

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045506.D
 Acq On : 28 May 2020 20:58
 Operator : CG/JU
 Sample : L2498-16MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

Quant Time: May 29 01:42:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	75965	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	316975	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	230412	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	504830	20.00	ng	0.00
76) Chrysene-d12	21.61	240	440819	20.00	ng	0.00
87) Perylene-d12	24.76	264	484082	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	550121	141.53	ng	0.00
7) Phenol-d6	7.17	99	712199	128.73	ng	0.00
23) Nitrobenzene-d5	9.12	82	599789	103.19	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	446159	151.41	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1368962	100.78	ng	0.00
79) Terphenyl-d14	19.96	244	2037478	107.80	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	66658	34.582	ng	# 39
3) Pyridine	3.82	79	122841	22.882	ng	94
4) n-Nitrosodimethylamine	3.72	42	74251	42.268	ng	98
6) Aniline	7.29	93	228543	31.645	ng	97
8) 2-Chlorophenol	7.54	128	225201	52.831	ng	98
9) Benzaldehyde	7.09	77	112552	31.225	ng	96
10) Phenol	7.20	94	237155	41.592	ng	97
11) bis(2-Chloroethyl)ether	7.38	93	213047	47.902	ng	98
12) 1,3-Dichlorobenzene	7.85	146	231651	45.222	ng	98
13) 1,4-Dichlorobenzene	7.99	146	238636	47.206	ng	99
14) 1,2-Dichlorobenzene	8.31	146	225908	46.463	ng	97
15) Benzyl Alcohol	8.21	79	238574	52.200	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.49	45	193872	45.922	ng	97
17) 2-Methylphenol	8.44	107	200481	46.974	ng	96
18) Hexachloroethane	9.04	117	90328	46.654	ng	88
19) n-Nitroso-di-n-propylamine	8.77	70	195682	51.148	ng	97
20) 3+4-Methylphenols	8.77	107	266071	45.782	ng	# 78
22) Acetophenone	8.78	105	353630	47.071	ng	# 98
24) Nitrobenzene	9.17	77	292162	46.913	ng	99
25) Isophorone	9.69	82	553962	48.392	ng	98
26) 2-Nitrophenol	9.88	139	131977	49.539	ng	93
27) 2,4-Dimethylphenol	9.96	122	221548	56.070	ng	97
28) bis(2-Chloroethoxy)methane	10.17	93	299024	49.809	ng	99
29) 2,4-Dichlorophenol	10.43	162	246173	52.759	ng	98
30) 1,2,4-Trichlorobenzene	10.63	180	266387	48.315	ng	97
31) Naphthalene	10.82	128	733734	49.675	ng	99
32) Benzoic acid	10.14	122	113352	43.395	ng	89
33) 4-Chloroaniline	10.93	127	64887	10.509	ng	97
34) Hexachlorobutadiene	11.11	225	181073	46.460	ng	97
35) Caprolactam	11.70	113	32925	19.225	ng	90
36) 4-Chloro-3-methylphenol	12.09	107	278950	53.054	ng	99
37) 2-Methylnaphthalene	12.43	142	554896	50.403	ng	97
38) 1-Methylnaphthalene	12.64	142	525362	50.517	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	323615	50.284	ng	99

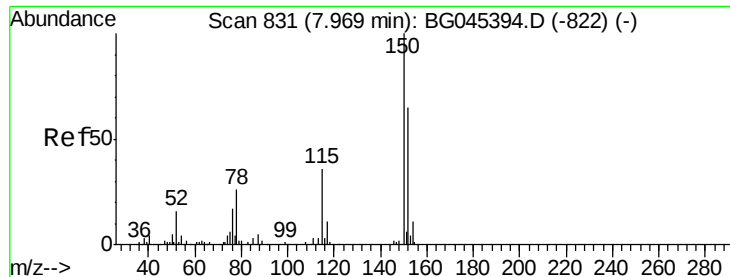
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045506.D
 Acq On : 28 May 2020 20:58
 Operator : CG/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	271251	73.023	ng	99
43) 2,4,6-Trichlorophenol	13.05	196	222315	49.727	ng	98
44) 2,4,5-Trichlorophenol	13.14	196	234670	45.934	ng	97
46) 1,1'-Biphenyl	13.44	154	711651	50.266	ng	100
47) 2-Chloronaphthalene	13.48	162	543029	47.234	ng	100
48) 2-Nitroaniline	13.68	65	177176	46.850	ng	# 87
49) Acenaphthylene	14.32	152	903058	48.902	ng	99
50) Dimethylphthalate	14.06	163	888682	56.224	ng	99
51) 2,6-Dinitrotoluene	14.18	165	167586	46.987	ng	98
52) Acenaphthene	14.67	154	538909	43.597	ng	98
53) 3-Nitroaniline	14.51	138	91610	25.267	ng	93
54) 2,4-Dinitrophenol	14.72	184	162577	70.295	ng	98
55) Dibenzofuran	15.00	168	869827	47.385	ng	98
56) 4-Nitrophenol	14.87	139	195226	71.121	ng	90
57) 2,4-Dinitrotoluene	14.97	165	236491	45.783	ng	96
58) Fluorene	15.65	166	709873	47.071	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.24	232	216749	48.224	ng	98
60) Diethylphthalate	15.42	149	745941	45.342	ng	99
61) 4-Chlorophenyl-phenylether	15.64	204	400154	46.369	ng	99
62) 4-Nitroaniline	15.68	138	152220	40.216	ng	96
63) Azobenzene	15.94	77	710576	46.321	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	135514	46.091	ng	99
66) n-Nitrosodiphenylamine	15.86	169	633412	52.258	ng	98
67) 4-Bromophenyl-phenylether	16.54	248	272331	49.818	ng	98
68) Hexachlorobenzene	16.66	284	296163	51.799	ng	98
69) Atrazine	16.81	200	236461	47.363	ng	99
70) Pentachlorophenol	17.01	266	289667	97.572	ng	96
71) Phenanthrene	17.40	178	1099323	49.882	ng	99
72) Anthracene	17.48	178	1128731	51.000	ng	96
73) Carbazole	17.76	167	1012027	46.911	ng	99
74) Di-n-butylphthalate	18.31	149	1198273	46.277	ng	99
75) Fluoranthene	19.40	202	1299162	46.346	ng	100
77) Benzidine	19.58	184	325220	26.268	ng	100
78) Pyrene	19.76	202	1287835	51.250	ng	99
80) Butylbenzylphthalate	20.65	149	521583	48.089	ng	97
81) Benzo(a)anthracene	21.59	228	1238026	50.415	ng	99
82) 3,3'-Dichlorobenzidine	21.51	252	270040	28.034	ng	97
83) Chrysene	21.65	228	1156298	48.971	ng	98
84) Bis(2-ethylhexyl)phthalate	21.50	149	726677	48.739	ng	99
85) Di-n-octyl phthalate	22.69	149	1214172	47.415	ng	100
86) Indeno(1,2,3-cd)pyrene	28.33	276	1548237	50.142	ng	# 96
88) Benzo(b)fluoranthene	23.76	252	1321222	50.891	ng	99
89) Benzo(k)fluoranthene	23.83	252	1223288	50.154	ng	98
90) Benzo(a)pyrene	24.61	252	1190541	49.239	ng	100
91) Dibenzo(a,h)anthracene	28.40	278	1257539	51.756	ng	100
92) Benzo(g,h,i)perylene	29.45	276	1293194	53.217	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

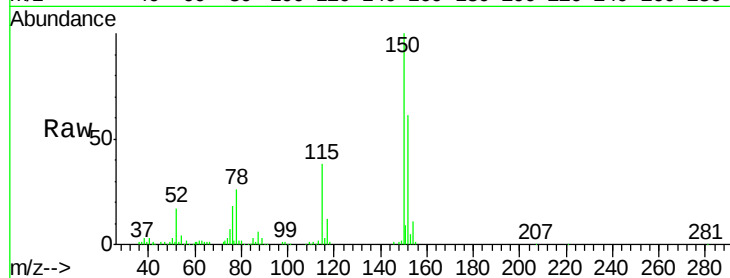
Tot Ion:152 Resp: 75965

Ion Ratio Lower Upper

152 100

150 164.3 122.4 183.6

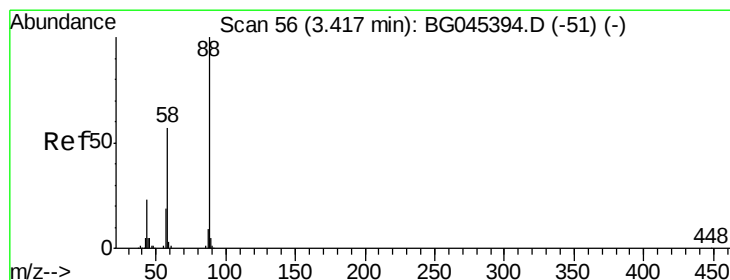
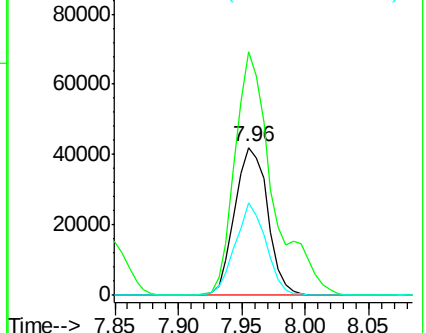
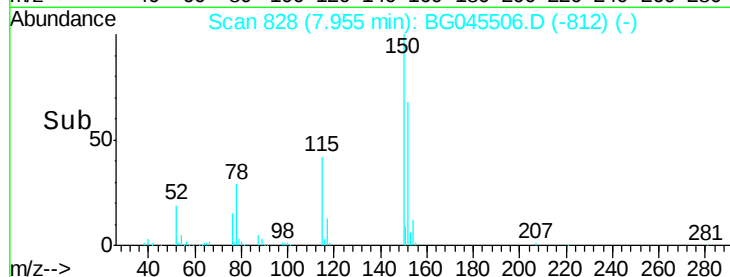
115 62.1 44.2 66.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.582 ng

RT: 3.41 min Scan# 55

Delta R.T. 0.01 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

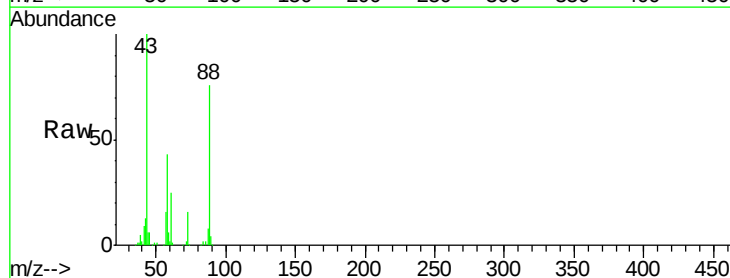
Tgt Ion: 88 Resp: 66658

Ion Ratio Lower Upper

88 100

58 59.9 45.7 68.5

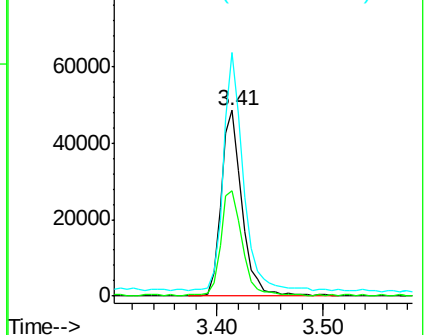
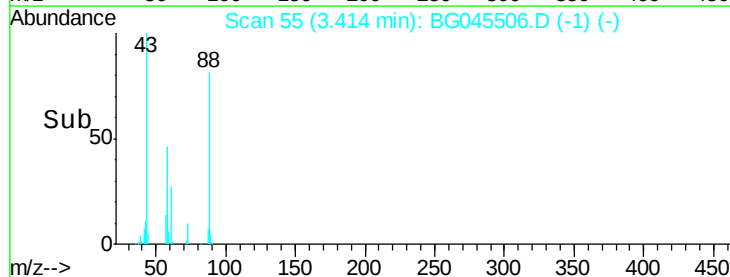
43 121.5 16.8 25.2#

