

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045965.D
 Acq On : 7 Jul 2020 18:40
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 08 04:12:18 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	119752	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	481530	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	286946	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	590470	20.00	ng	0.00
76) Chrysene-d12	21.63	240	559376	20.00	ng	0.00
86) Perylene-d12	24.78	264	564297	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1178483	159.59	ng	0.00
7) Phenol-d6	7.16	99	1649835	155.18	ng	0.00
23) Nitrobenzene-d5	9.16	82	1336854	159.80	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	469183	176.18	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2474466	134.51	ng	0.00
79) Terphenyl-d14	19.99	244	2930888	116.61	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	33346	9.788	ng	96
3) Pyridine	3.90	79	71536	6.944	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	29297	8.411	ng	# 90
6) Aniline	7.33	93	110055	8.092	ng	97
8) 2-Chlorophenol	7.57	128	62265	7.833	ng	93
9) Benzaldehyde	7.14	77	75145	11.156	ng	99
10) Phenol	7.19	94	84997	7.970	ng	96
11) bis(2-Chloroethyl)ether	7.43	93	67294	7.631	ng	99
12) 1,3-Dichlorobenzene	7.90	146	69632	7.600	ng	94
13) 1,4-Dichlorobenzene	8.04	146	71765	7.962	ng	95
14) 1,2-Dichlorobenzene	8.36	146	66730	7.692	ng	97
15) Benzyl Alcohol	8.23	79	64610	7.751	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.53	45	86521	7.520	ng	97
17) 2-Methylphenol	8.44	107	56040	7.003	ng	94
18) Hexachloroethane	9.10	117	26961	7.774	ng	96
19) n-Nitroso-di-n-propylamine	8.81	70	59205	7.927	ng	95
20) 3+4-Methylphenols	8.76	107	77945	7.147	ng	91
22) Acetophenone	8.82	105	106626	8.289	ng	# 95
24) Nitrobenzene	9.20	77	83237	9.014	ng	94
25) Isophorone	9.73	82	157977	7.735	ng	# 98
26) 2-Nitrophenol	9.91	139	22849	7.592	ng	92
27) 2,4-Dimethylphenol	9.97	122	58048	7.985	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	92397	8.057	ng	96
29) 2,4-Dichlorophenol	10.45	162	55333	7.353	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	64381	7.721	ng	99
31) Naphthalene	10.85	128	208744	8.086	ng	99
32) Benzoic acid	10.03	122	15875	4.033	ng	96
33) 4-Chloroaniline	10.95	127	88905	7.707	ng	97
34) Hexachlorobutadiene	11.15	225	34606	7.108	ng	96
35) Caprolactam	11.69	113	20873	7.305	ng	90
36) 4-Chloro-3-methylphenol	12.07	107	65322	7.621	ng	98
37) 2-Methylnaphthalene	12.46	142	148220	8.077	ng	99
38) 1-Methylnaphthalene	12.68	142	139040	8.029	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	68270	8.440	ng	99

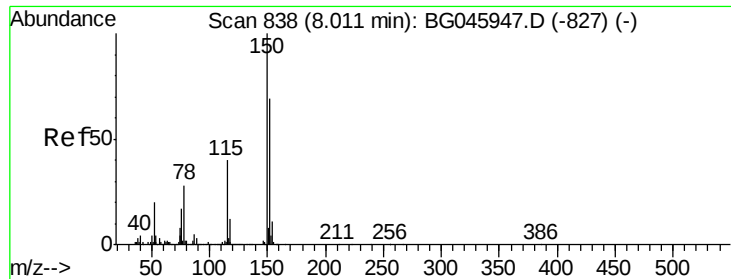
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	38075	7.933	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	40272	7.362	ng	98
44) 2,4,5-Trichlorophenol	13.13	196	44735	7.233	ng	97
46) 1,1'-Biphenyl	13.47	154	192161	8.902	ng	97
47) 2-Chloronaphthalene	13.51	162	133507	7.839	ng	97
48) 2-Nitroaniline	13.69	65	33197	8.328	ng	95
49) Acenaphthylene	14.35	152	230678	8.395	ng	96
50) Dimethylphthalate	14.08	163	167420	7.774	ng	98
51) 2,6-Dinitrotoluene	14.19	165	26268	7.861	ng	94
52) Acenaphthene	14.69	154	138757	8.006	ng	98
53) 3-Nitroaniline	14.51	138	30669	7.407	ng	88
54) 2,4-Dinitrophenol	14.72	184	6214	5.272	ng	# 56
55) Dibenzofuran	15.02	168	209942	8.263	ng	97
56) 4-Nitrophenol	14.81	139	24531	6.992	ng	95
57) 2,4-Dinitrotoluene	14.97	165	31610	7.656	ng	92
58) Fluorene	15.68	166	169712	8.143	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.17	232	34486	7.221	ng	98
60) Diethylphthalate	15.45	149	180835	8.007	ng	95
61) 4-Chlorophenyl-phenylether	15.67	204	79443	7.661	ng	98
62) 4-Nitroaniline	15.67	138	34171	7.678	ng	92
63) Azobenzene	15.96	77	202159	8.340	ng	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	10638	6.151	ng	85
66) n-Nitrosodiphenylamine	15.88	169	147190	8.044	ng	98
67) 4-Bromophenyl-phenylether	16.56	248	48026	7.282	ng	98
68) Hexachlorobenzene	16.68	284	52923	7.997	ng	97
69) Atrazine	16.83	200	51608	9.540	ng	96
70) Pentachlorophenol	17.02	266	24876	6.761	ng	97
71) Phenanthrene	17.41	178	264414	8.470	ng	96
72) Anthracene	17.50	178	274710	8.672	ng	94
73) Carbazole	17.77	167	255936	8.060	ng	95
74) Di-n-butylphthalate	18.35	149	315531	8.223	ng	# 93
75) Fluoranthene	19.42	202	310002	8.590	ng	95
77) Benzidine	19.59	184	161387	10.090	ng	98
78) Pyrene	19.78	202	315563	8.264	ng	95
80) Butylbenzylphthalate	20.68	149	130674	7.242	ng	97
81) Benzo(a)anthracene	21.61	228	292118	7.942	ng	95
82) 3,3'-Dichlorobenzidine	21.52	252	112020	8.242	ng	97
83) Chrysene	21.67	228	280712	8.011	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	198419	7.576	ng	# 93
85) Di-n-octyl phthalate	22.75	149	331134	7.285	ng	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	327177	7.925	ng	96
88) Benzo(b)fluoranthene	23.79	252	286993	8.012	ng	98
89) Benzo(k)fluoranthene	23.85	252	288318	8.512	ng	99
90) Benzo(a)pyrene	24.63	252	265695	7.888	ng	97
91) Dibenzo(a,h)anthracene	28.42	278	269385	8.090	ng	98
92) Benzo(g,h,i)perylene	29.47	276	270021	8.058	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG045965.D

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LOD-MDL-SOIL-01-QT3-2020

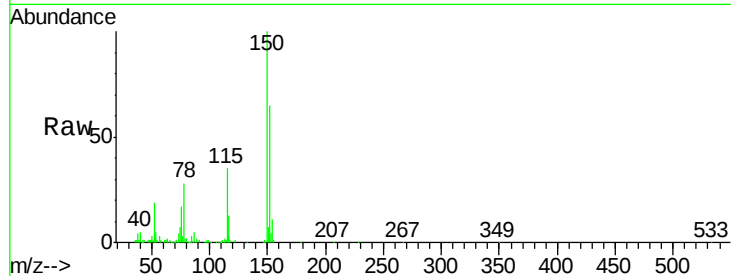
Tot Ion:152 Resp: 119752

Ion Ratio Lower Upper

152 100

150 152.7 116.7 175.1

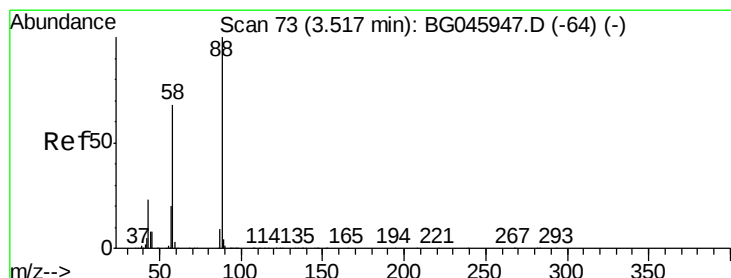
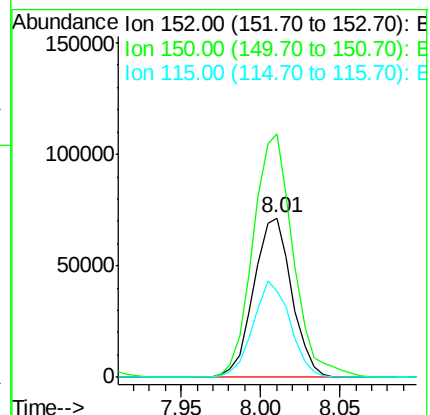
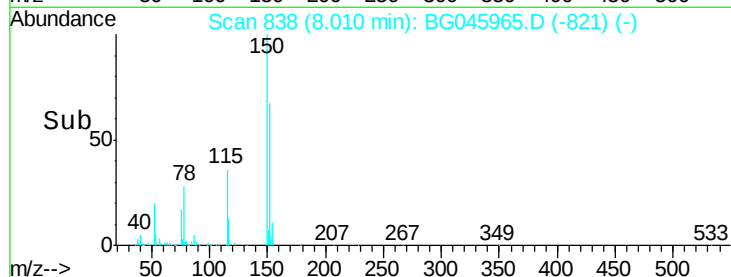
115 54.0 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 9.788 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

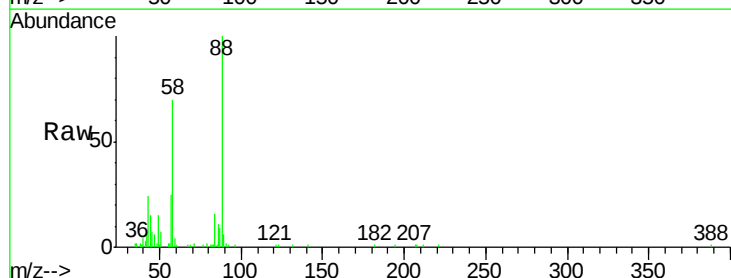
Tgt Ion: 88 Resp: 33346

Ion Ratio Lower Upper

88 100

58 65.5 55.2 82.8

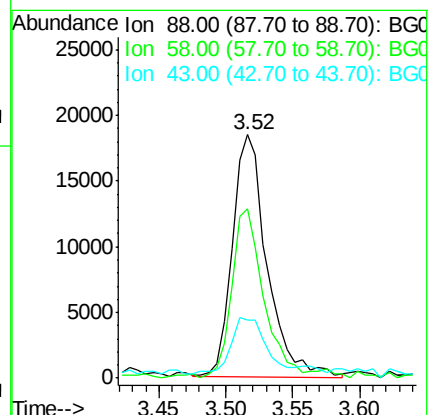
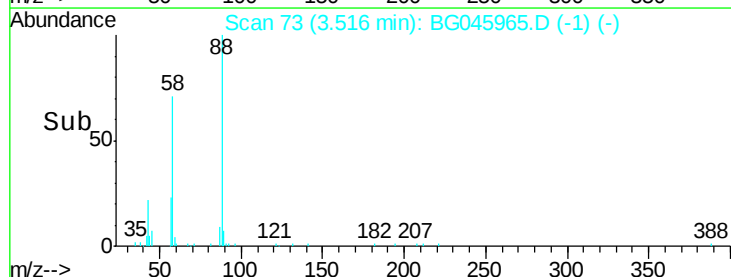
43 23.3 19.4 29.0

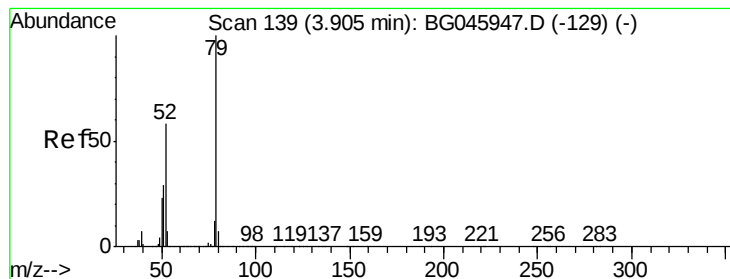


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 6.944 ng

RT: 3.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

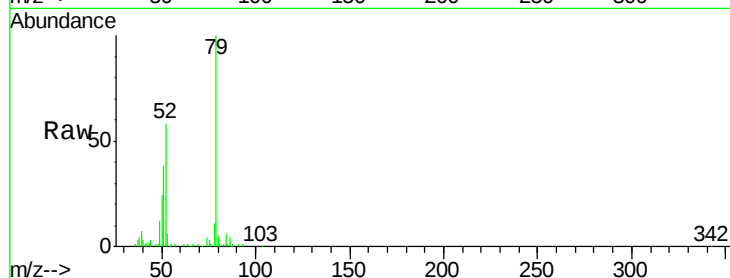
Tot Ion: 79 Resp: 71536

Ion Ratio Lower Upper

79 100

52 57.8 46.5 69.7

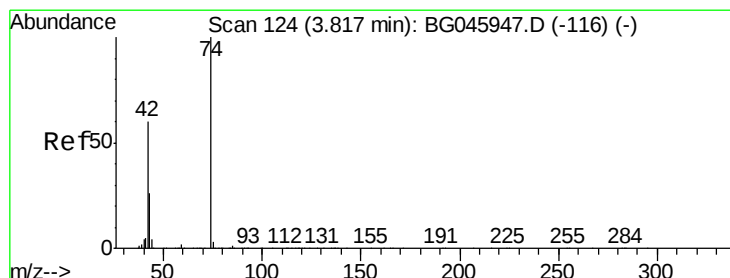
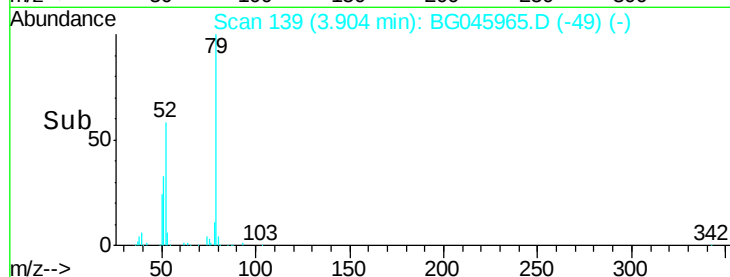
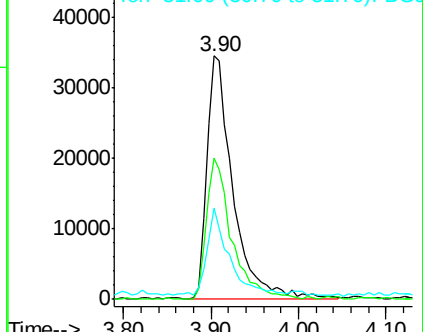
51 37.6 23.5 35.3#



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: 8.411 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

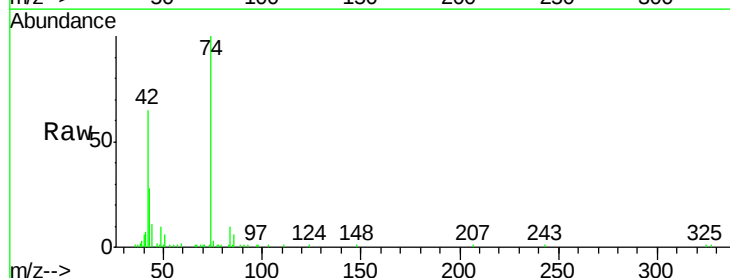
Tgt Ion: 42 Resp: 29297

Ion Ratio Lower Upper

42 100

74 152.8 131.9 197.9

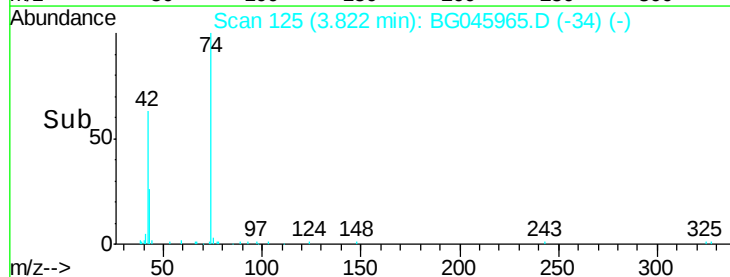
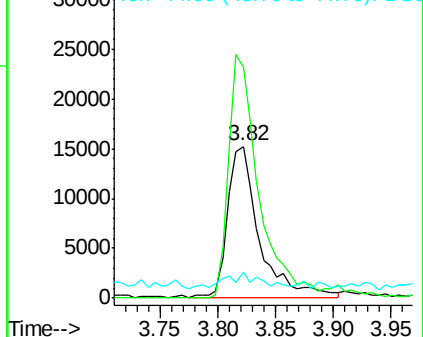
44 16.9 7.7 11.5#

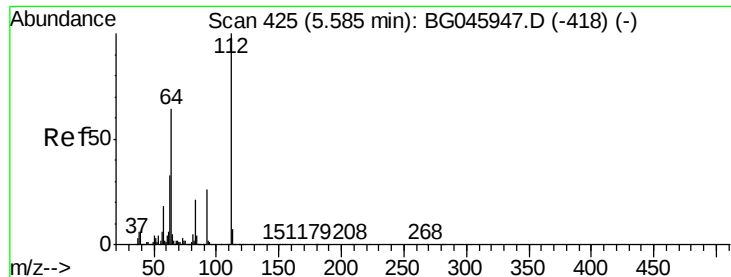


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 159.589 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

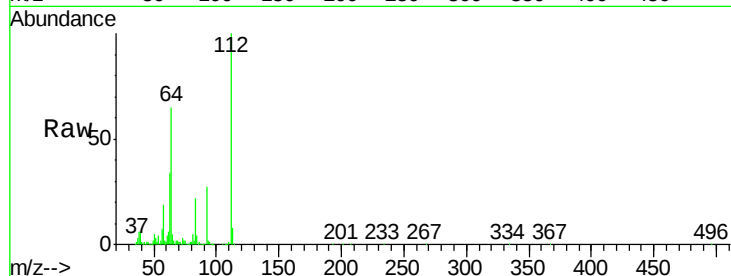
Tot Ion:112 Resp: 1178483

Ion Ratio Lower Upper

112 100

64 65.0 51.4 77.2

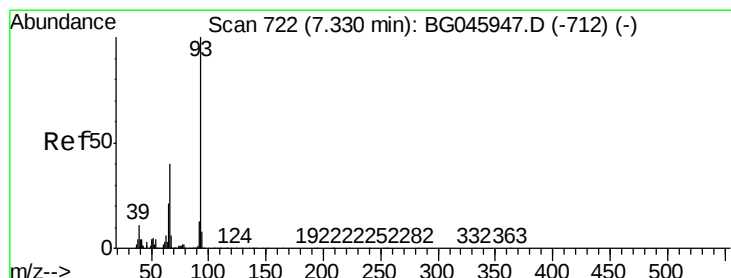
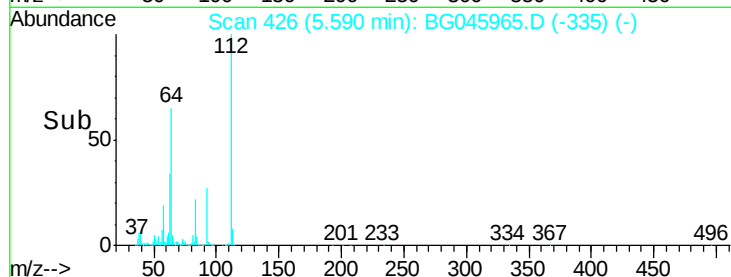
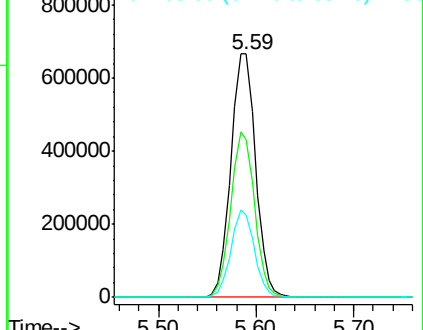
63 34.0 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 8.092 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

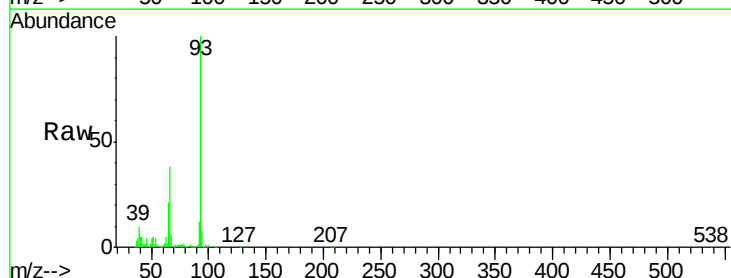
Tgt Ion: 93 Resp: 110055

Ion Ratio Lower Upper

93 100

66 37.8 32.3 48.5

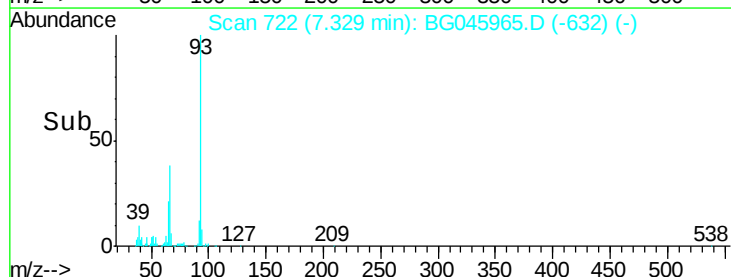
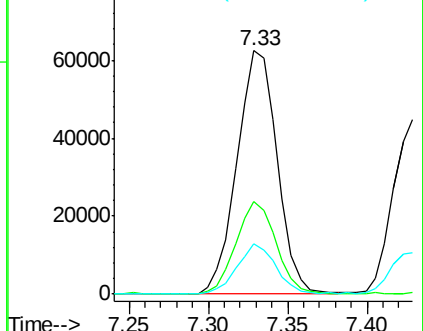
65 20.9 16.6 25.0

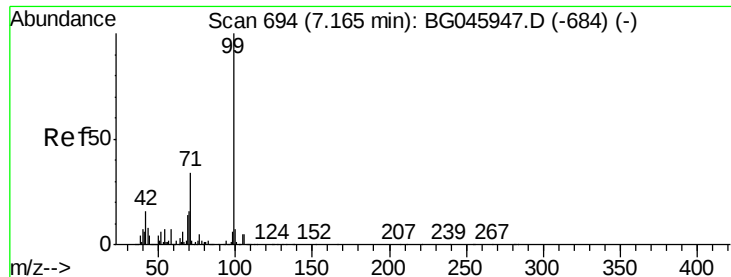


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 155.183 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

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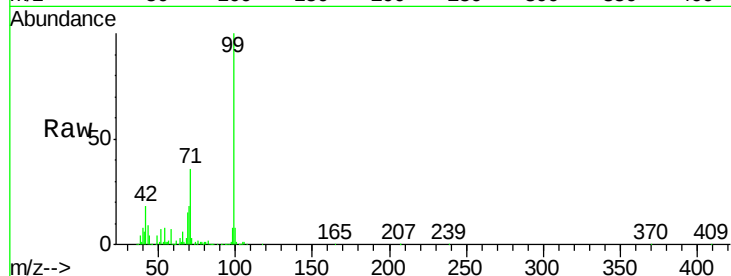
Tot Ion: 99 Resp: 1649835

Ion Ratio Lower Upper

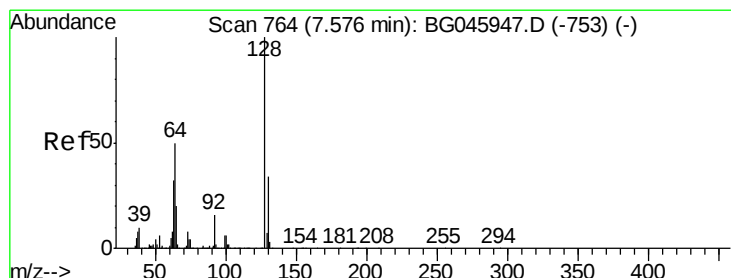
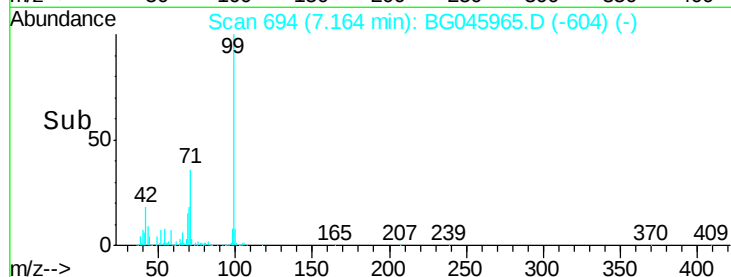
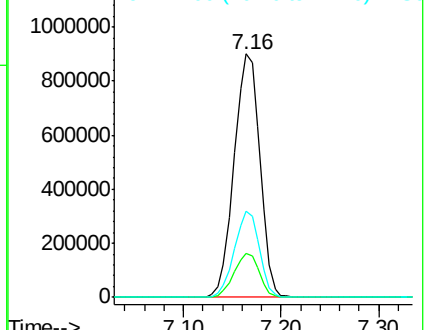
99 100

42 18.2 13.0 19.4

71 35.6 27.5 41.3



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



#8

2-Chlorophenol

Concen: 7.833 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

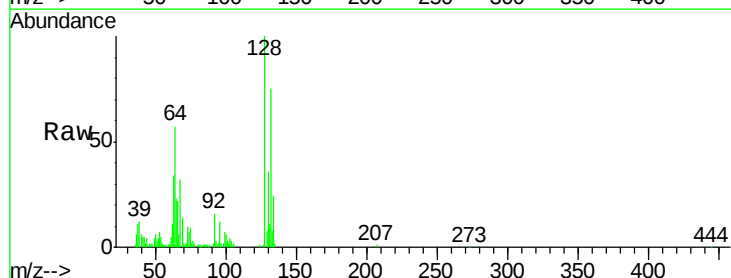
Tgt Ion:128 Resp: 62265

Ion Ratio Lower Upper

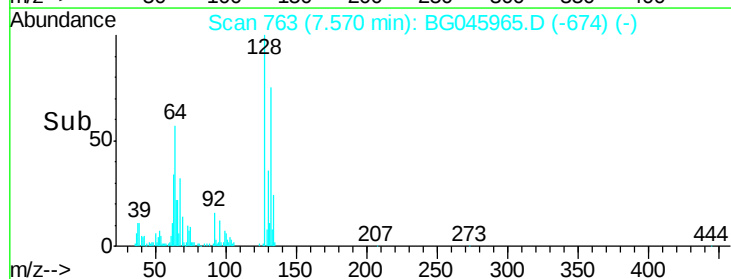
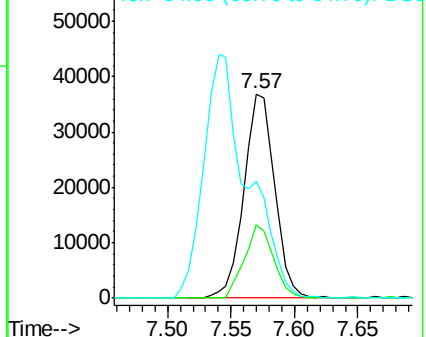
128 100

130 35.7 13.6 53.6

64 57.2 30.6 70.6



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





#9

Benzaldehyde

Concen: 11.156 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045965.D

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BNA_G

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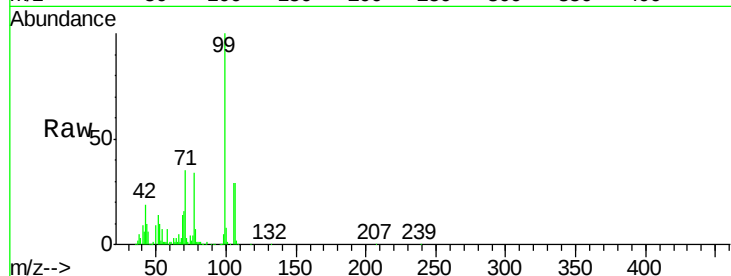
Tot Ion: 77 Resp: 75145

Ion Ratio Lower Upper

77 100

105 86.2 66.0 106.0

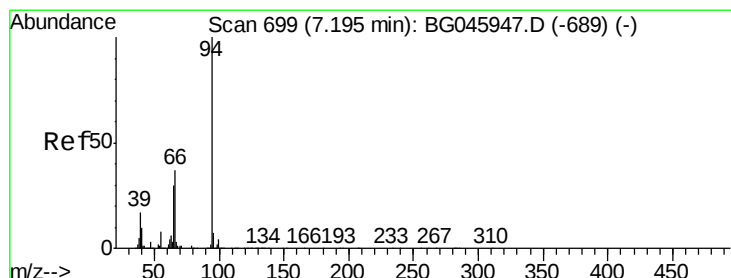
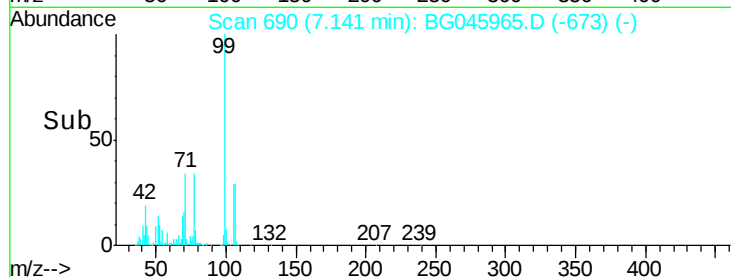
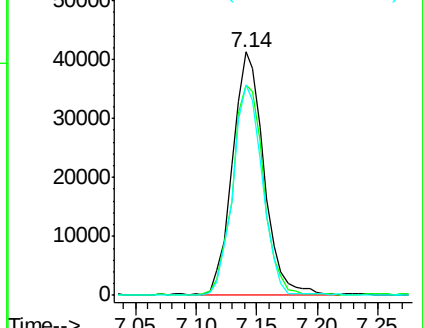
106 86.4 67.7 107.7



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: 7.970 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

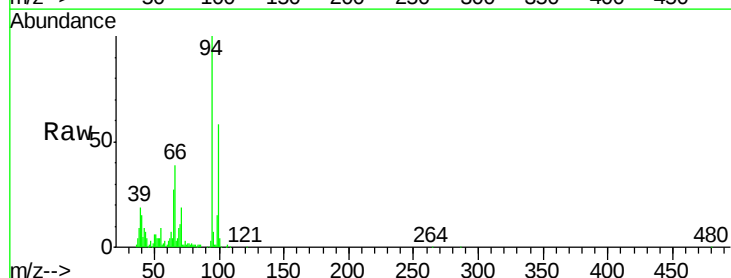
Tgt Ion: 94 Resp: 84997

Ion Ratio Lower Upper

94 100

65 27.4 10.6 50.6

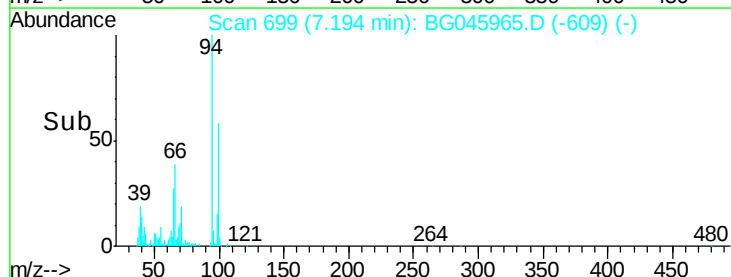
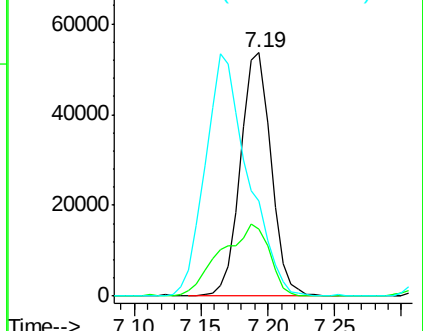
66 38.9 17.1 57.1

