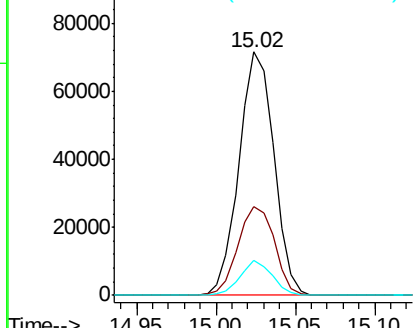


Abundance

Ion 168.00 (167.70 to 168.70): E

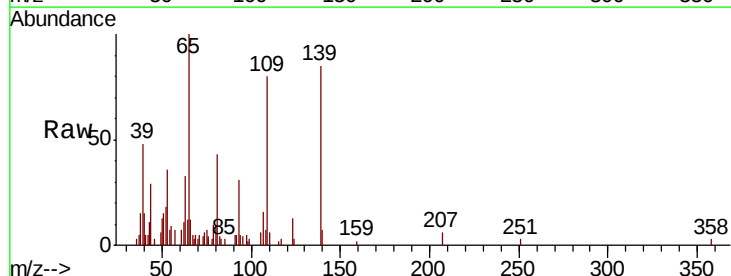
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 2.989 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	94.7	58.5	98.5
65	118.1	84.7	124.7

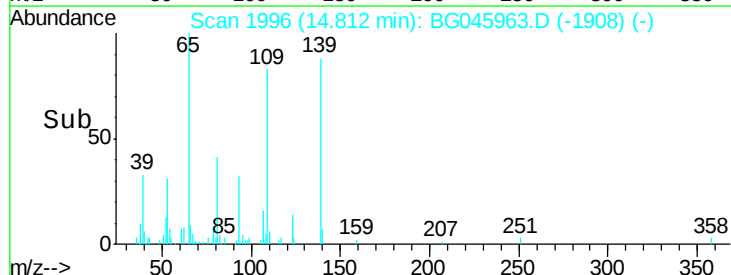
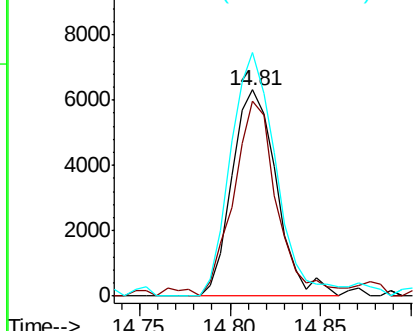


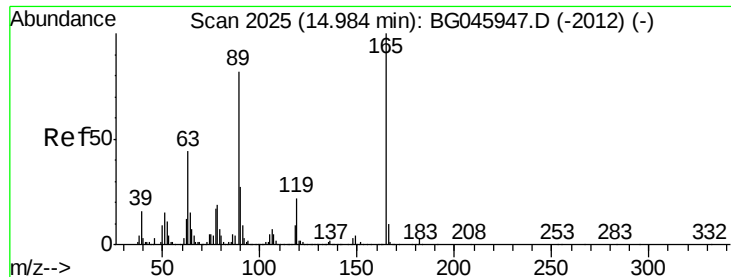
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGO

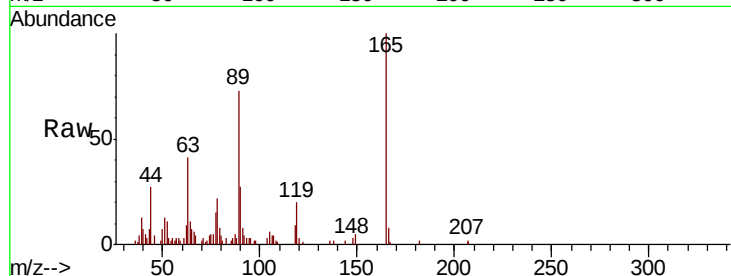




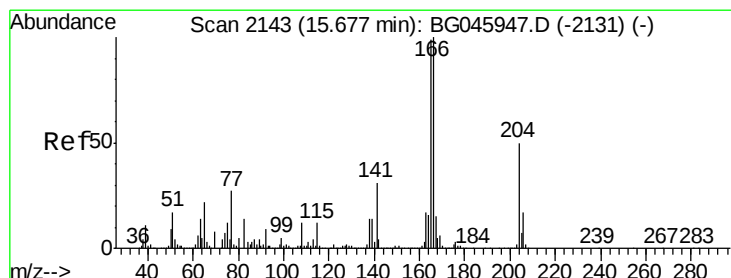
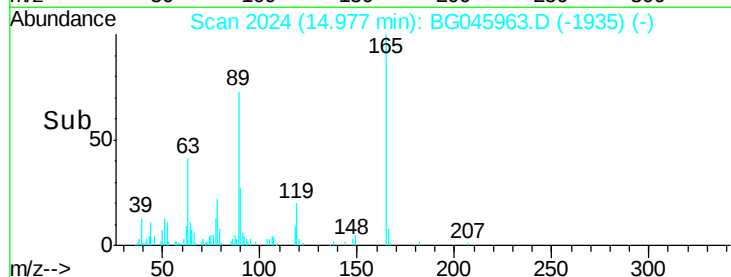
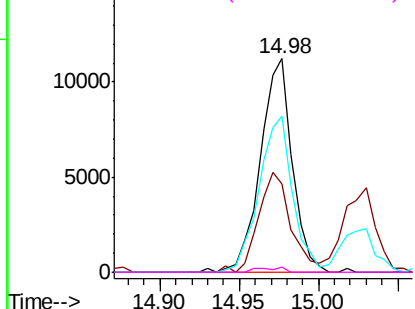
#57
2,4-Dinitrotoluene
Concen: 3.705 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion:165 Resp: 15761
Ion Ratio Lower Upper
165 100
63 41.3 35.4 53.0
89 73.2 65.4 98.2
182 2.4 2.0 3.0

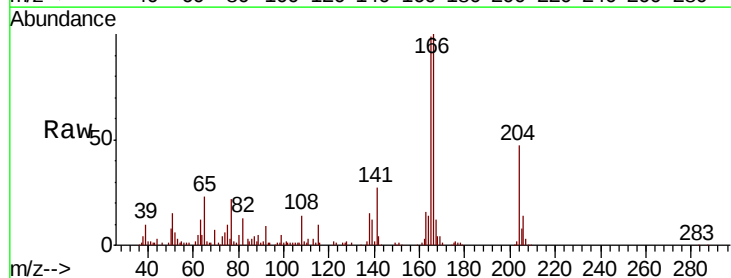


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

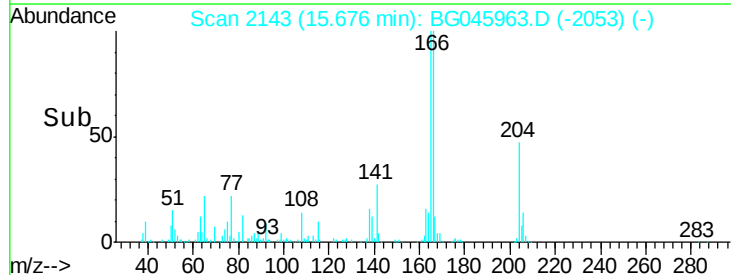
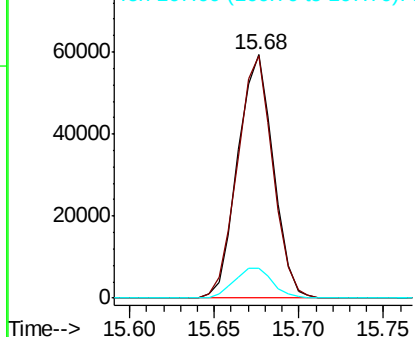


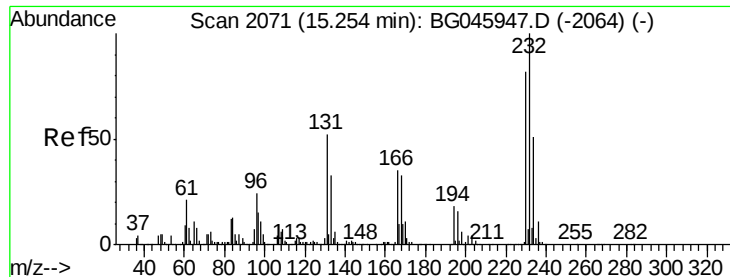
#58
Fluorene
Concen: 4.039 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:166 Resp: 86739
Ion Ratio Lower Upper
166 100
165 99.3 78.9 118.3
167 12.1 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: 3.655 ng

RT: 15.25 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:232 Resp: 17986

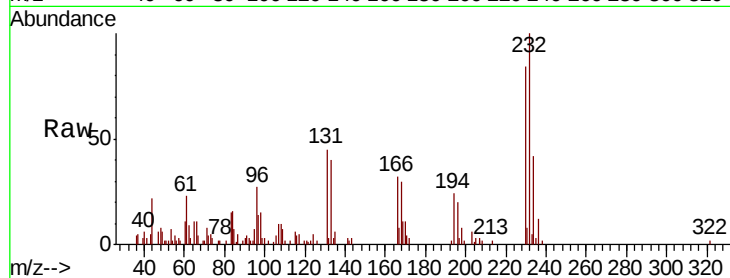
Ion Ratio Lower Upper

232 100

131 49.1 35.8 53.6

130 2.2 2.5 3.7#

166 32.9 21.8 32.8#

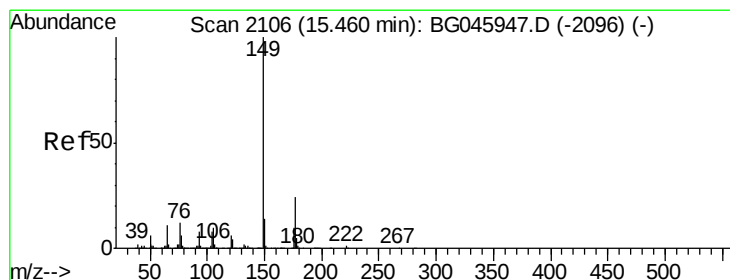
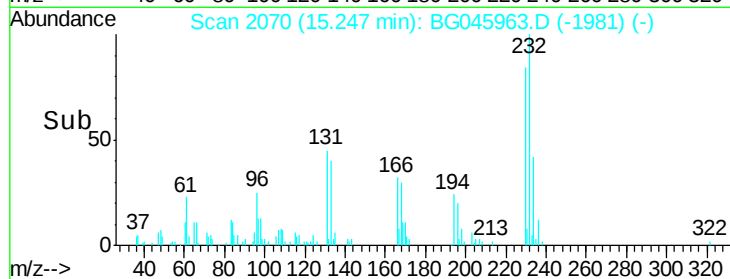
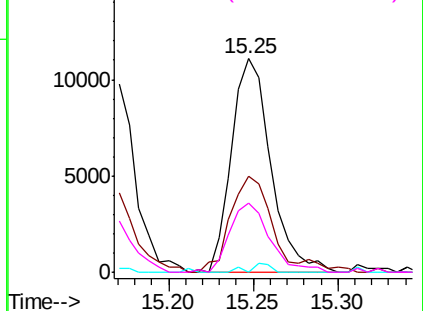


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 3.794 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