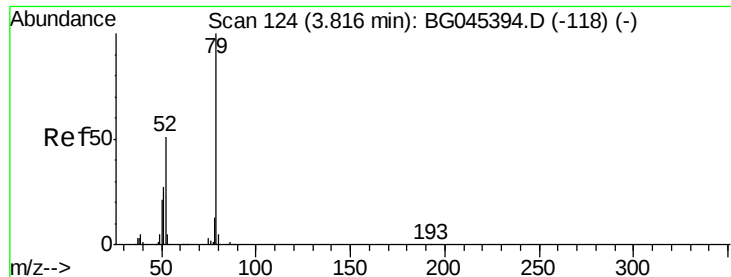


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 22.882 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.01 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

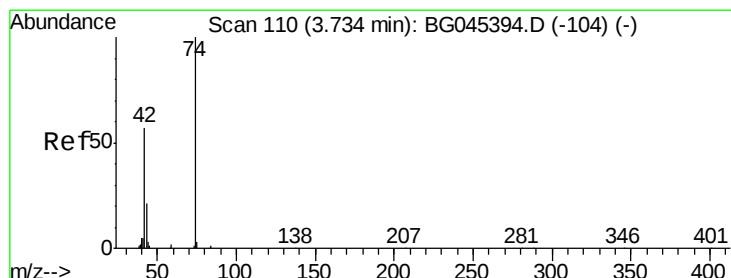
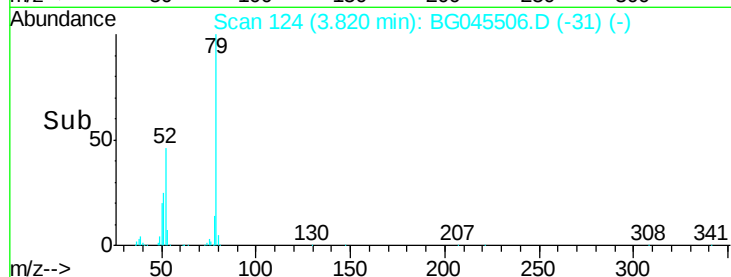
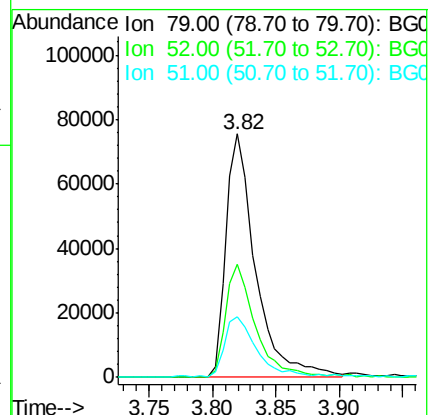
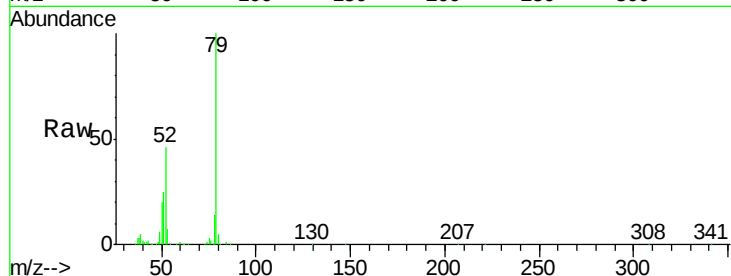
Tot Ion: 79 Resp: 122841

Ion Ratio Lower Upper

79 100

52 46.5 40.8 61.2

51 25.1 21.9 32.9



#4

n-Nitrosodimethylamine

Concen: 42.268 ng

RT: 3.72 min Scan# 107

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

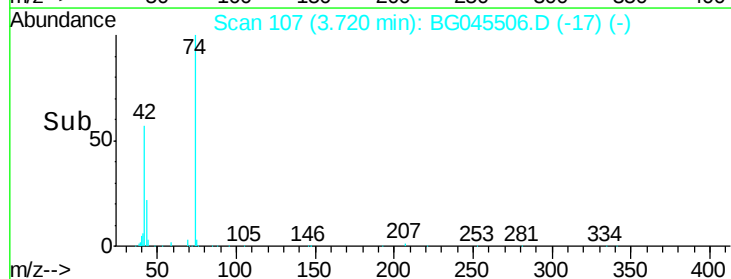
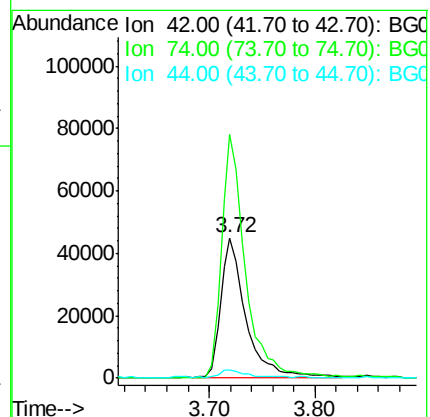
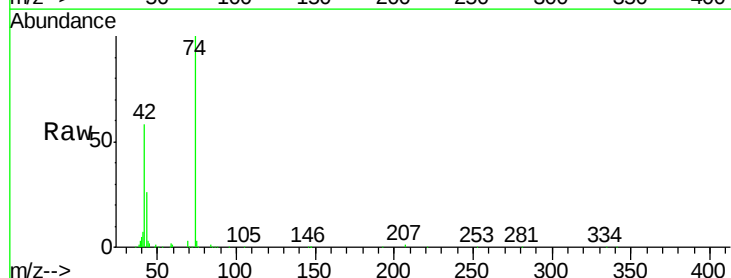
Tgt Ion: 42 Resp: 74251

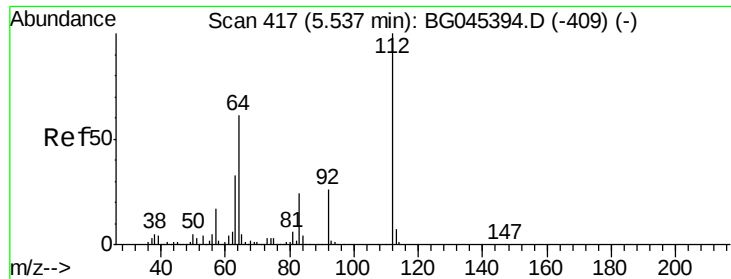
Ion Ratio Lower Upper

42 100

74 173.7 141.3 211.9

44 6.0 4.2 6.4





#5

2-Fluorophenol

Concen: 141.526 ng

RT: 5.56 min Scan# 420

Delta R.T. 0.01 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

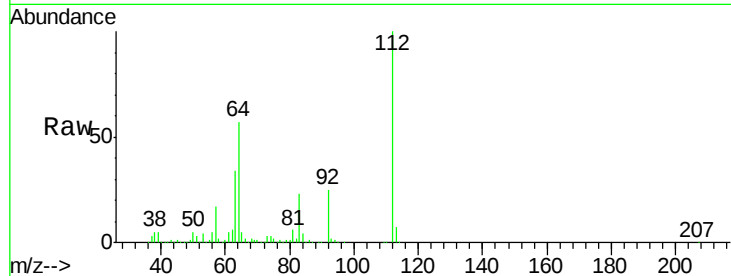
Tot Ion:112 Resp: 550121

Ion Ratio Lower Upper

112 100

64 57.4 48.6 72.8

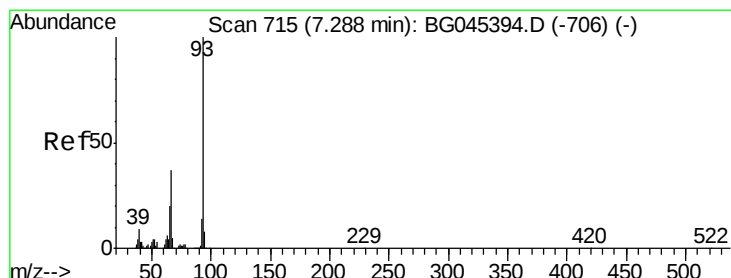
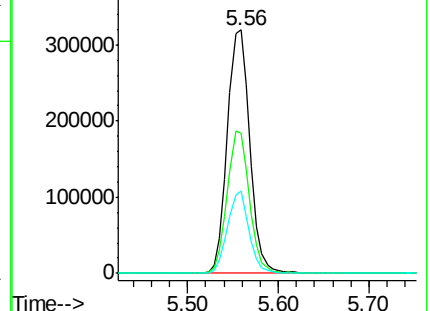
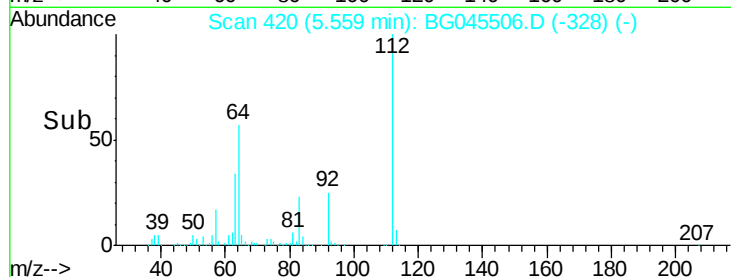
63 33.9 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 31.645 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