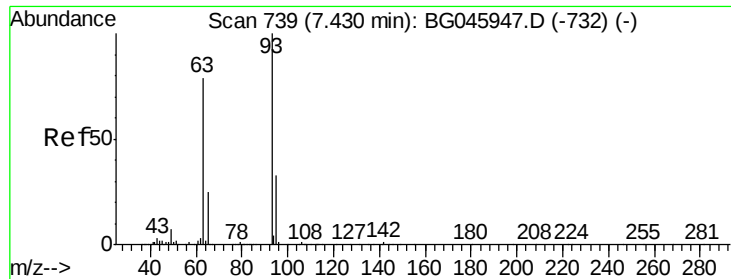


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



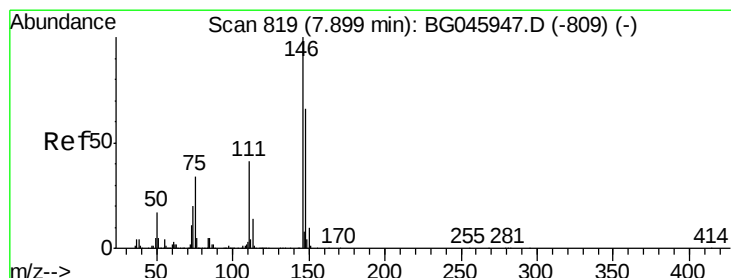
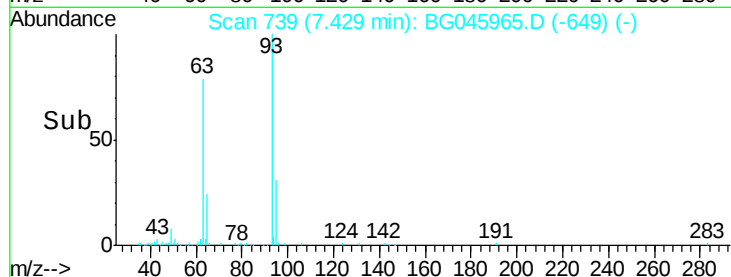
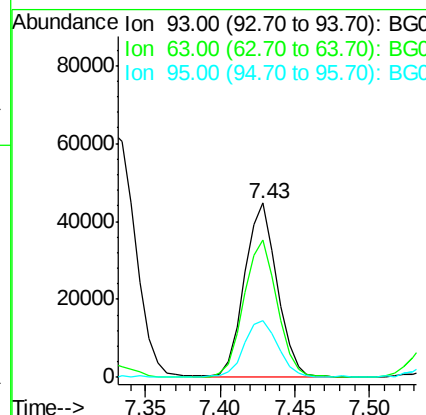
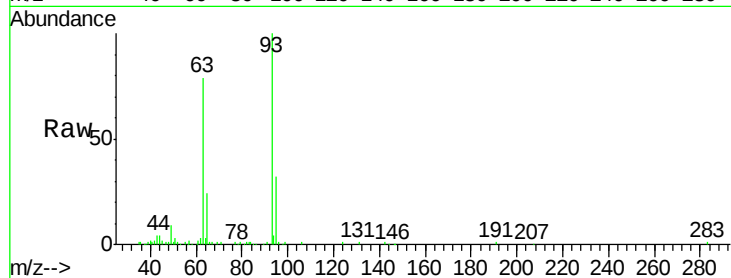


#11
bis(2-Chloroethyl)ether
Concen: 7.631 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion: 93 Resp: 67294

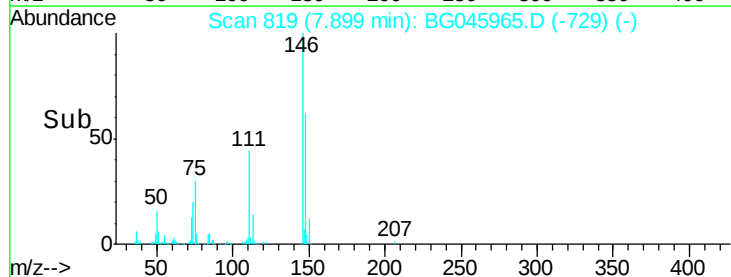
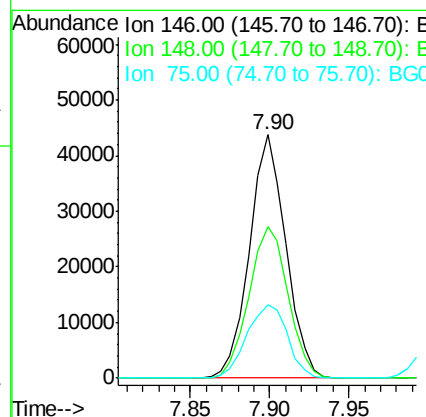
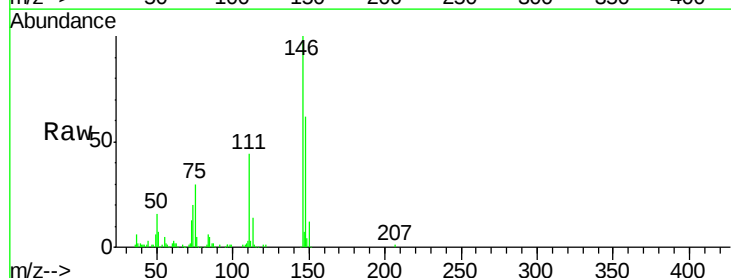
Ion	Ratio	Lower	Upper
93	100		
63	78.6	58.6	98.6
95	32.3	13.3	53.3

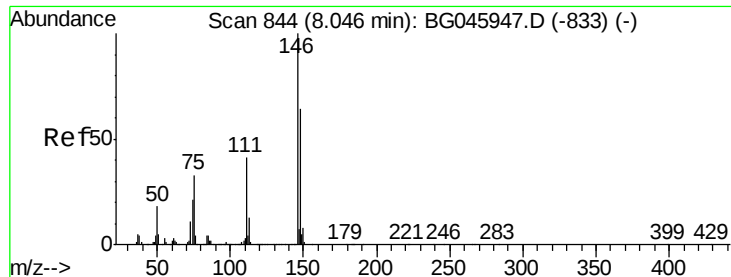


#12
1,3-Dichlorobenzene
Concen: 7.600 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion: 146 Resp: 69632

Ion	Ratio	Lower	Upper
146	100		
148	62.1	52.8	79.2
75	30.1	27.2	40.8

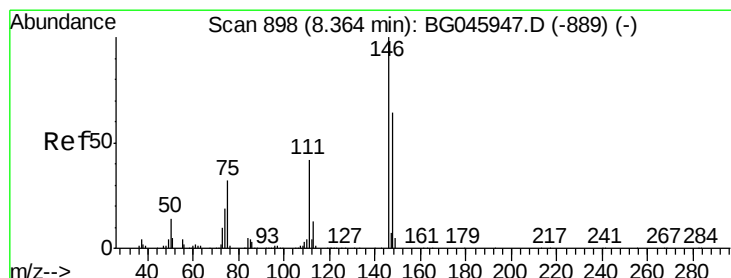
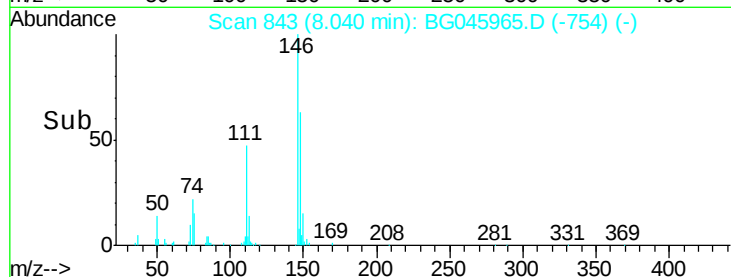
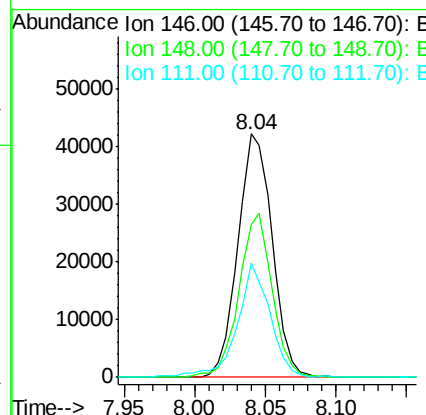
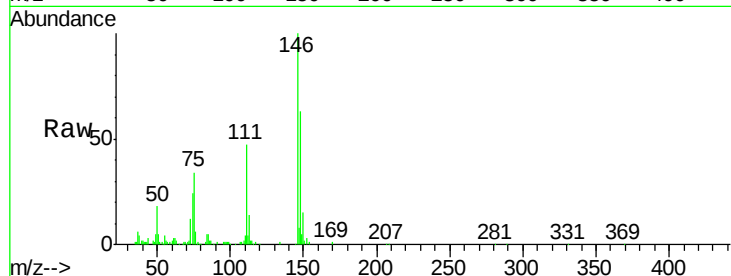




#13
 1,4-Dichlorobenzene
 Concen: 7.962 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

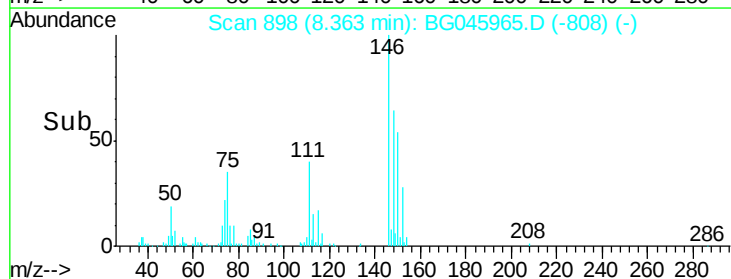
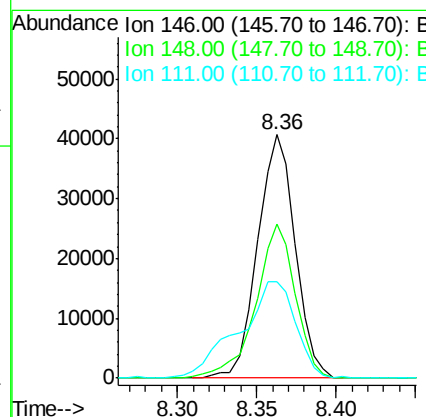
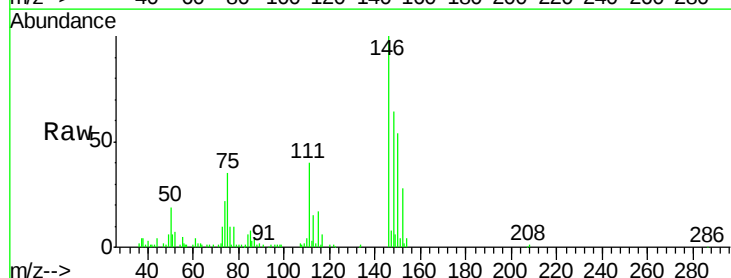
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

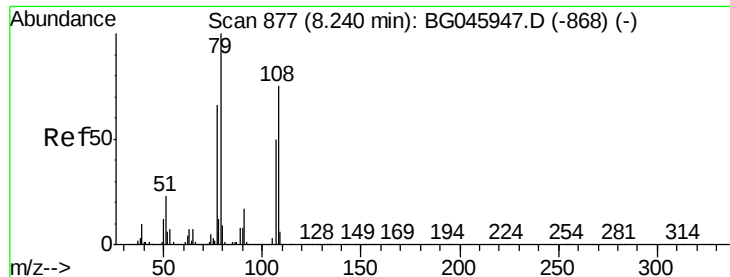
Tot Ion:146 Resp: 71765
 Ion Ratio Lower Upper
 146 100
 148 62.9 51.7 77.5
 111 47.1 33.3 49.9



#14
 1,2-Dichlorobenzene
 Concen: 7.692 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion:146 Resp: 66730
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.6 77.4
 111 39.6 34.0 51.0





#15

Benzyl Alcohol

Concen: 7.751 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleID :

LOD-MDL-SOIL-01-QT3-2020

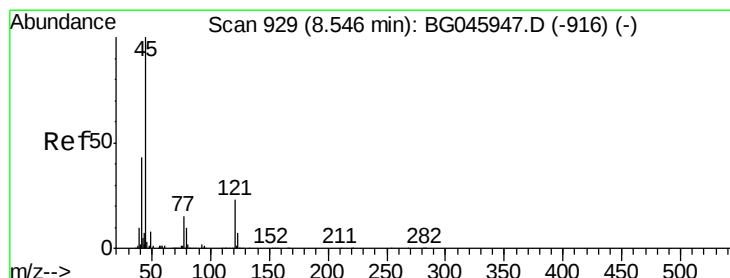
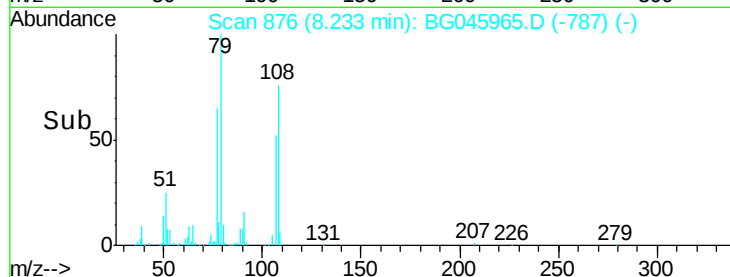
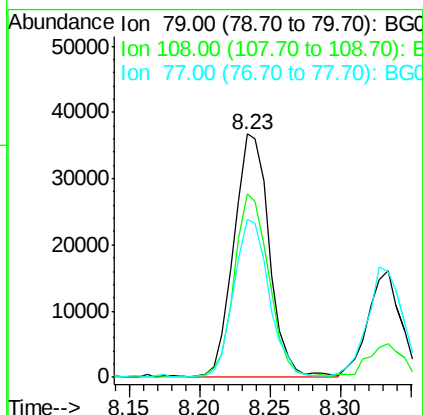
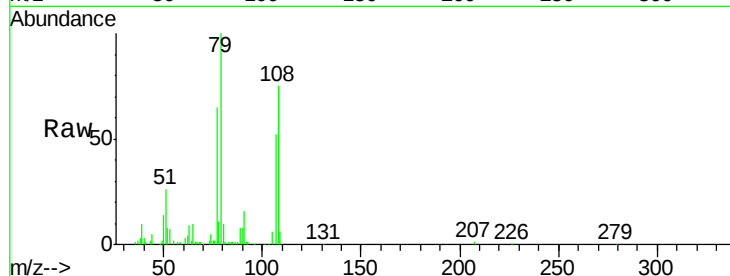
Tot Ion: 79 Resp: 64610

Ion Ratio Lower Upper

79 100

108 75.4 60.2 90.4

77 64.9 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.520 ng

RT: 8.53 min Scan# 927

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

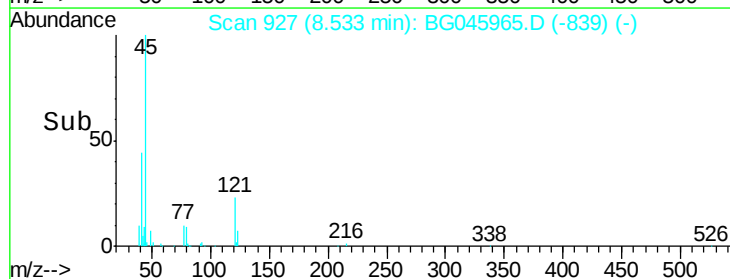
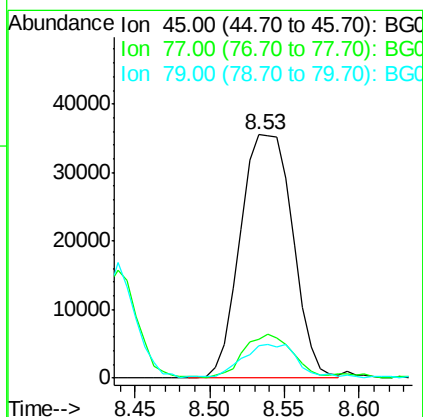
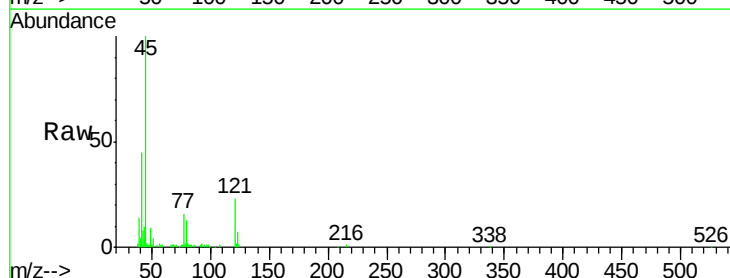
Tgt Ion: 45 Resp: 86521

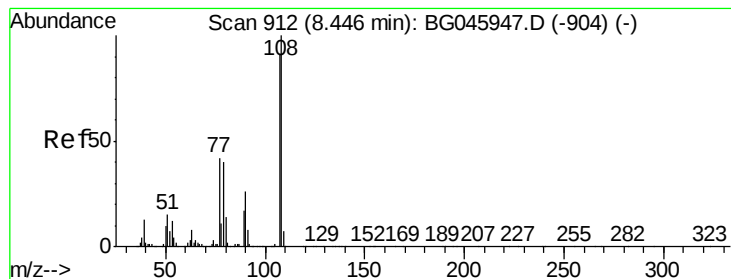
Ion Ratio Lower Upper

45 100

77 15.7 0.0 37.6

79 13.2 0.0 32.6

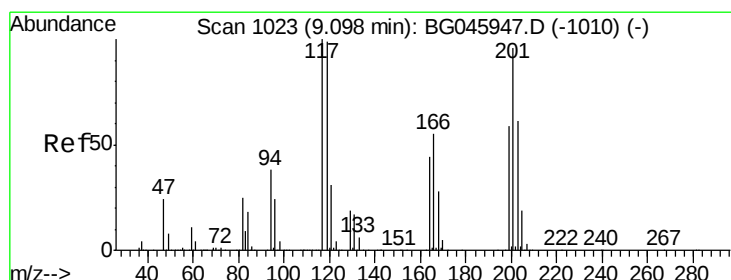
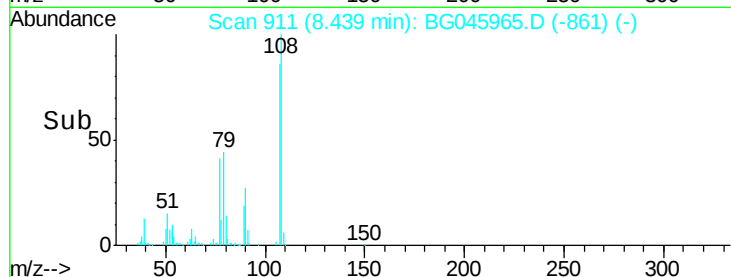
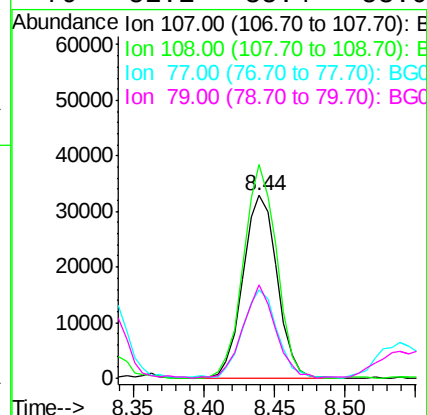
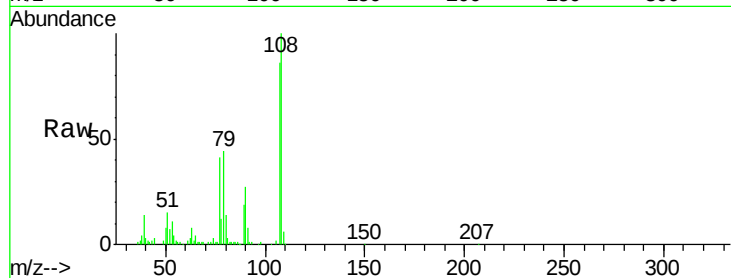




#17
2-Methylphenol
Concen: 7.003 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

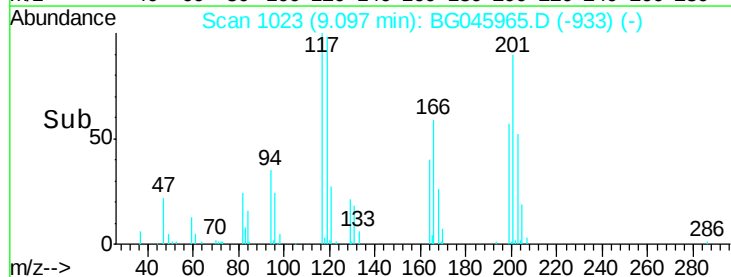
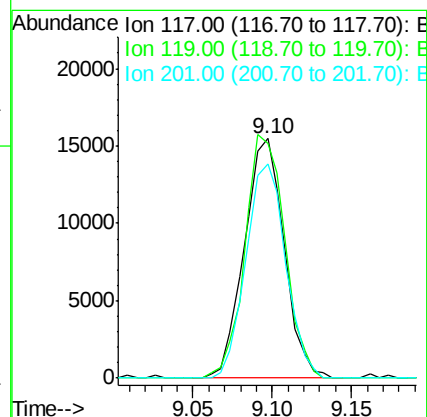
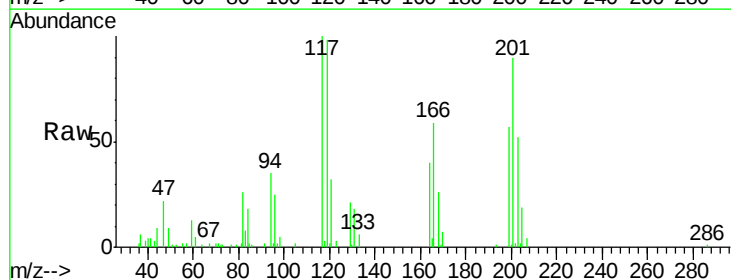
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

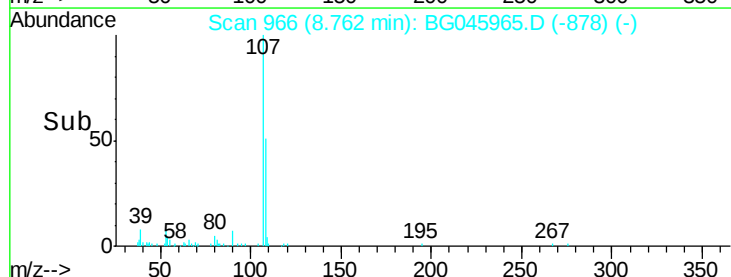
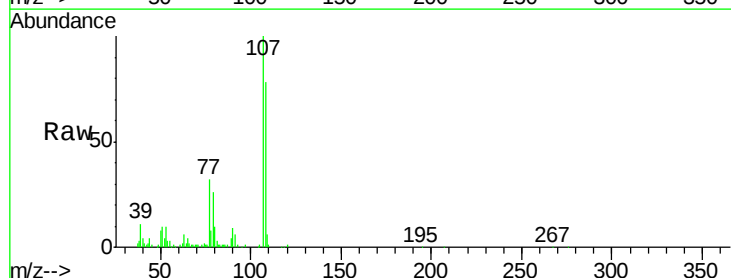
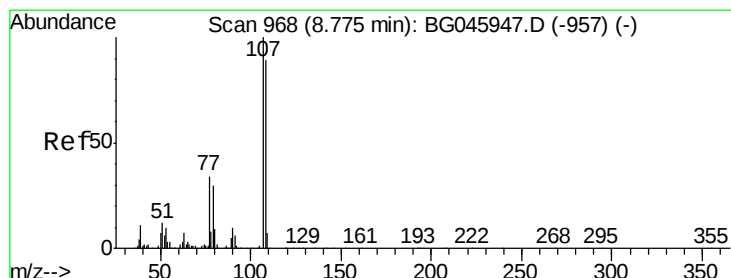
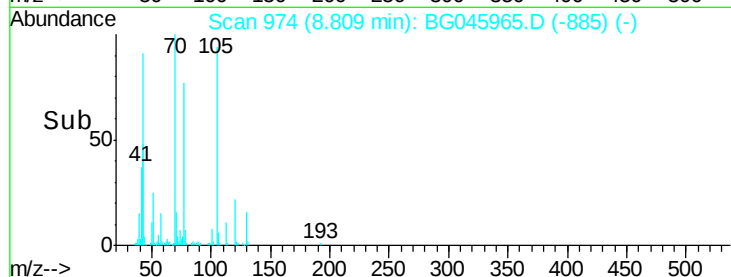
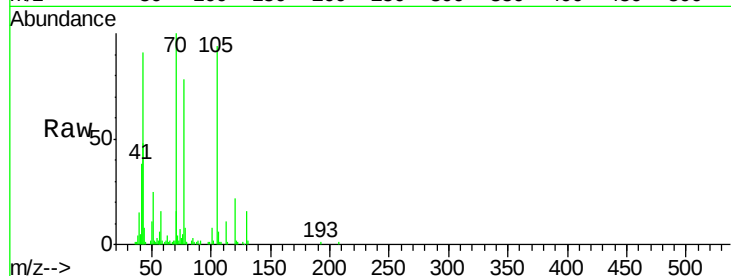
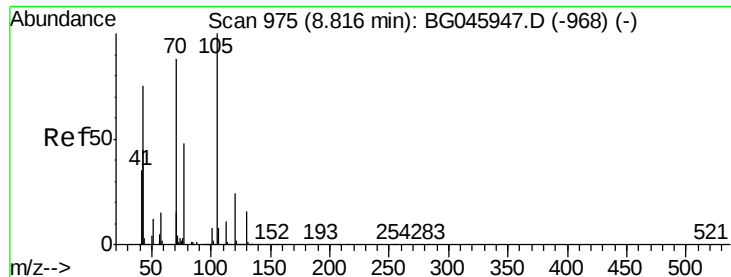
Tot Ion:	107	Resp:	56040
Ion	Ratio	Lower	Upper
107	100		
108	116.8	88.2	132.4
77	48.1	37.0	55.4
79	51.1	35.4	53.0



#18
Hexachloroethane
Concen: 7.774 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:	117	Resp:	26961
Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.5	119.3
201	89.8	77.0	115.4





#19

n-Nitroso-di-n-propylamine

Concen: 7.927 ng

RT: 8.81 min Scan# 974

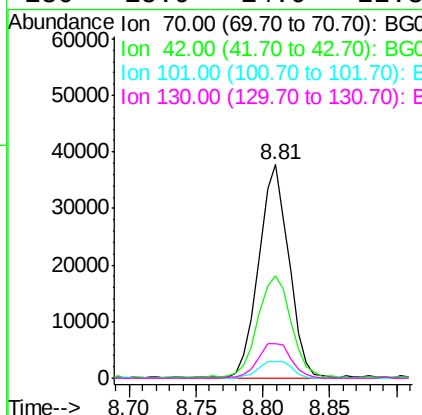
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

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

Tot Ion:	70	Resp:	59205
Ion Ratio	Lower	Upper	
70	100		
42	48.1	41.4	62.0
101	8.1	7.1	10.7
130	15.9	14.9	22.3



#20

3+4-Methylphenols

Concen: 7.147 ng

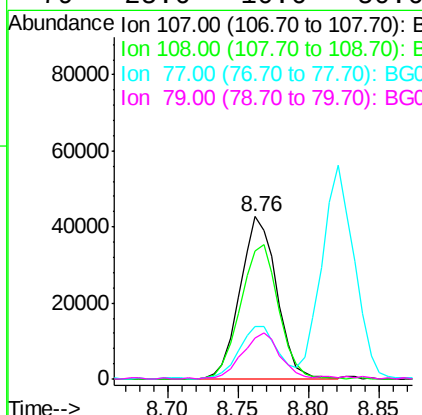
RT: 8.76 min Scan# 966

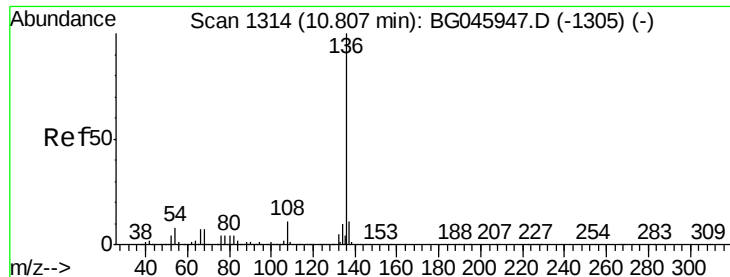
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	107	Resp:	77945
Ion Ratio	Lower	Upper	
107	100		
108	78.5	68.7	108.7
77	32.5	14.6	54.6
79	25.6	10.6	50.6

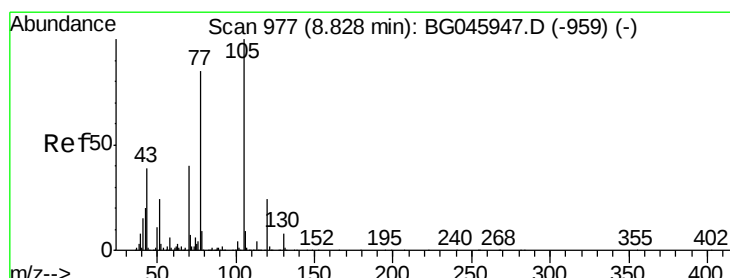
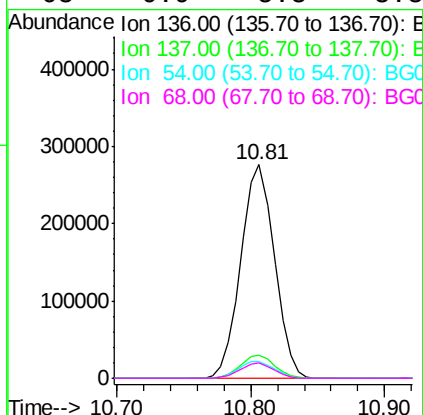
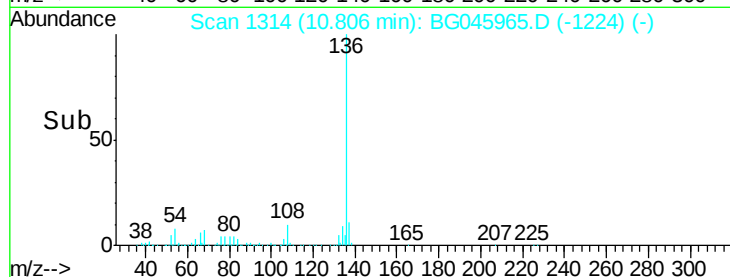
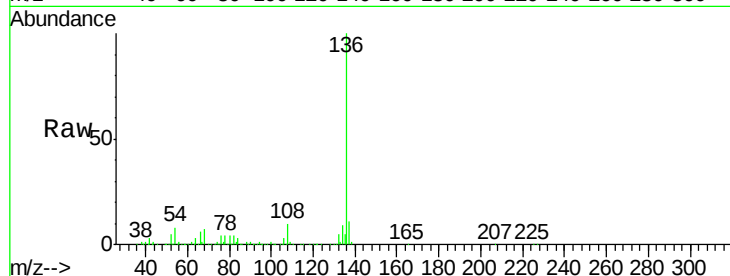