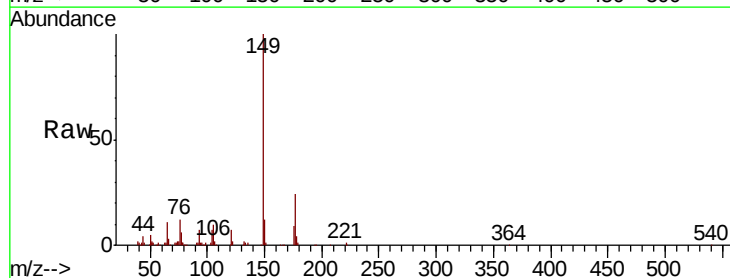
Tgt Ion:149 Resp: 88299

Ion Ratio Lower Upper

149 100

177 24.4 19.0 28.4

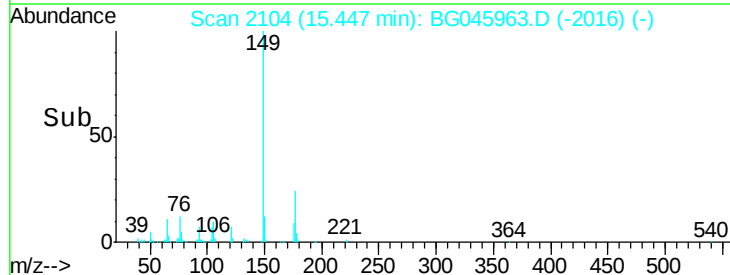
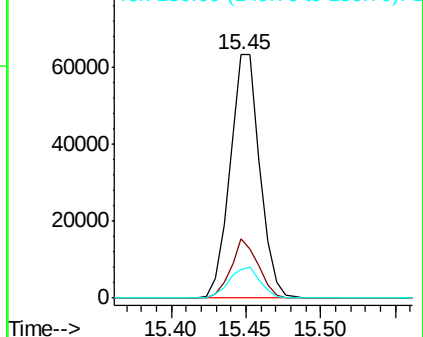
150 11.7 11.0 16.4

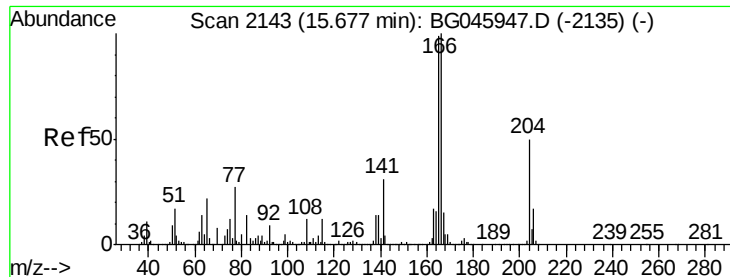


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

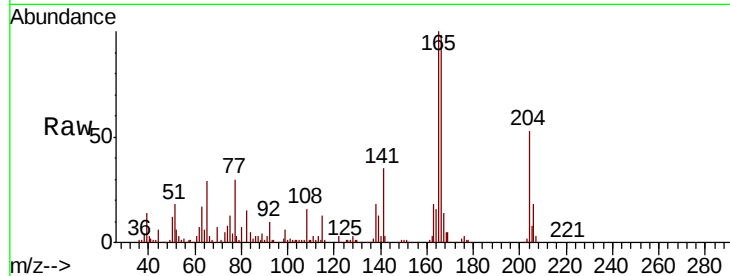




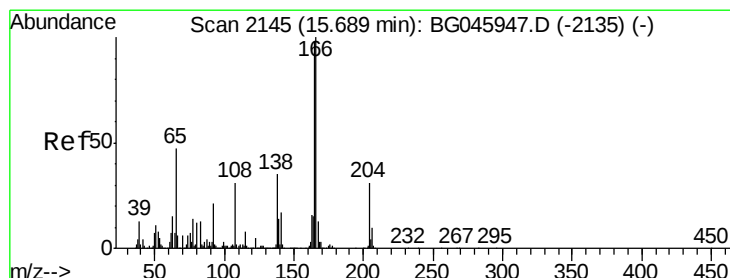
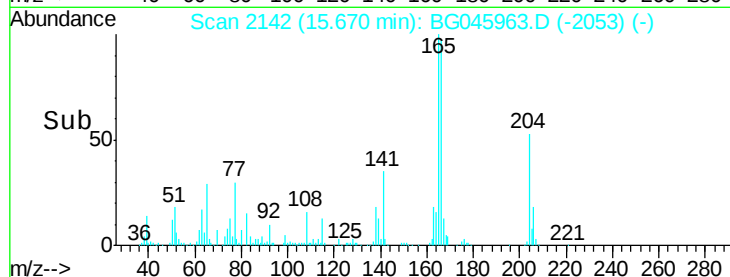
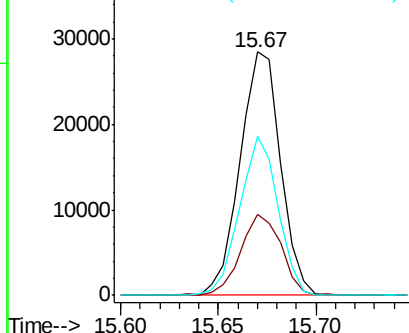
#61
4-Chlorophenyl-phenylether
Concen: 3.837 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion:204 Resp: 40993
Ion Ratio Lower Upper
204 100
206 33.3 27.1 40.7
141 65.4 49.8 74.8

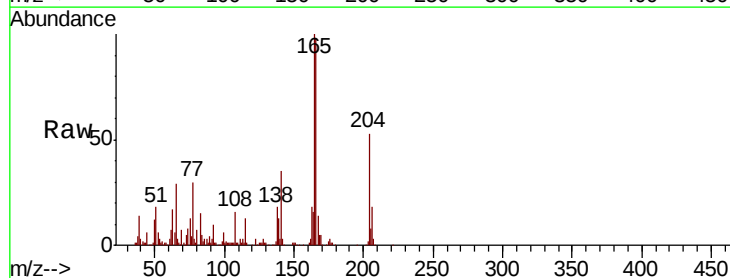


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

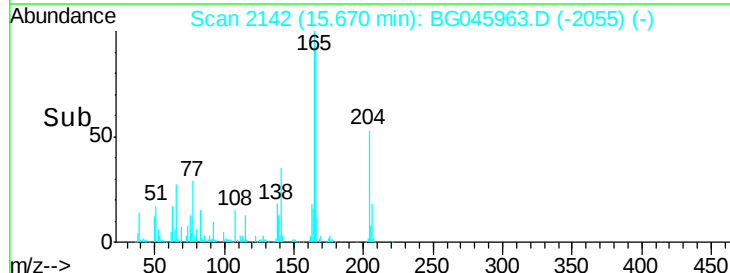
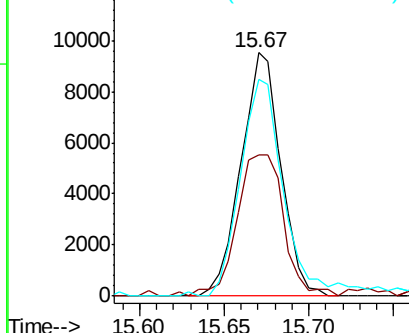


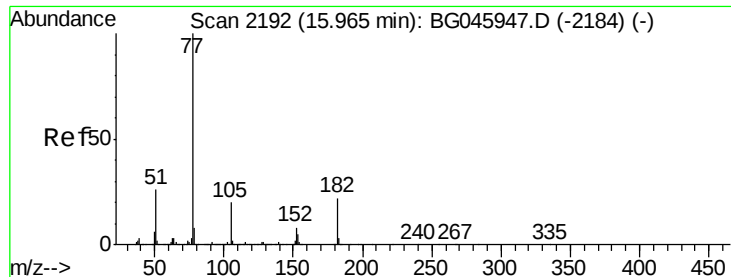
#62
4-Nitroaniline
Concen: 3.402 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:138 Resp: 15601
Ion Ratio Lower Upper
138 100
92 58.1 40.3 80.3
108 89.0 68.0 108.0



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG0
Ion 108.00 (107.70 to 108.70): E

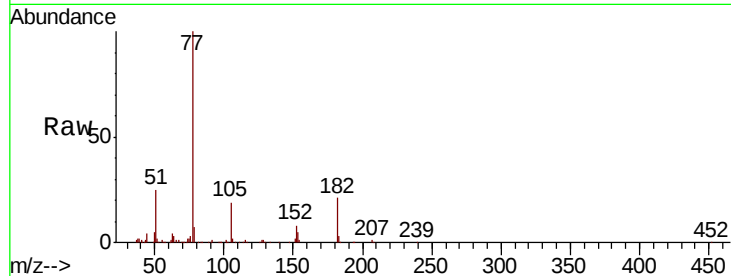




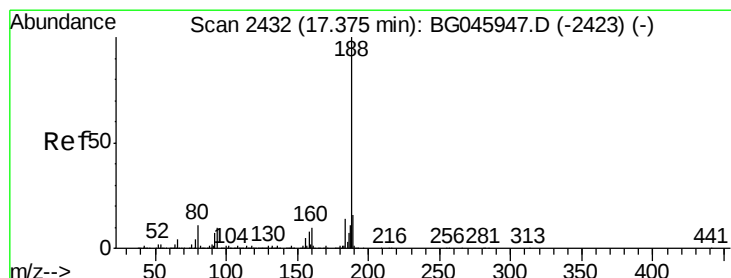
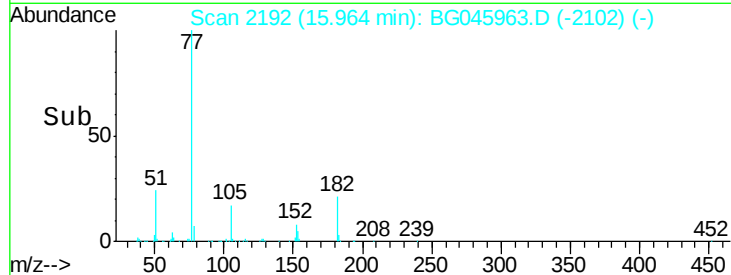
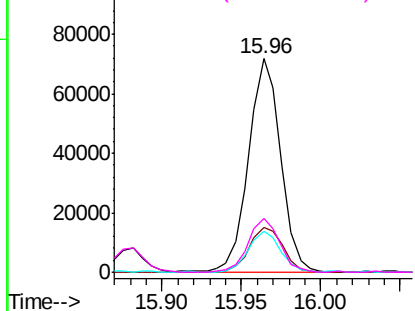
#63
Azobenzene
Concen: 4.012 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion:	77	Resp:	100213
Ion	Ratio	Lower	Upper
77	100		
182	21.0	2.4	42.4
105	19.2	0.3	40.3
51	24.9	6.3	46.3

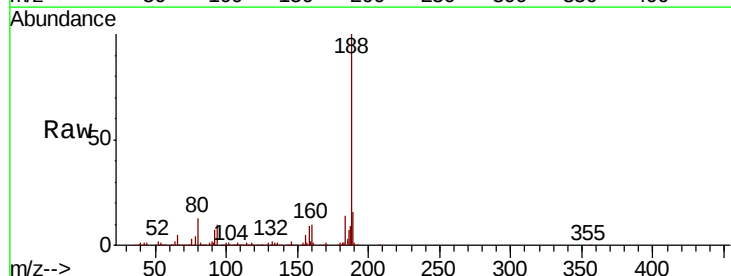


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

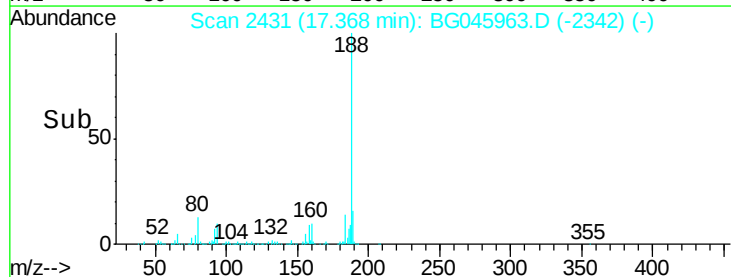
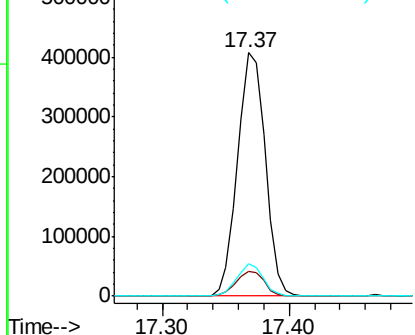