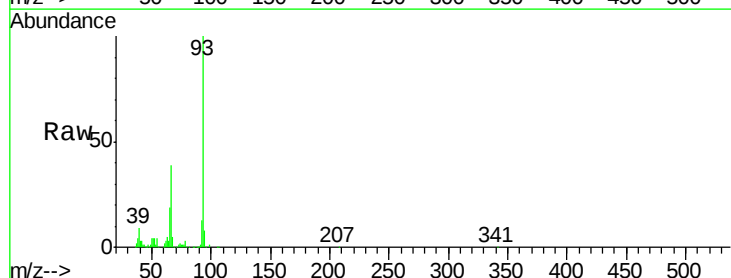
Tgt Ion: 93 Resp: 228543

Ion Ratio Lower Upper

93 100

66 38.6 29.6 44.4

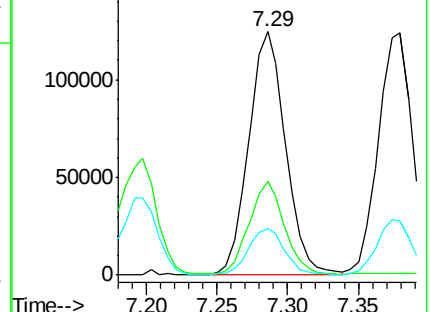
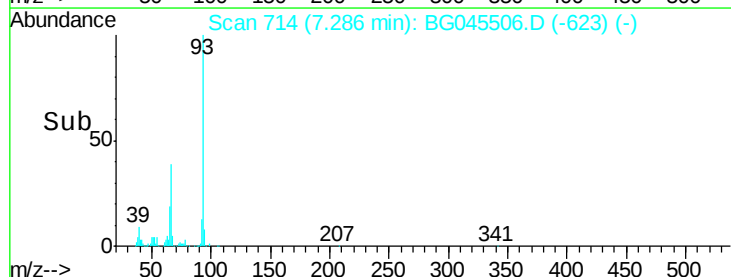
65 18.8 15.9 23.9

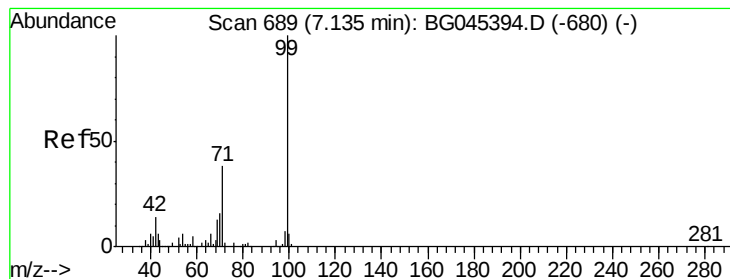


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 128.731 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

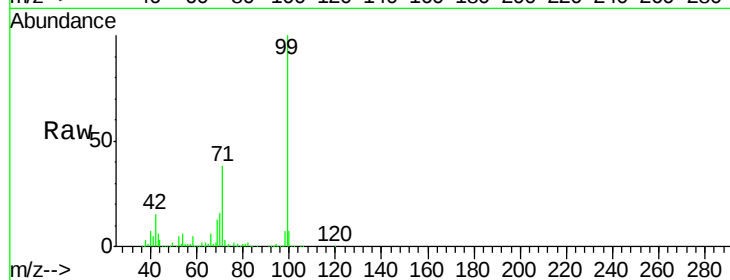
BNA_G

ClientSampleId :

CL-01-052220MSD

Tot Ion: 99 Resp: 712199

Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.3	16.9
71	37.8	30.8	46.2

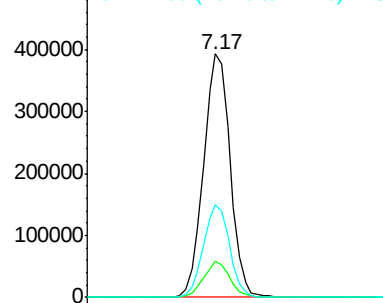


Abundance

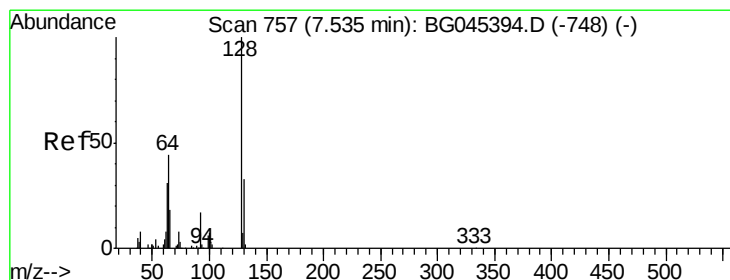
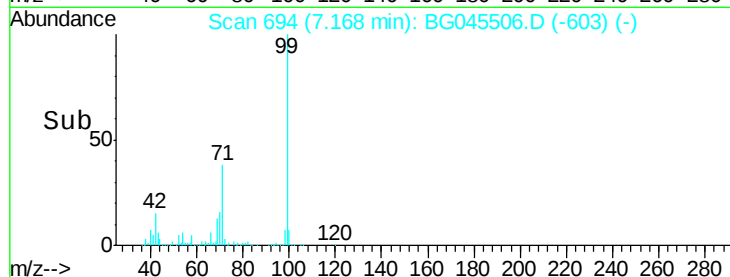
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#8

2-Chlorophenol

Concen: 52.831 ng

RT: 7.54 min Scan# 757

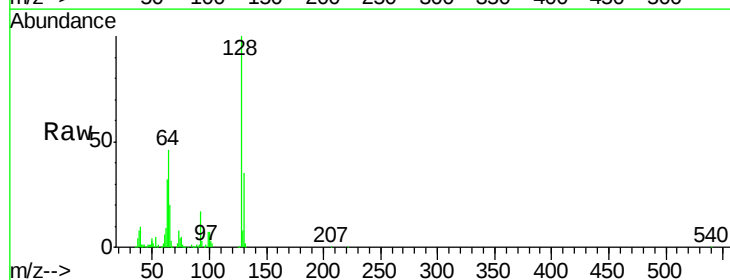
Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Tgt Ion: 128 Resp: 225201

Ion	Ratio	Lower	Upper
128	100		
130	34.7	12.6	52.6
64	46.0	27.0	67.0

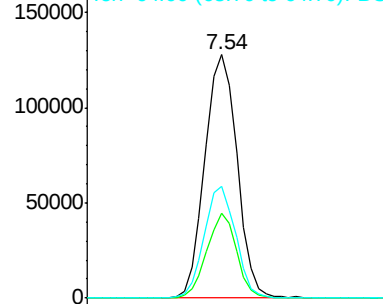


Abundance

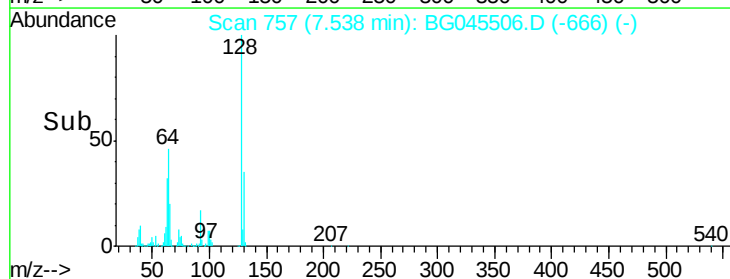
Ion 128.00 (127.70 to 128.70): BGC

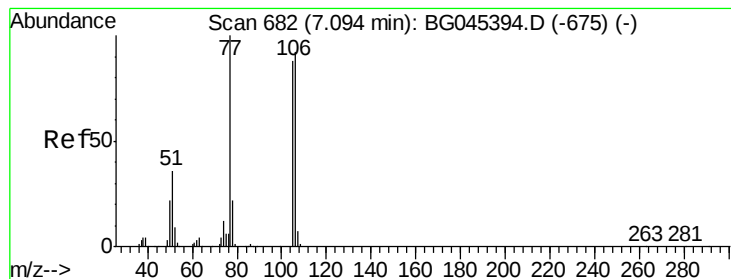
Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

Concen: 31.225 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

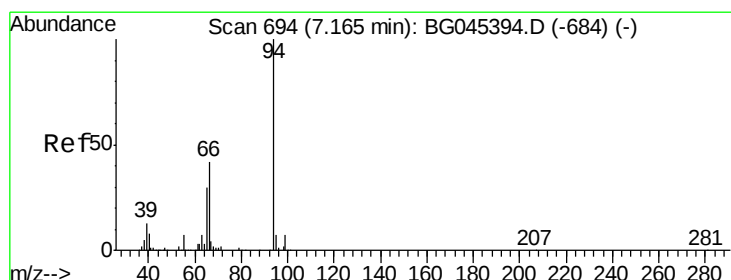
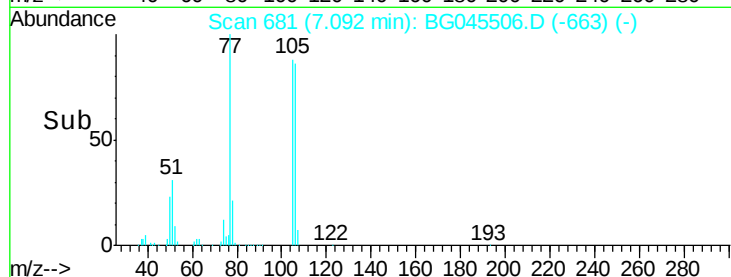
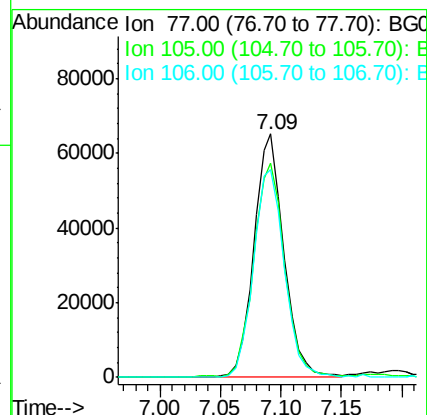
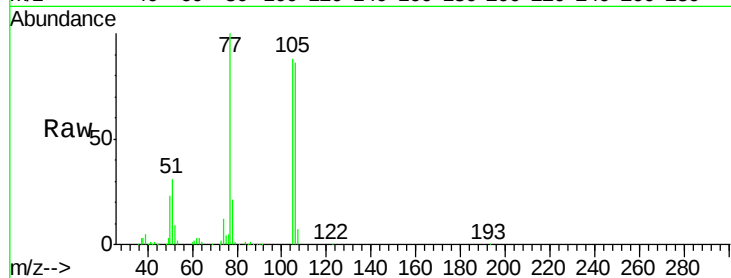
Tot Ion: 77 Resp: 112552

Ion Ratio Lower Upper

77 100

105 87.8 68.5 108.5

106 85.5 71.6 111.6



#10

Phenol

Concen: 41.592 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

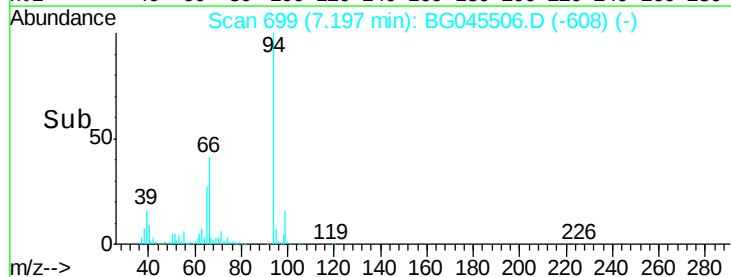
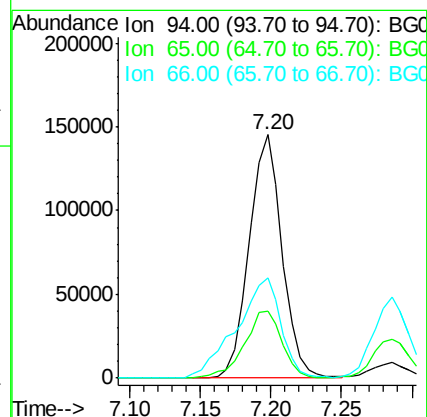
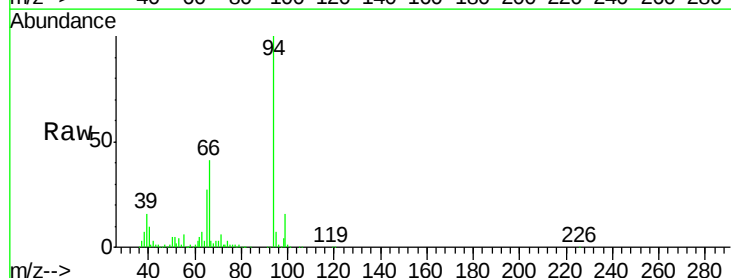
Tgt Ion: 94 Resp: 237155