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

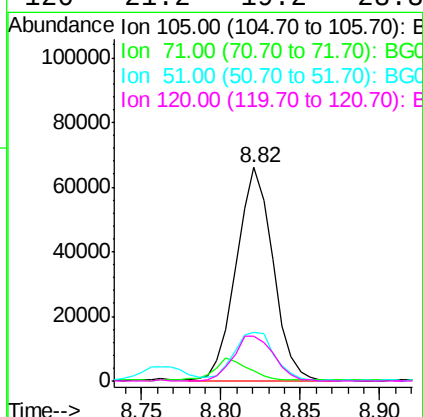
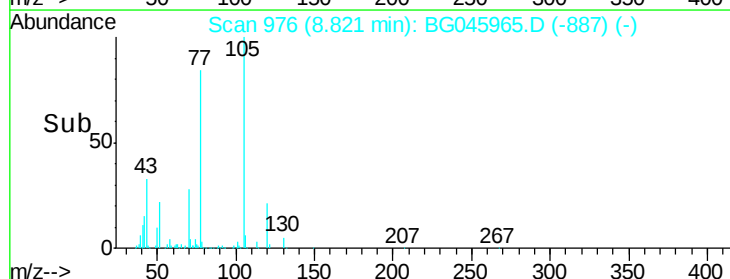
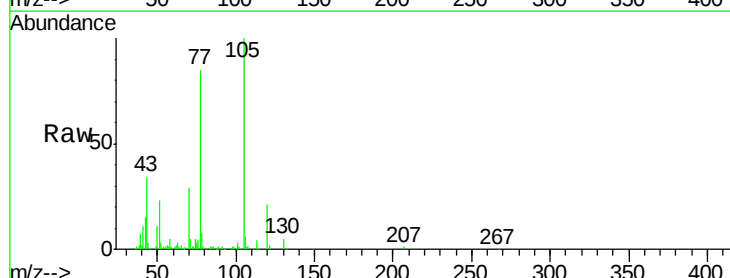
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

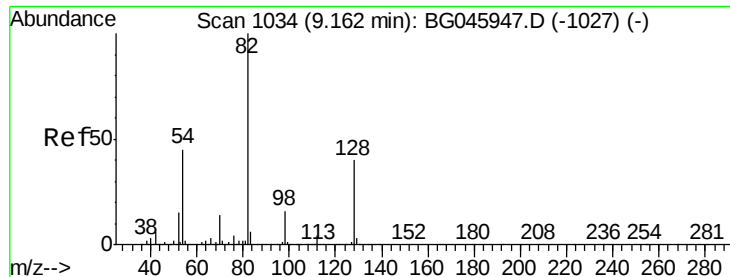
Tot Ion:136	Resp:	481530
Ion Ratio	Lower	Upper
136 100		
137 10.7	9.2	13.8
54 8.0	6.2	9.4
68 6.9	5.8	8.8



#22
Acetophenone
Concen: 8.289 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt	Ion:105	Resp:	106626
Ion	Ratio	Lower	Upper
105	100		
71	4.6	6.2	9.2#
51	22.7	19.7	29.5
120	21.2	19.2	28.8

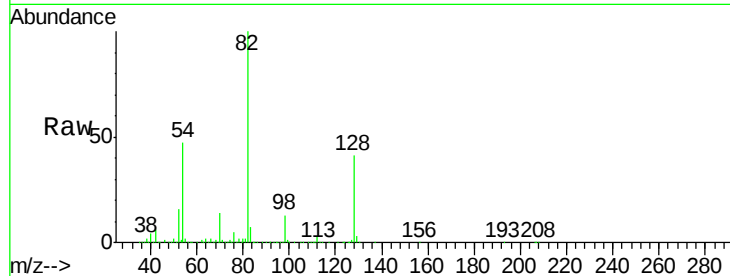




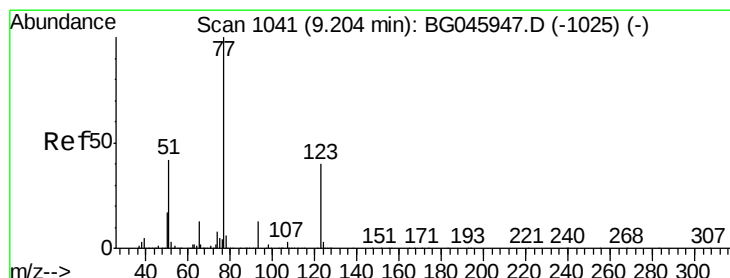
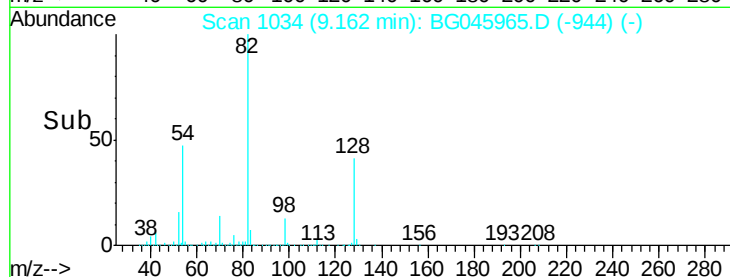
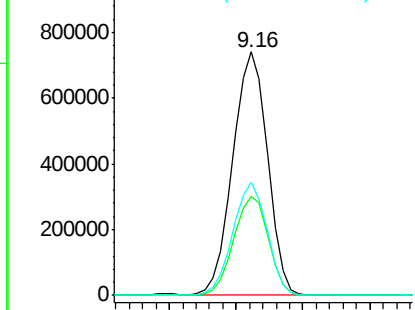
#23
 Nitrobenzene-d5
 Concen: 159.796 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion: 82 Resp: 1336854
 Ion Ratio Lower Upper
 82 100
 128 40.8 32.2 48.4
 54 46.5 35.8 53.6

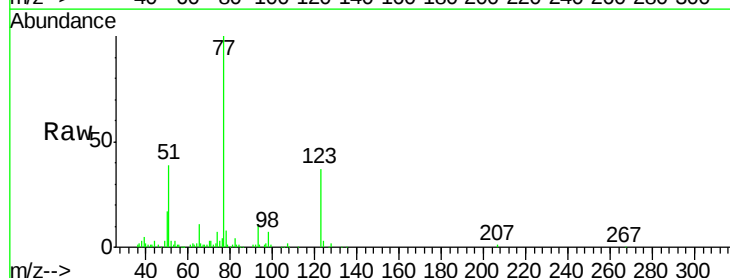


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

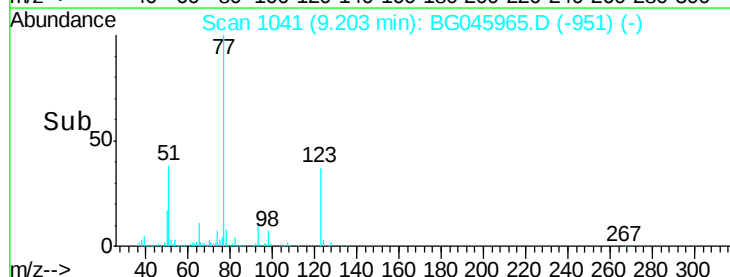
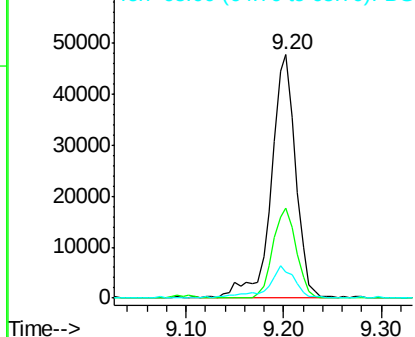


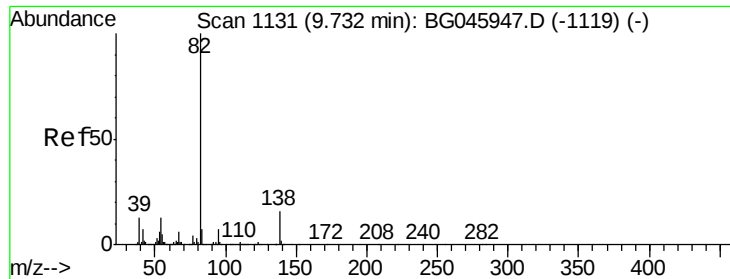
#24
 Nitrobenzene
 Concen: 9.014 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion: 77 Resp: 83237
 Ion Ratio Lower Upper
 77 100
 123 37.0 32.7 49.1
 65 10.5 10.2 15.4



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 7.735 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

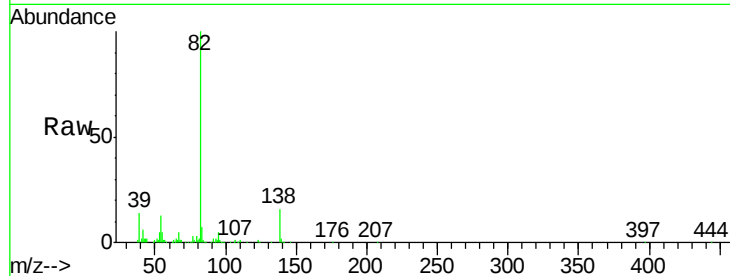
Tot Ion: 82 Resp: 157977

Ion Ratio Lower Upper

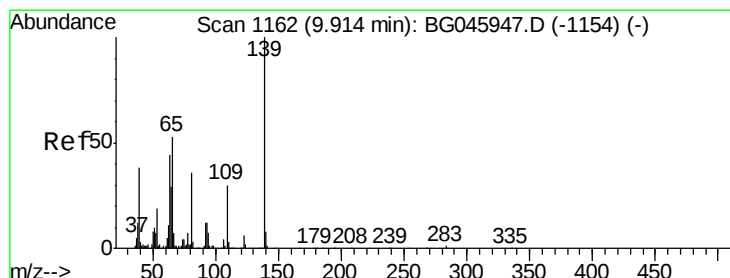
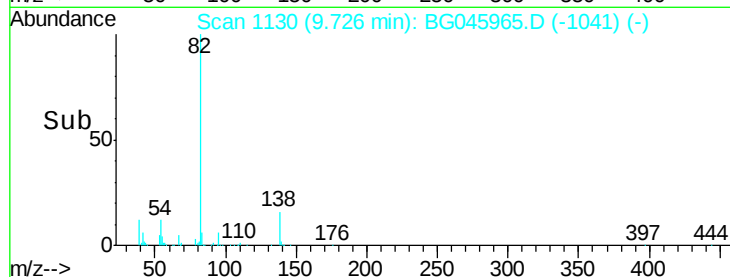
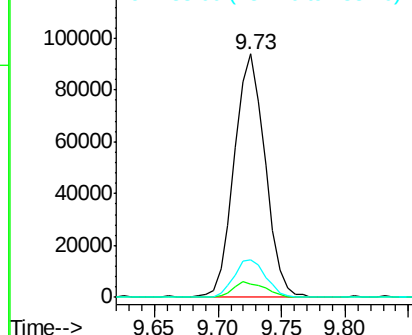
82 100

95 5.4 5.8 8.6#

138 15.6 12.9 19.3



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



#26

2-Nitrophenol

Concen: 7.592 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

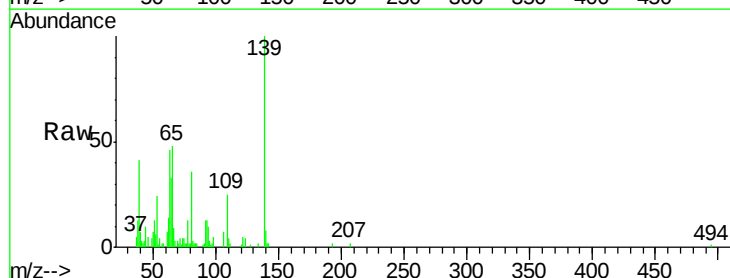
Tgt Ion: 139 Resp: 22849

Ion Ratio Lower Upper

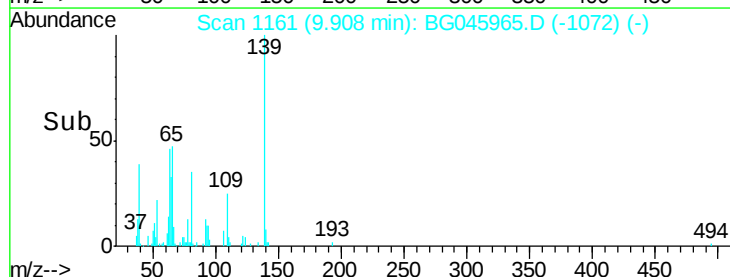
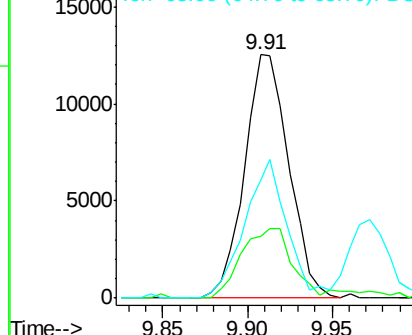
139 100

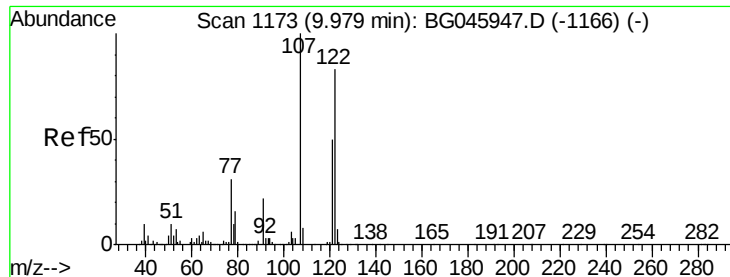
109 25.4 24.6 37.0

65 48.4 42.6 64.0



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





#27

2,4-Dimethylphenol

Concen: 7.985 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

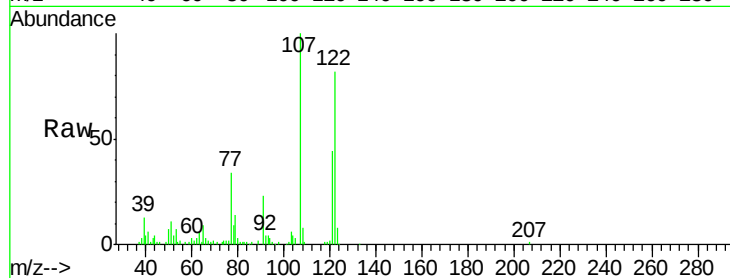
Tot Ion:122 Resp: 58048

Ion Ratio Lower Upper

122 100

107 121.3 95.6 143.4

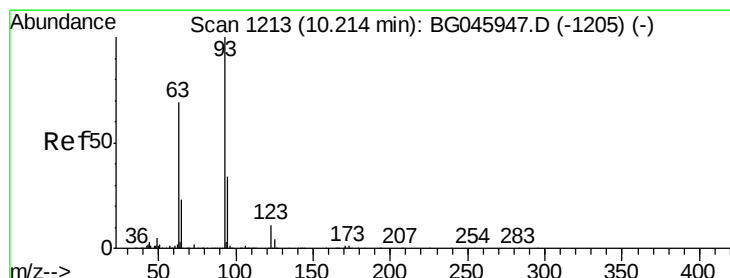
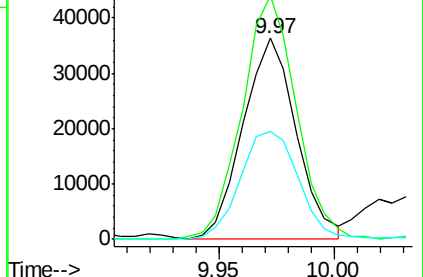
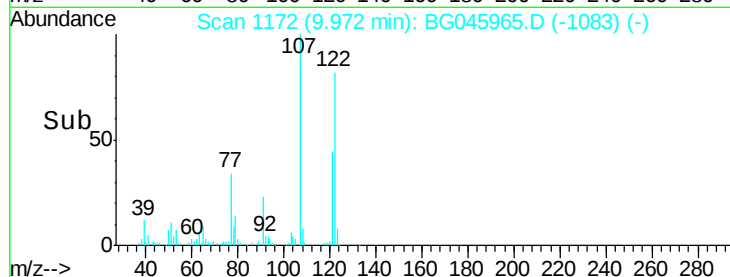
121 54.0 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 8.057 ng

RT: 10.21 min Scan# 1213

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

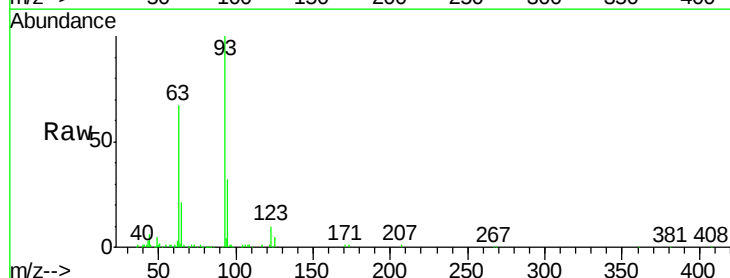
Tgt Ion: 93 Resp: 92397

Ion Ratio Lower Upper

93 100

95 32.0 27.5 41.3

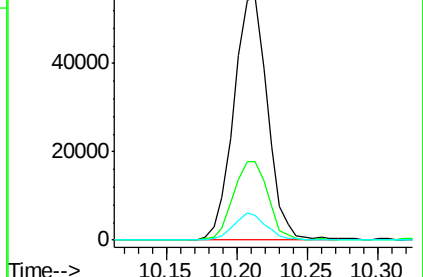
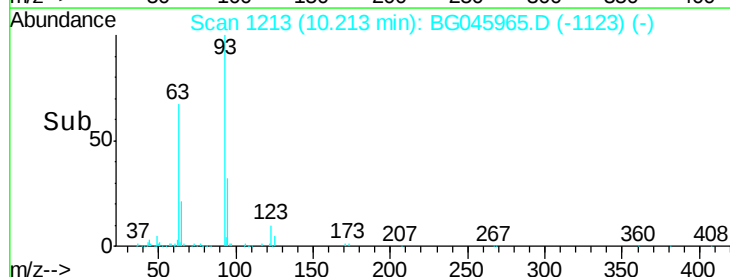
123 10.0 9.2 13.8

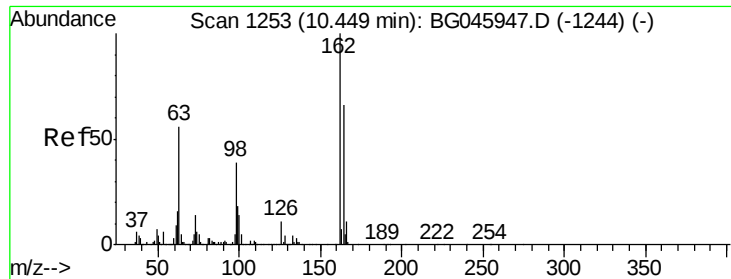


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

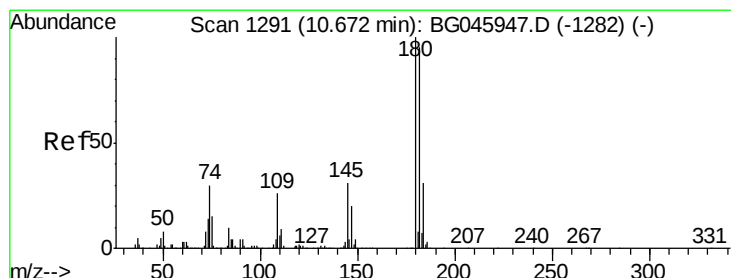
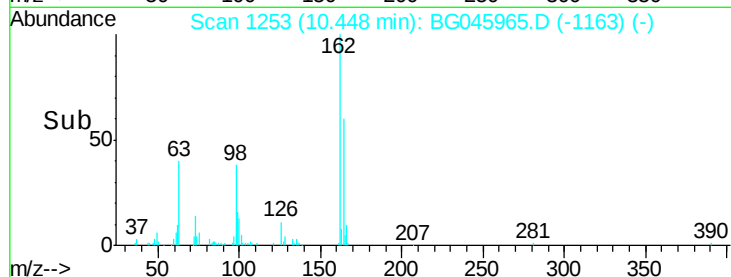
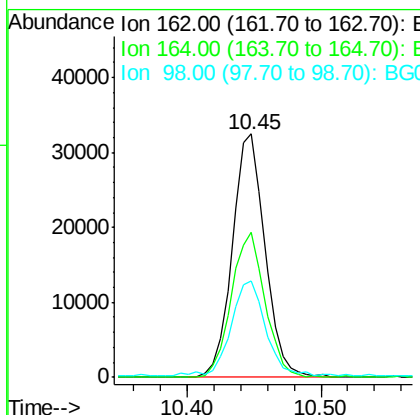
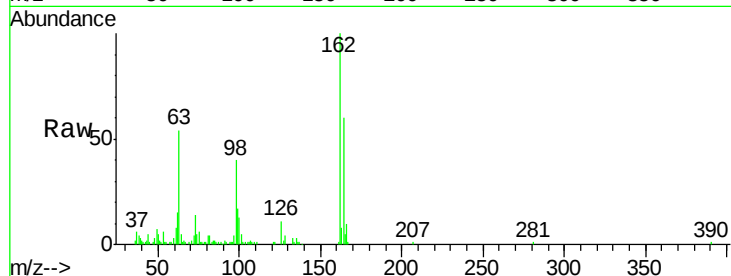




#29
 2,4-Dichlorophenol
 Concen: 7.353 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

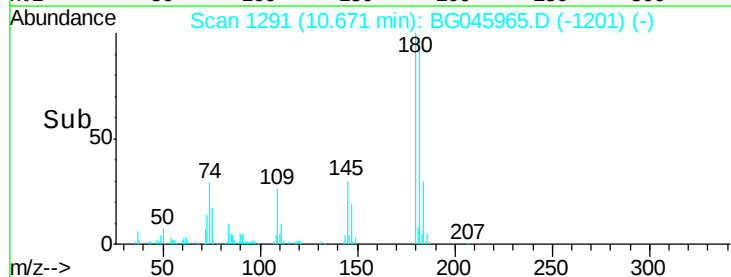
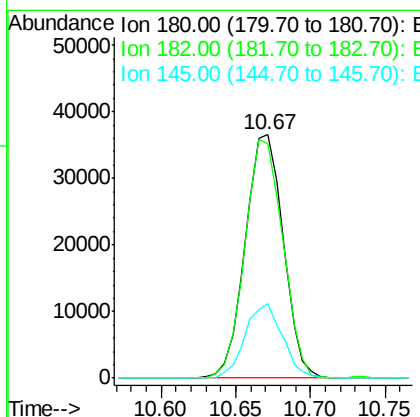
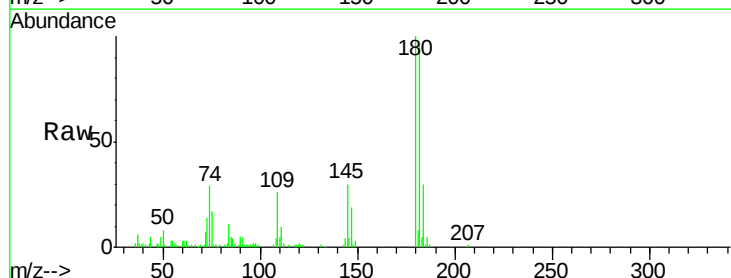
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

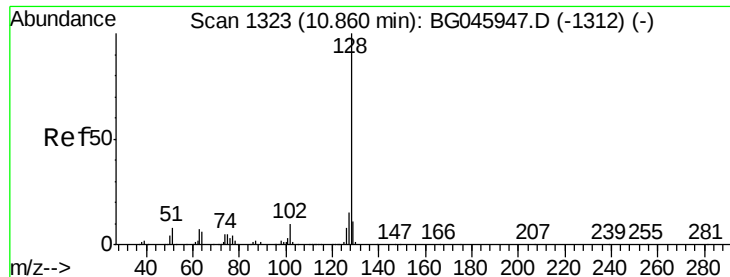
Tot Ion	Ratio	Lower	Upper
162	100		
164	59.7	46.0	86.0
98	39.6	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 7.721 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.3	114.5
145	30.5	24.8	37.2

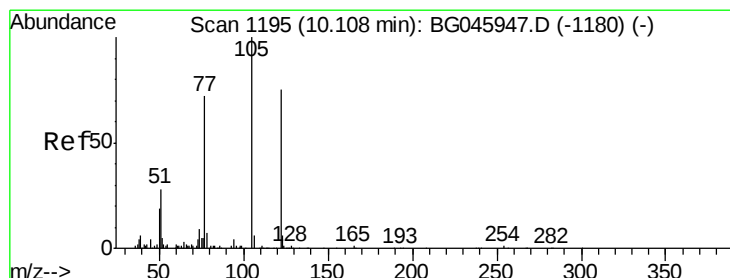
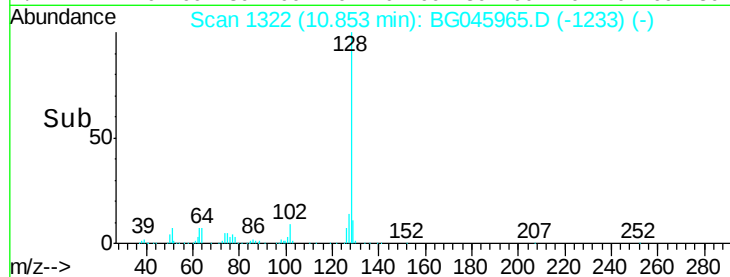
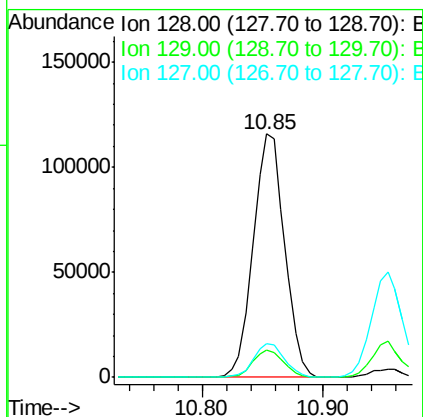
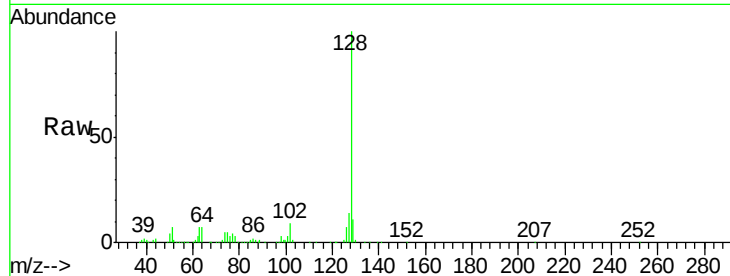




#31
Naphthalene
Concen: 8.086 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

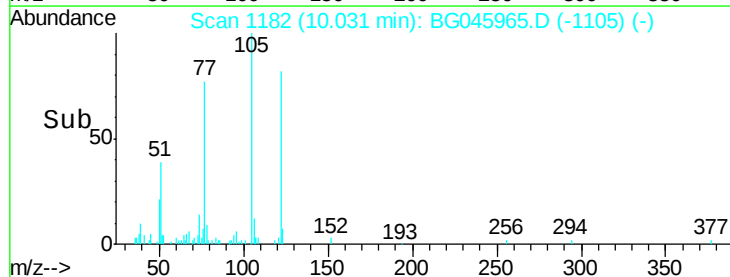
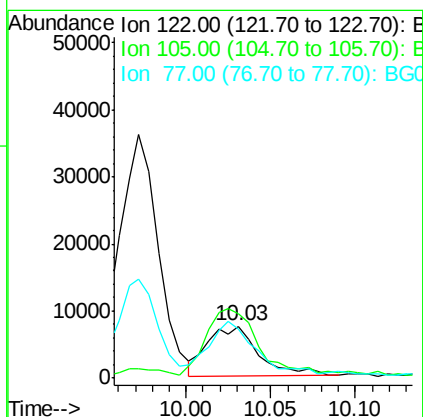
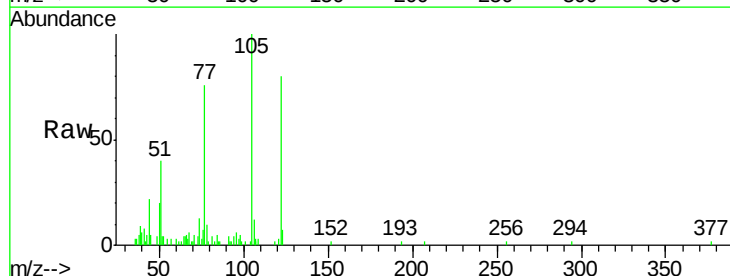
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

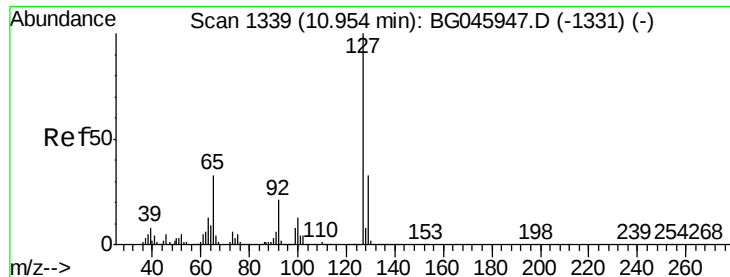
Tot Ion:128 Resp: 208744
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 14.0 11.8 17.6



#32
Benzoic acid
Concen: 4.033 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.08 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:122 Resp: 15875
Ion Ratio Lower Upper
122 100
105 124.5 110.8 150.8
77 94.3 76.4 116.4

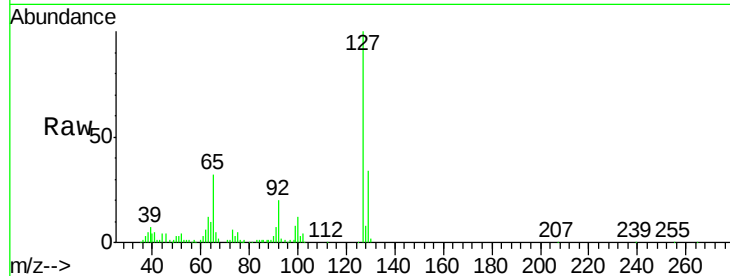




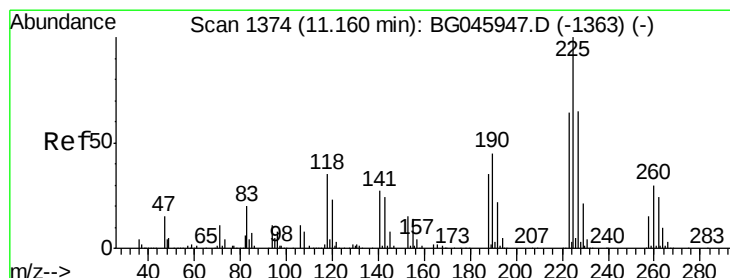
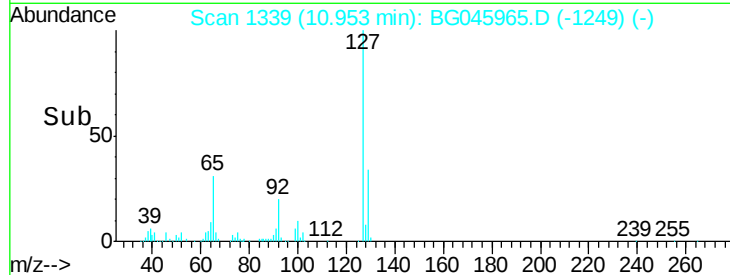
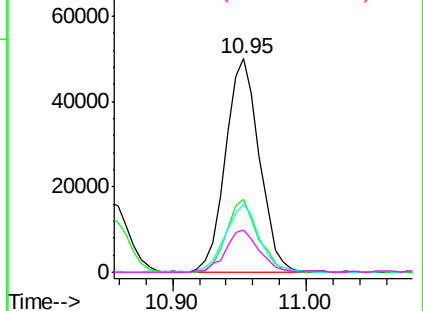
#33
4-Chloroaniline
Concen: 7.707 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion:	127	Resp:	88905
Ion	Ratio	Lower	Upper
127	100		
129	34.3	26.6	39.8
65	31.7	26.8	40.2
92	19.9	17.0	25.4