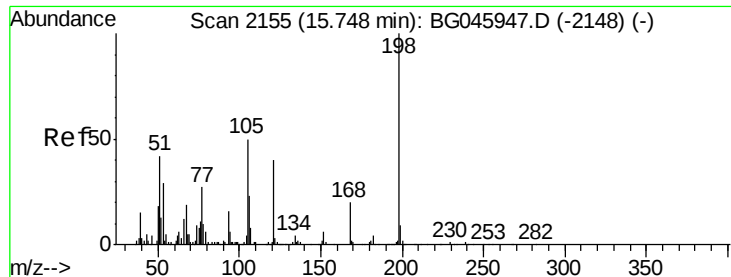
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:	188	Resp:	618362
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.4
80	13.3	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

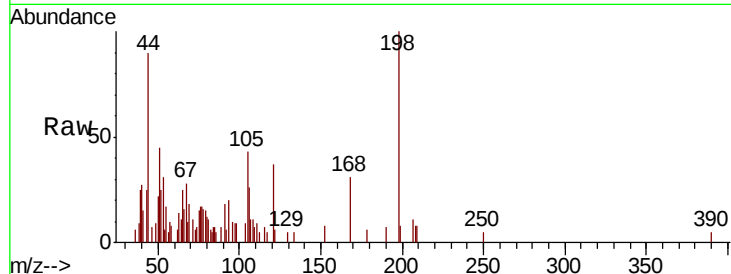




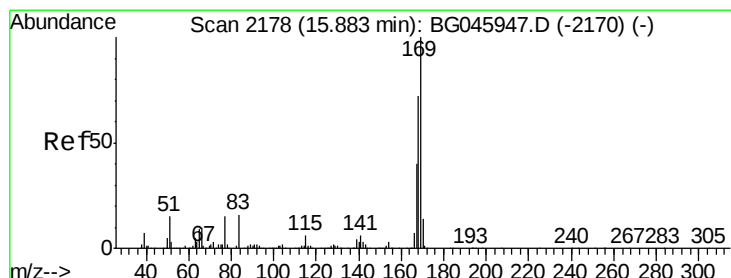
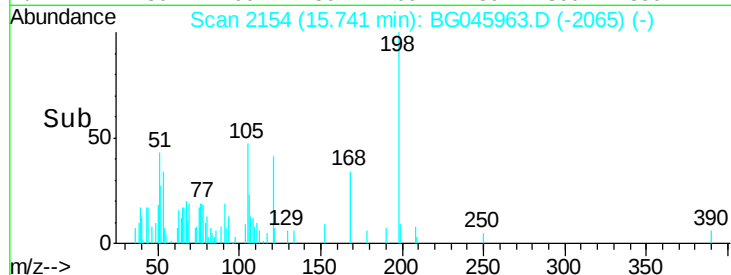
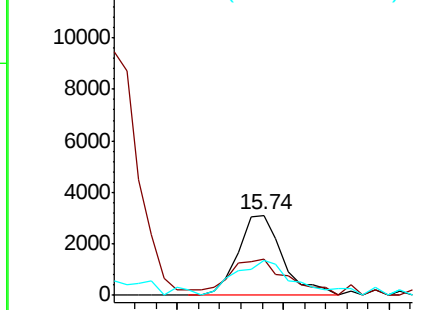
#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.487 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	44.6	24.5	64.5
105	43.1	30.9	70.9

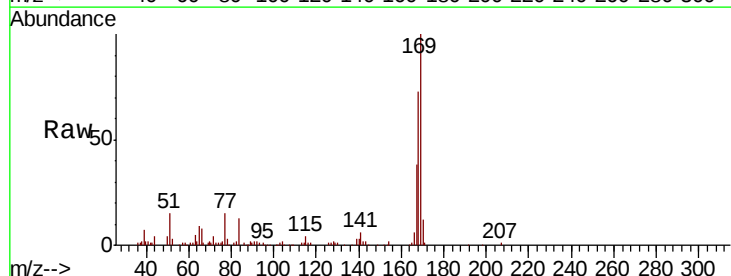


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

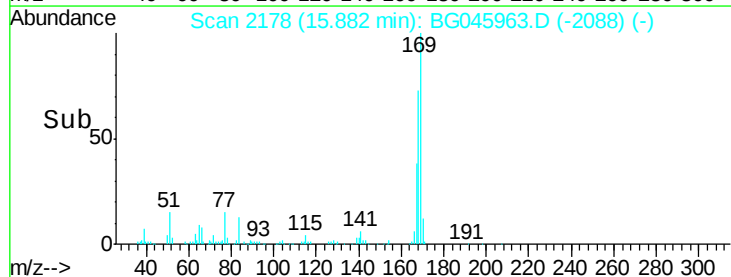
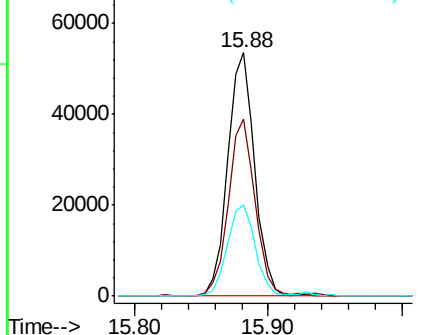


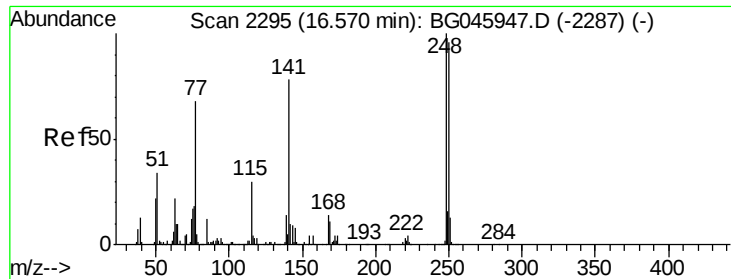
#66
 n-Nitrosodiphenylamine
 Concen: 3.945 ng
 RT: 15.88 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.8	57.3	85.9
167	37.7	32.1	48.1



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

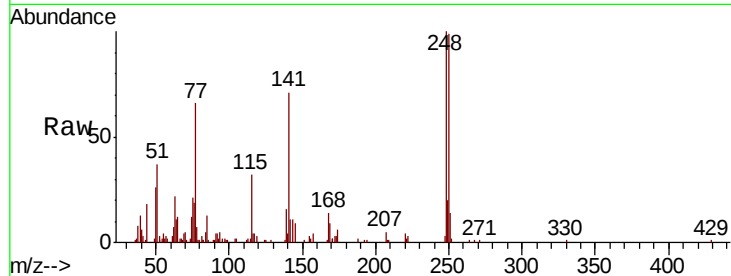




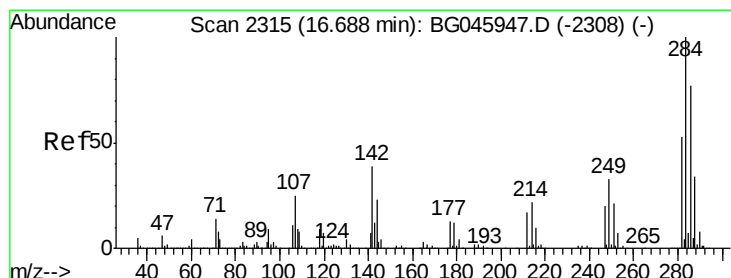
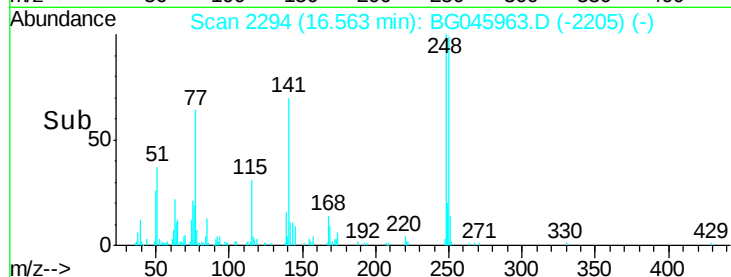
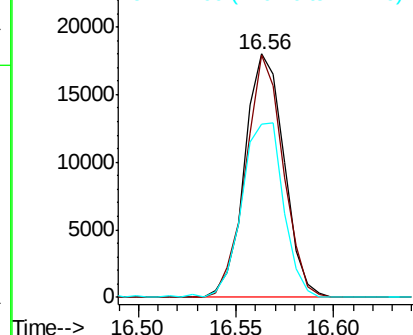
#67
4-Bromophenyl-phenylether
Concen: 3.640 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion:248 Resp: 25137
Ion Ratio Lower Upper
248 100
250 99.4 76.6 114.8
141 70.9 62.7 94.1

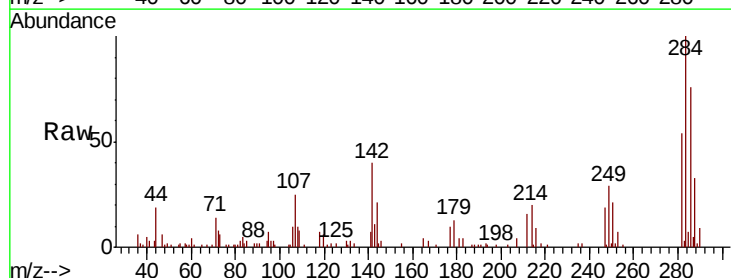


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

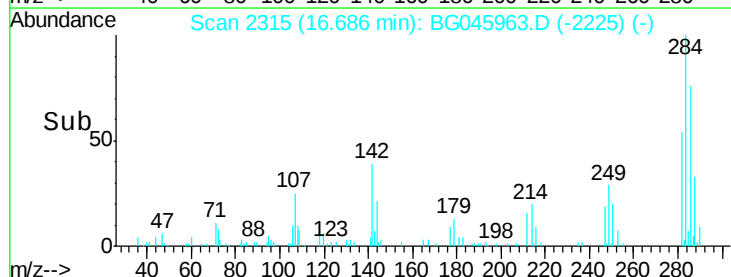
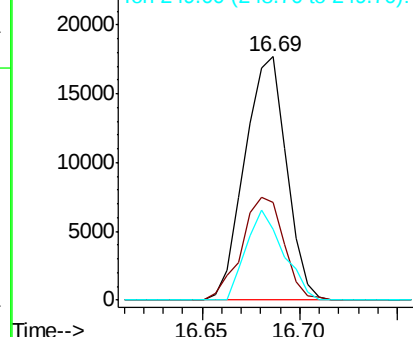


#68
Hexachlorobenzene
Concen: 3.786 ng
RT: 16.69 min Scan# 2315
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:284 Resp: 26237
Ion Ratio Lower Upper
284 100
142 40.3 31.3 46.9
249 28.8 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: 4.306 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

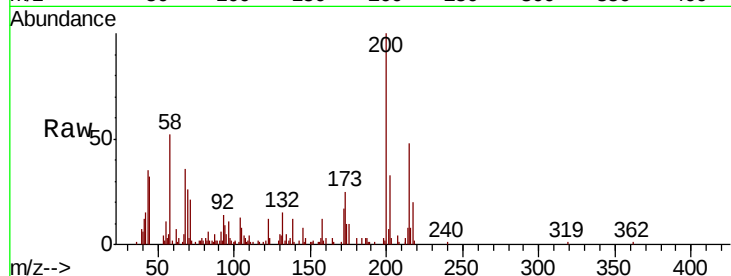
Tot Ion:200 Resp: 24394

Ion Ratio Lower Upper

200 100

173 25.3 9.1 49.1

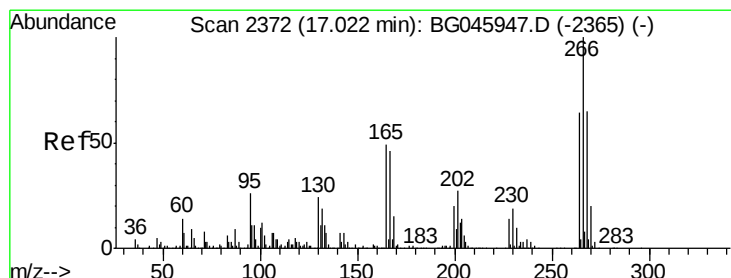
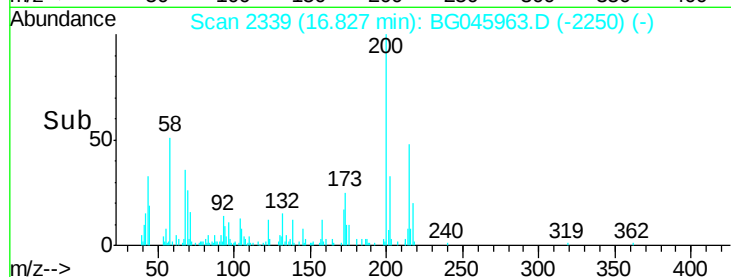
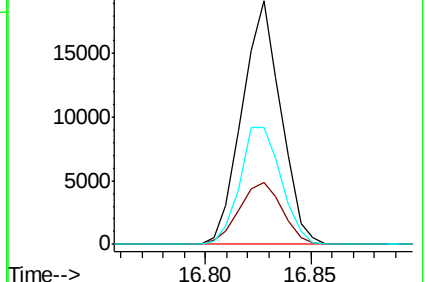
215 47.8 28.8 68.8