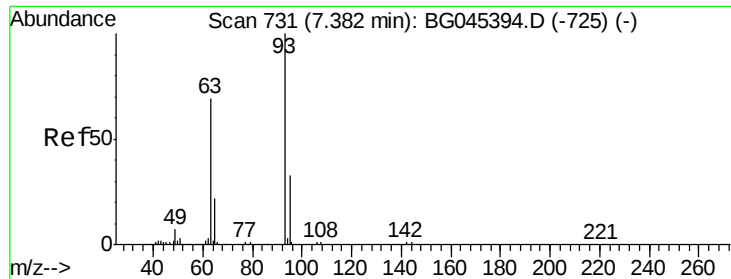
Ion Ratio Lower Upper

94 100

65 27.3 9.8 49.8

66 41.1 22.0 62.0

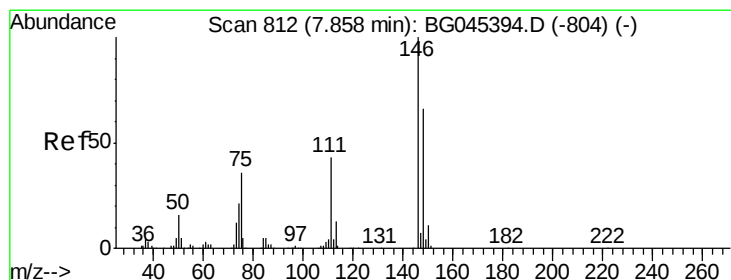
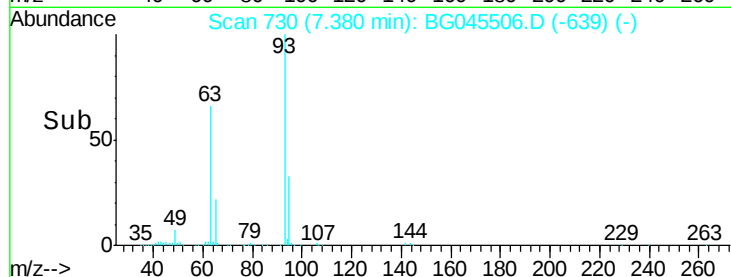
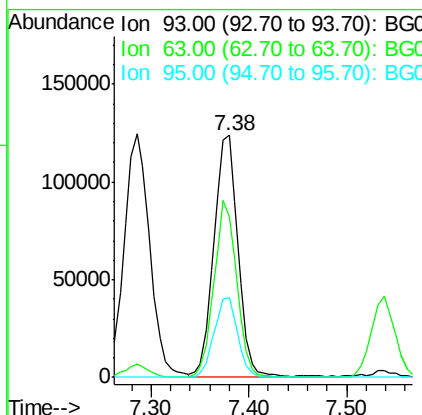
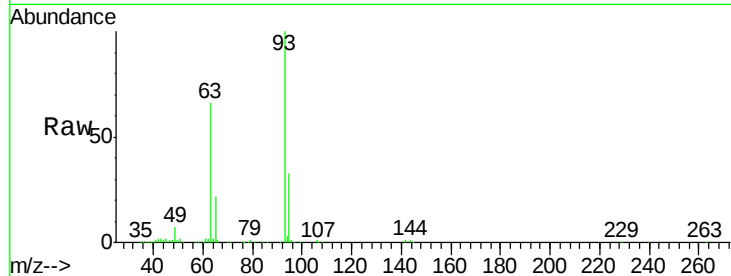




#11
bis(2-Chloroethyl)ether
Concen: 47.902 ng
RT: 7.38 min Scan# 730
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

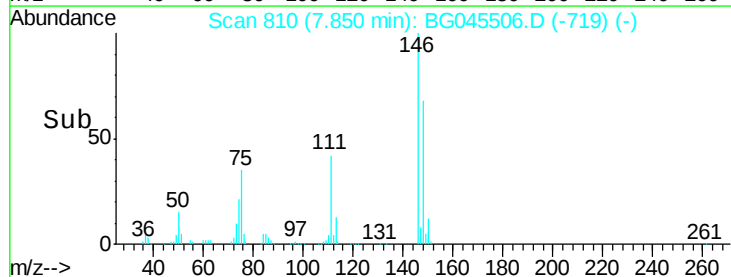
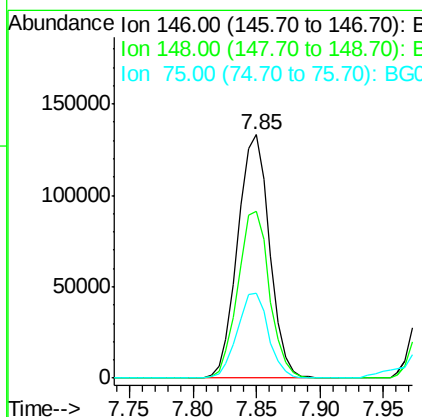
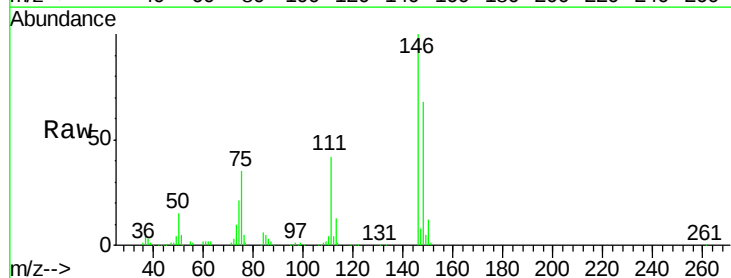
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	66.3	48.4	88.4
95	32.8	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 45.222 ng
RT: 7.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.3	53.2	79.8
75	34.8	28.6	43.0





#13

1,4-Dichlorobenzene

Concen: 47.206 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

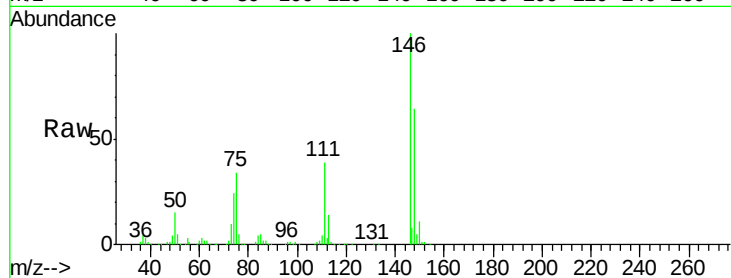
Tot Ion:146 Resp: 238636

Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.8

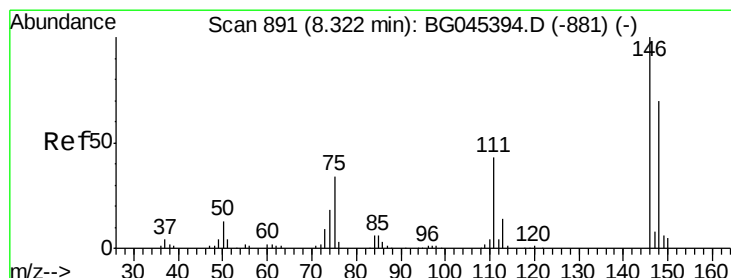
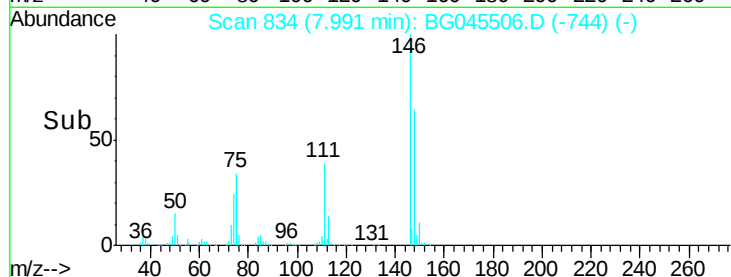
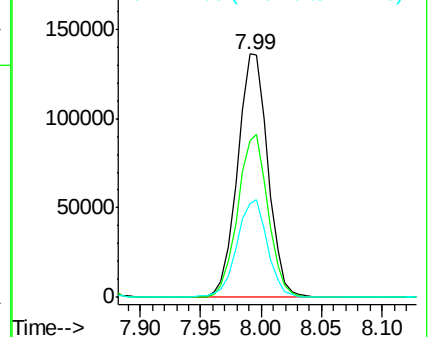
111 38.6 32.1 48.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 46.463 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

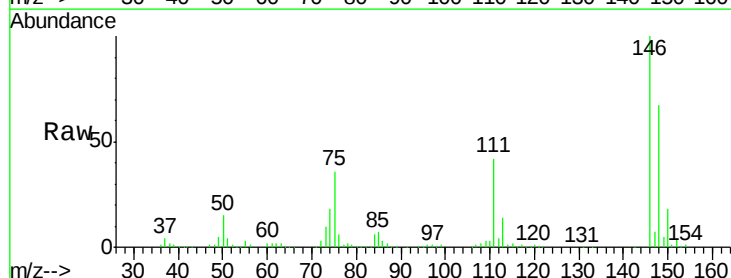
Tgt Ion:146 Resp: 225908

Ion Ratio Lower Upper

146 100

148 66.6 55.9 83.9

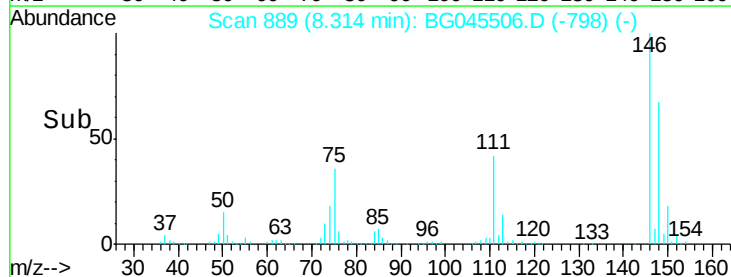
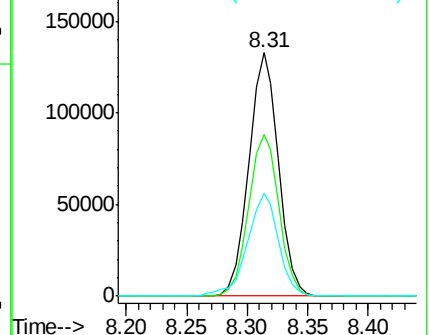
111 42.2 35.0 52.4