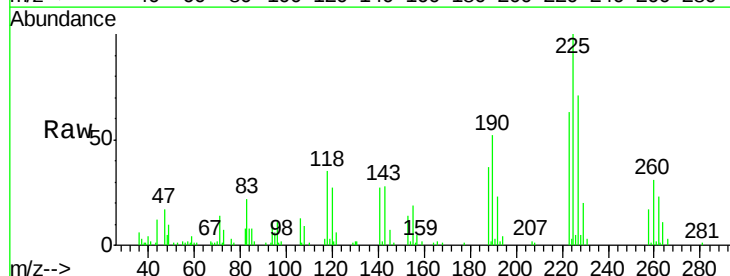


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

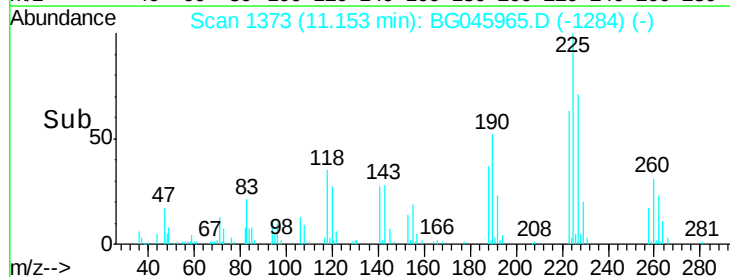
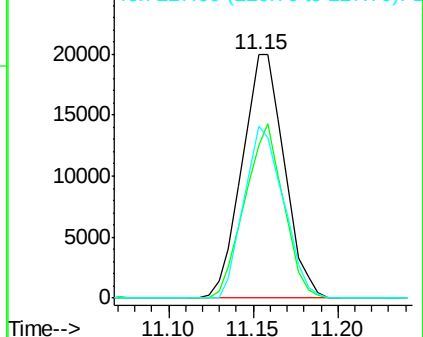


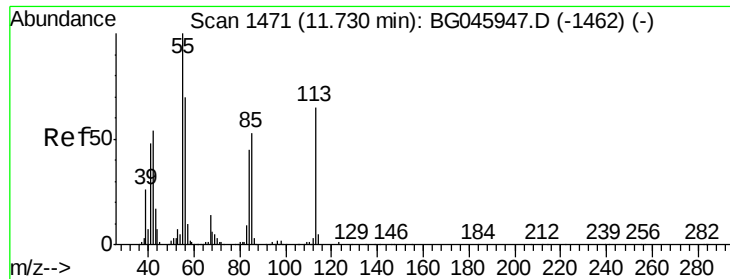
#34
Hexachlorobutadiene
Concen: 7.108 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:	225	Resp:	34606
Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.2	76.8
227	70.8	52.3	78.5



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

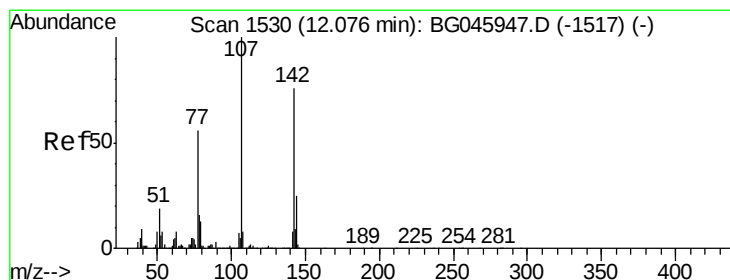
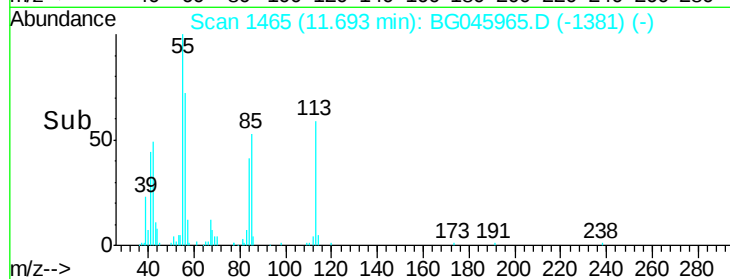
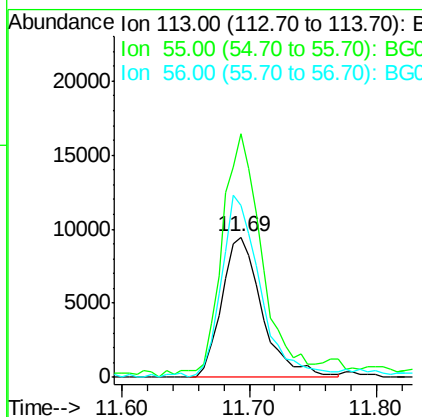
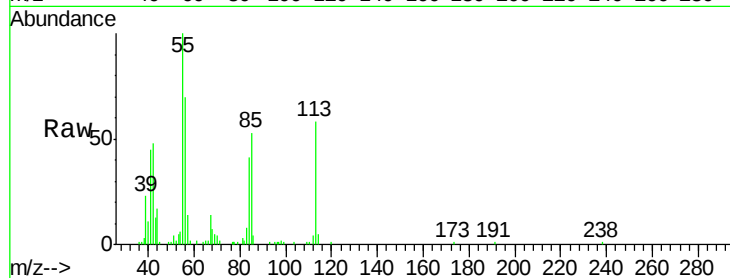




#35
Caprolactam
Concen: 7.305 ng
RT: 11.69 min Scan# 1465
Delta R.T. -0.04 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

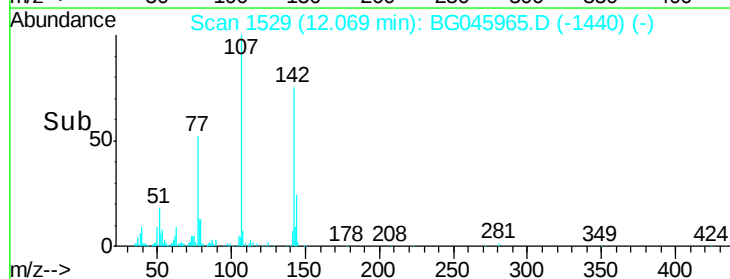
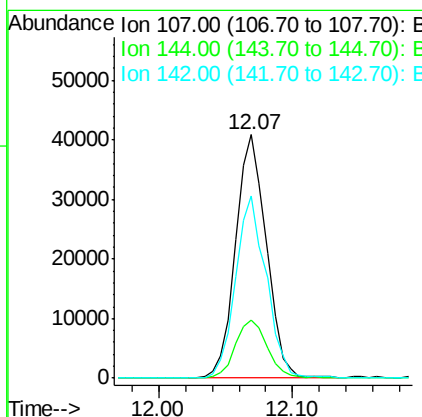
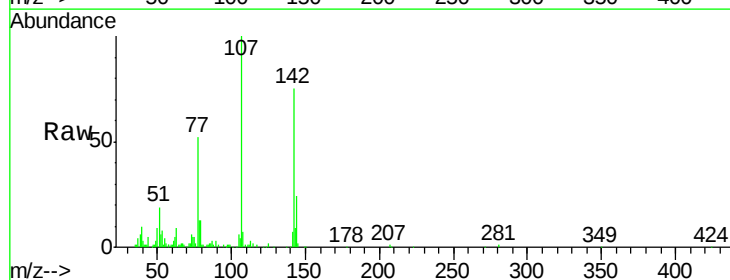
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

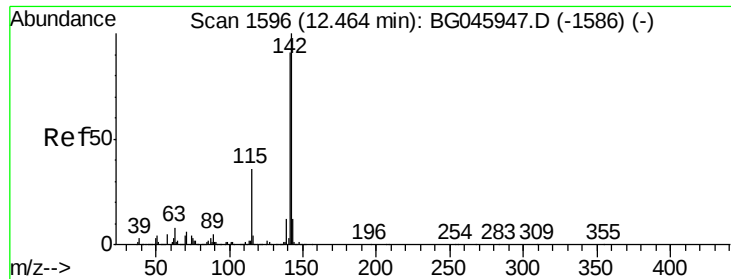
Tot Ion:113 Resp: 20873
Ion Ratio Lower Upper
113 100
55 173.4 141.6 181.6
56 122.0 89.6 129.6



#36
4-Chloro-3-methylphenol
Concen: 7.621 ng
RT: 12.07 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:107 Resp: 65322
Ion Ratio Lower Upper
107 100
144 23.6 20.0 30.0
142 75.0 61.1 91.7

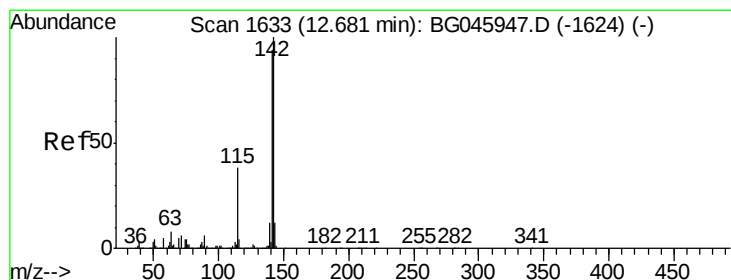
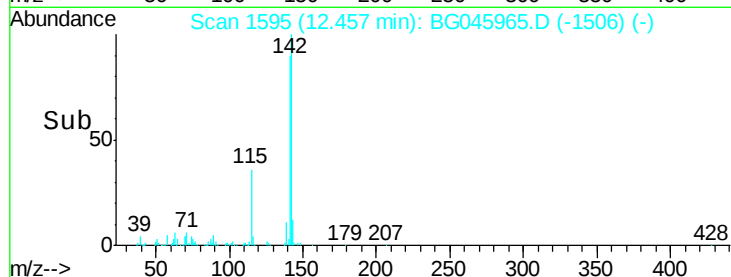
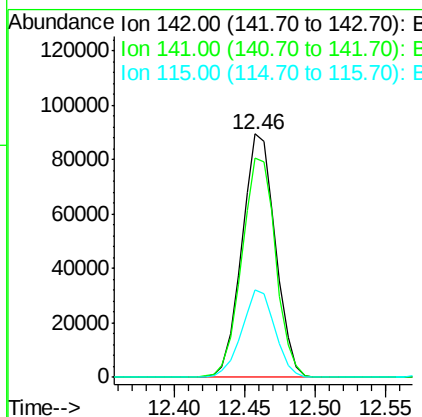
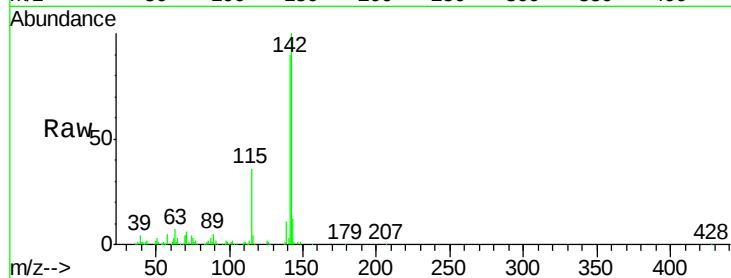




#37
 2-Methylnaphthalene
 Concen: 8.077 ng
 RT: 12.46 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

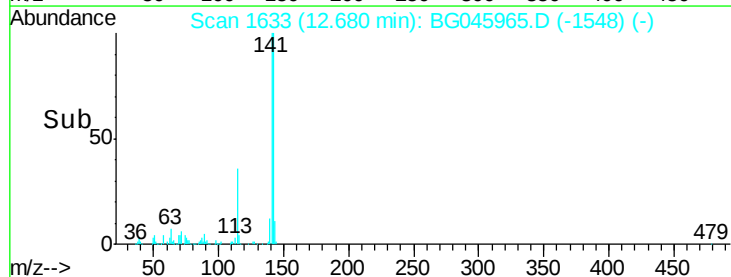
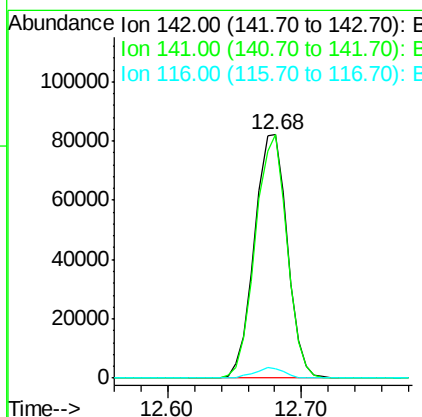
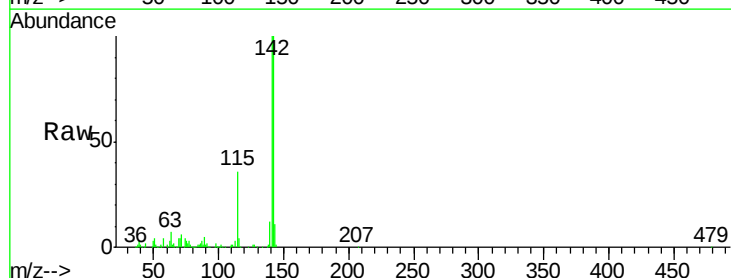
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

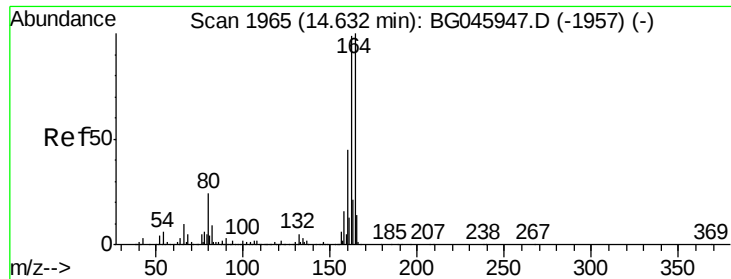
Tot Ion:142 Resp: 148220
 Ion Ratio Lower Upper
 142 100
 141 90.3 73.0 109.6
 115 35.9 28.8 43.2



#38
 1-Methylnaphthalene
 Concen: 8.029 ng
 RT: 12.68 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion:142 Resp: 139040
 Ion Ratio Lower Upper
 142 100
 141 99.9 75.2 112.8
 116 4.0 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: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

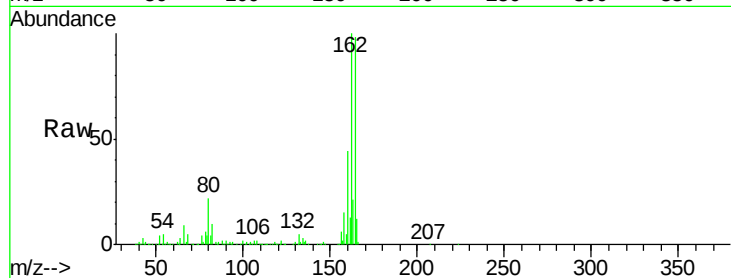
Tot Ion:164 Resp: 286946

Ion Ratio Lower Upper

164 100

162 102.1 79.3 118.9

160 44.9 35.7 53.5

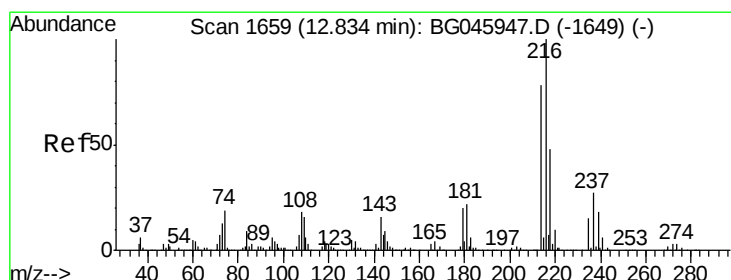
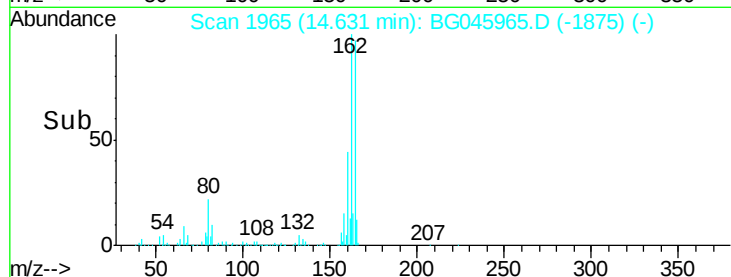
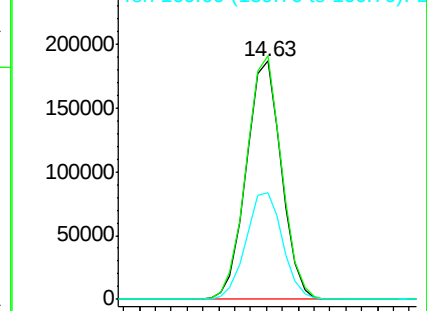


Abundance

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: 8.440 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:216 Resp: 68270

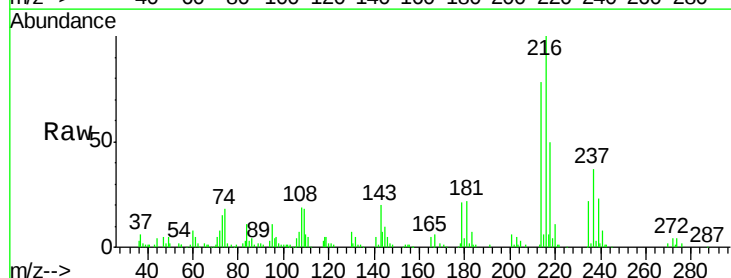
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.4

179 21.9 17.0 25.6

108 21.5 17.3 25.9



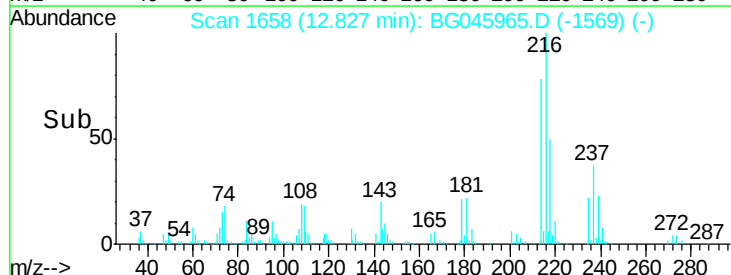
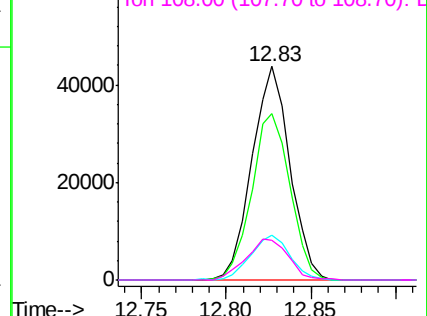
Abundance

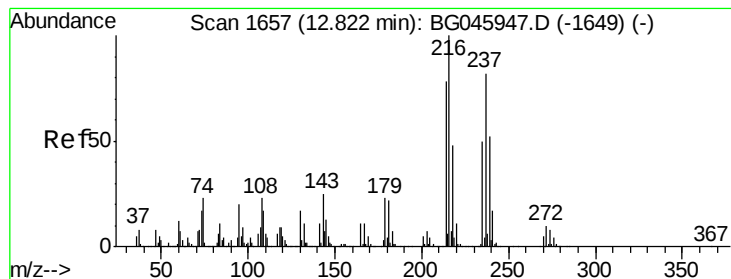
Ion 216.00 (215.70 to 216.70): E

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: 7.933 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

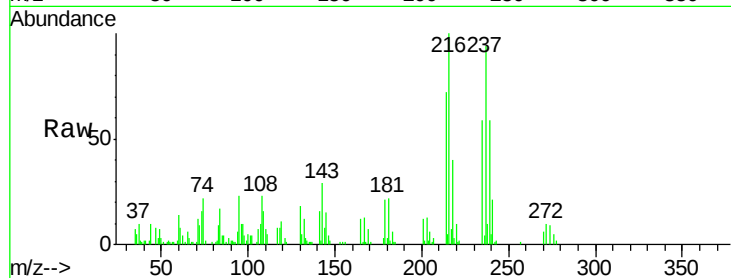
Tot Ion:237 Resp: 38075

Ion Ratio Lower Upper

237 100

235 63.1 41.5 81.5

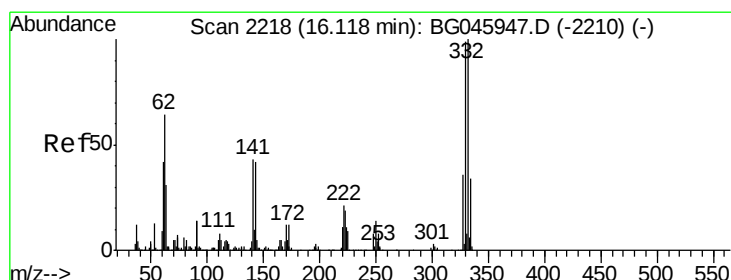
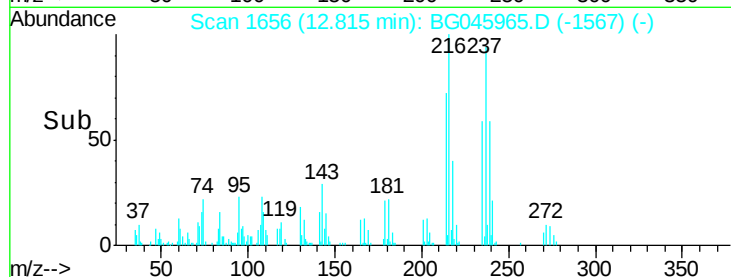
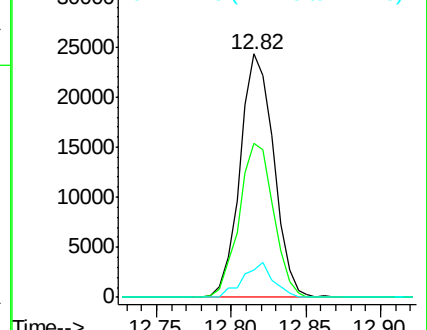
272 11.0 0.0 31.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 176.175 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

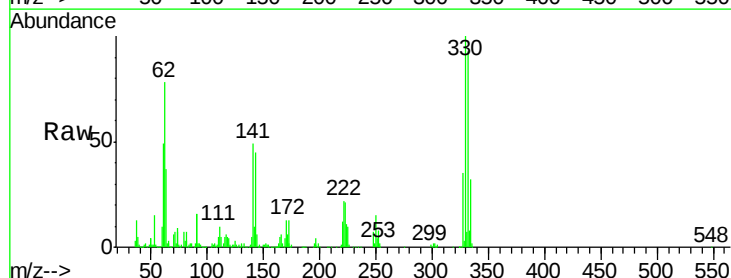
Tgt Ion:330 Resp: 469183

Ion Ratio Lower Upper

330 100

332 96.2 78.3 117.5

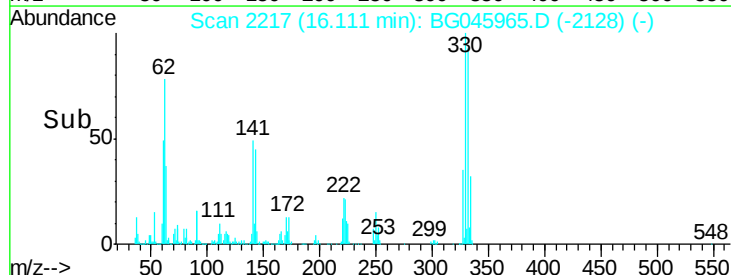
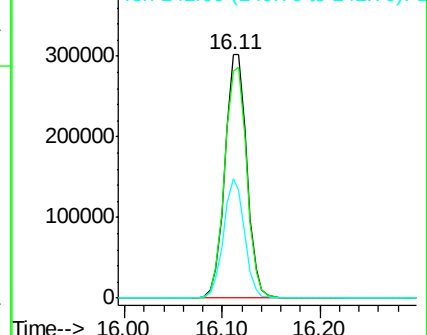
141 46.6 36.6 54.8

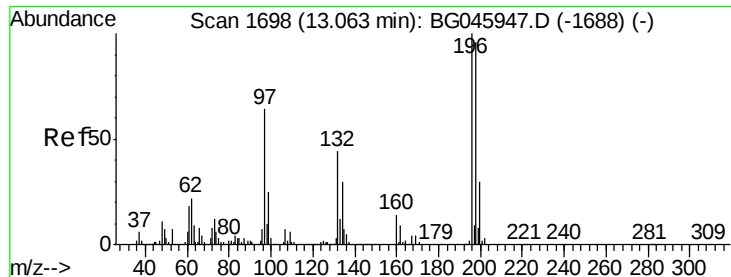


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

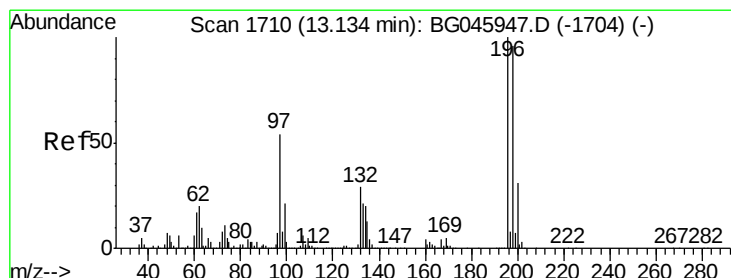
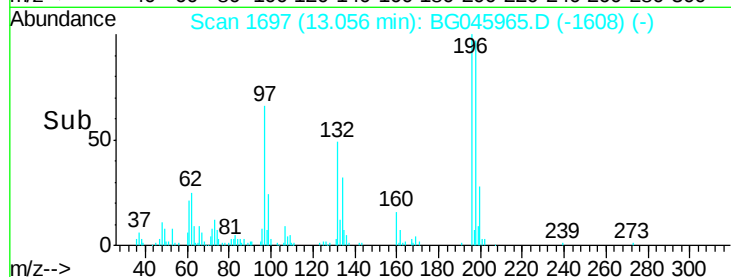
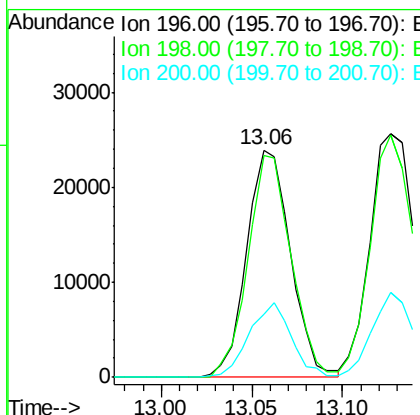
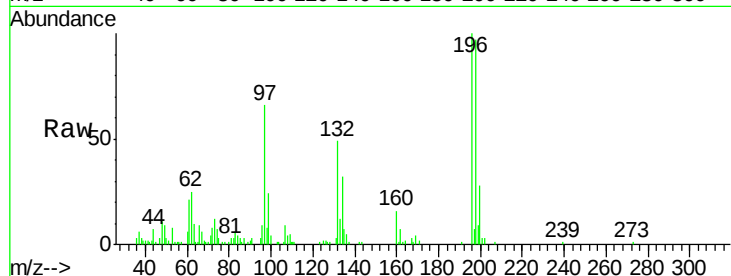




#43
2,4,6-Trichlorophenol
Concen: 7.362 ng
RT: 13.06 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

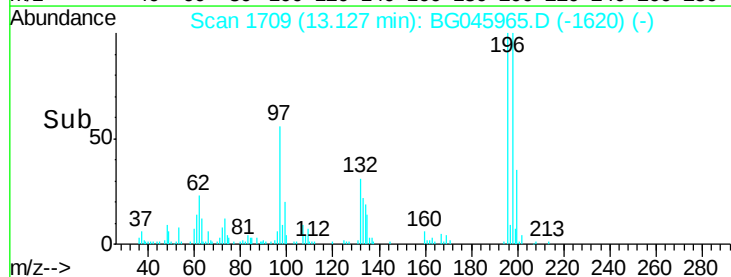
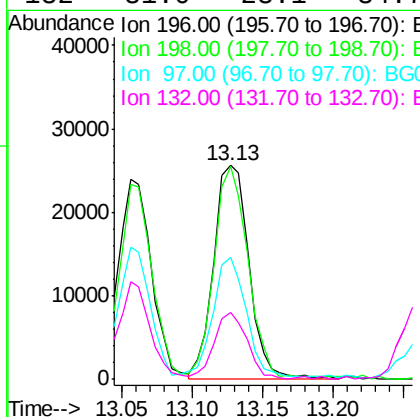
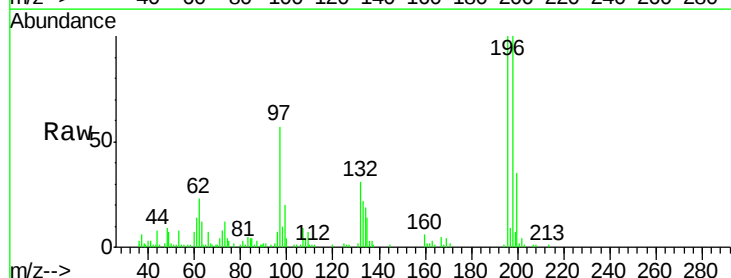
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

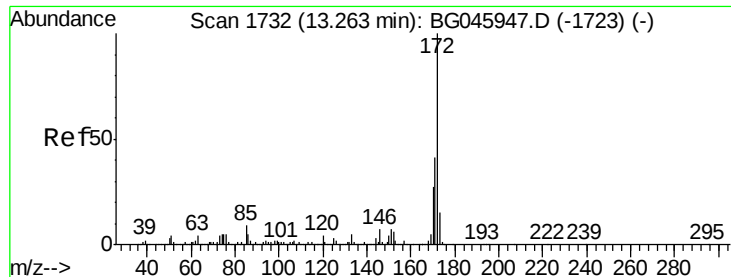
Tot Ion:196 Resp: 40272
Ion Ratio Lower Upper
196 100
198 97.5 76.7 115.1
200 27.9 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 7.233 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:196 Resp: 44735
Ion Ratio Lower Upper
196 100
198 99.7 77.0 115.6
97 57.0 44.3 66.5
132 31.0 23.1 34.7