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: 3.121 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

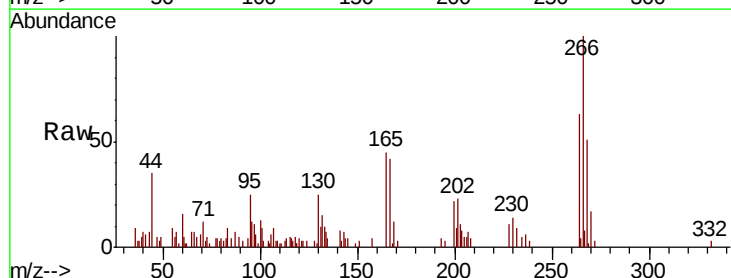
Tgt Ion:266 Resp: 12027

Ion Ratio Lower Upper

266 100

268 50.7 51.8 77.8#

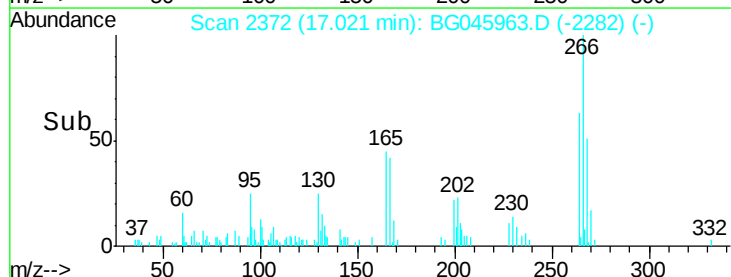
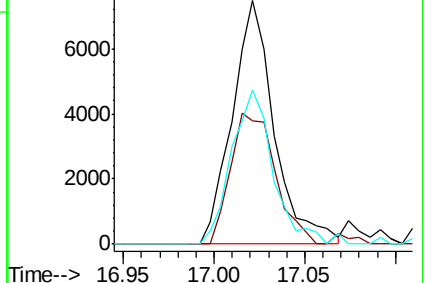
264 63.2 51.4 77.0

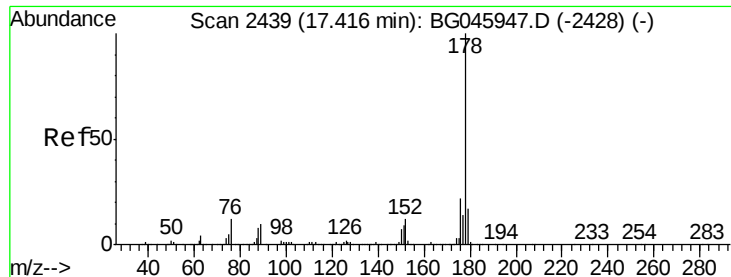


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

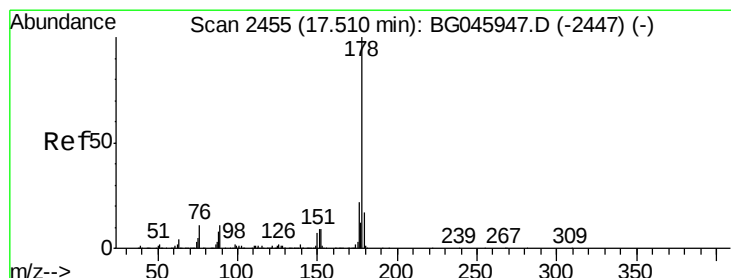
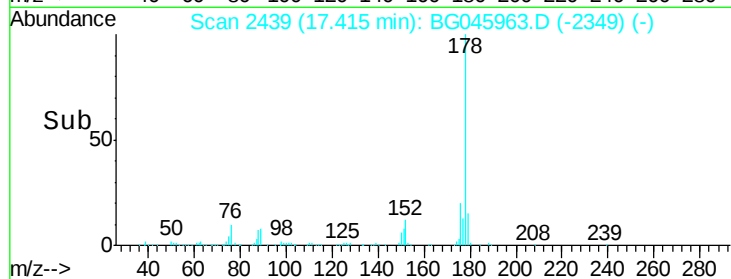
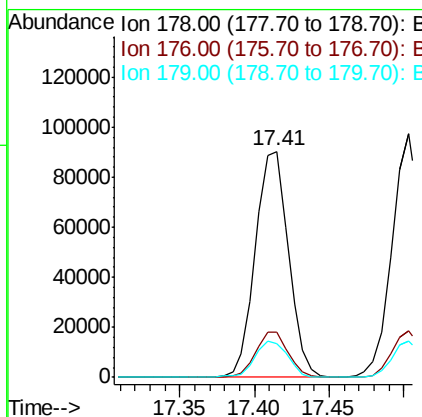
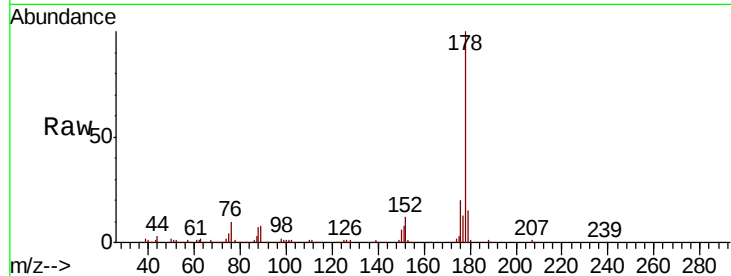




#71
Phenanthrene
Concen: 4.227 ng
RT: 17.41 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

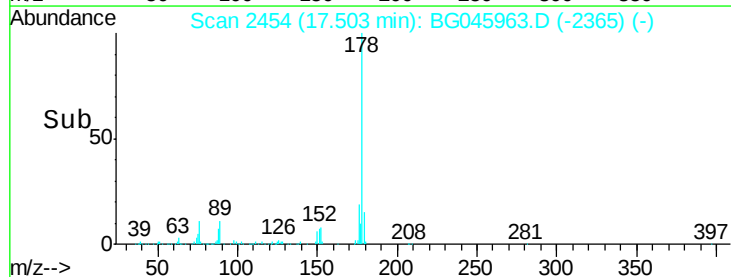
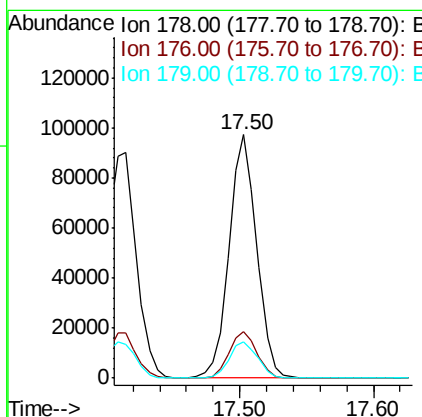
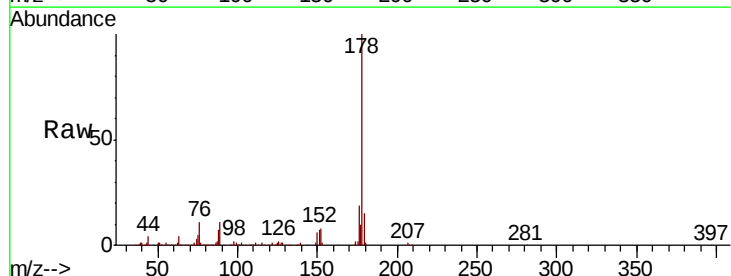
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

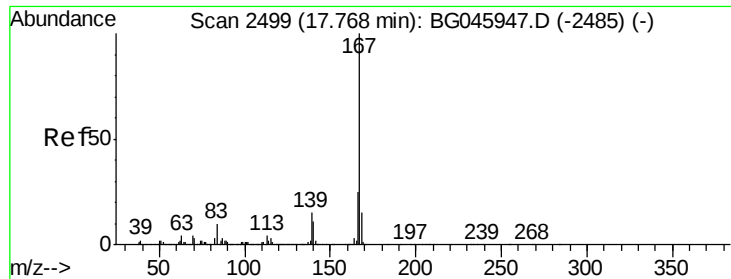
Tot Ion:178 Resp: 138190
Ion Ratio Lower Upper
178 100
176 20.2 17.4 26.2
179 15.0 13.4 20.2



#72
Anthracene
Concen: 4.220 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:178 Resp: 140014
Ion Ratio Lower Upper
178 100
176 18.9 17.2 25.8
179 14.9 14.0 21.0

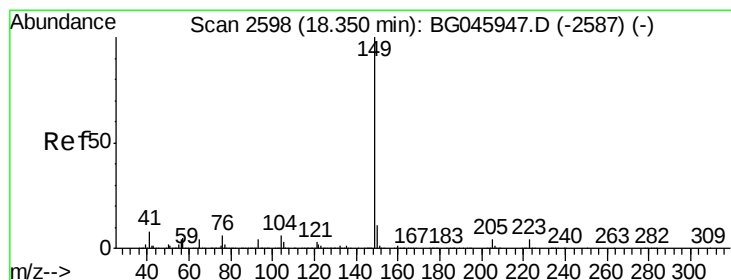
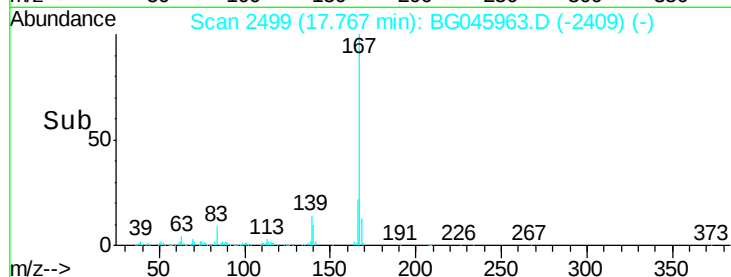
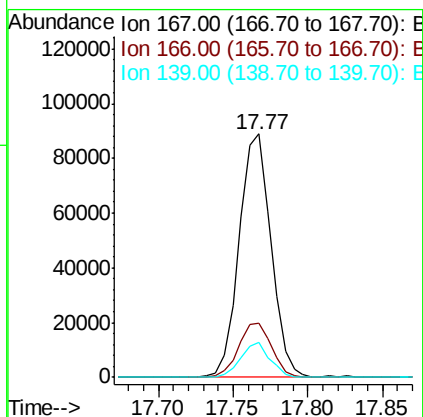
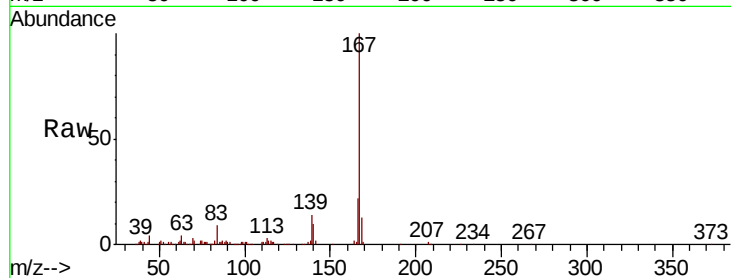




#73
 Carbazole
 Concen: 3.964 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