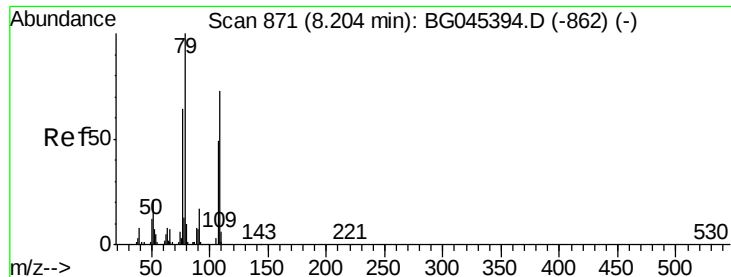


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.200 ng

RT: 8.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

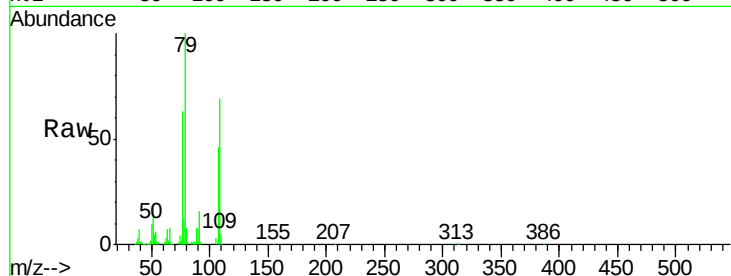
Tot Ion: 79 Resp: 238574

Ion Ratio Lower Upper

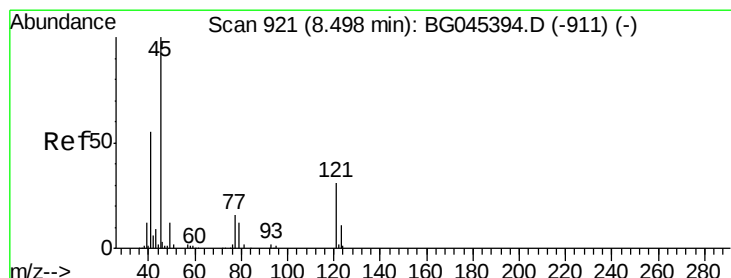
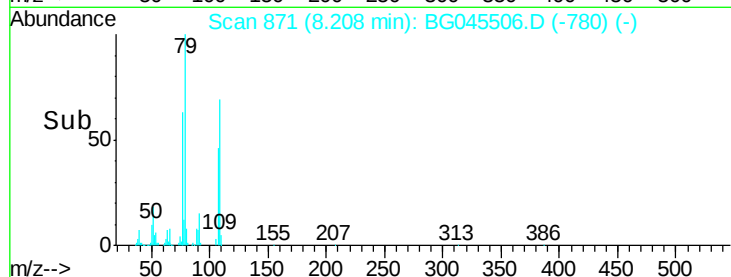
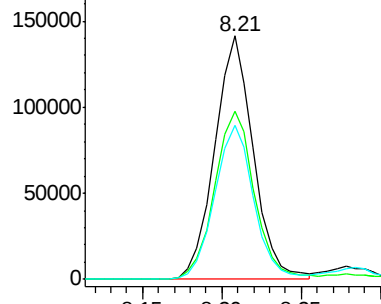
79 100

108 68.8 58.2 87.4

77 63.5 51.0 76.4



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.922 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

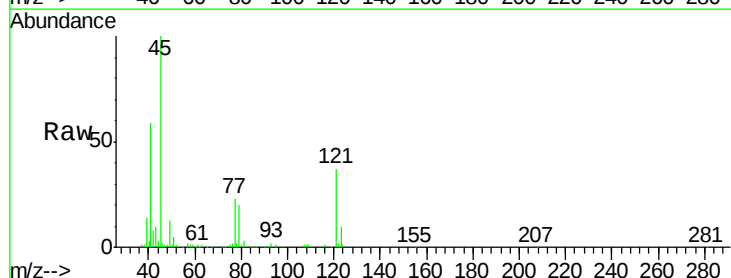
Tgt Ion: 45 Resp: 193872

Ion Ratio Lower Upper

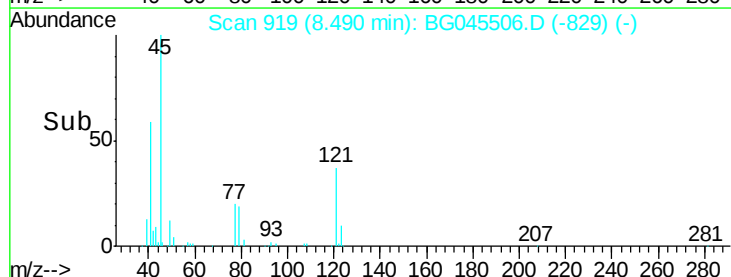
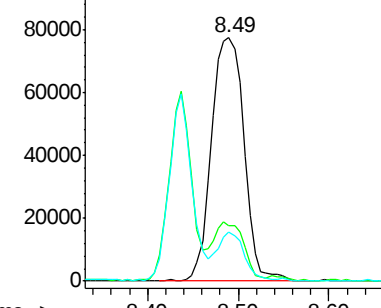
45 100

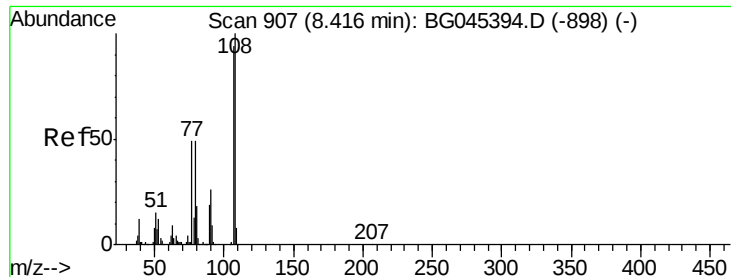
77 22.7 4.0 44.0

79 20.1 0.0 38.6



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 46.974 ng

RT: 8.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

Tot Ion:107 Resp: 200481

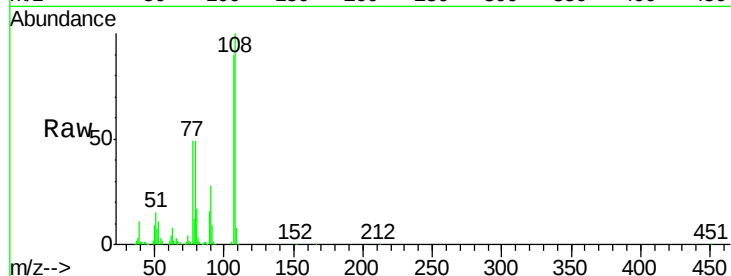
Ion Ratio Lower Upper

107 100

108 111.4 85.2 127.8

77 55.0 41.6 62.4

79 54.2 41.8 62.8

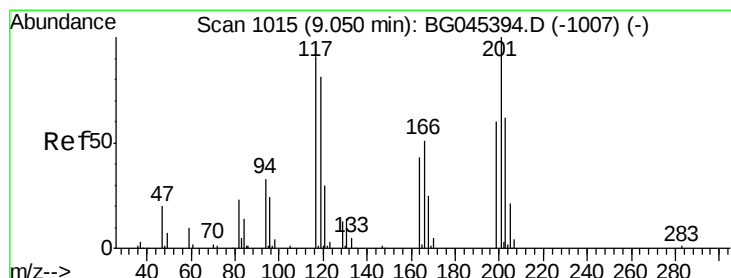
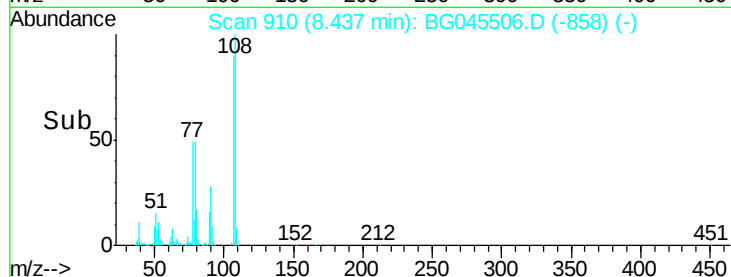
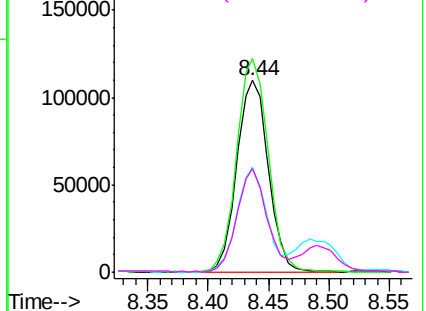


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 46.654 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

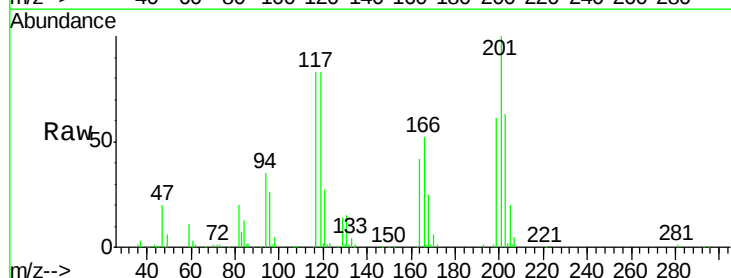
Tgt Ion:117 Resp: 90328

Ion Ratio Lower Upper

117 100

119 100.9 71.3 106.9

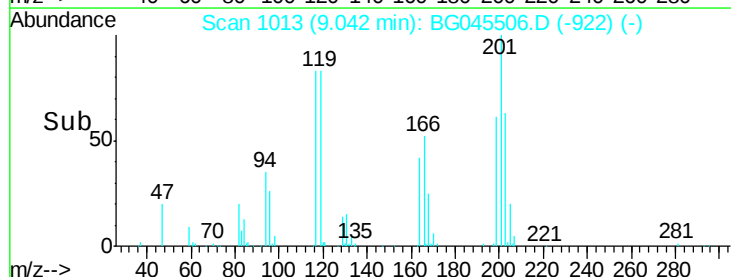
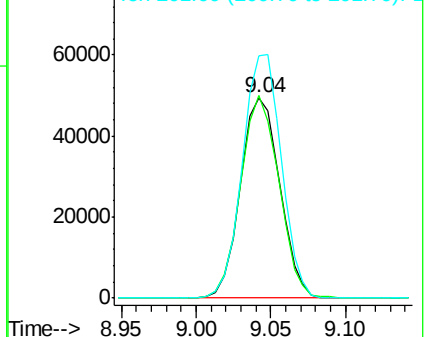
201 121.0 87.5 131.3