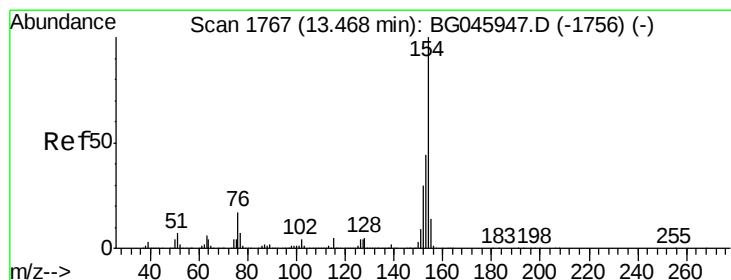
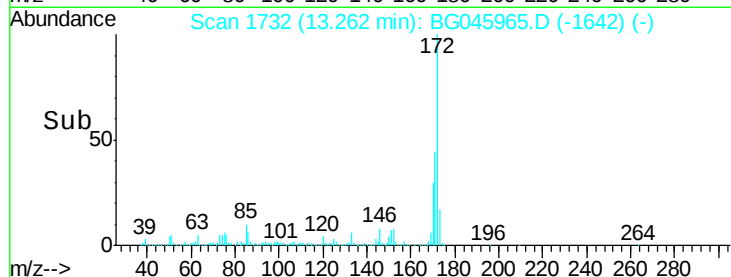
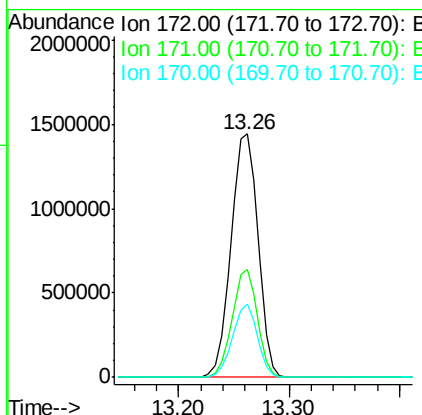
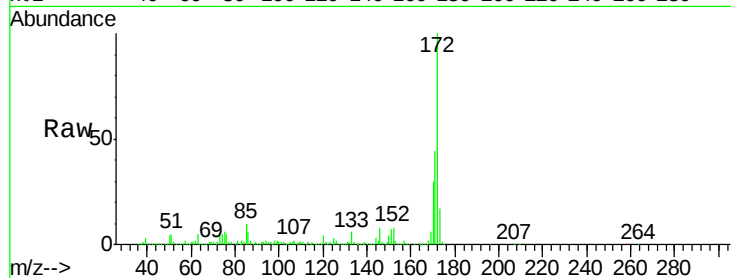




#45
2-Fluorobiphenyl
Concen: 134.511 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

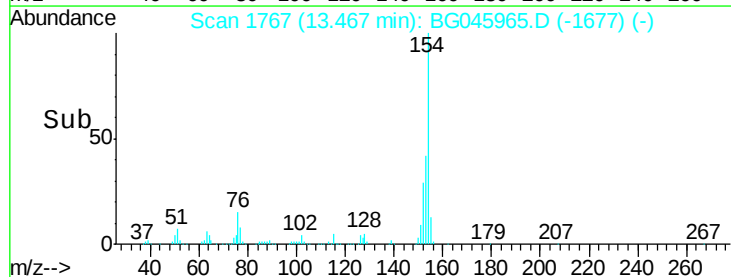
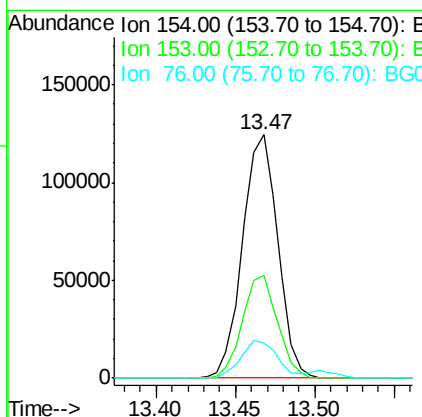
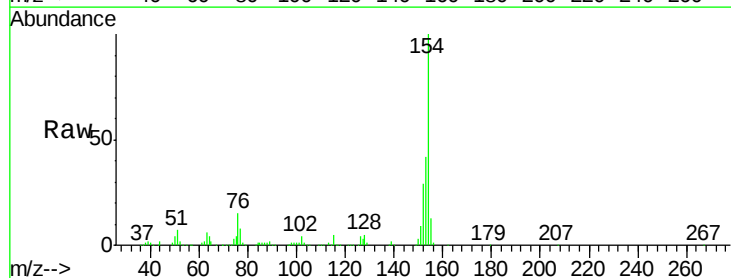
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

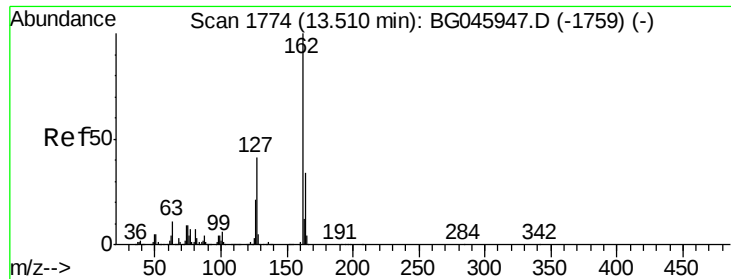
Tot Ion:172 Resp: 2474466
Ion Ratio Lower Upper
172 100
171 44.4 32.9 49.3
170 30.0 21.8 32.6



#46
1,1'-Biphenyl
Concen: 8.902 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:154 Resp: 192161
Ion Ratio Lower Upper
154 100
153 42.0 23.6 63.6
76 14.5 0.0 36.9

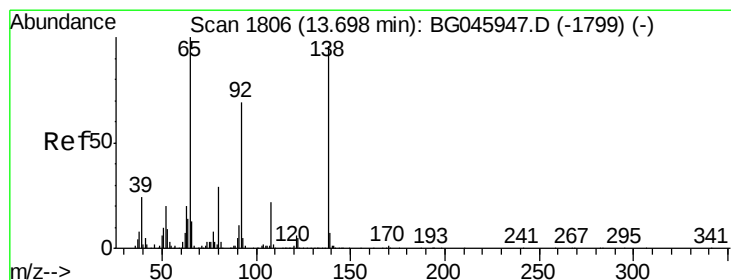
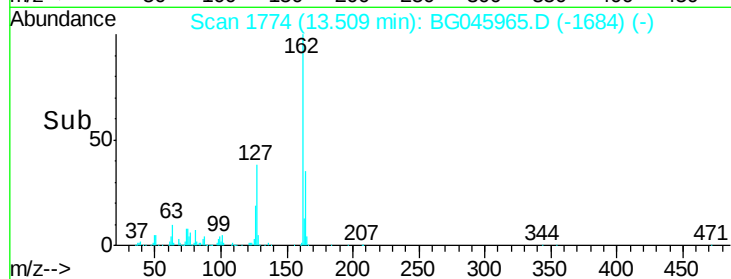
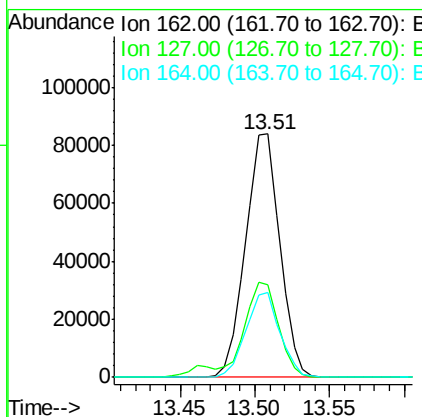
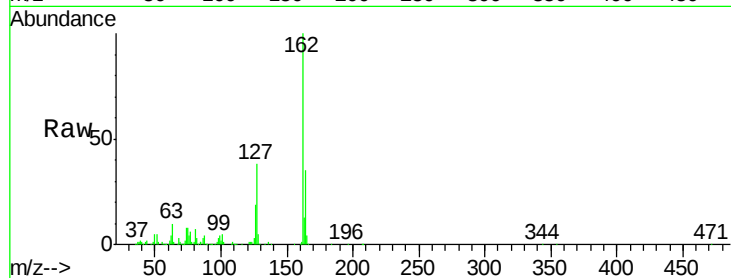




#47
 2-Chloronaphthalene
 Concen: 7.839 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

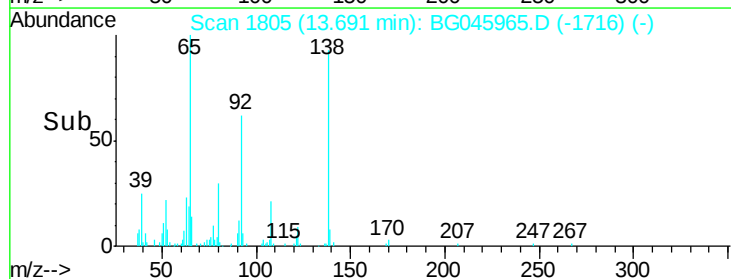
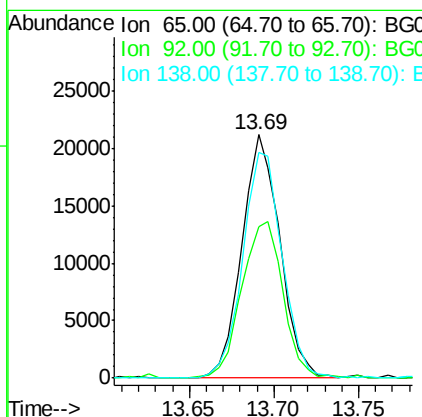
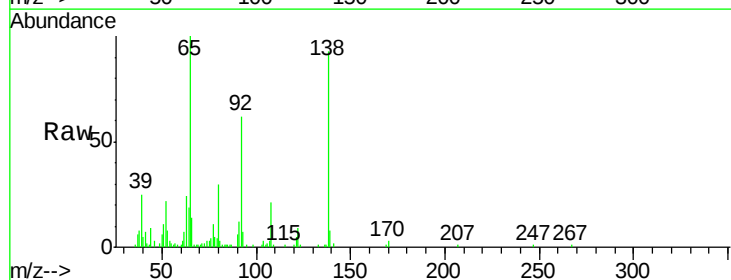
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

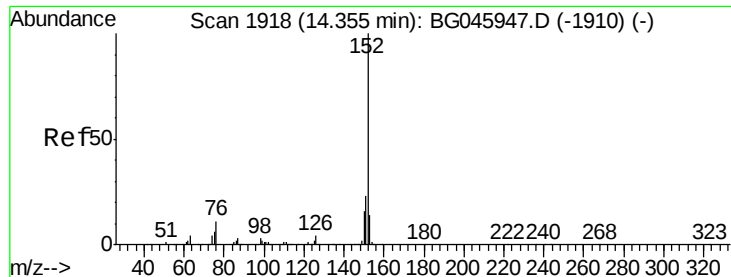
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.8	32.5	48.7
164	34.8	27.2	40.8



#48
 2-Nitroaniline
 Concen: 8.328 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.4	55.4	83.0
138	92.9	77.0	115.4





#49

Acenaphthylene

Concen: 8.395 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

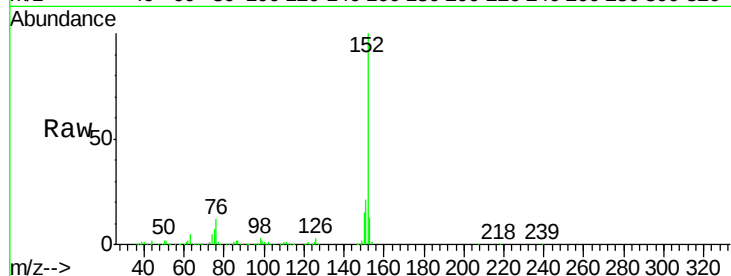
Tot Ion:152 Resp: 230678

Ion Ratio Lower Upper

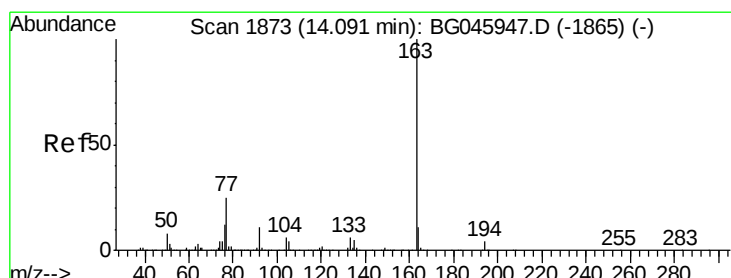
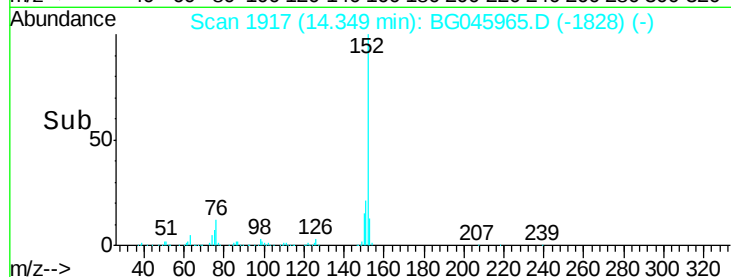
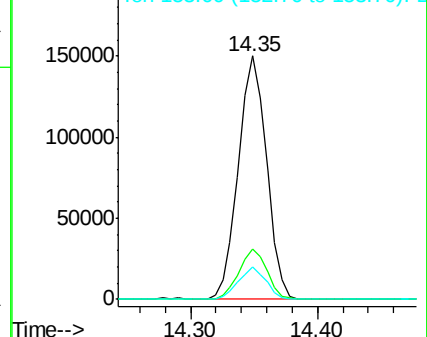
152 100

151 20.5 18.1 27.1

153 13.3 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: 7.774 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

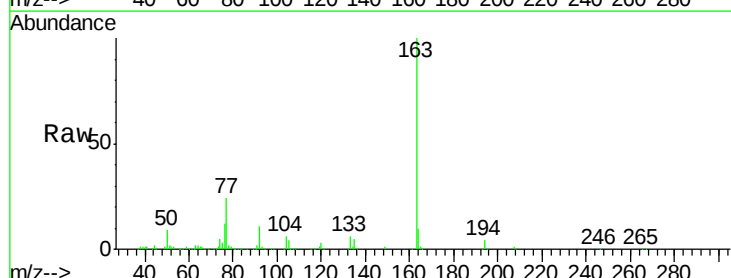
Tgt Ion:163 Resp: 167420

Ion Ratio Lower Upper

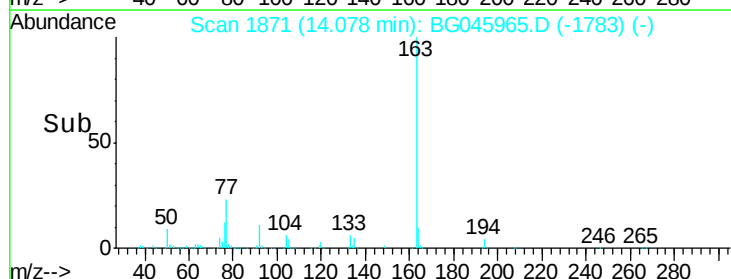
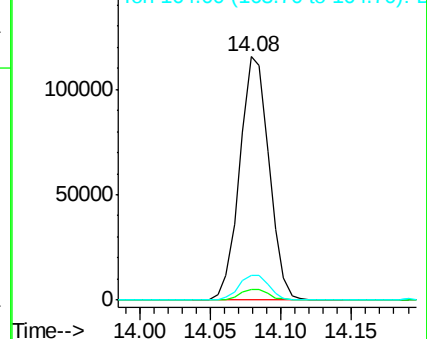
163 100

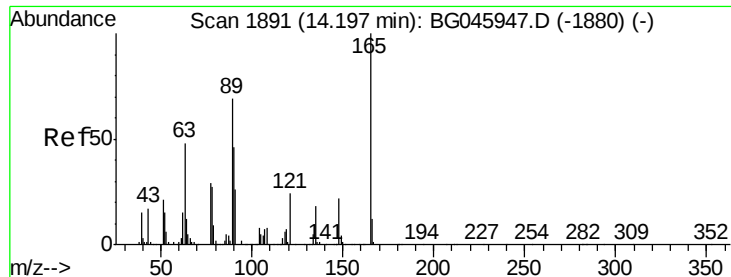
194 4.2 3.6 5.4

164 10.2 8.9 13.3



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

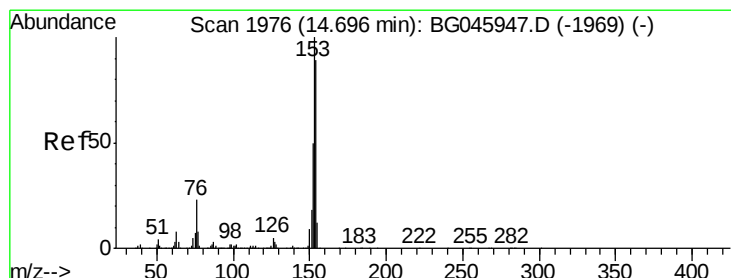
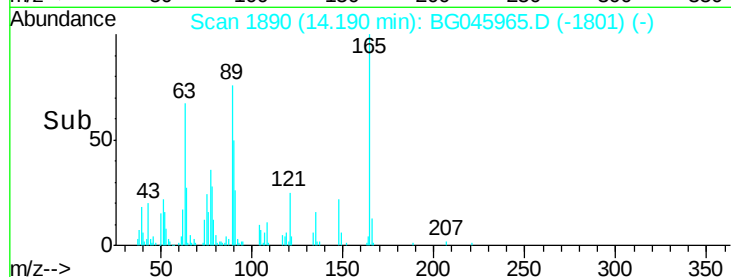
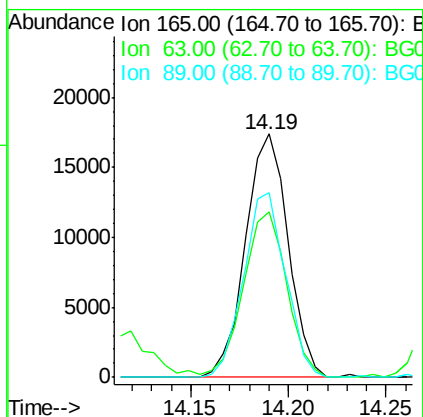
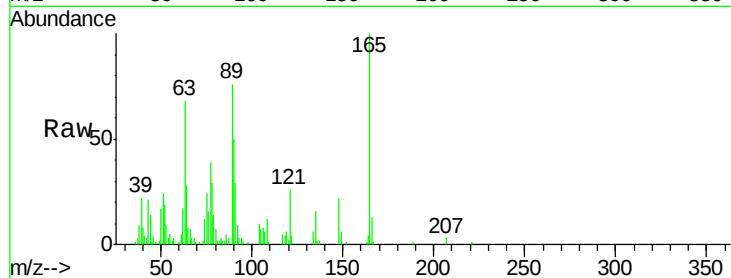




#51
2,6-Dinitrotoluene
Concen: 7.861 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

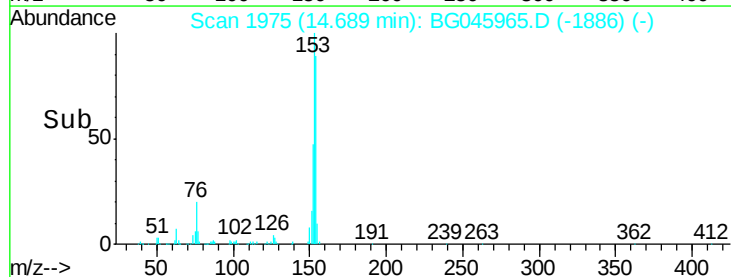
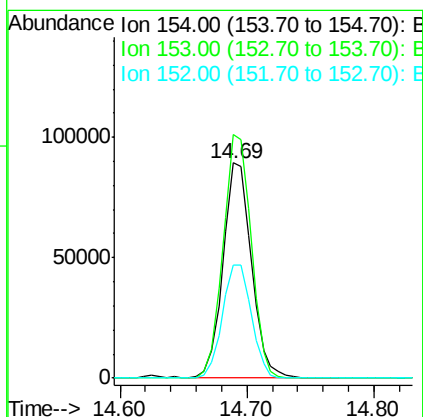
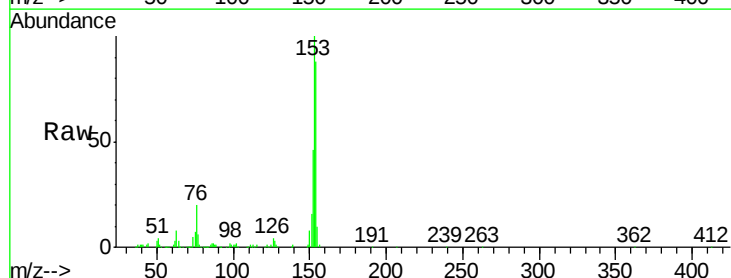
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

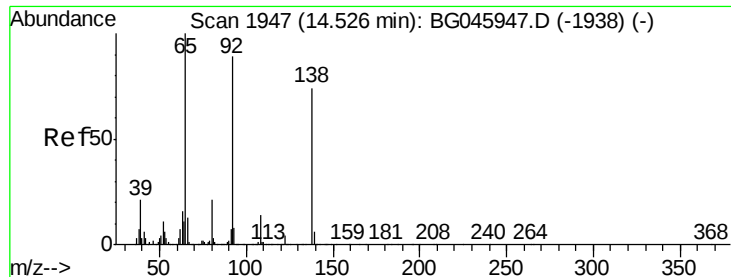
Tot Ion:165 Resp: 26268
Ion Ratio Lower Upper
165 100
63 67.8 51.0 76.4
89 75.7 55.7 83.5



#52
Acenaphthene
Concen: 8.006 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:154 Resp: 138757
Ion Ratio Lower Upper
154 100
153 113.1 89.7 134.5
152 52.5 44.7 67.1

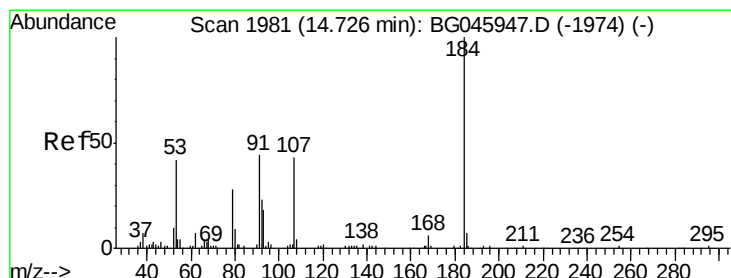
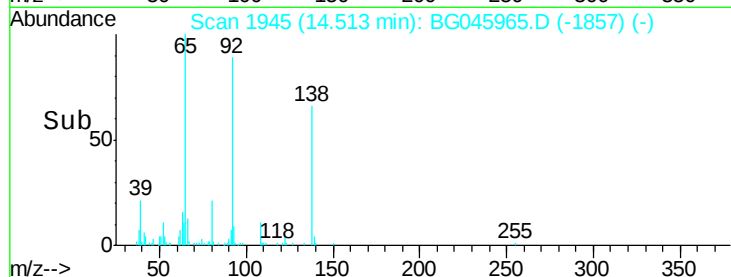
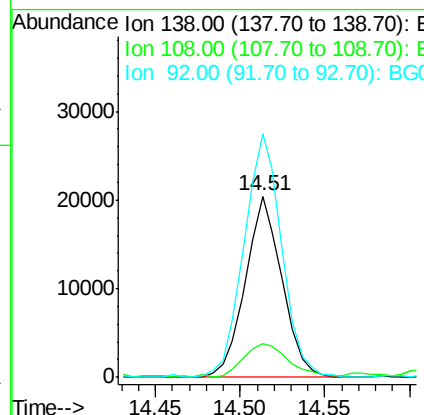
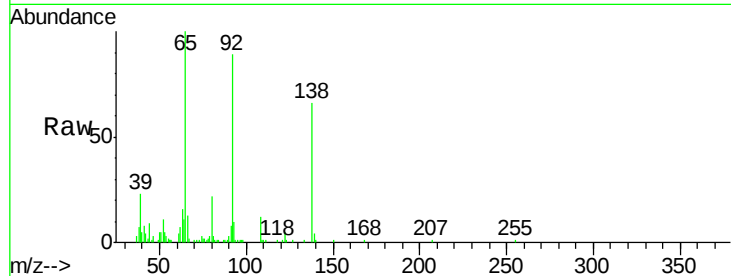




#53
3-Nitroaniline
Concen: 7.407 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

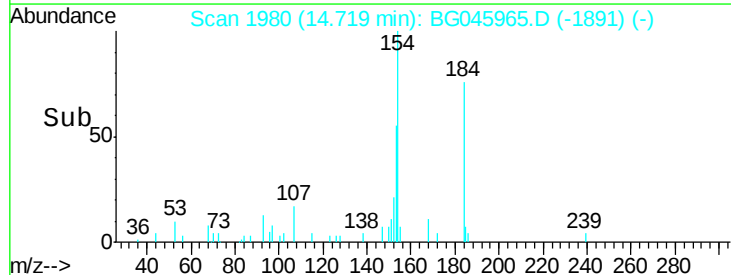
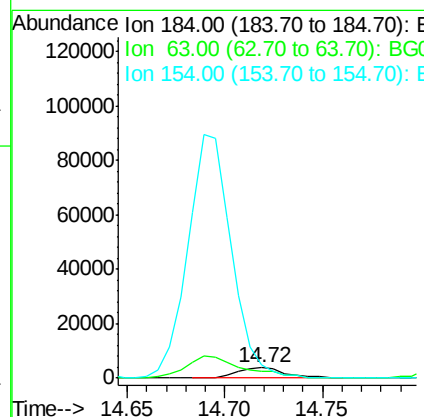
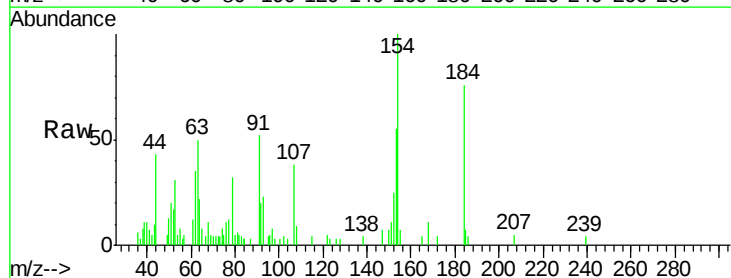
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

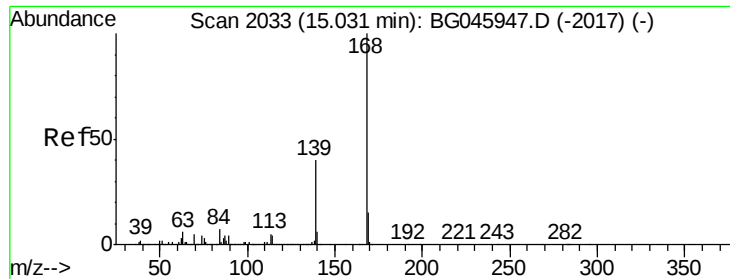
Tot Ion:138 Resp: 30669
Ion Ratio Lower Upper
138 100
108 18.4 15.4 23.2
92 134.6 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 5.272 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:184 Resp: 6214
Ion Ratio Lower Upper
184 100
63 65.3 46.0 69.0
154 131.6 58.2 87.2#

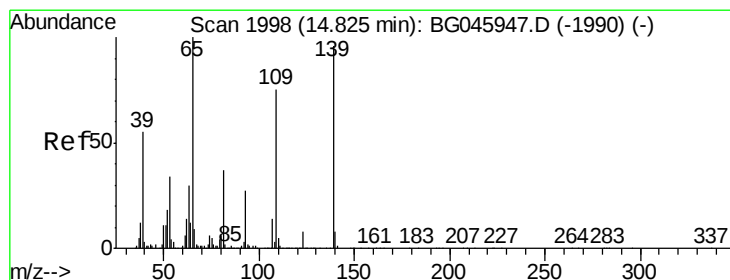
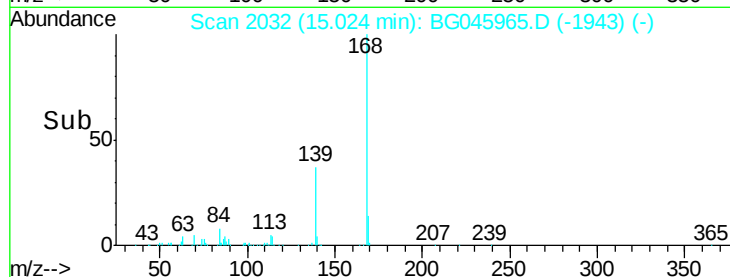
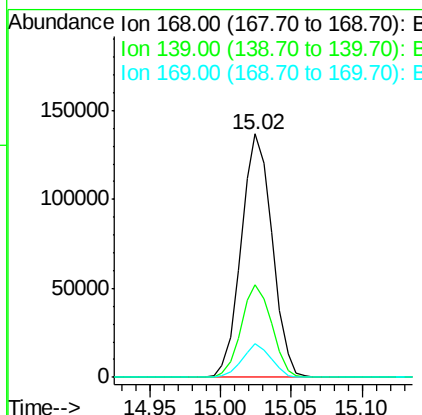
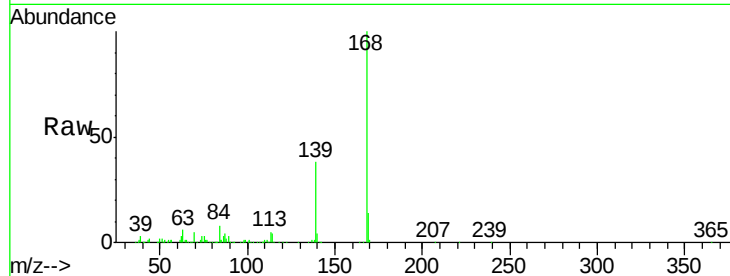




#55
Dibenzofuran
Concen: 8.263 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

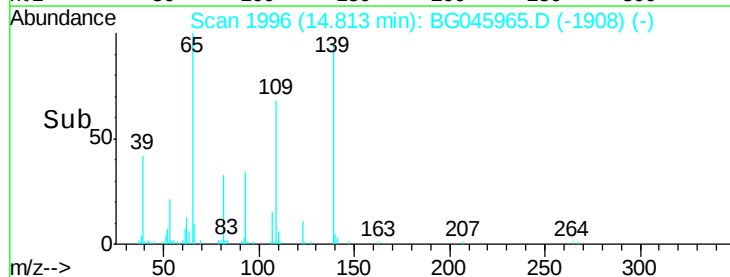
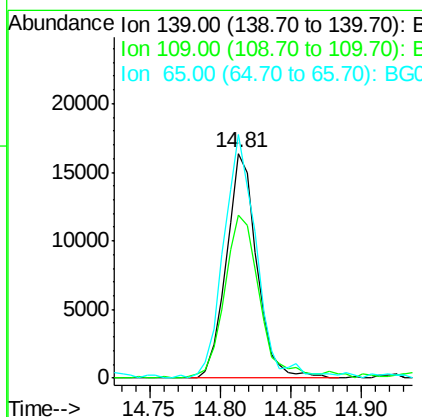
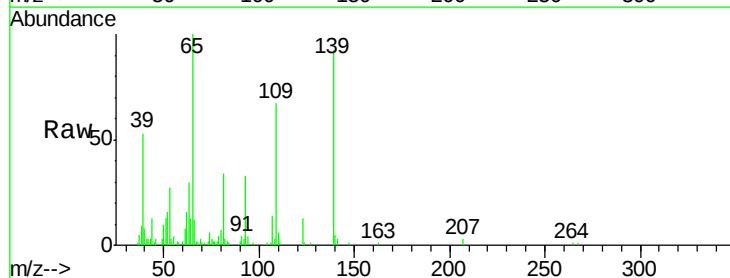
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