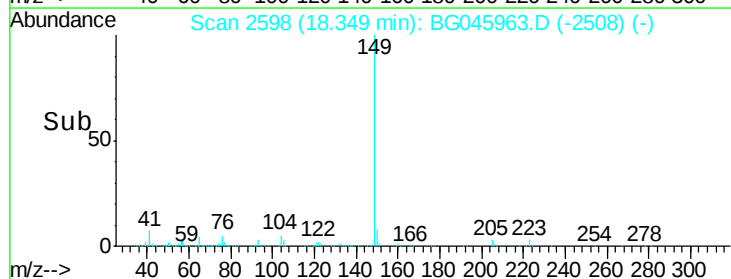
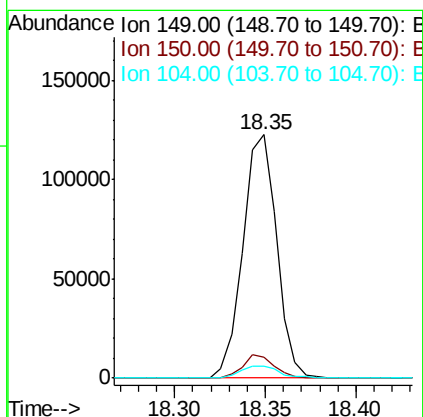
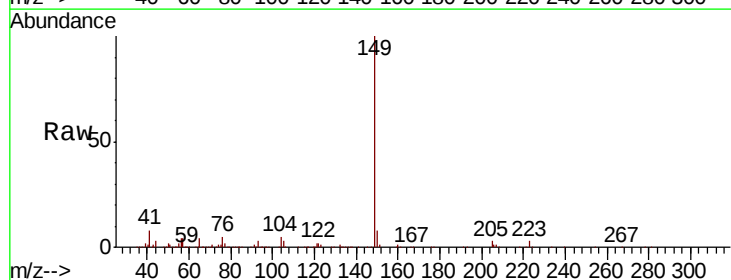
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

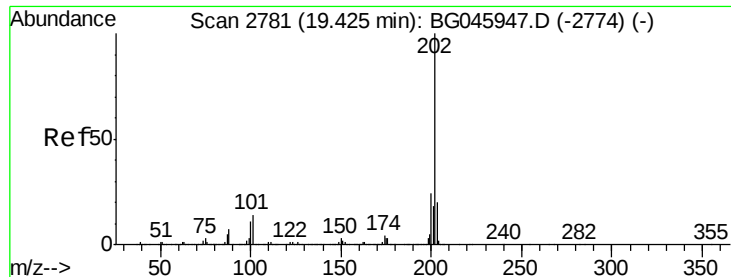
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	20.4	30.6
139	14.1	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 3.963 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

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





#75

Fluoranthene

Concen: 4.199 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

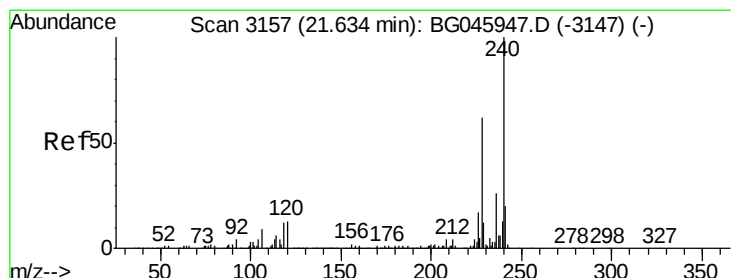
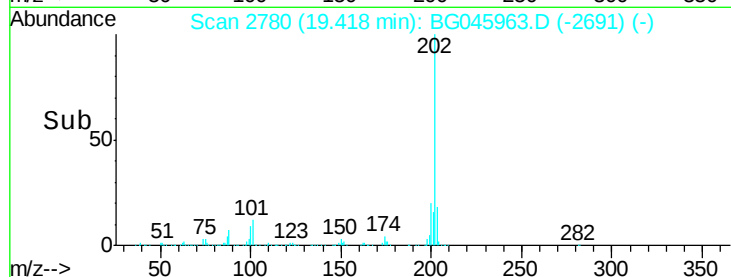
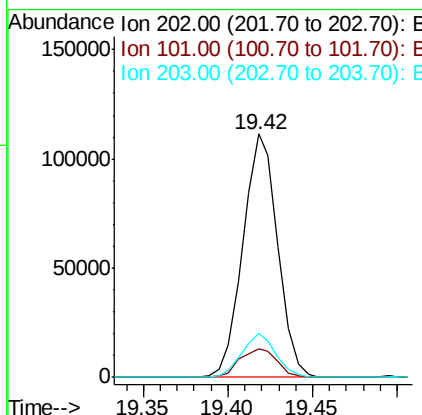
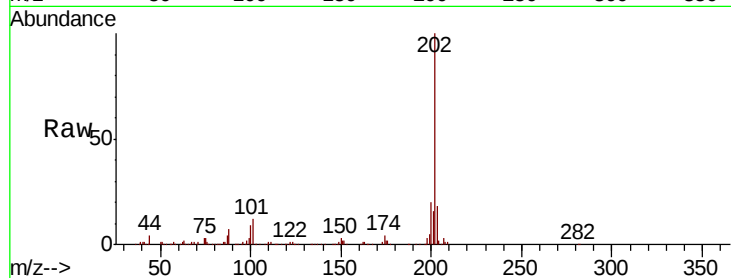
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	202	Resp:	158701
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	33.8
203	18.0	0.4	40.4



#76

Chrysene-d12

Concen: 20.000 ng

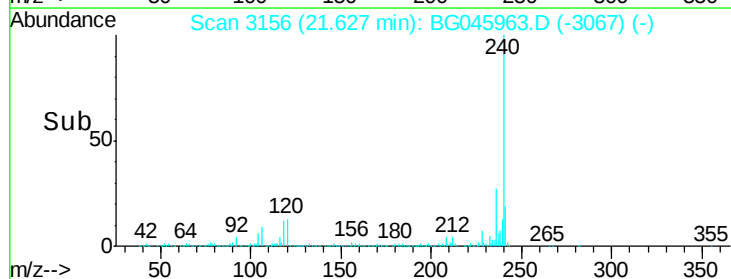
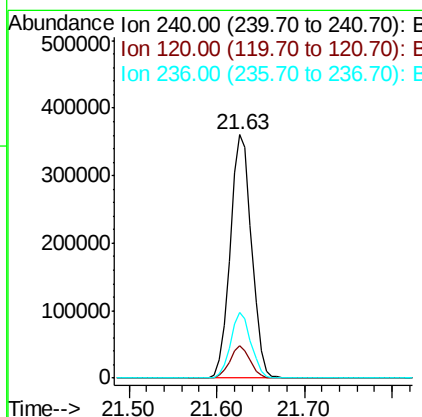
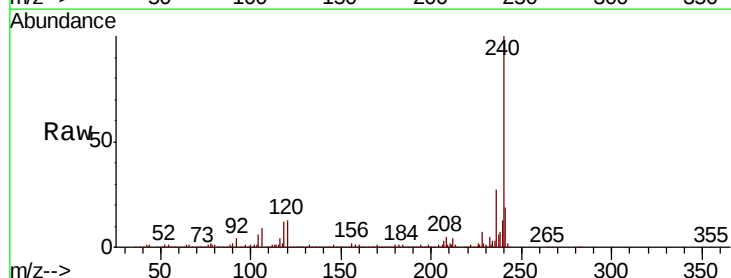
RT: 21.63 min Scan# 3156

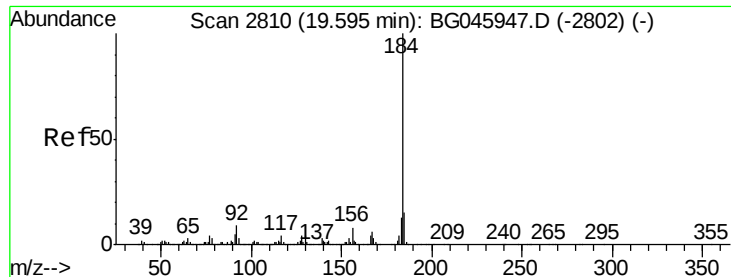
Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	240	Resp:	596047
Ion Ratio	Lower	Upper	
240	100		
120	13.1	10.6	16.0
236	27.0	20.4	30.6





#77

Benzidine

Concen: 4.273 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

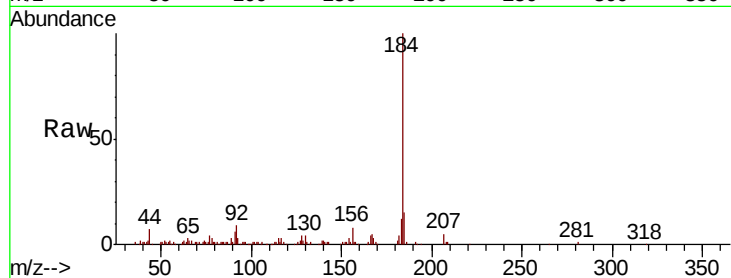
Tot Ion:184 Resp: 72824

Ion Ratio Lower Upper

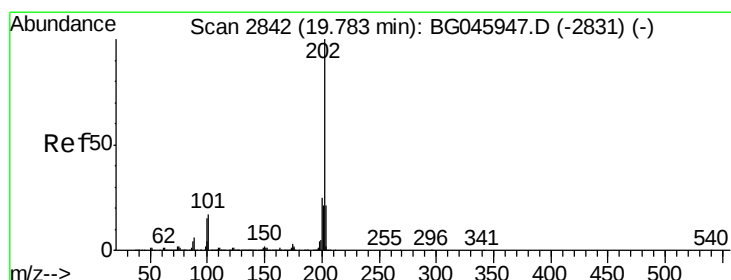
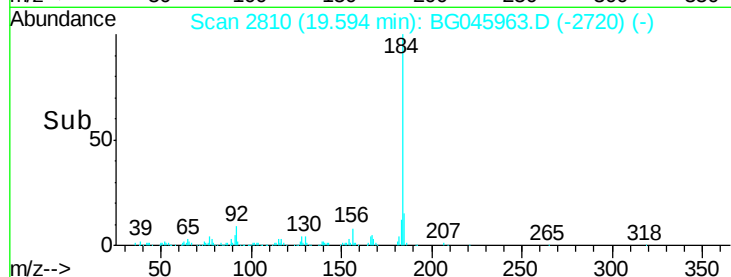
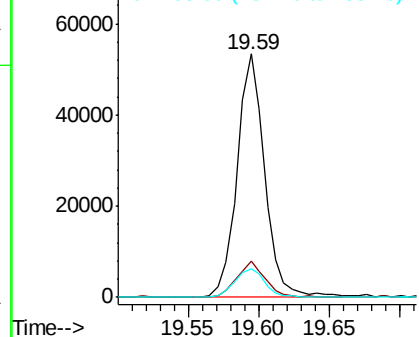
184 100

185 15.0 11.6 17.4

183 11.7 10.4 15.6



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



#78

Pyrene

Concen: 4.040 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

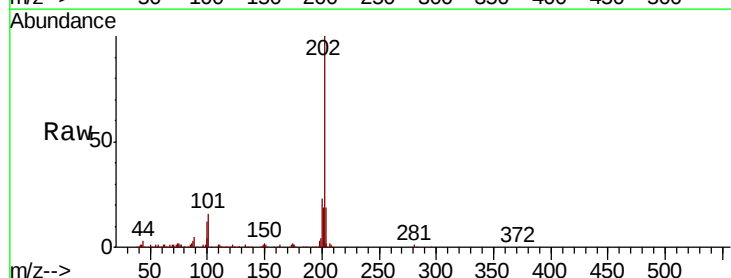
Tgt Ion:202 Resp: 164365

Ion Ratio Lower Upper

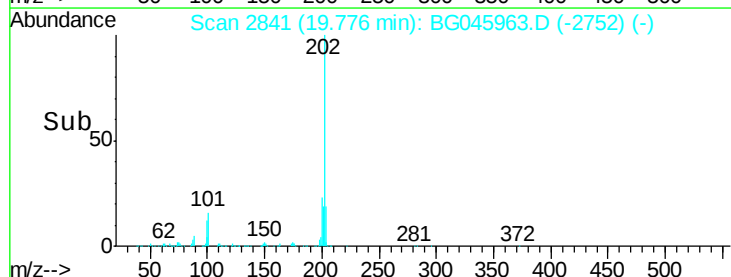
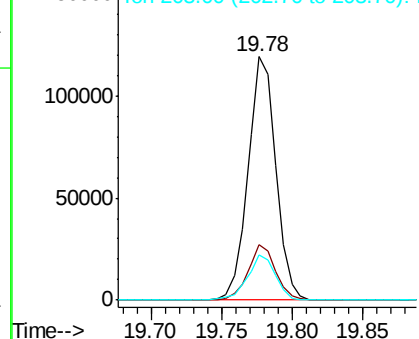
202 100