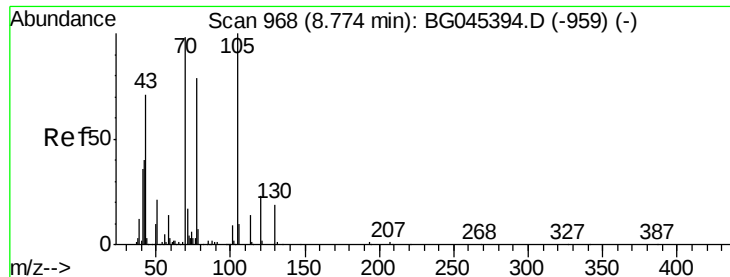


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

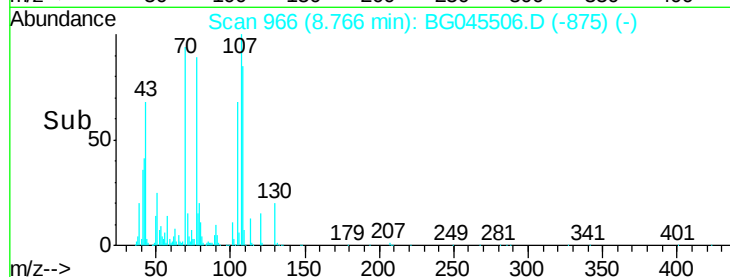
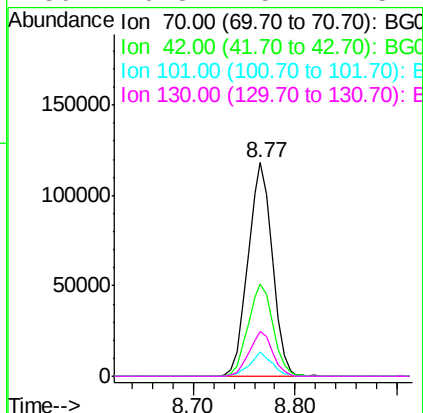
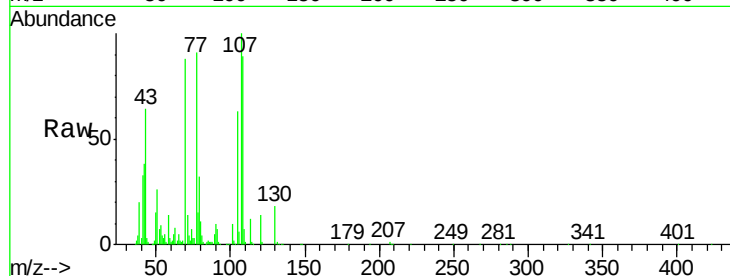




#19
n-Nitroso-di-n-propylamine
Concen: 51.148 ng
RT: 8.77 min Scan# 966
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

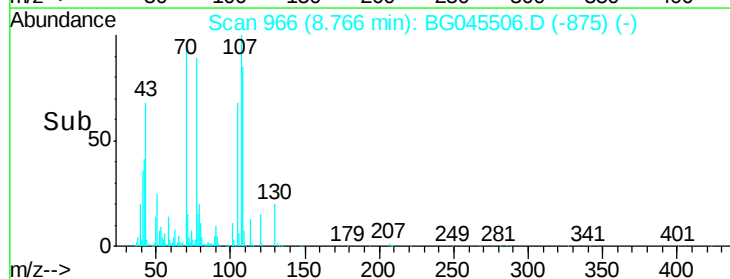
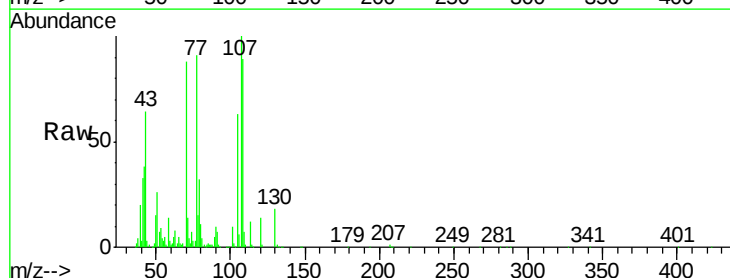
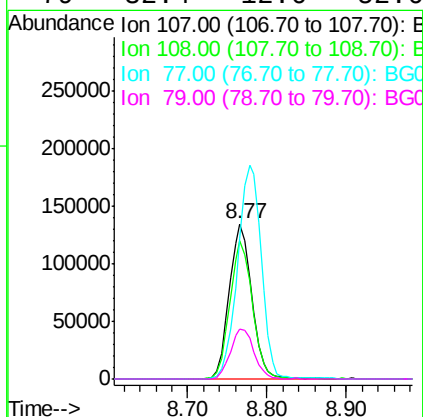
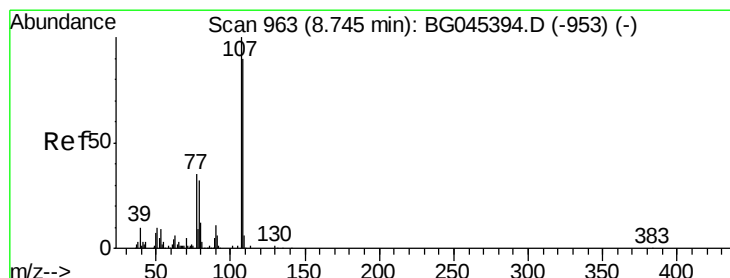
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

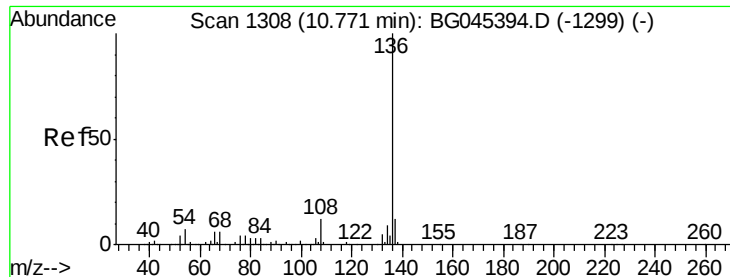
Tot Ion:	70	Resp:	195682
Ion	Ratio	Lower	Upper
70	100		
42	43.3	33.2	49.8
101	11.2	7.8	11.6
130	20.8	15.4	23.2



#20
3+4-Methylphenols
Concen: 45.782 ng
RT: 8.77 min Scan# 966
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:	107	Resp:	266071
Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.3	110.3
77	90.7	15.4	55.4
79	32.4	12.6	52.6

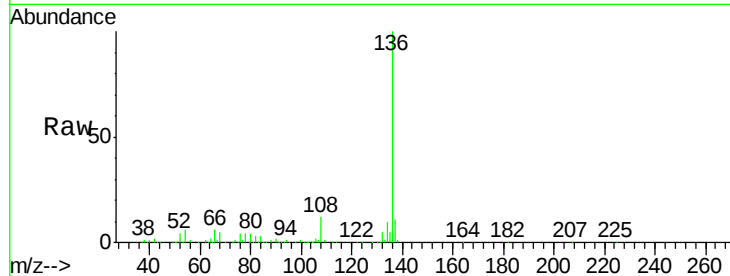




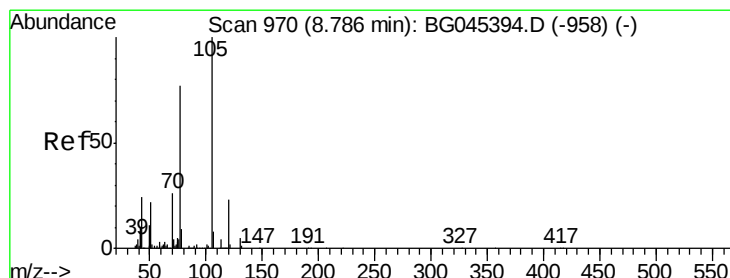
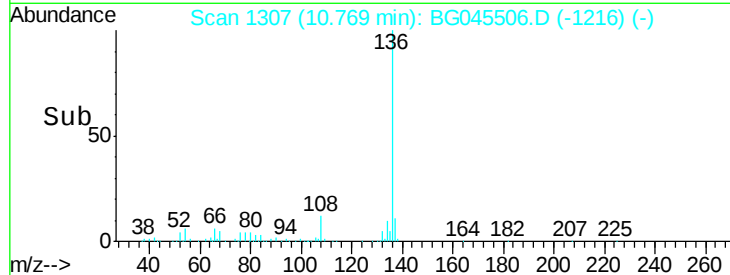
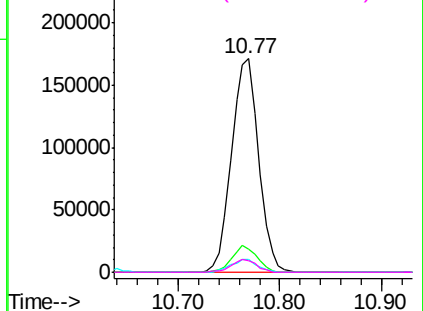
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion:136	Resp:	316975	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	9.4	14.2	
54 6.0	5.8	8.6	
68 5.2	4.5	6.7	

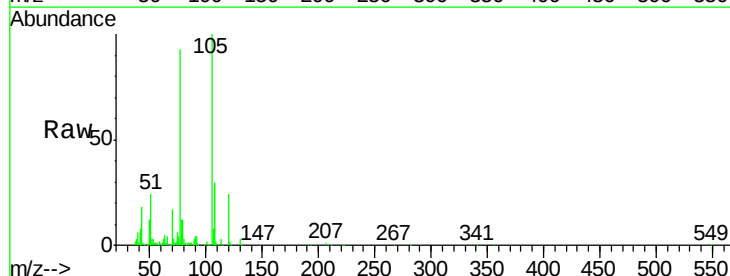


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

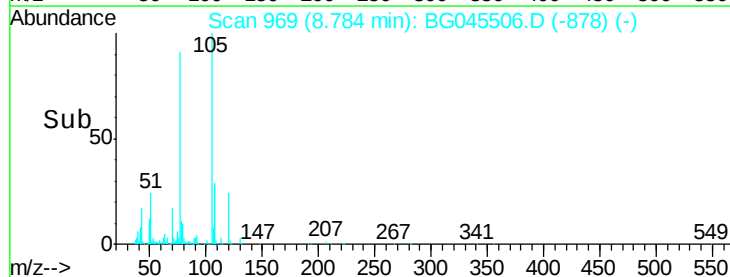
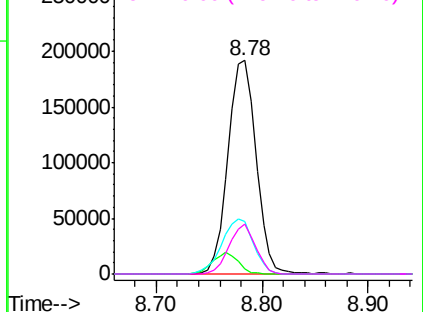


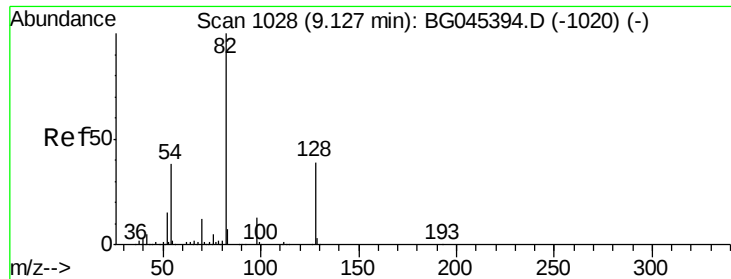
#22
Acetophenone
Concen: 47.071 ng
RT: 8.78 min Scan# 969
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt	Ion:105	Resp:	353630
Ion	Ratio	Lower	Upper
105	100		
71	2.6	3.4	5.0#
51	24.4	18.2	27.2
120	23.6	18.6	27.8