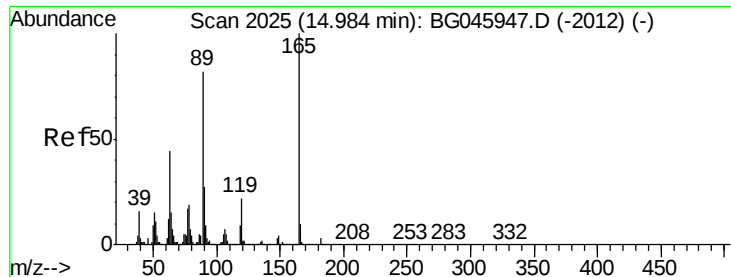
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	32.2	48.2
169	13.8	11.8	17.8



#56
4-Nitrophenol
Concen: 6.992 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.5	58.5	98.5
65	108.4	84.7	124.7

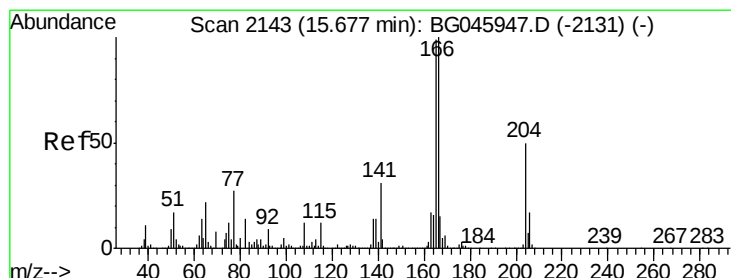
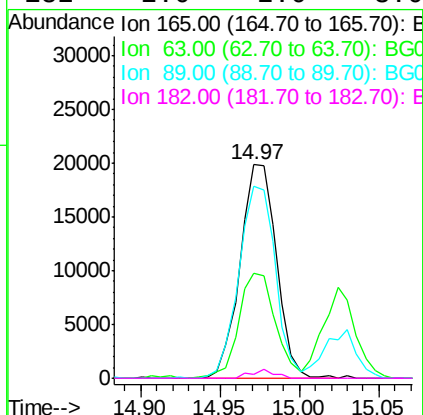
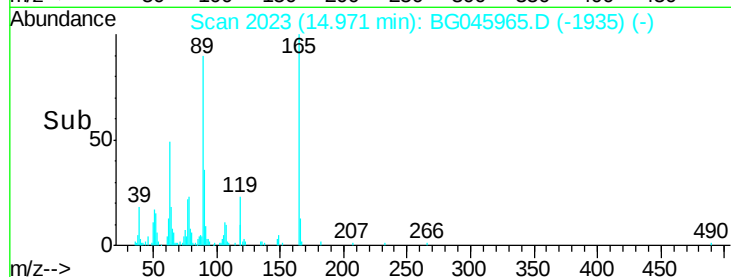
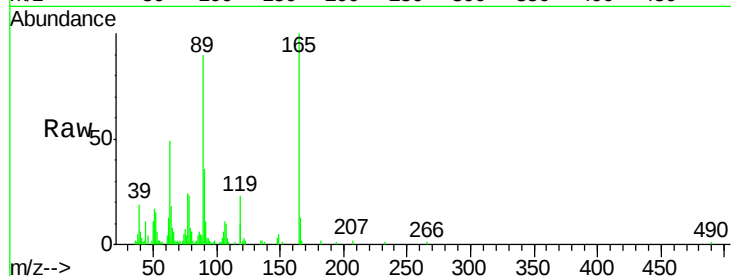




#57
2,4-Dinitrotoluene
Concen: 7.656 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

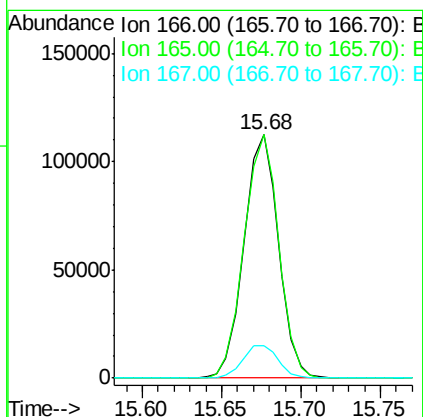
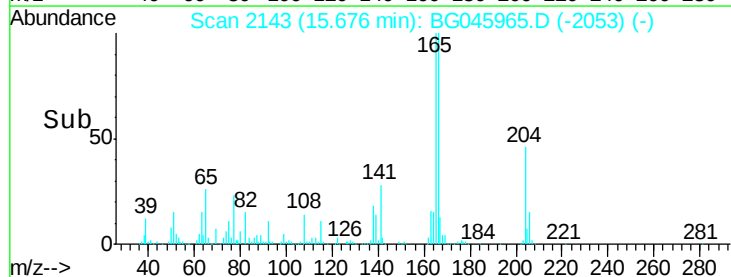
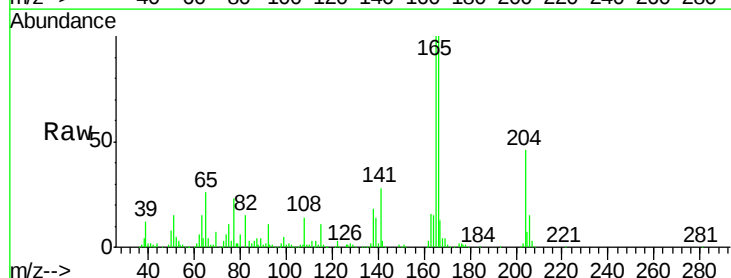
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

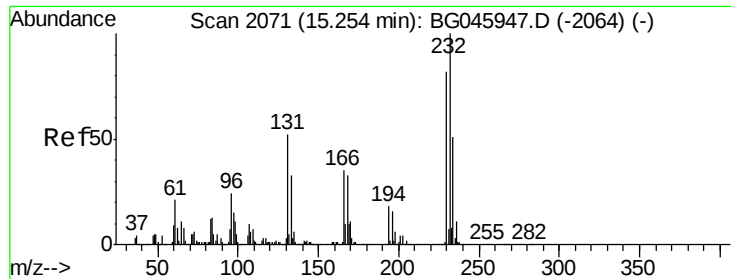
Tot Ion:165 Resp: 31610
Ion Ratio Lower Upper
165 100
63 49.0 35.4 53.0
89 90.0 65.4 98.2
182 2.0 2.0 3.0



#58
Fluorene
Concen: 8.143 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:166 Resp: 169712
Ion Ratio Lower Upper
166 100
165 100.1 78.9 118.3
167 13.4 12.1 18.1

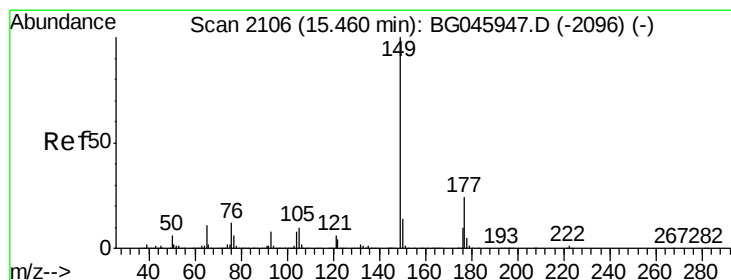
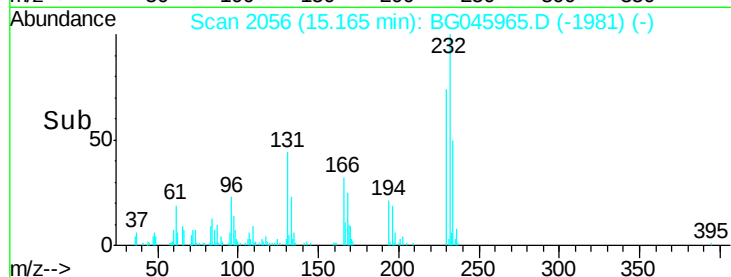
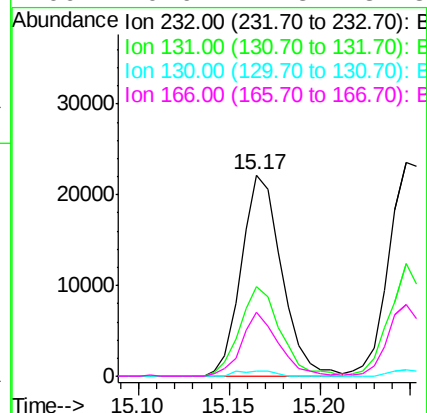
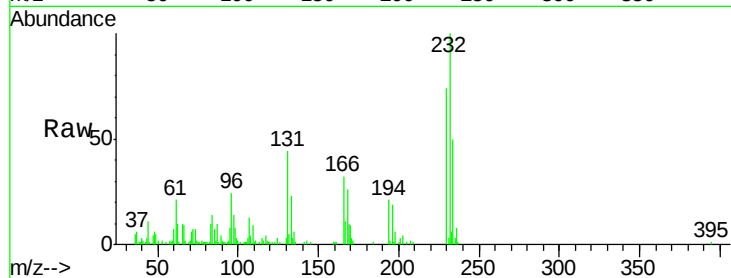




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.221 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. -0.09 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

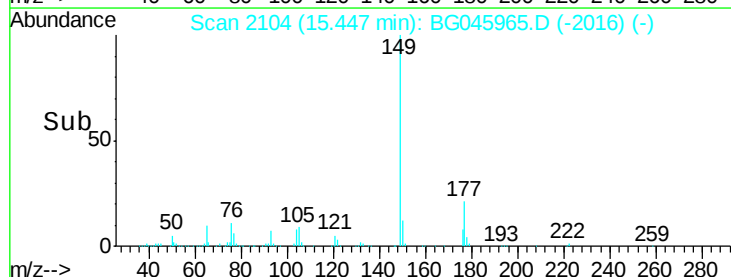
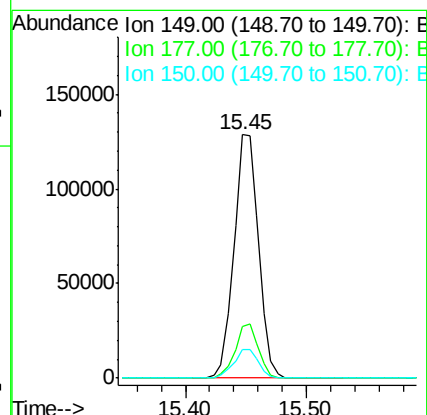
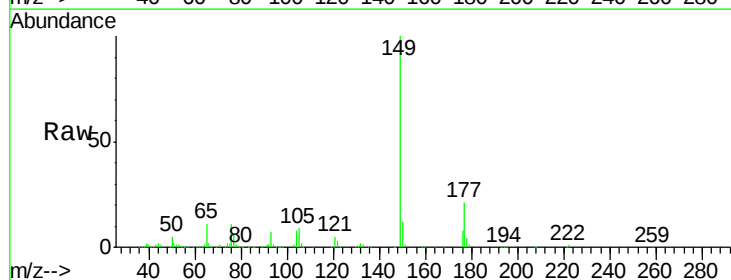
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

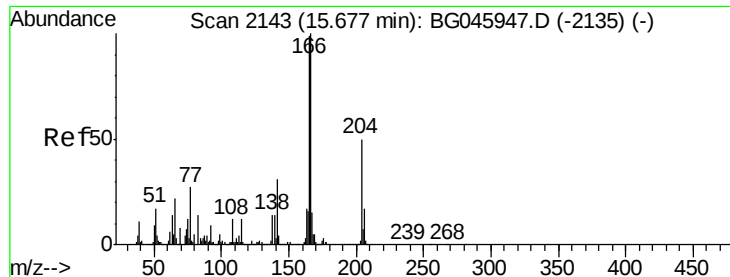
Tot Ion:	232	Resp:	34486
Ion	Ratio	Lower	Upper
232	100		
131	44.8	35.8	53.6
130	2.6	2.5	3.7
166	29.6	21.8	32.8



#60
 Diethylphthalate
 Concen: 8.007 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion:	149	Resp:	180835
Ion	Ratio	Lower	Upper
149	100		
177	21.3	19.0	28.4
150	11.8	11.0	16.4

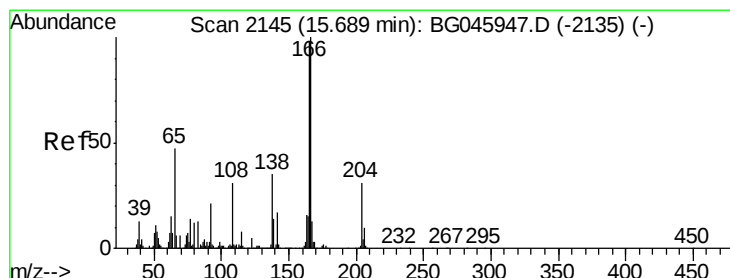
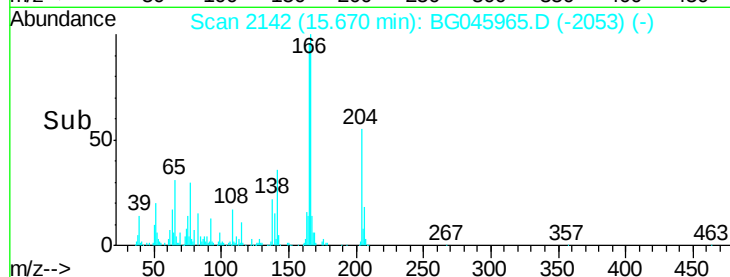
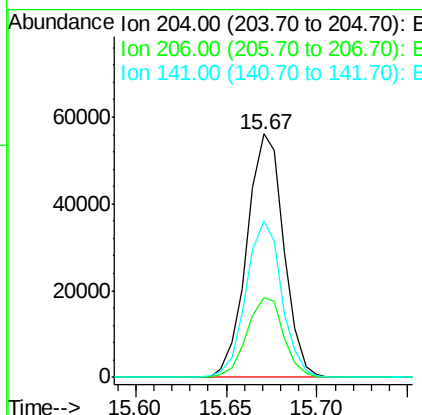
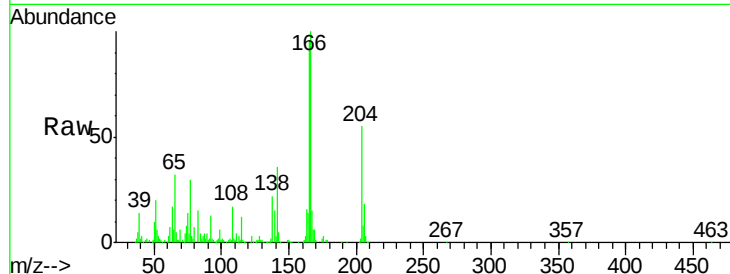




#61
4-Chlorophenyl-phenylether
Concen: 7.661 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

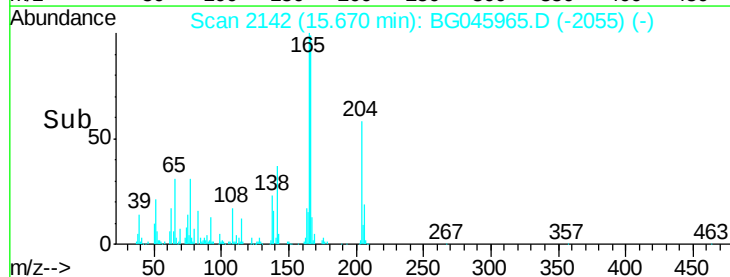
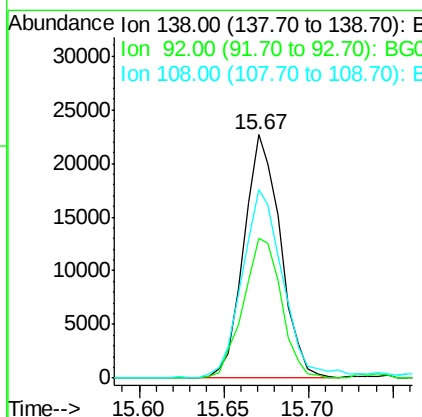
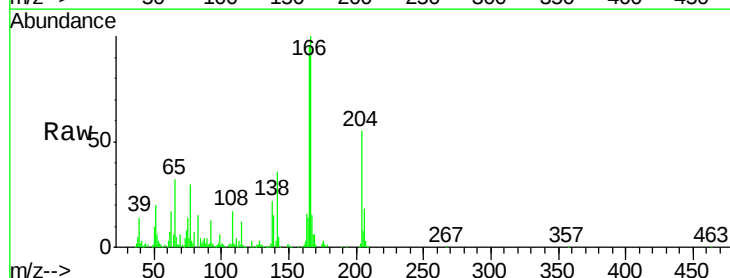
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

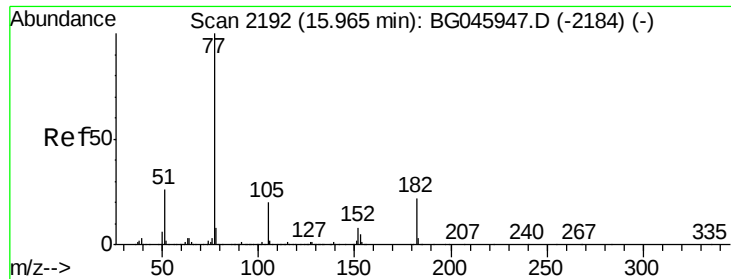
Tot Ion:204 Resp: 79443
Ion Ratio Lower Upper
204 100
206 32.6 27.1 40.7
141 64.2 49.8 74.8



#62
4-Nitroaniline
Concen: 7.678 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:138 Resp: 34171
Ion Ratio Lower Upper
138 100
92 57.5 40.3 80.3
108 77.3 68.0 108.0





#63

Azobenzene

Concen: 8.340 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 77 Resp: 202159

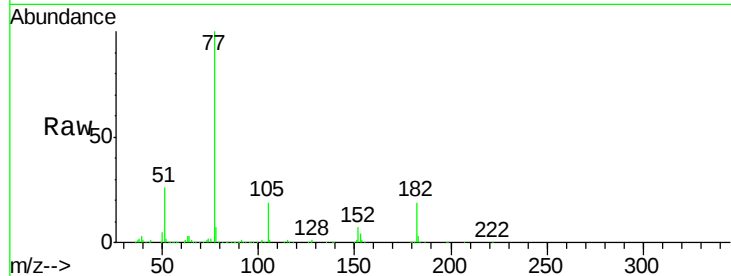
Ion Ratio Lower Upper

77 100

182 19.4 2.4 42.4

105 18.9 0.3 40.3

51 26.1 6.3 46.3

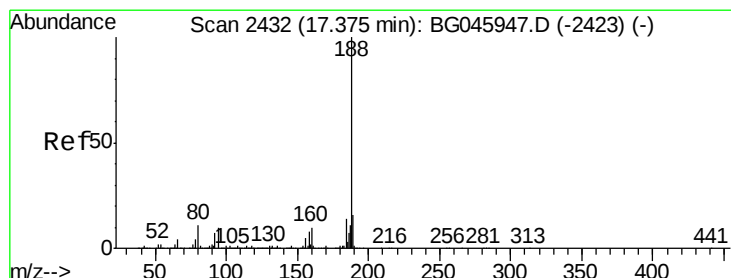
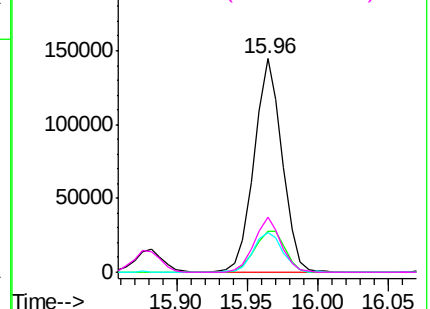
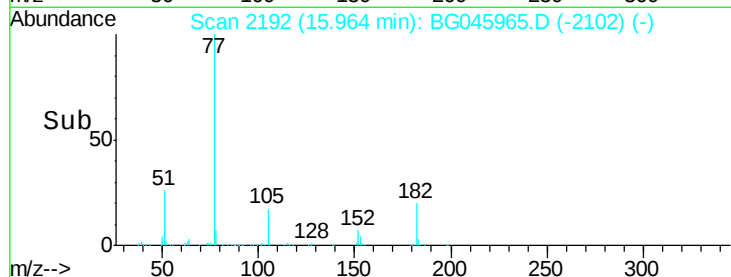


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

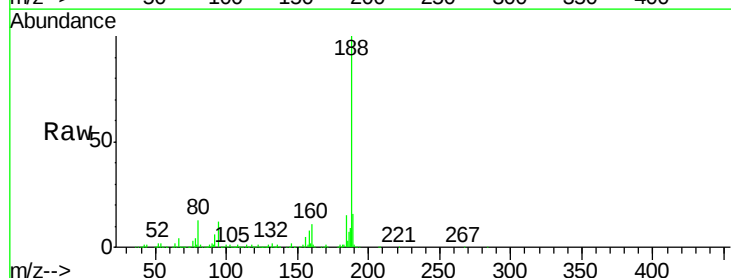
Tgt Ion: 188 Resp: 590470

Ion Ratio Lower Upper

188 100

94 11.5 8.2 12.4

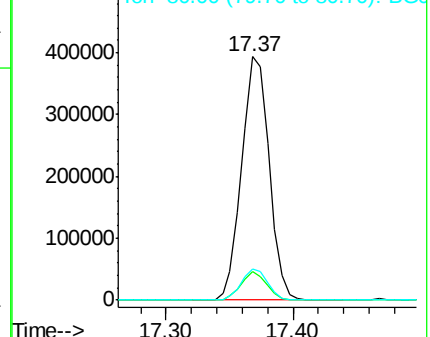
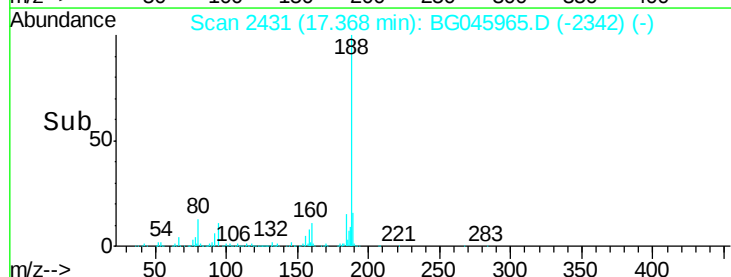
80 12.7 9.0 13.6

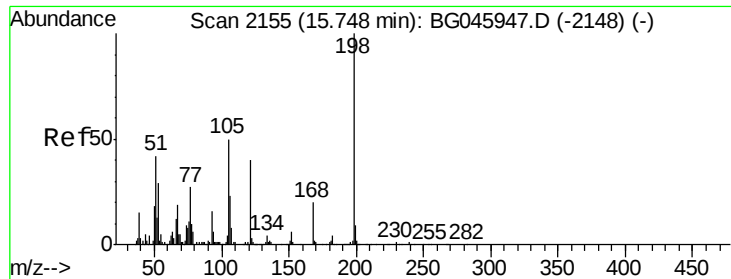


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 6.151 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

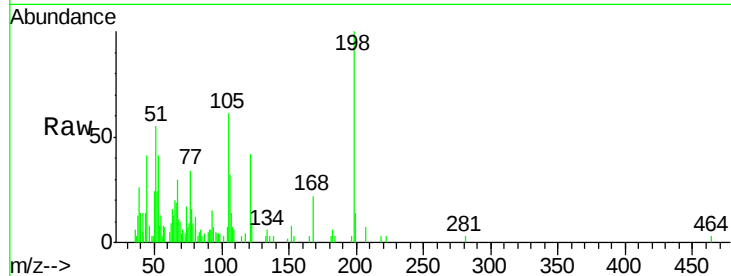
Tot Ion:198 Resp: 10638

Ion Ratio Lower Upper

198 100

51 54.5 24.5 64.5

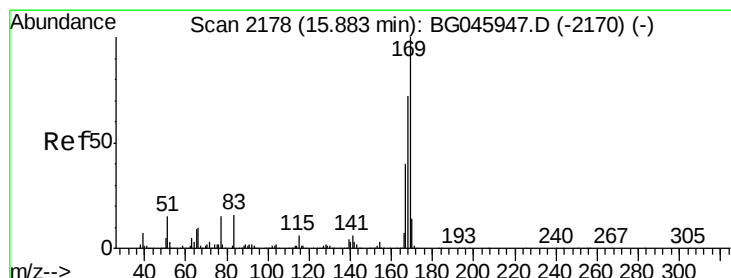
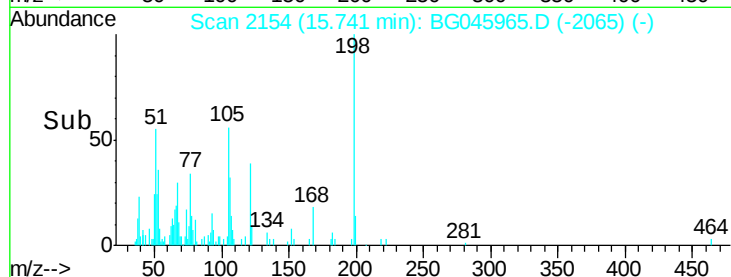
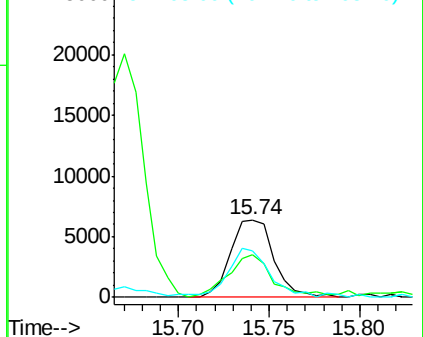
105 60.6 30.9 70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG045947.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.044 ng

RT: 15.88 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

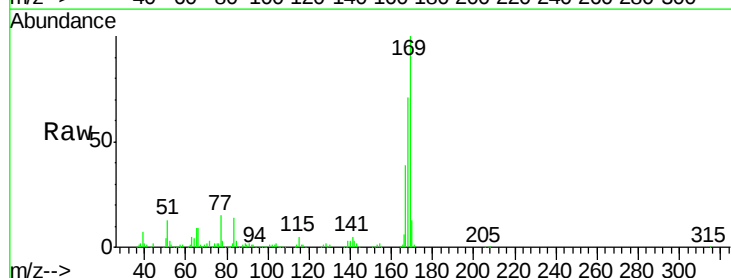
Tgt Ion:169 Resp: 147190

Ion Ratio Lower Upper

169 100

168 70.6 57.3 85.9

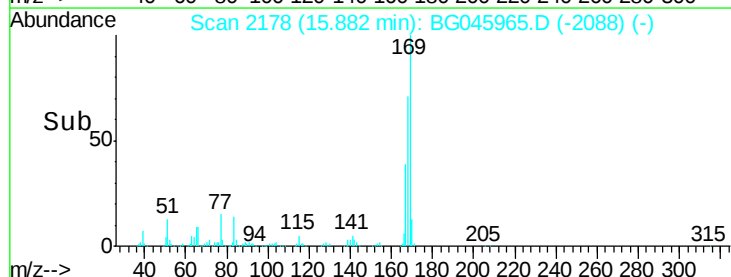
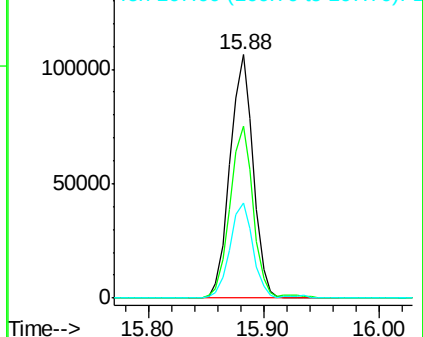
167 38.8 32.1 48.1

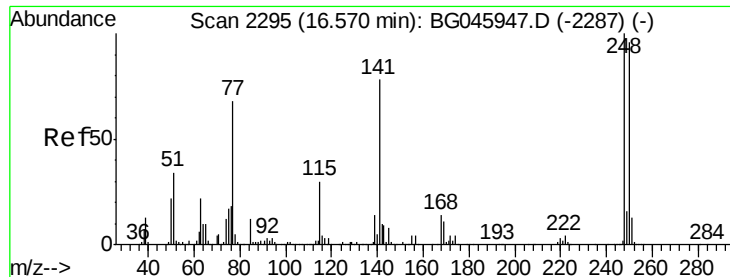


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

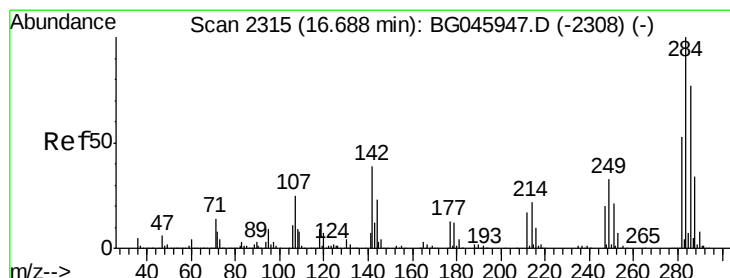
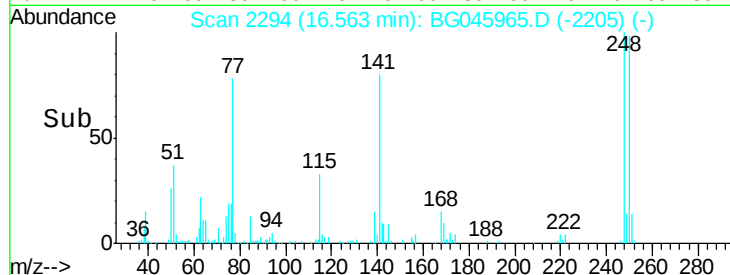
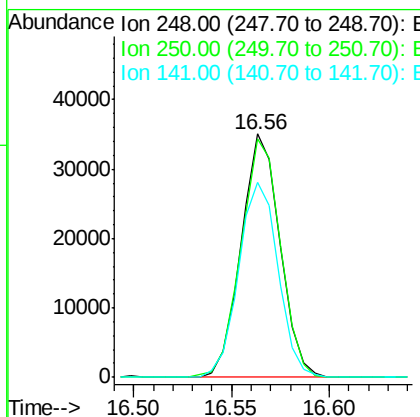
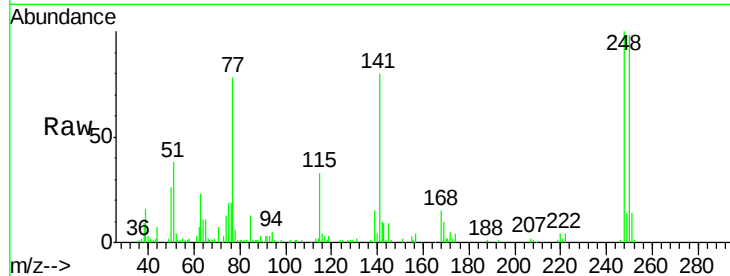




#67
4-Bromophenyl-phenylether
Concen: 7.282 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