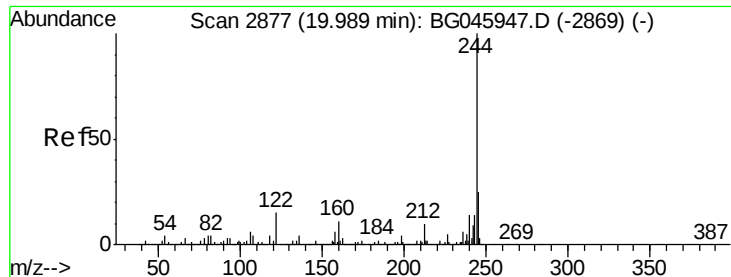
200 22.6 20.1 30.1

203 18.7 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: 110.259 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

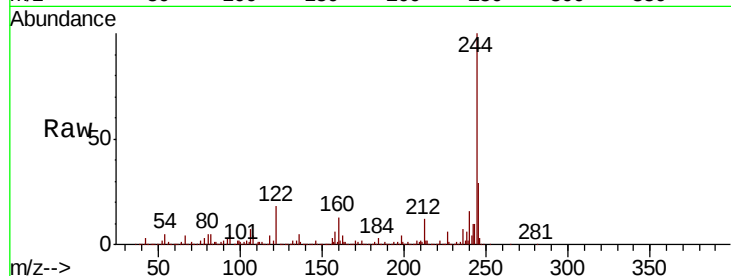
Tot Ion:244 Resp: 2953008

Ion Ratio Lower Upper

244 100

212 11.7 8.3 12.5

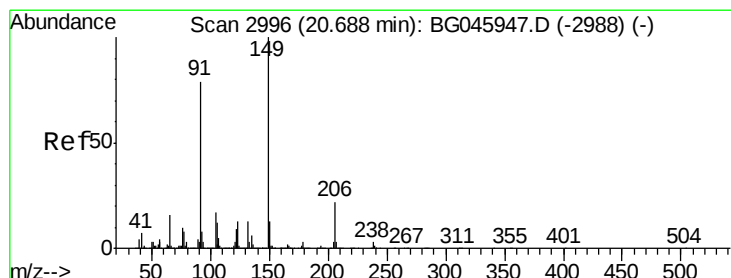
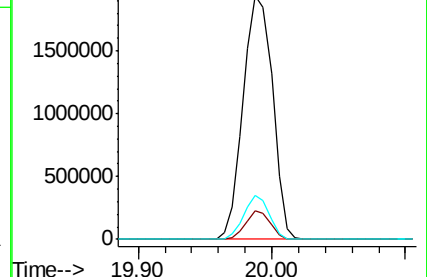
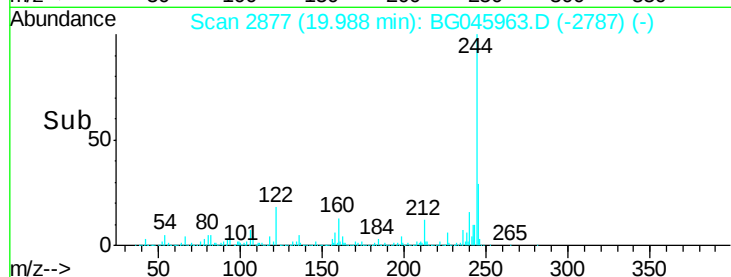
122 17.9 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.347 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

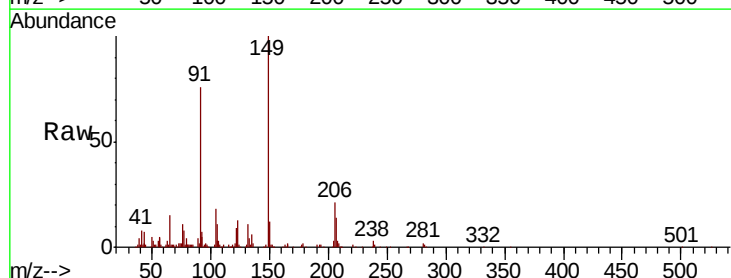
Tgt Ion:149 Resp: 64344

Ion Ratio Lower Upper

149 100

91 76.5 63.1 94.7

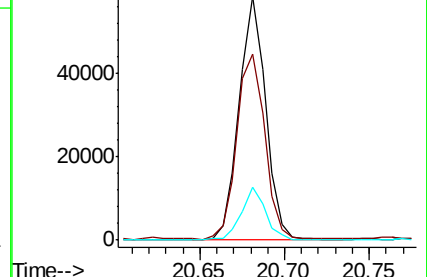
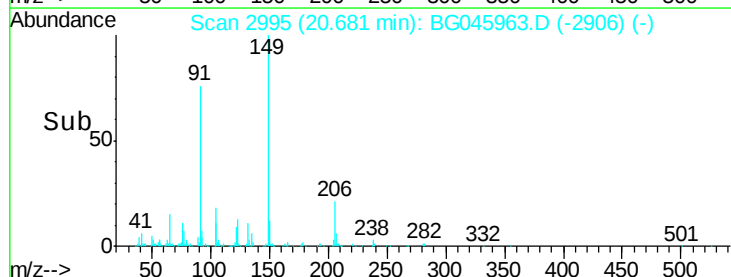
206 21.5 17.4 26.0

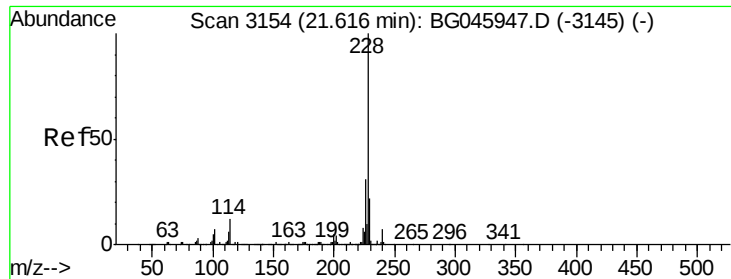


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 4.053 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

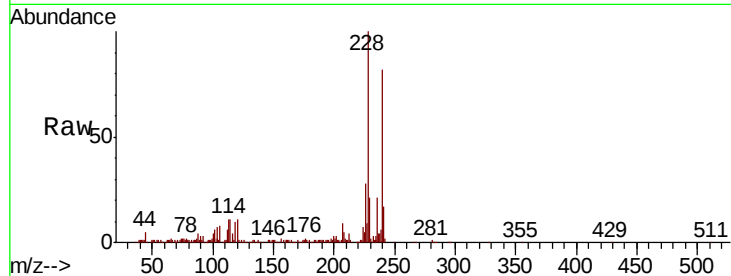
Tot Ion:228 Resp: 158865

Ion Ratio Lower Upper

228 100

226 28.0 24.8 37.2

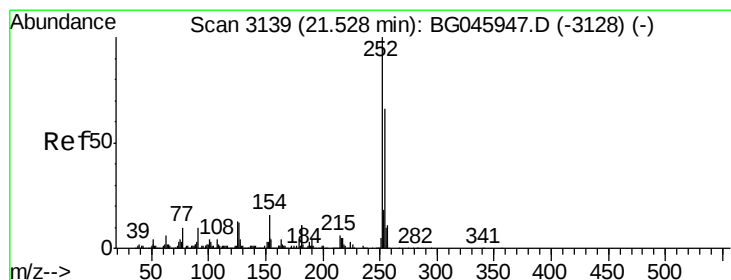
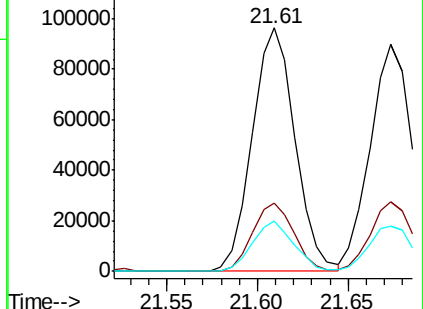
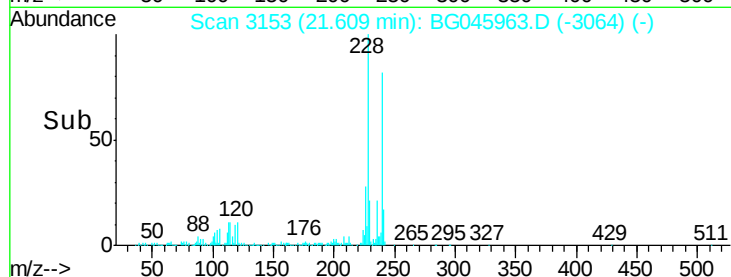
229 20.6 17.8 26.8



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: 3.813 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

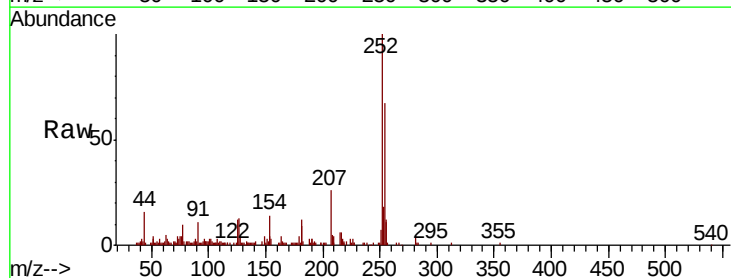
Tgt Ion:252 Resp: 55226

Ion Ratio Lower Upper

252 100

254 67.3 52.9 79.3

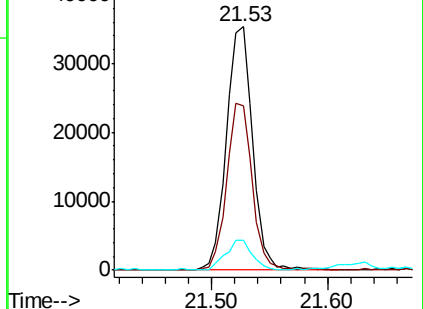
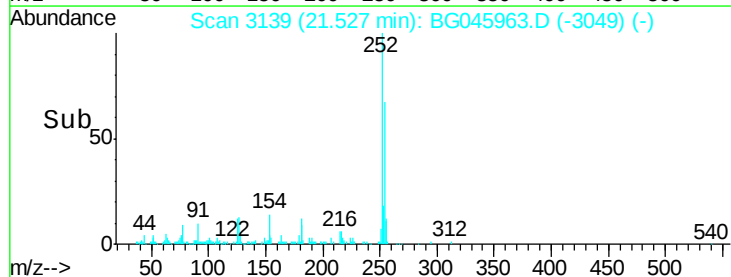
126 12.1 10.4 15.6



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: 3.852 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