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

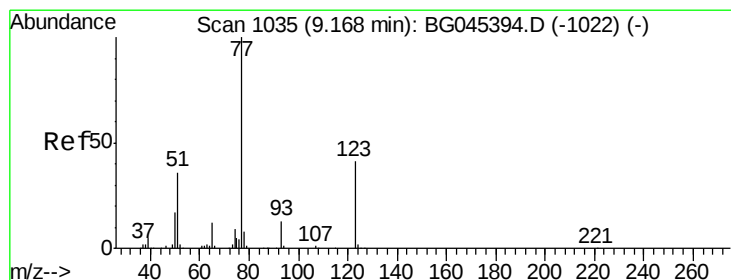
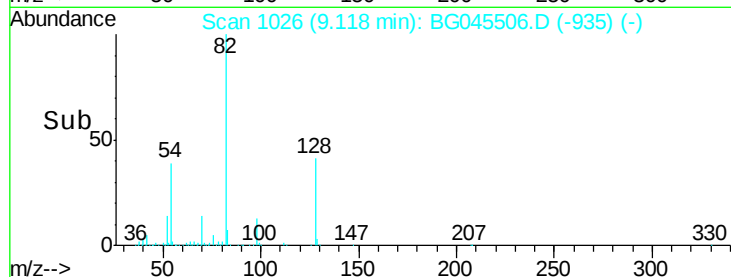
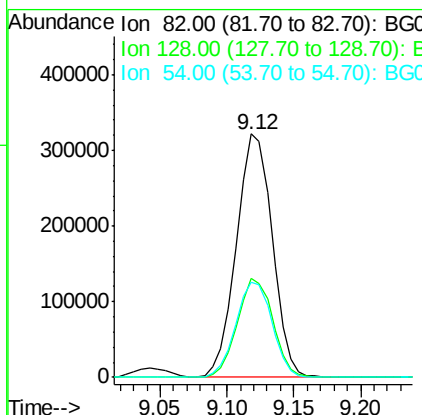
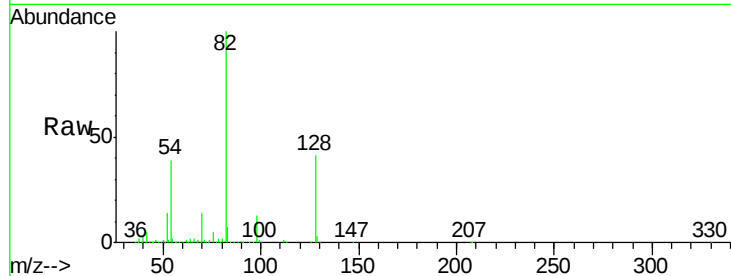




#23
 Nitrobenzene-d5
 Concen: 103.186 ng
 RT: 9.12 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

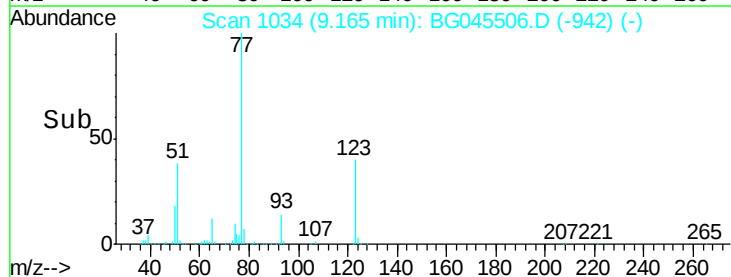
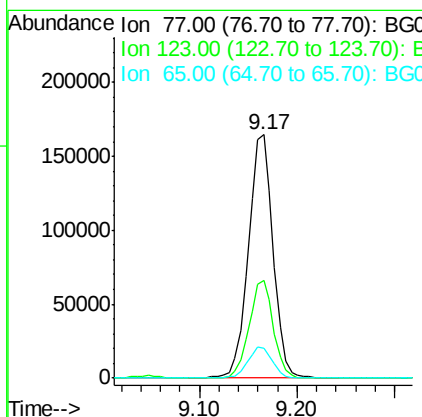
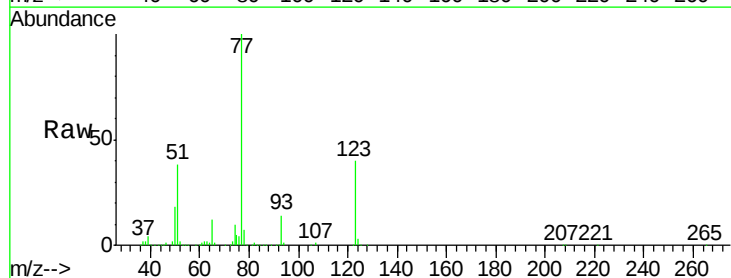
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

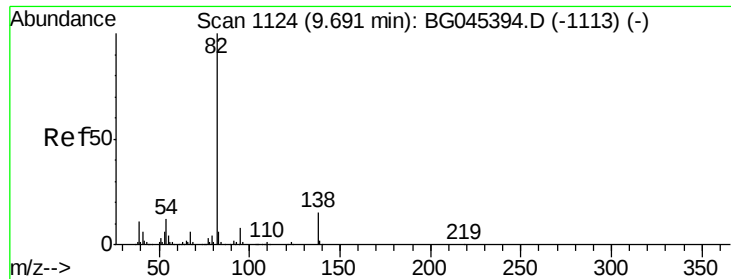
Tot Ion	82	Resp	599789
Ion Ratio	Lower	Upper	
82	100		
128	40.7	30.9	46.3
54	38.9	30.3	45.5



#24
 Nitrobenzene
 Concen: 46.913 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion	77	Resp	292162
Ion Ratio	Lower	Upper	
77	100		
123	40.2	32.9	49.3
65	12.3	9.4	14.2





#25

Isophorone

Concen: 48.392 ng

RT: 9.69 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

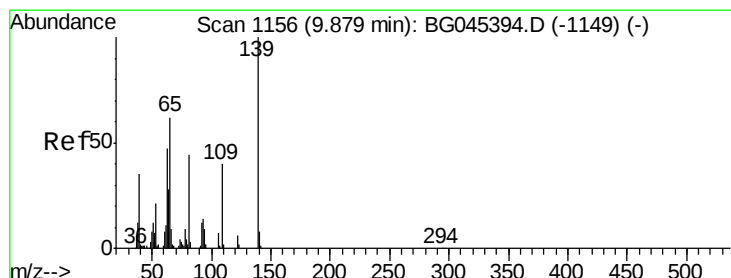
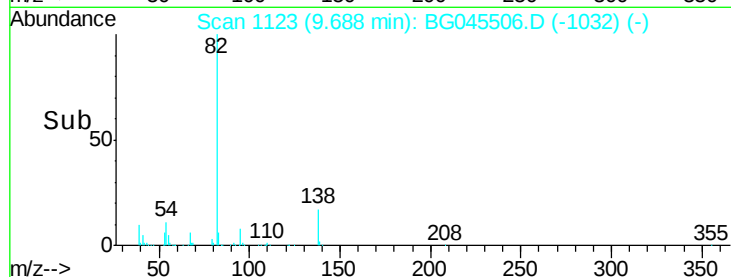
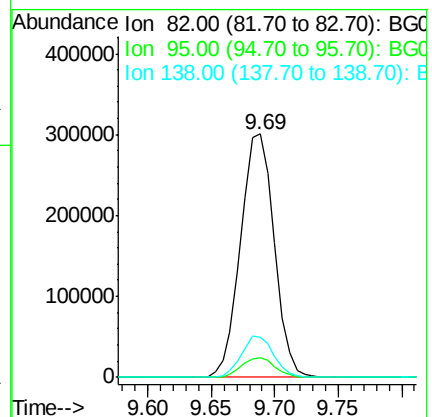
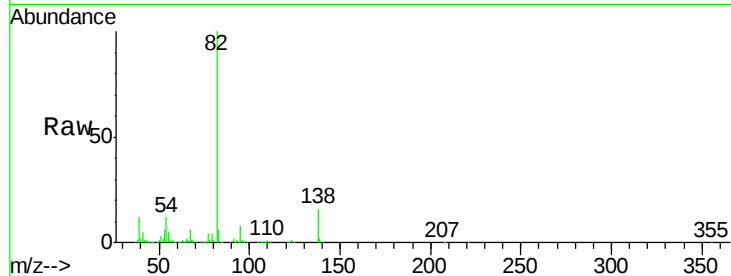
Tot Ion: 82 Resp: 553962

Ion Ratio Lower Upper

82 100

95 8.1 6.7 10.1

138 16.5 12.2 18.4



#26

2-Nitrophenol

Concen: 49.539 ng

RT: 9.88 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

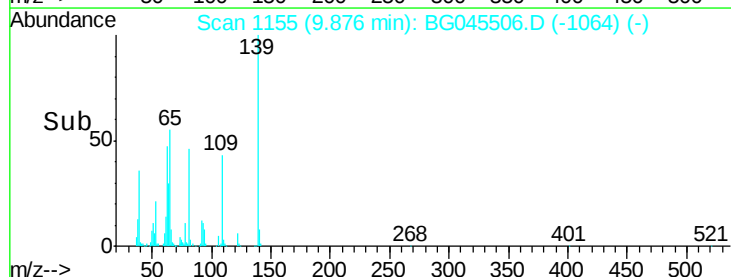
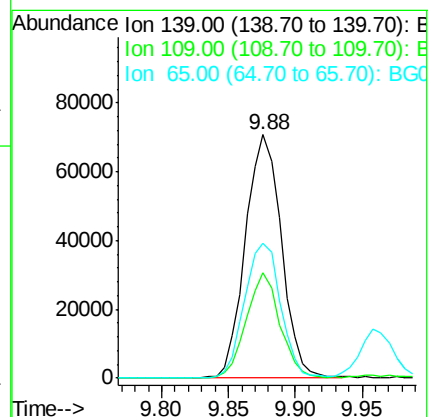
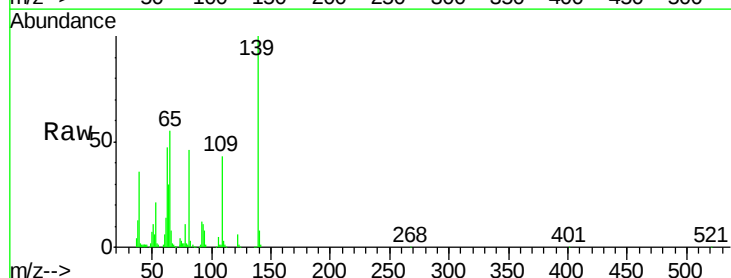
Tgt Ion: 139 Resp: 131977