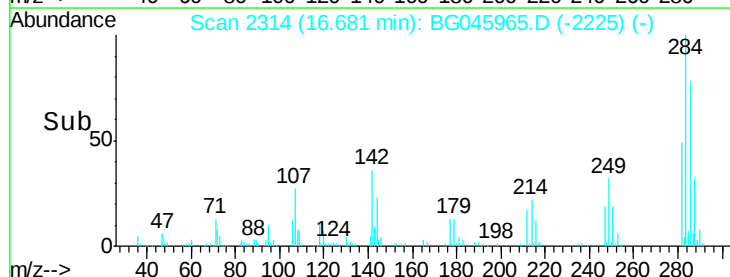
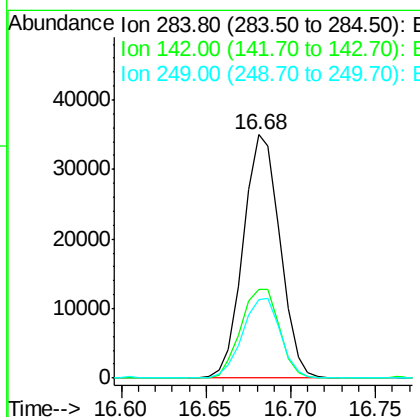
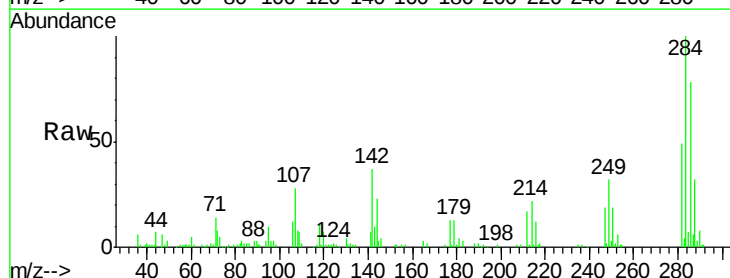
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:248 Resp: 48026
Ion Ratio Lower Upper
248 100
250 98.2 76.6 114.8
141 80.0 62.7 94.1



#68
Hexachlorobenzene
Concen: 7.997 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:284 Resp: 52923
Ion Ratio Lower Upper
284 100
142 36.5 31.3 46.9
249 32.3 26.8 40.2

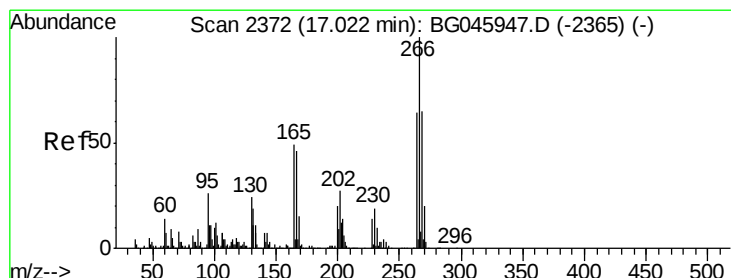
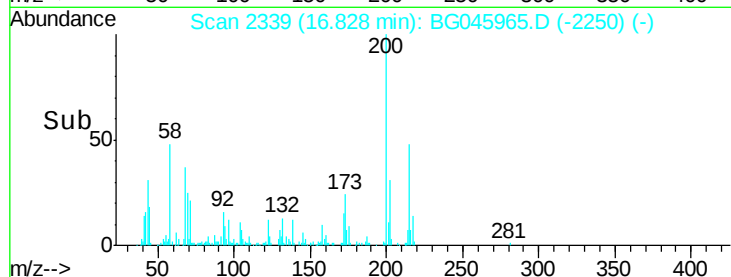
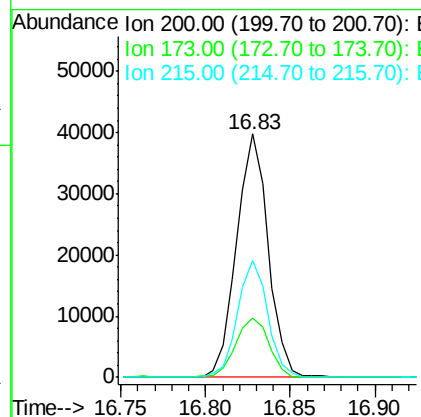
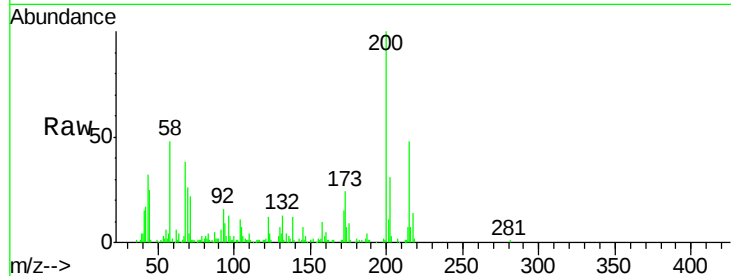




#69
 Atrazine
 Concen: 9.540 ng
 RT: 16.83 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

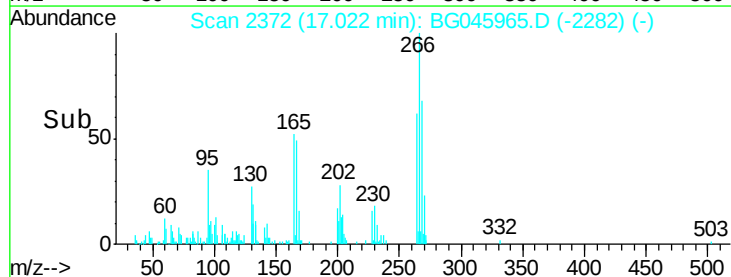
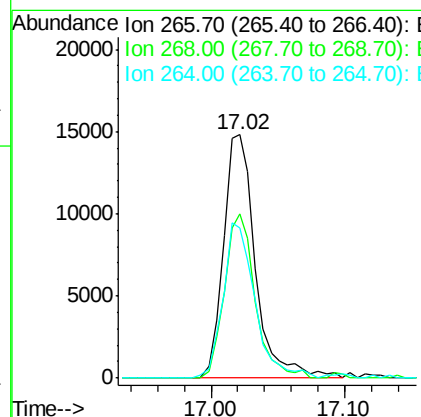
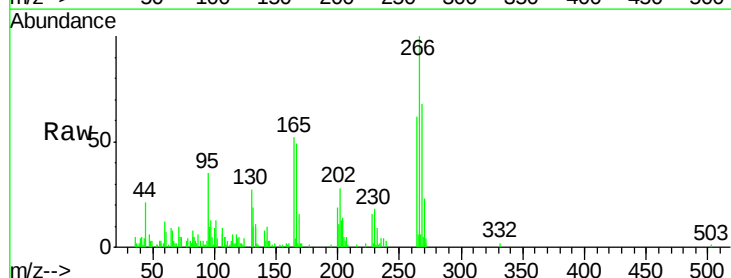
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

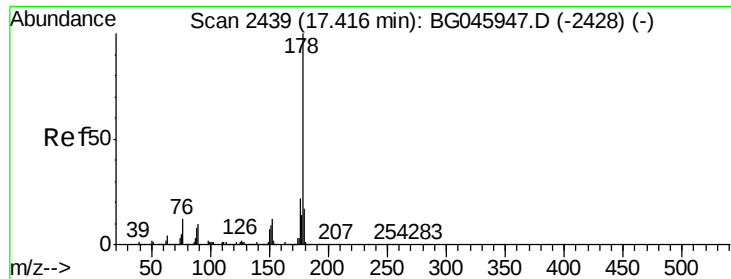
Tot Ion	Ratio	Lower	Upper
200	100		
173	24.5	9.1	49.1
215	48.0	28.8	68.8



#70
 Pentachlorophenol
 Concen: 6.761 ng
 RT: 17.02 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.7	51.8	77.8
264	61.9	51.4	77.0

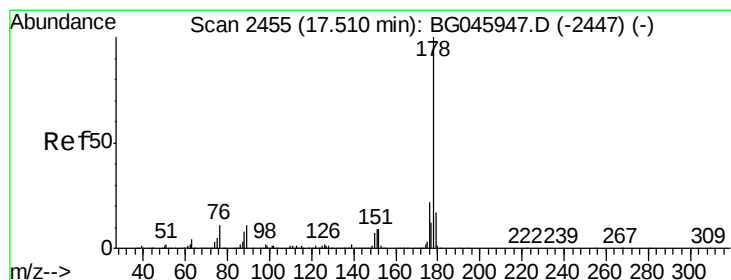
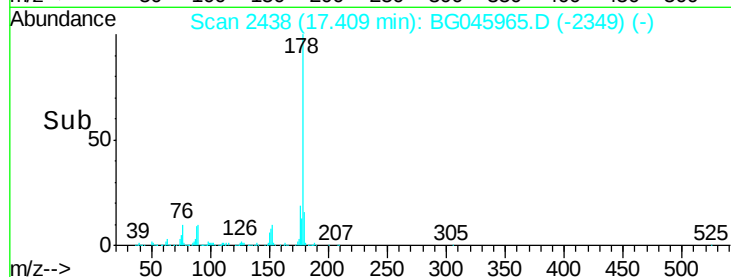
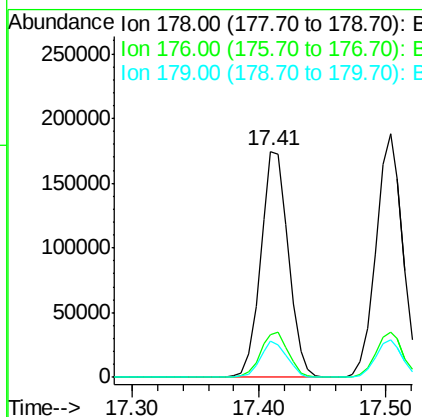
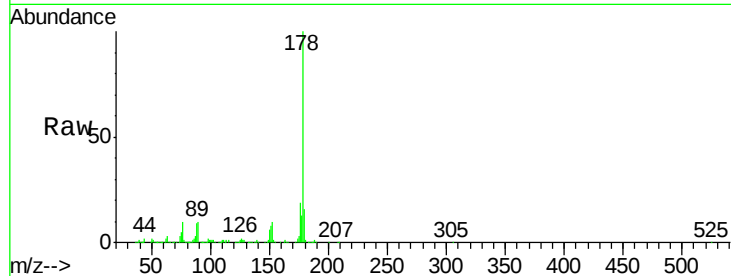




#71
Phenanthrene
Concen: 8.470 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

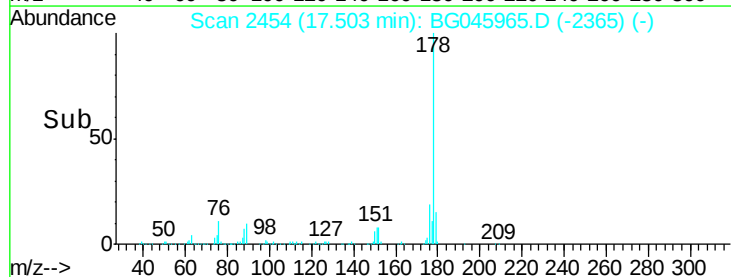
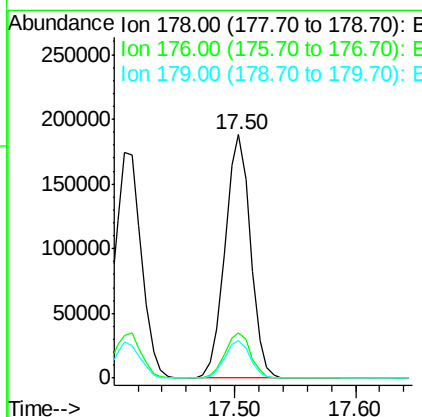
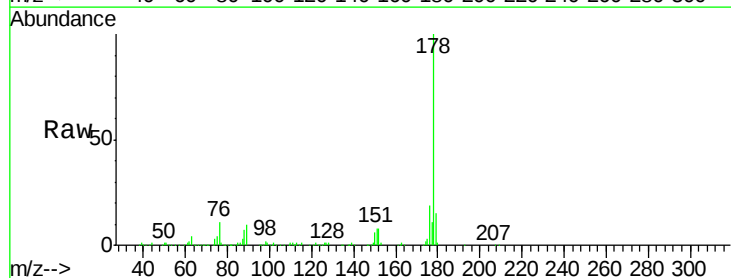
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

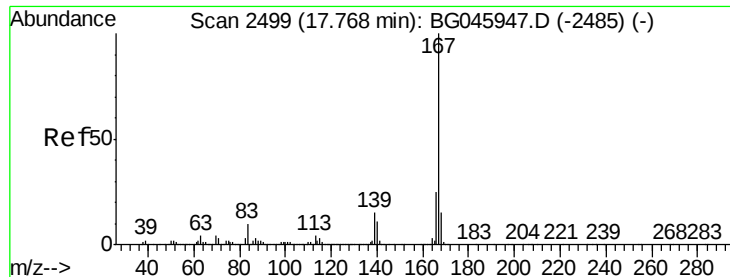
Tot Ion:178 Resp: 264414
Ion Ratio Lower Upper
178 100
176 19.0 17.4 26.2
179 16.1 13.4 20.2



#72
Anthracene
Concen: 8.672 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:178 Resp: 274710
Ion Ratio Lower Upper
178 100
176 18.8 17.2 25.8
179 15.2 14.0 21.0





#73

Carbazole

Concen: 8.060 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

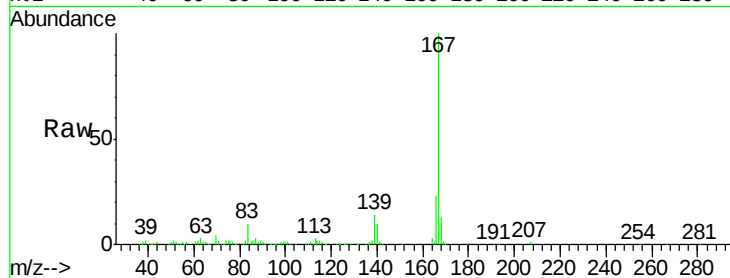
Tot Ion:167 Resp: 255936

Ion Ratio Lower Upper

167 100

166 22.6 20.4 30.6

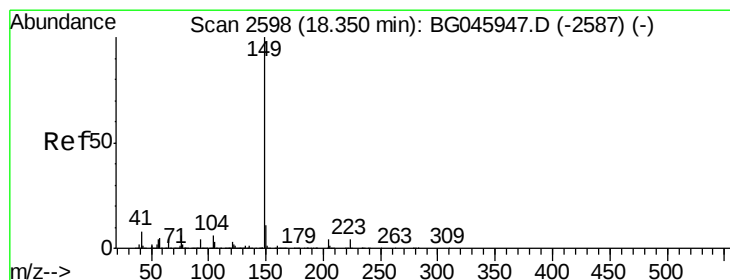
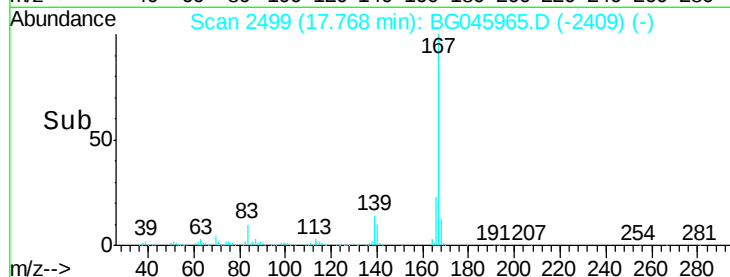
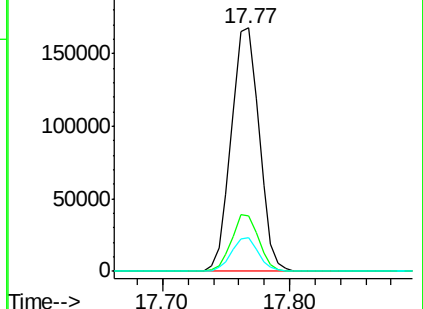
139 13.6 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.223 ng

RT: 18.35 min Scan# 2598

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

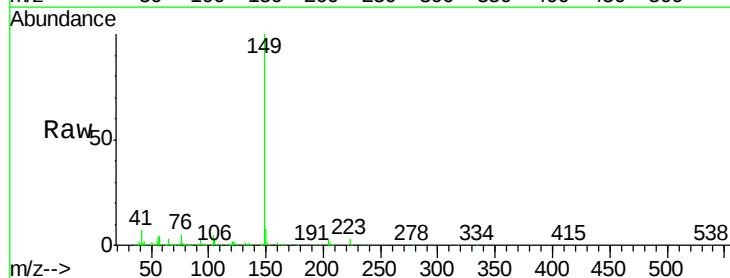
Tgt Ion:149 Resp: 315531

Ion Ratio Lower Upper

149 100

150 8.4 9.0 13.4#

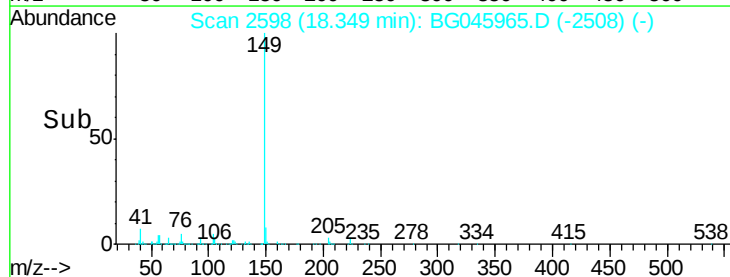
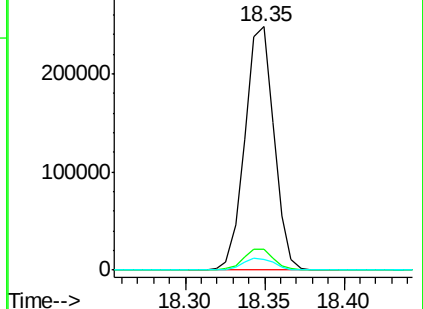
104 4.5 5.2 7.8#

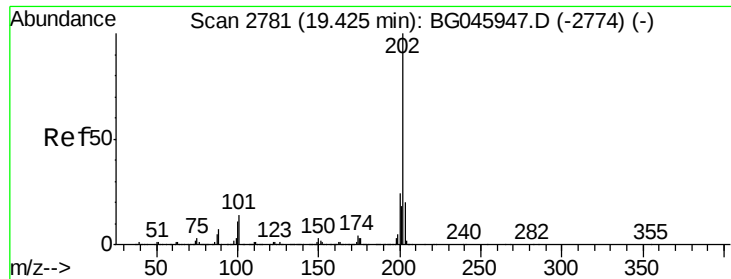


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.590 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

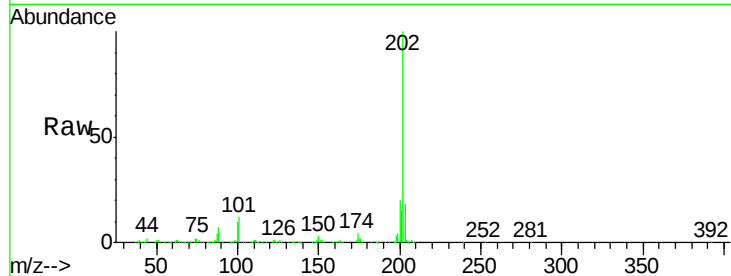
Tot Ion:202 Resp: 310002

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.8

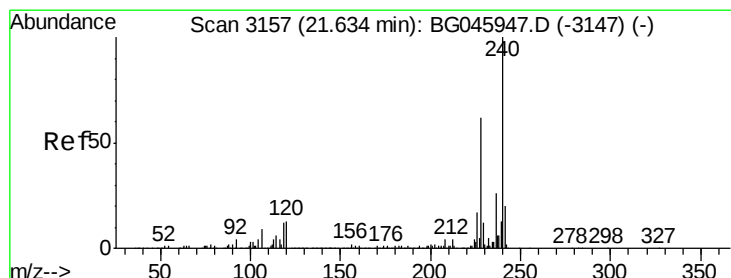
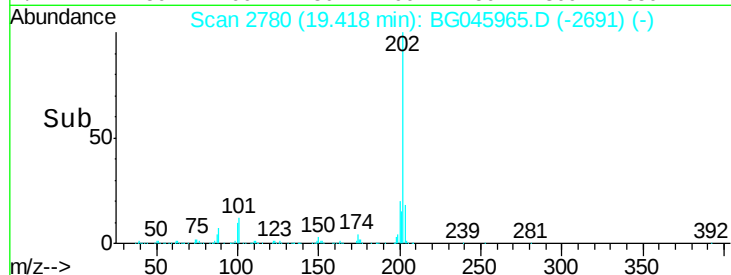
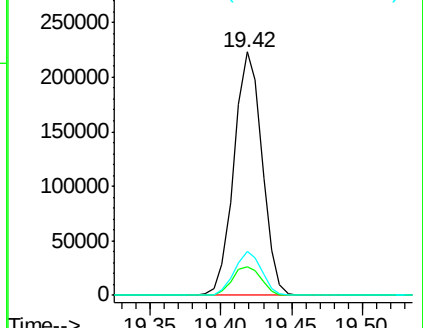
203 18.1 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

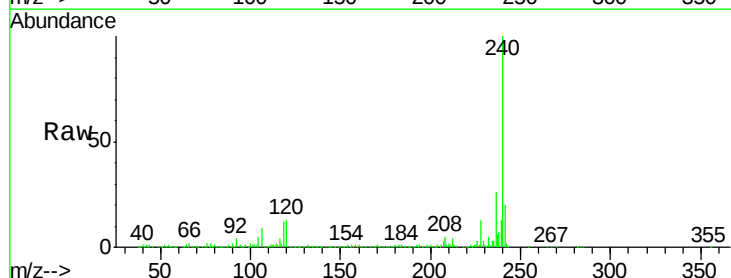
Tgt Ion:240 Resp: 559376

Ion Ratio Lower Upper

240 100

120 12.9 10.6 16.0

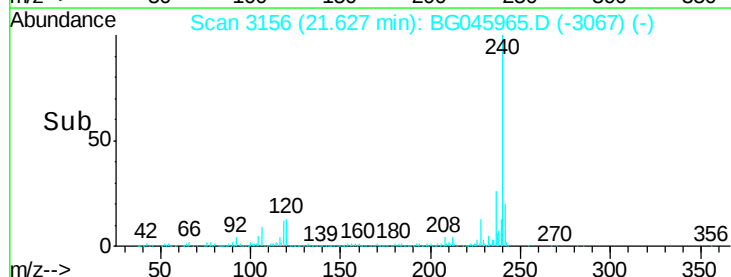
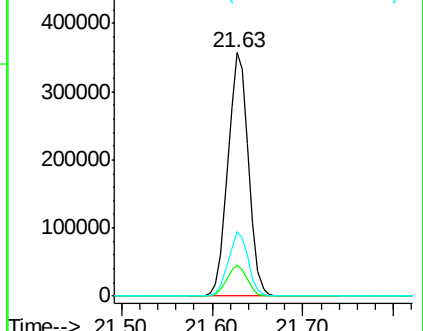
236 26.4 20.4 30.6

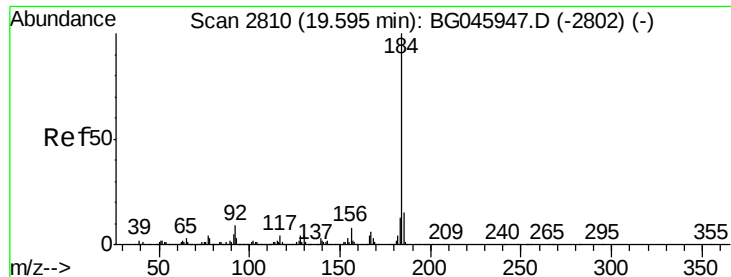


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

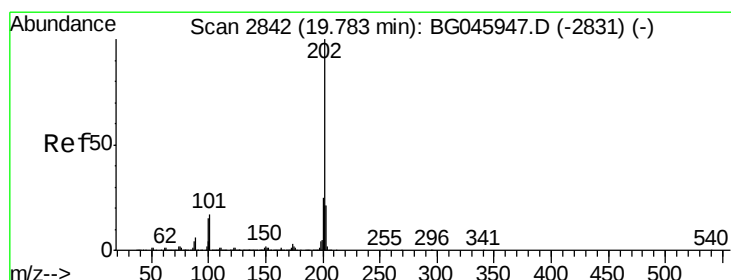
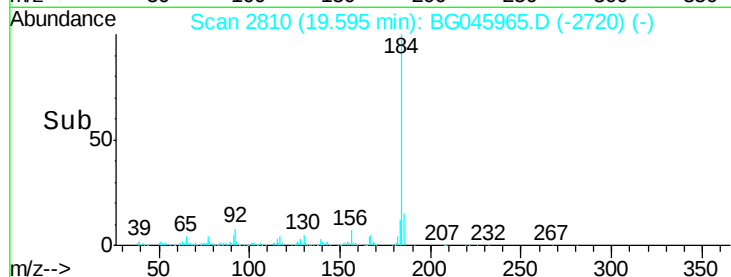
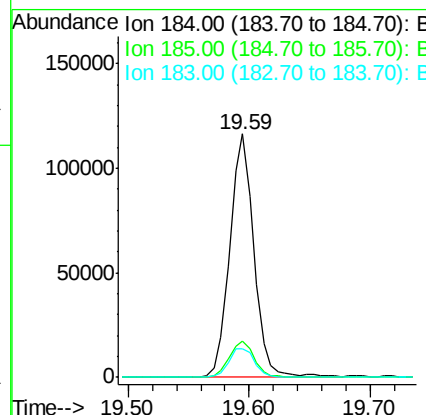
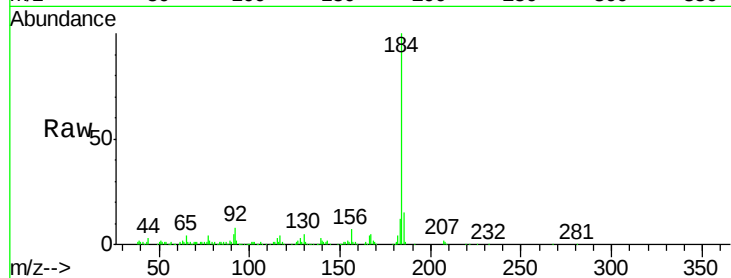




#77
Benzidine
Concen: 10.090 ng
RT: 19.59 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

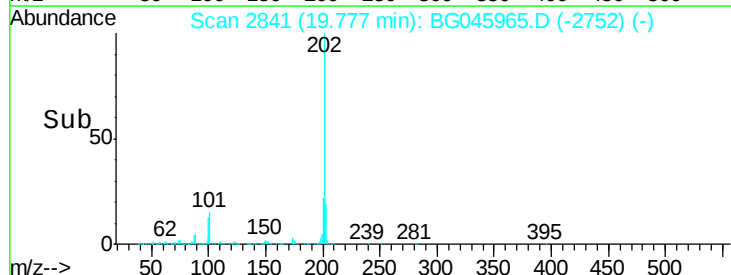
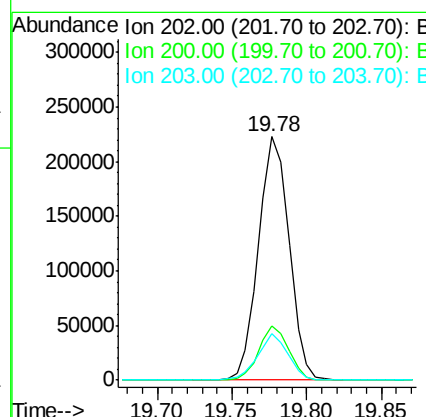
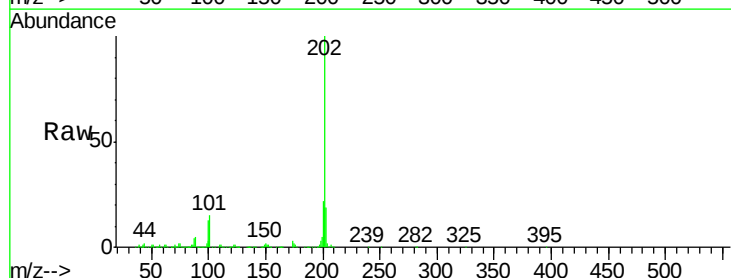
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

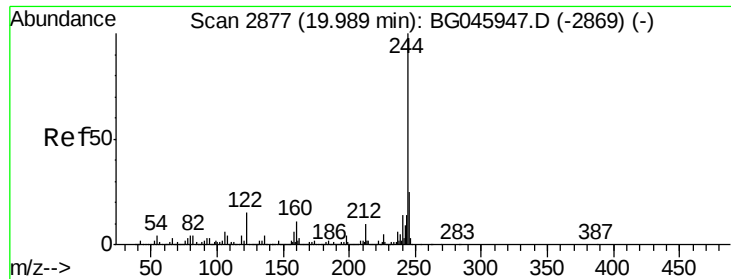
Tot Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	11.6	10.4	15.6



#78
Pyrene
Concen: 8.264 ng
RT: 19.78 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	20.1	30.1
203	18.9	16.5	24.7





#79

Terphenyl-d14

Concen: 116.607 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

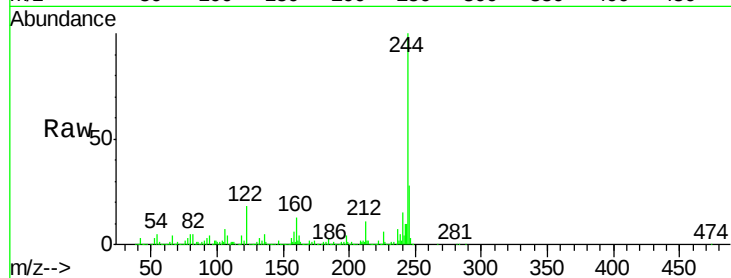
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 2930888

Ion	Ratio	Lower	Upper
244	100		
212	11.1	8.3	12.5
122	18.3	12.1	18.1#

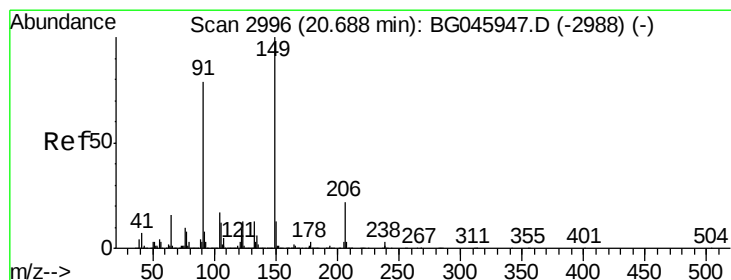
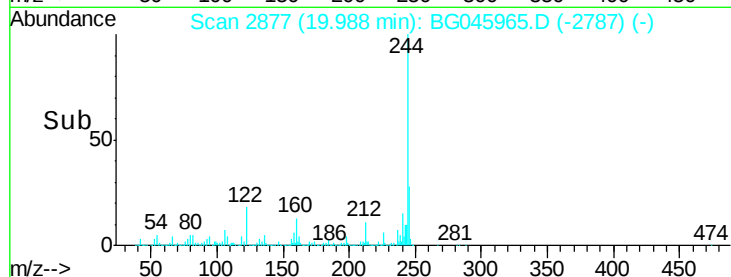
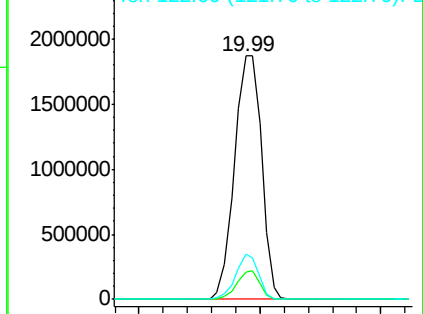


Abundance

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: 7.242 ng

RT: 20.68 min Scan# 2995

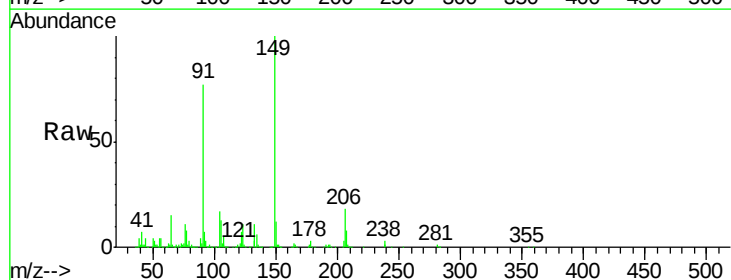
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:149 Resp: 130674