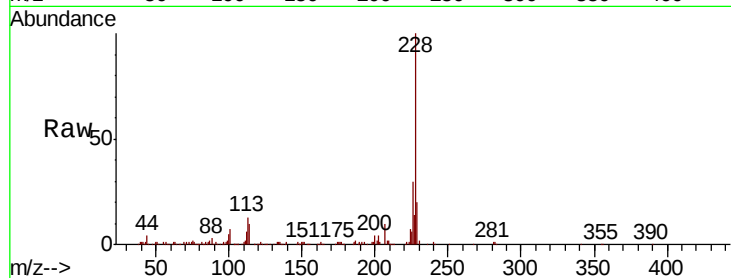
Tot Ion:228 Resp: 143808

Ion Ratio Lower Upper

228 100

226 30.4 26.7 40.1

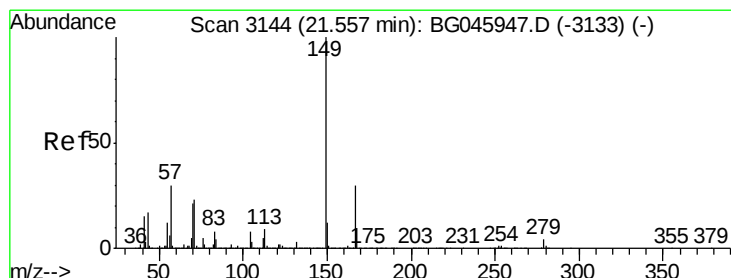
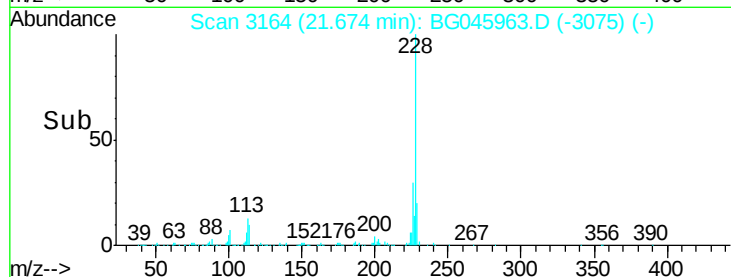
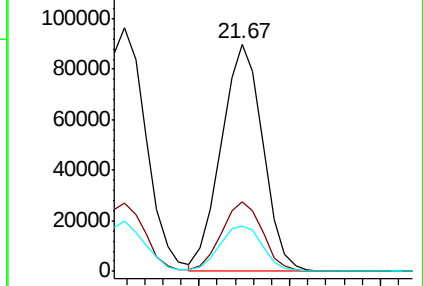
229 19.7 17.3 25.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.582 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

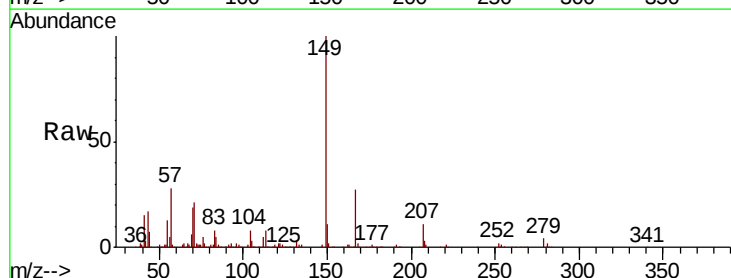
Tgt Ion:149 Resp: 99957

Ion Ratio Lower Upper

149 100

167 26.6 23.8 35.8

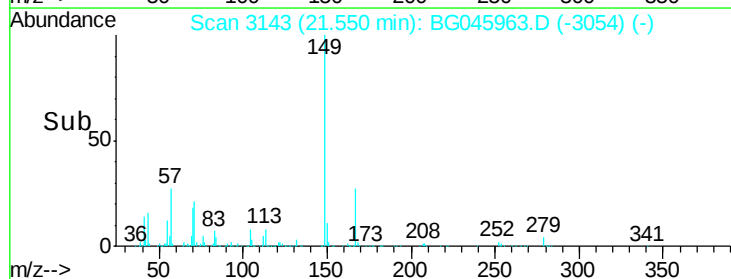
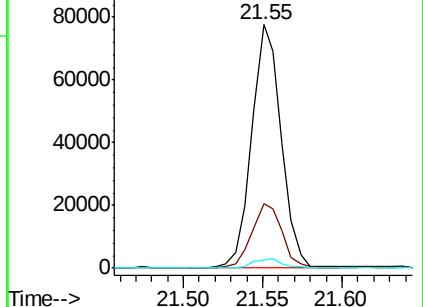
279 3.6 3.5 5.3

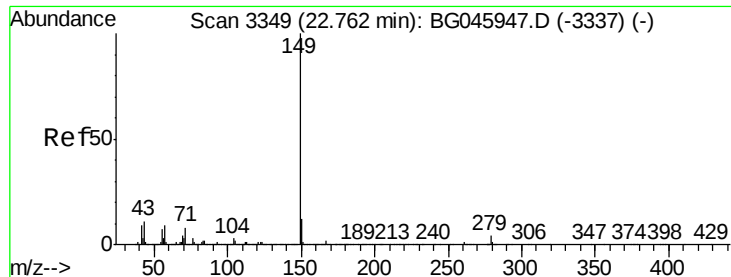


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 3.483 ng

RT: 22.75 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

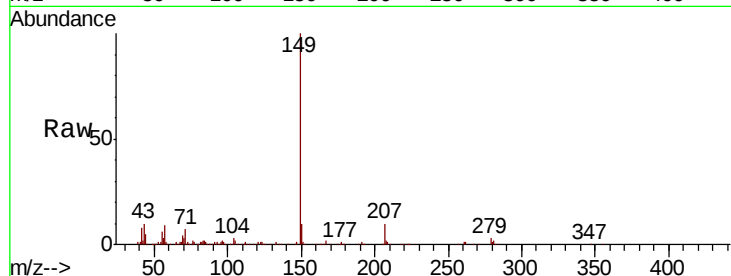
Tot Ion:149 Resp: 168690

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

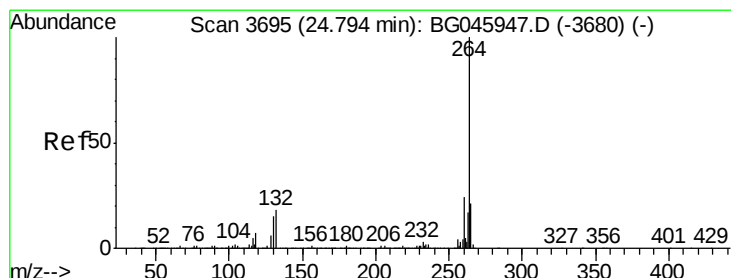
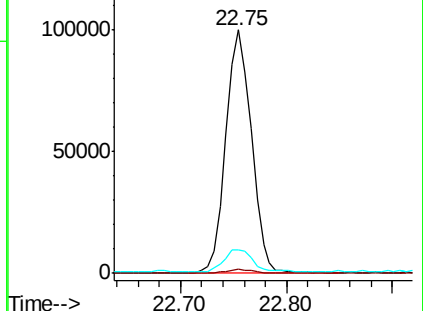
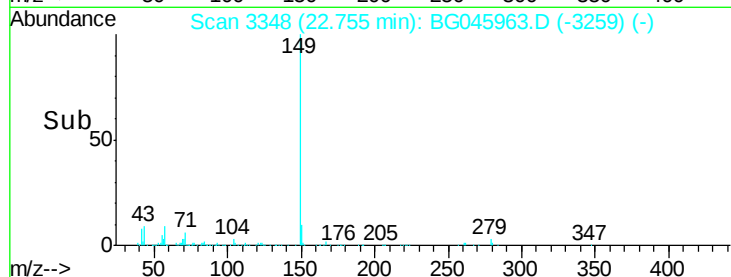
43 10.6 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

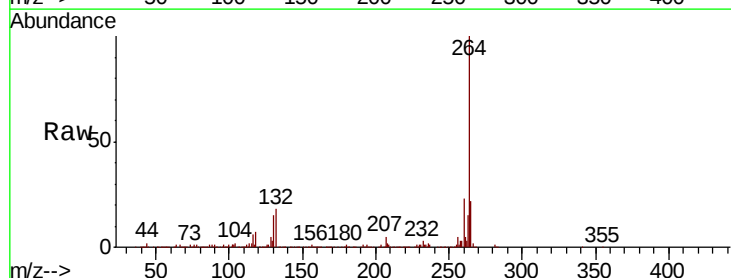
Tgt Ion:264 Resp: 601188

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

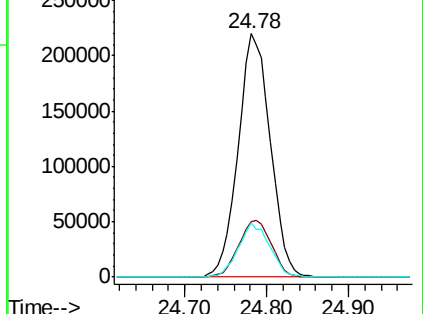
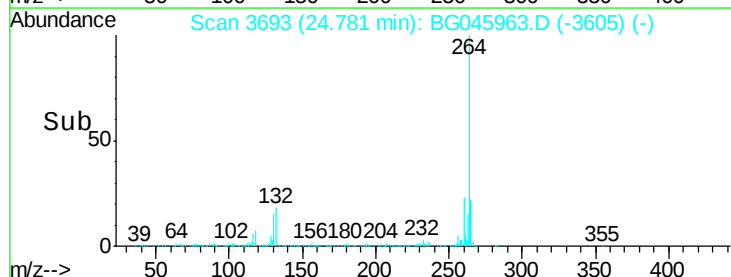
265 22.2 16.9 25.3

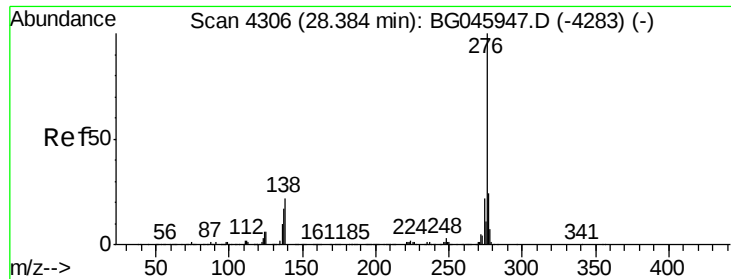


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

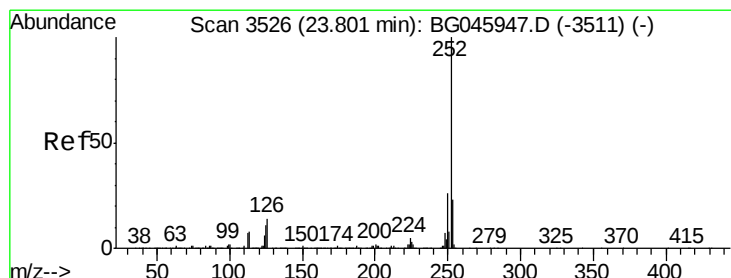
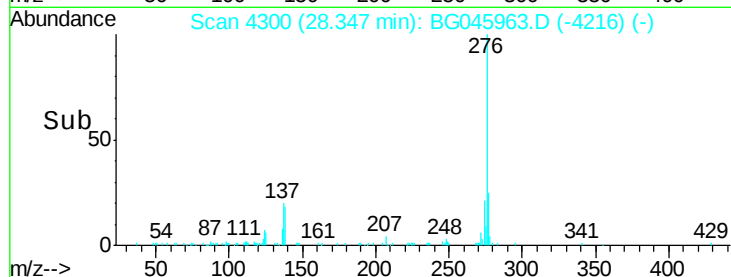
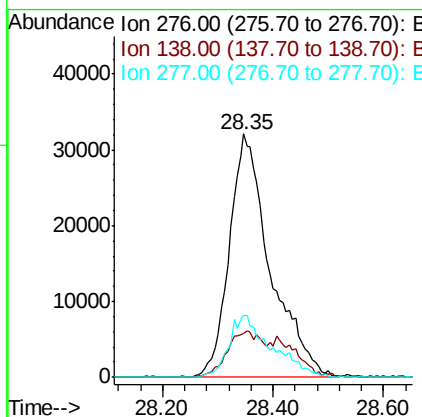
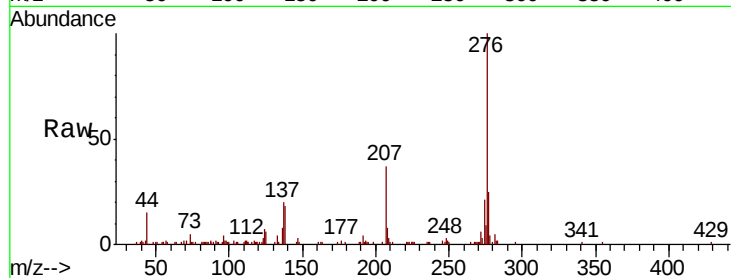