Ion	Ratio	Lower	Upper
149	100		
91	77.3	63.1	94.7
206	17.8	17.4	26.0

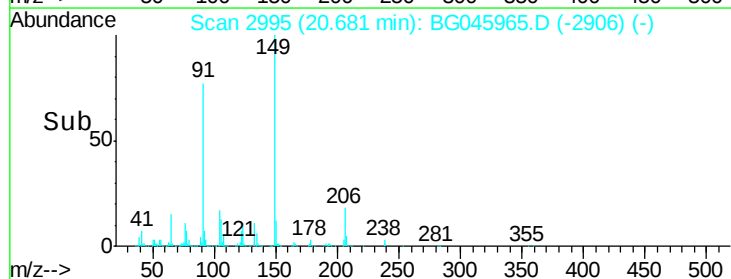
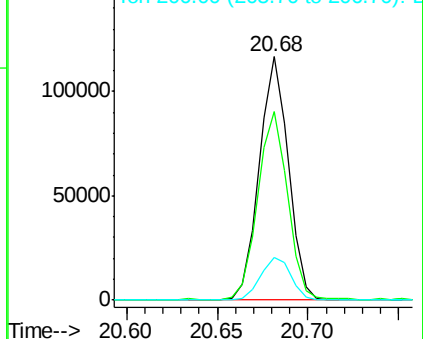


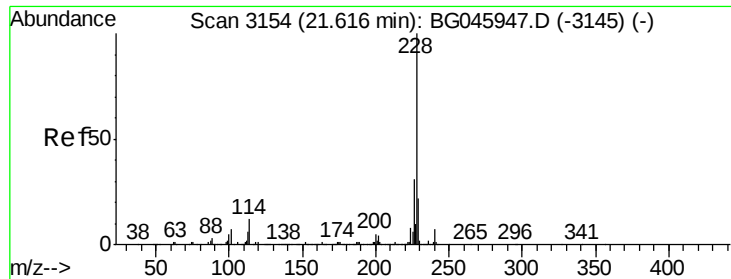
Abundance

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: 7.942 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

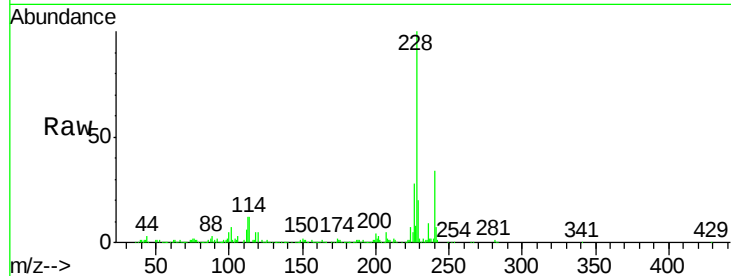
Tot Ion:228 Resp: 292118

Ion Ratio Lower Upper

228 100

226 28.0 24.8 37.2

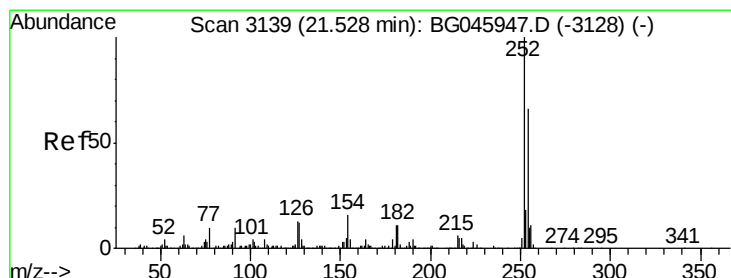
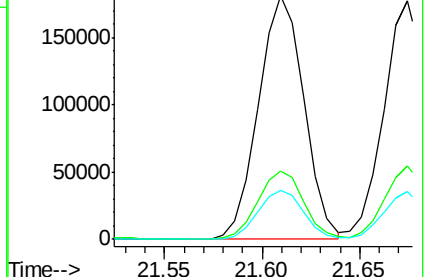
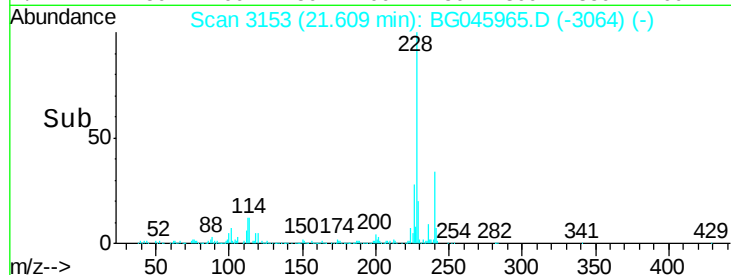
229 20.4 17.8 26.8



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: 8.242 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

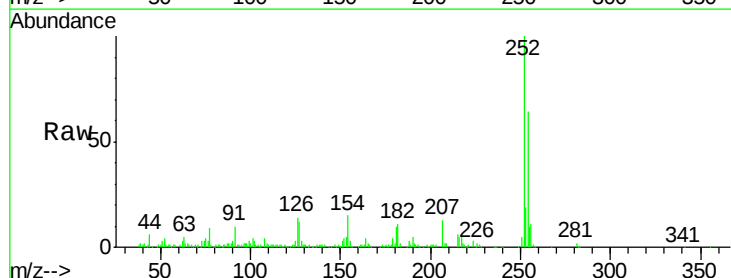
Tgt Ion:252 Resp: 112020

Ion Ratio Lower Upper

252 100

254 64.1 52.9 79.3

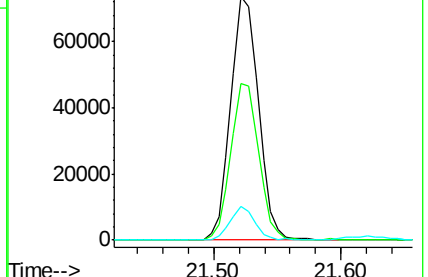
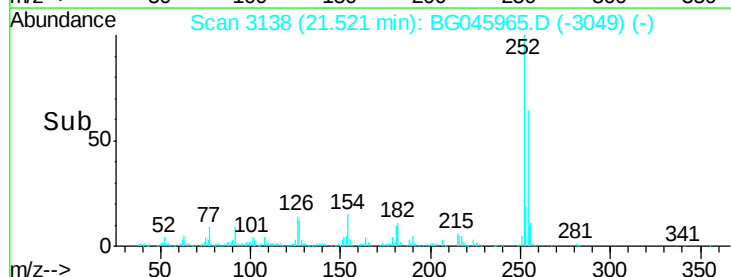
126 13.9 10.4 15.6



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

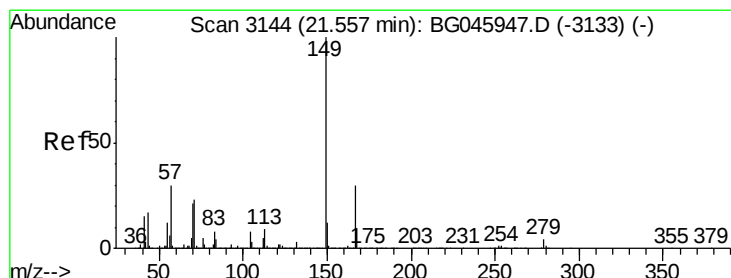
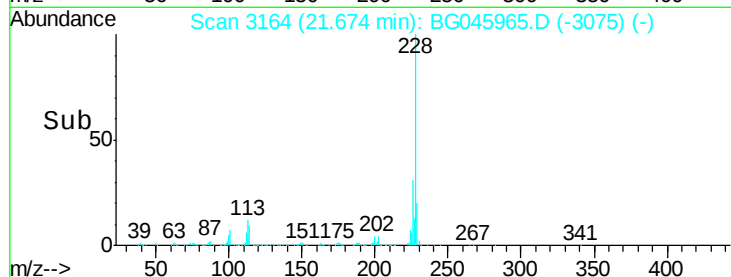
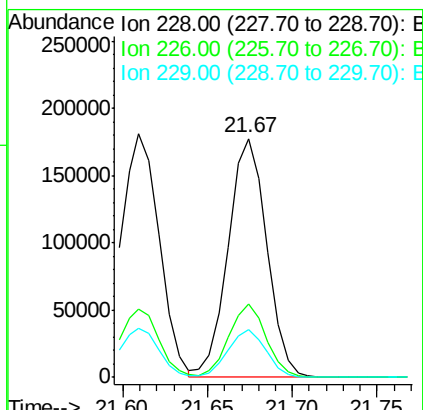
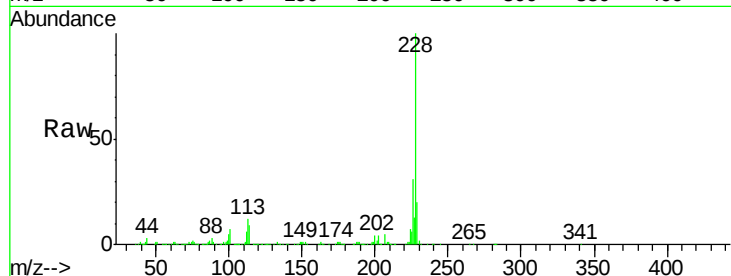




#83
Chrysene
Concen: 8.011 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

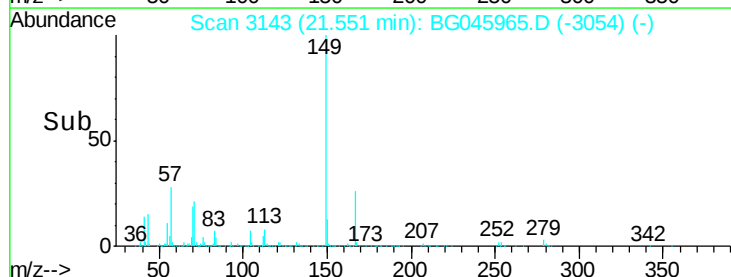
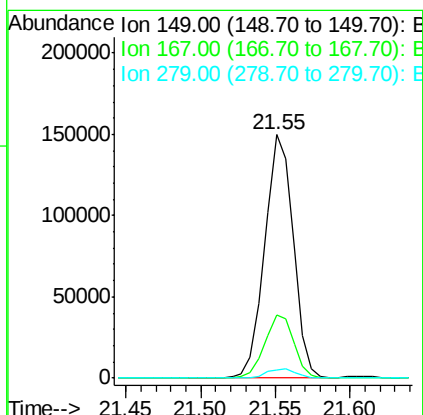
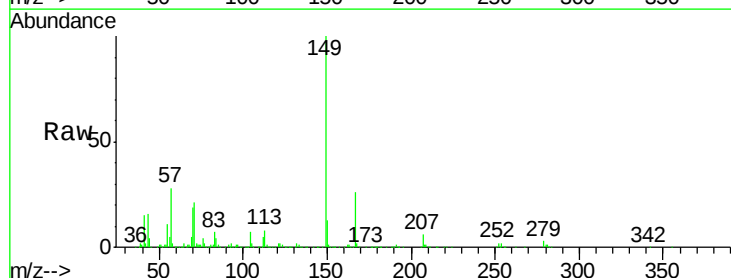
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

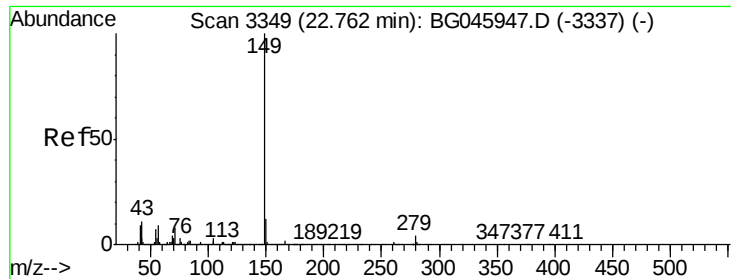
Tot Ion:228 Resp: 280712
Ion Ratio Lower Upper
228 100
226 30.9 26.7 40.1
229 20.2 17.3 25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.576 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:149 Resp: 198419
Ion Ratio Lower Upper
149 100
167 25.9 23.8 35.8
279 3.4 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 7.285 ng

RT: 22.75 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

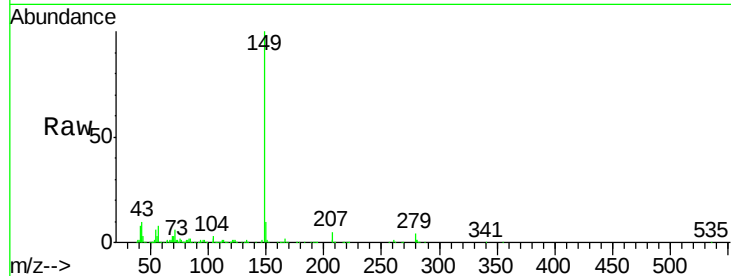
Tot Ion:149 Resp: 331134

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

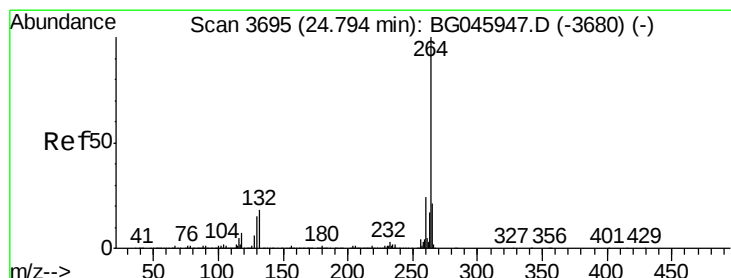
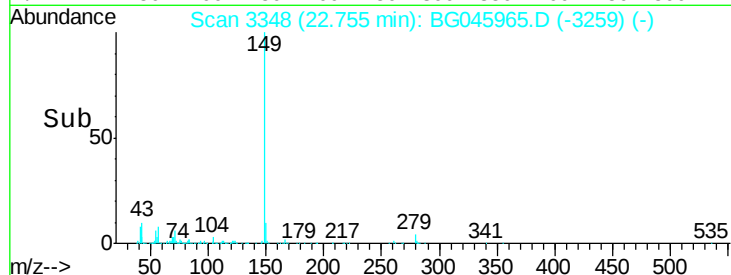
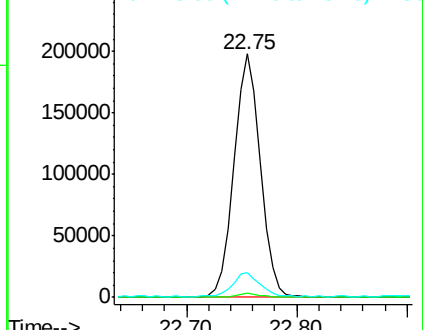
43 10.4 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

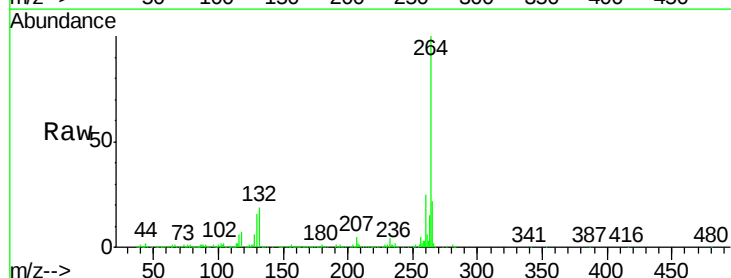
Tgt Ion:264 Resp: 564297

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

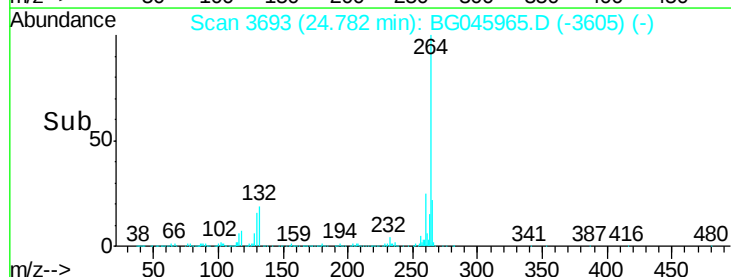
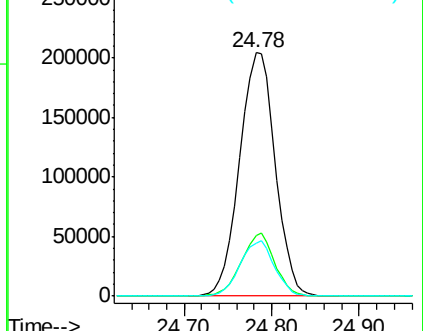
265 21.8 16.9 25.3

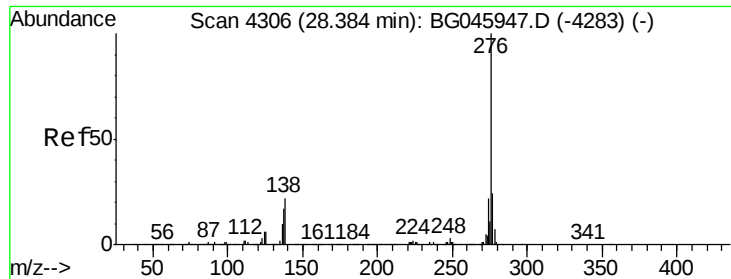


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

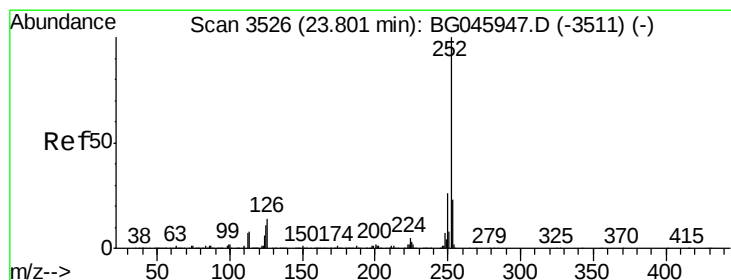
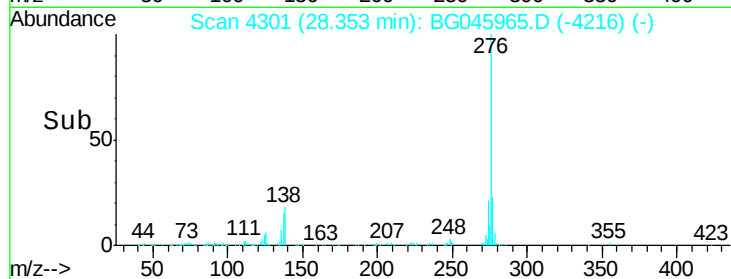
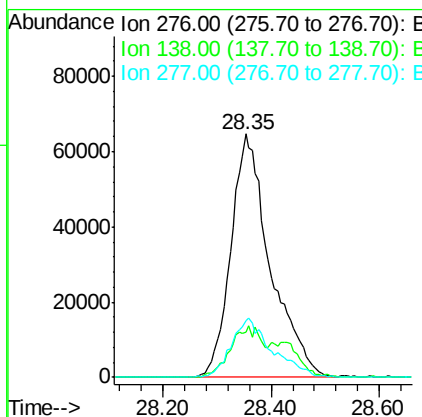
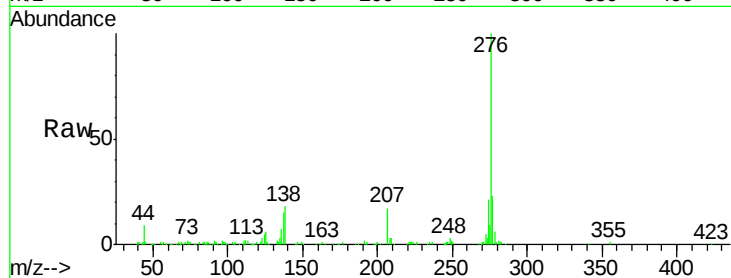




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.925 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

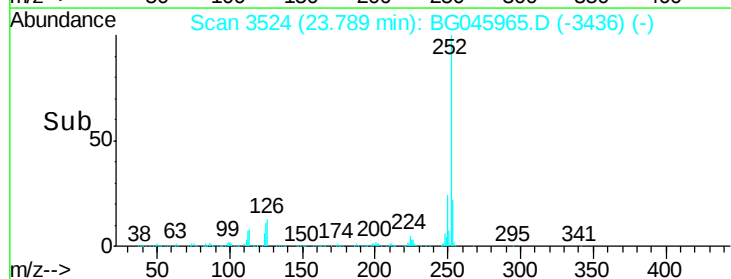
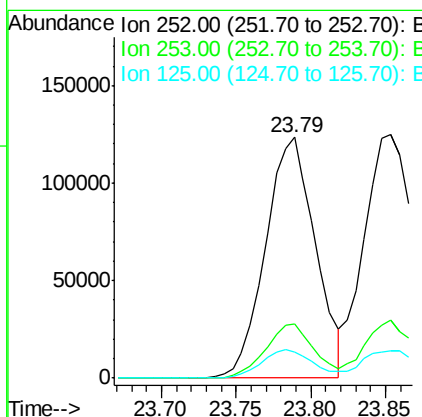
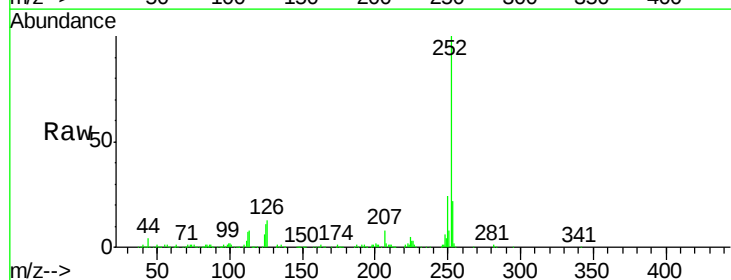
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

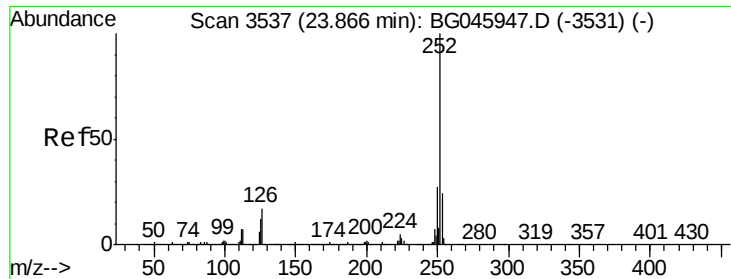
Tot Ion:276 Resp: 327177
 Ion Ratio Lower Upper
 276 100
 138 17.2 16.4 24.6
 277 25.1 20.6 31.0



#88
 Benzo(b)fluoranthene
 Concen: 8.012 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion:252 Resp: 286993
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.5 27.7
 125 10.6 9.2 13.8

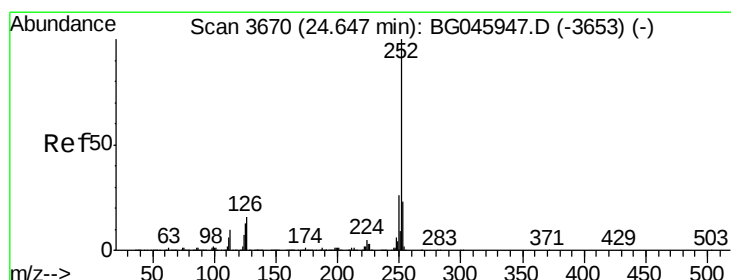
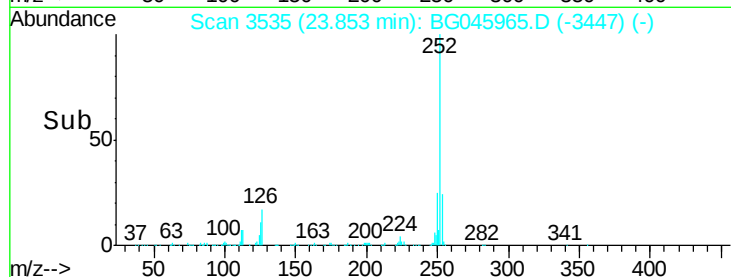
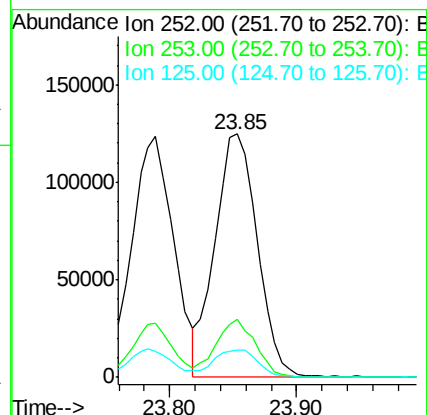
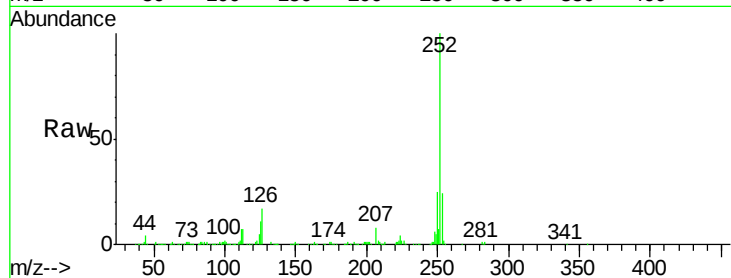




#89
Benzo(k)fluoranthene
Concen: 8.512 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

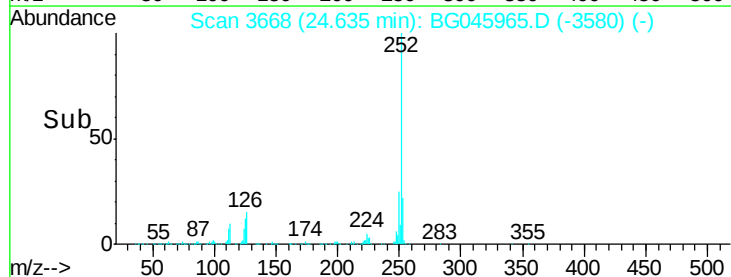
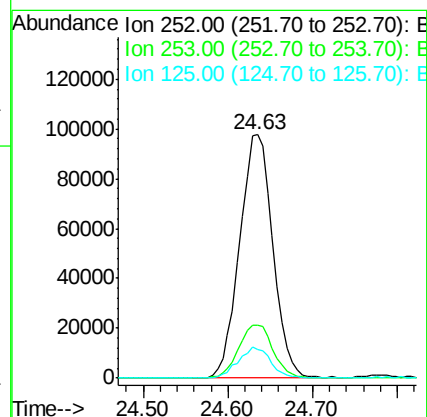
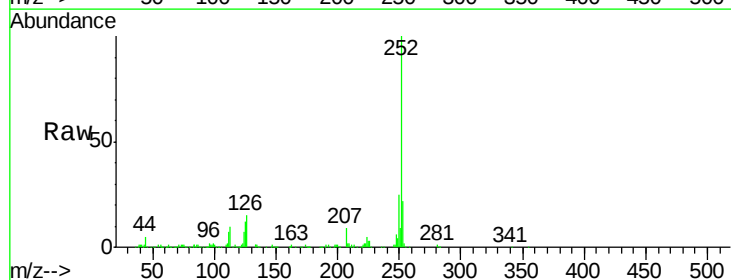
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

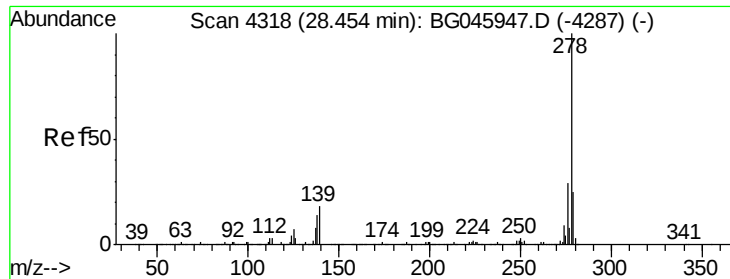
Tot Ion:252 Resp: 288318
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 11.0 9.6 14.4



#90
Benzo(a)pyrene
Concen: 7.888 ng
RT: 24.63 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:252 Resp: 265695
Ion Ratio Lower Upper
252 100
253 21.8 18.6 28.0
125 12.0 10.5 15.7

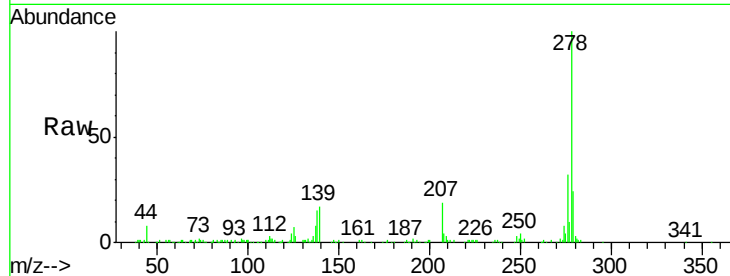




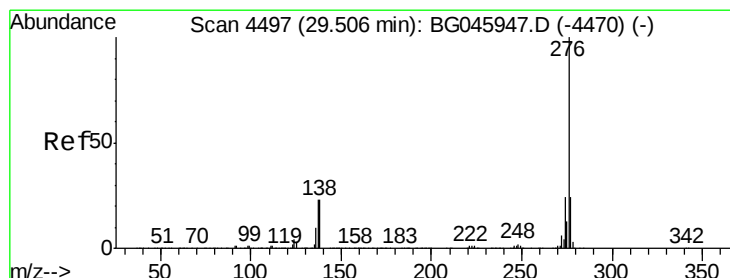
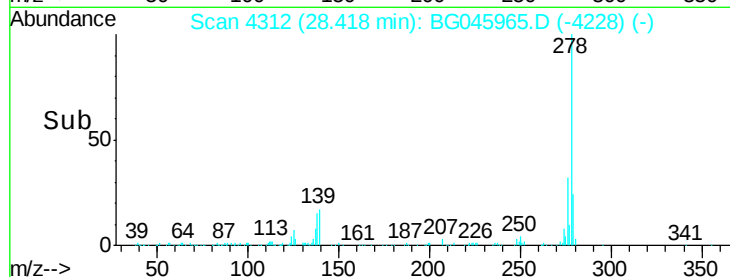
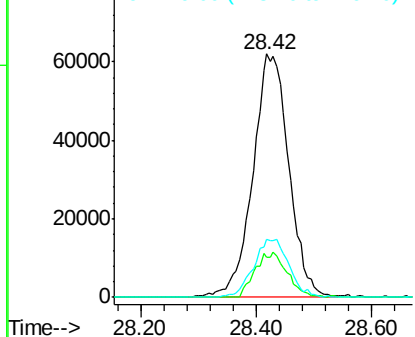
#91
Dibenzo(a,h)anthracene
Concen: 8.090 ng
RT: 28.42 min Scan# 4312
Delta R.T. -0.04 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.3	21.5
279	23.8	19.8	29.6

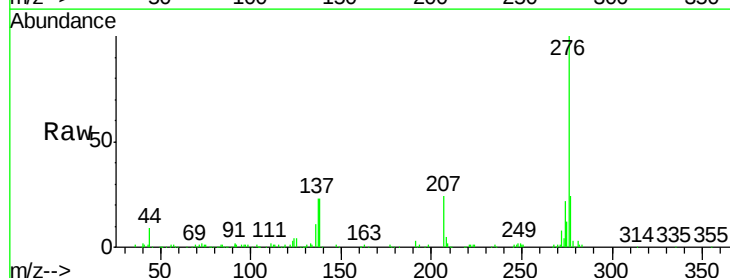


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.058 ng
RT: 29.47 min Scan# 4491
Delta R.T. -0.04 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	22.6	18.6	28.0



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