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.754 ng
 RT: 28.35 min Scan# 4300
 Delta R.T. -0.04 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

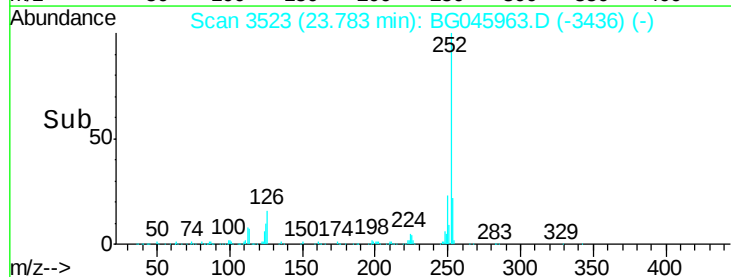
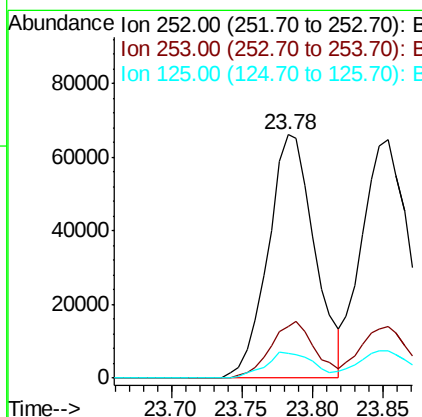
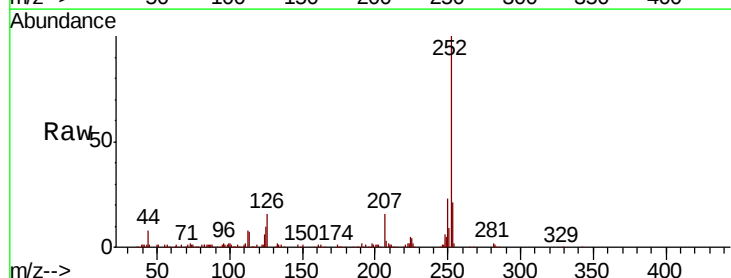
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

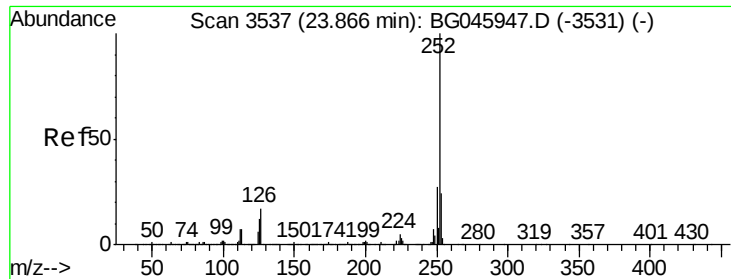
Tot Ion:276 Resp: 165120
 Ion Ratio Lower Upper
 276 100
 138 16.3 16.4 24.6#
 277 26.6 20.6 31.0



#88
 Benzo(b)fluoranthene
 Concen: 3.985 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion:252 Resp: 152071
 Ion Ratio Lower Upper
 252 100
 253 21.4 18.5 27.7
 125 10.1 9.2 13.8

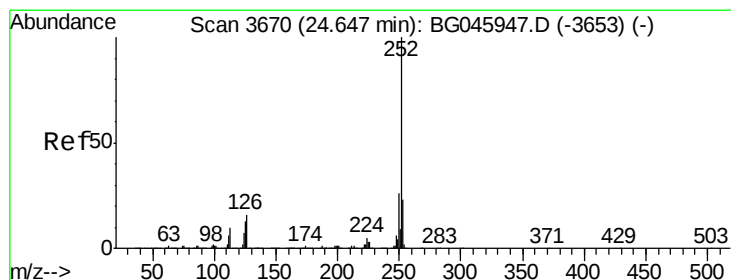
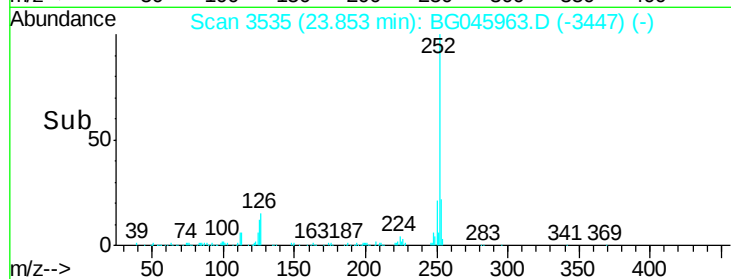
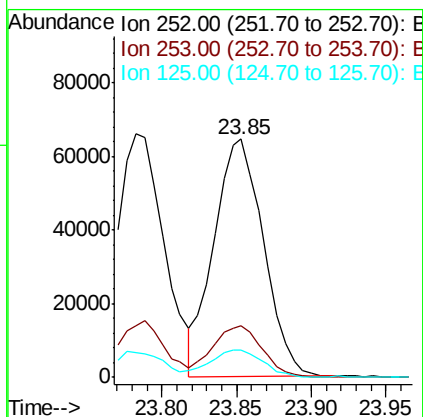
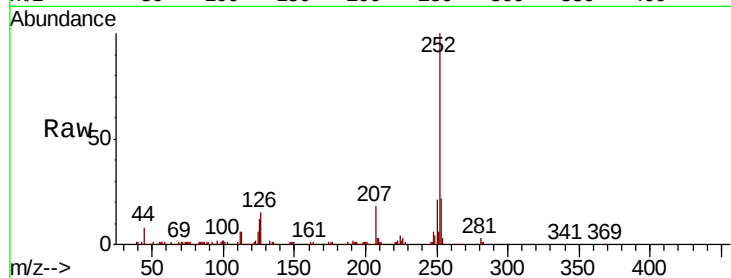




#89
Benzo(k)fluoranthene
Concen: 4.125 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

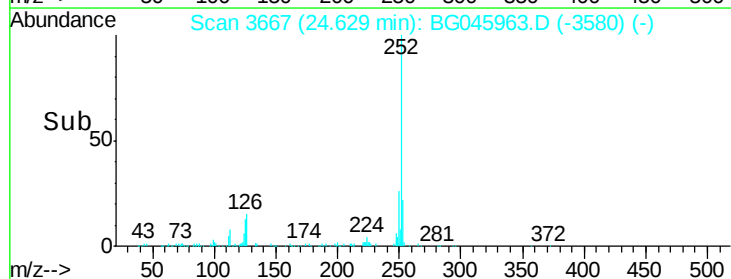
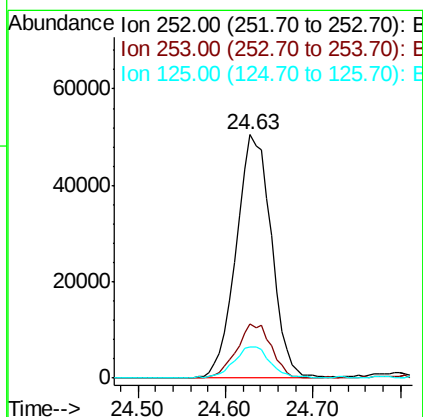
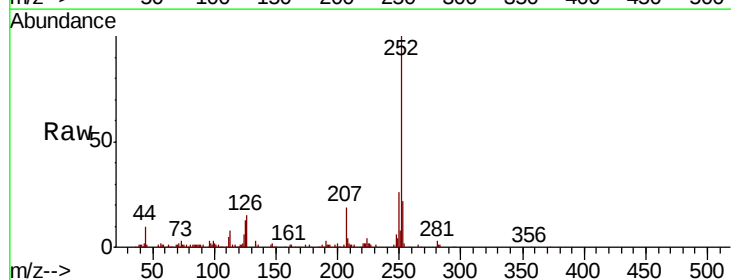
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

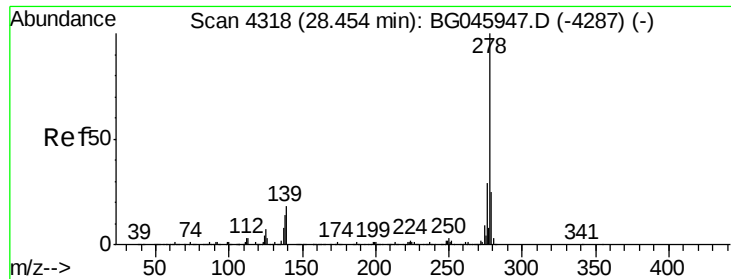
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.9	28.3
125	11.6	9.6	14.4



#90
Benzo(a)pyrene
Concen: 3.837 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	12.7	10.5	15.7

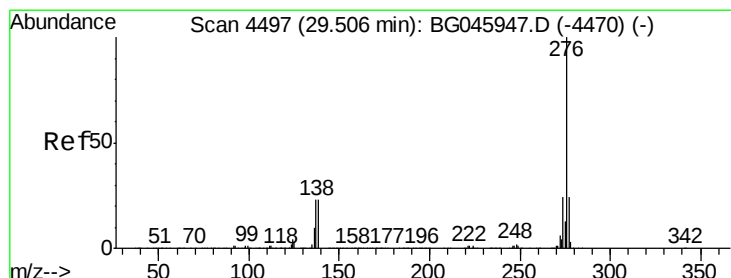
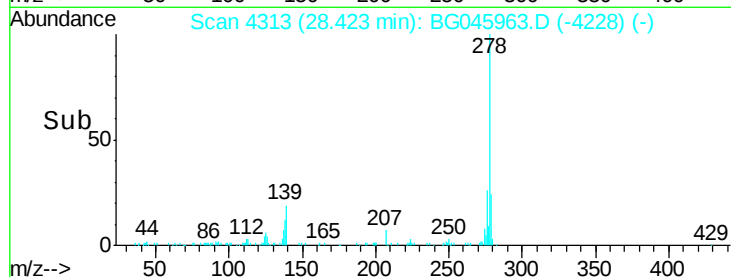
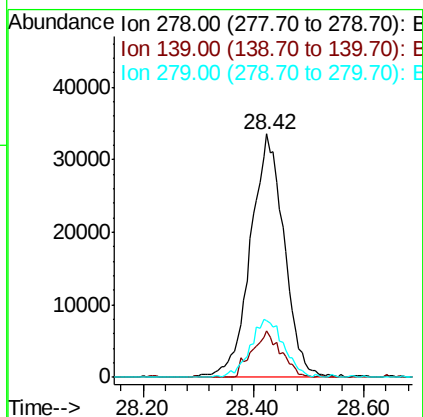
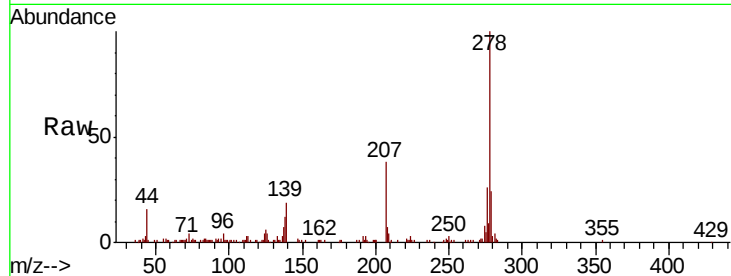




#91
Dibenzo(a,h)anthracene
Concen: 3.979 ng
RT: 28.42 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

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

Tot Ion:278 Resp: 141134
Ion Ratio Lower Upper
278 100
139 19.1 14.3 21.5
279 23.5 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 3.942 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.05 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:276 Resp: 140730
Ion Ratio Lower Upper
276 100
277 21.8 19.4 29.0
138 21.3 18.6 28.0