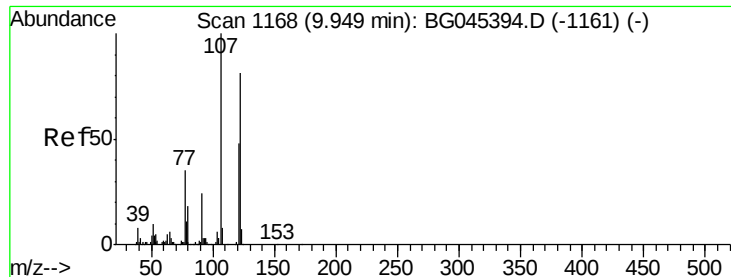
Ion Ratio Lower Upper

139 100

109 43.2 32.2 48.4

65 55.3 49.6 74.4

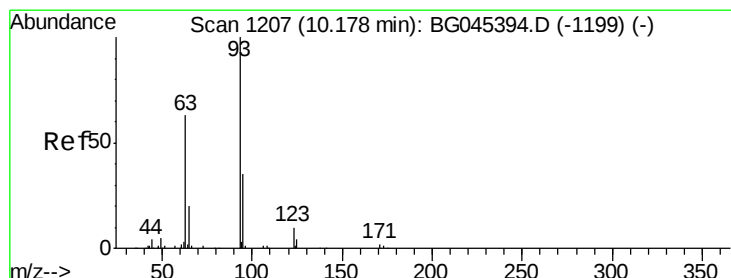
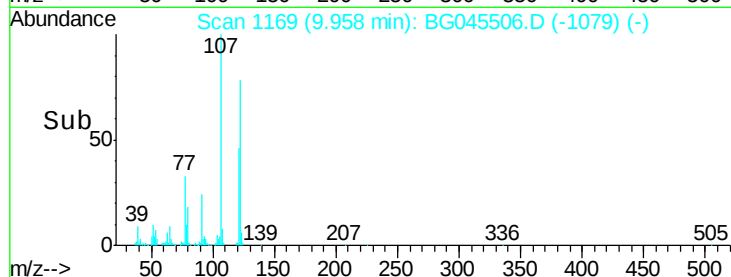
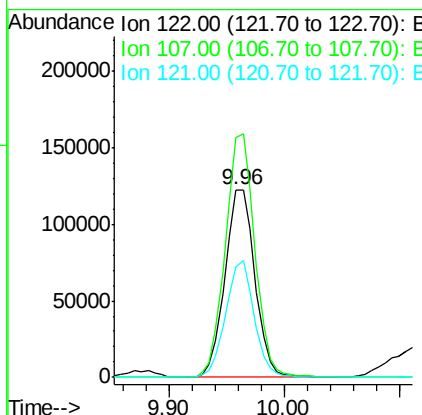
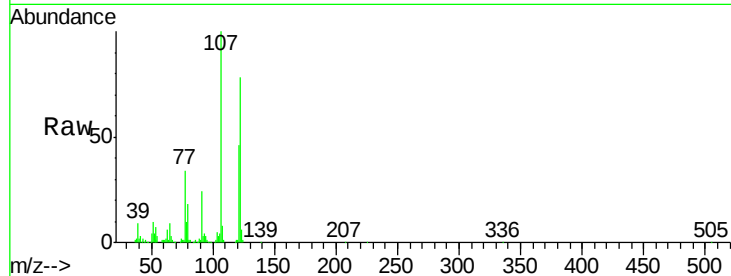




#27
 2,4-Dimethylphenol
 Concen: 56.070 ng
 RT: 9.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

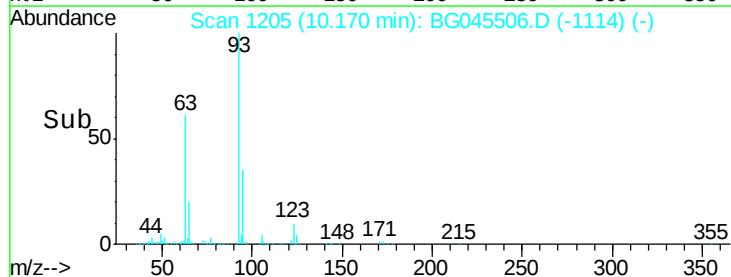
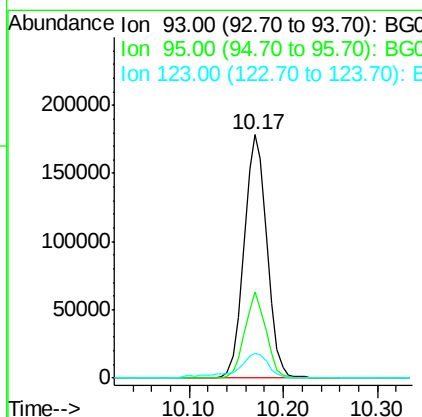
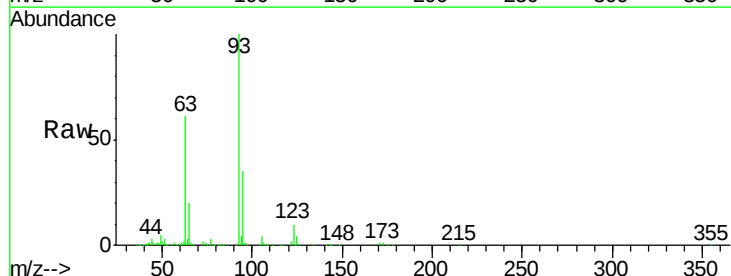
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	127.6	99.0	148.4
121	58.8	47.7	71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.809 ng
 RT: 10.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.5	27.6	41.4
123	10.1	8.1	12.1





#29

2,4-Dichlorophenol

Concen: 52.759 ng

RT: 10.43 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

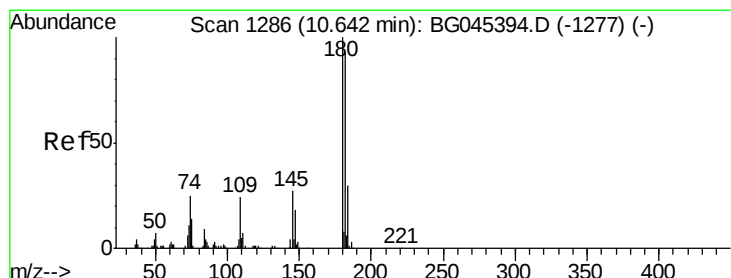
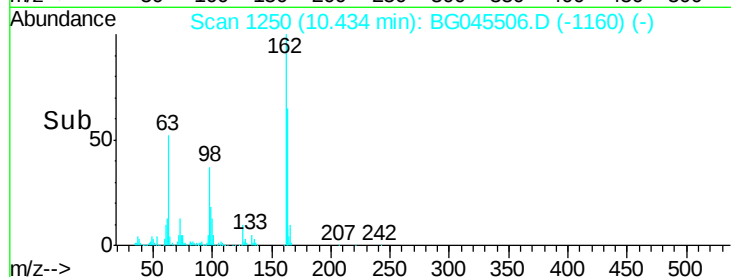
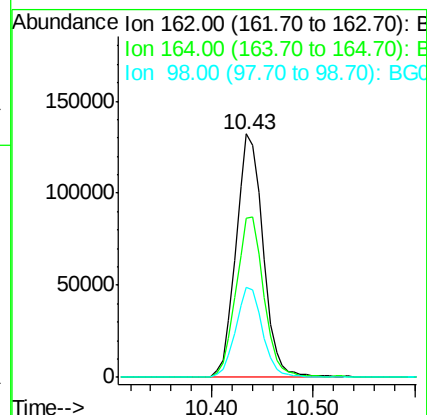
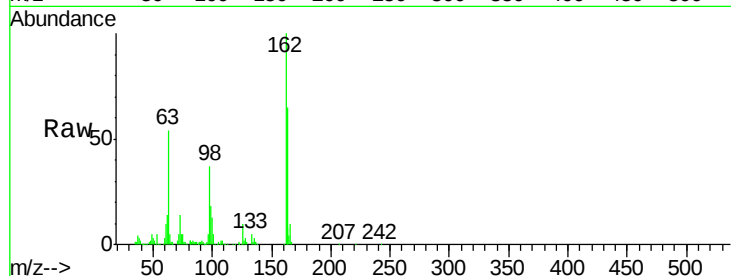
Tot Ion:162 Resp: 246173

Ion Ratio Lower Upper

162 100

164 65.5 46.8 86.8

98 36.8 15.2 55.2



#30

1,2,4-Trichlorobenzene

Concen: 48.315 ng

RT: 10.63 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

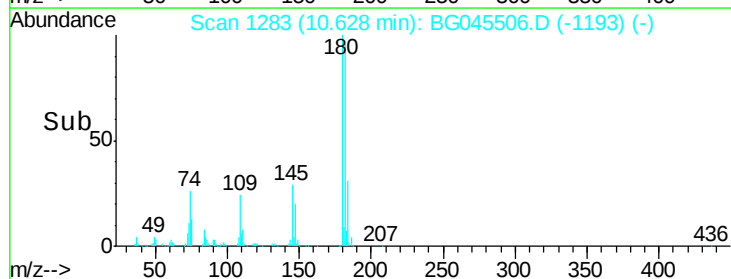
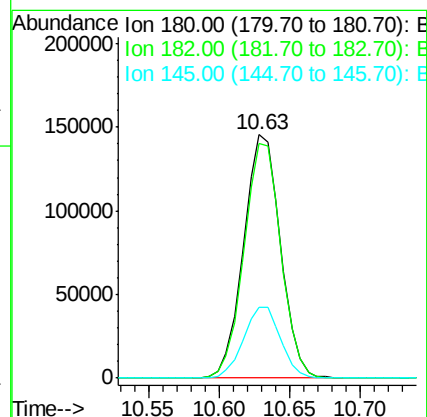
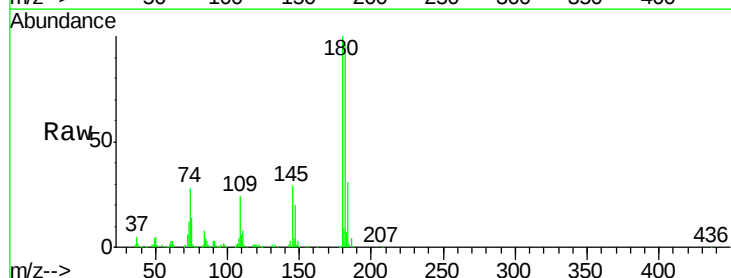
Tgt Ion:180 Resp: 266387

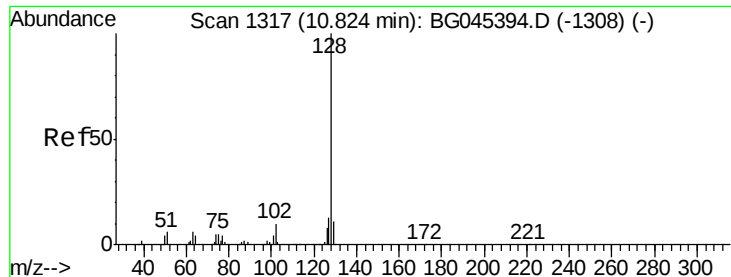
Ion Ratio Lower Upper

180 100

182 96.4 74.8 112.2

145 29.1 21.9 32.9

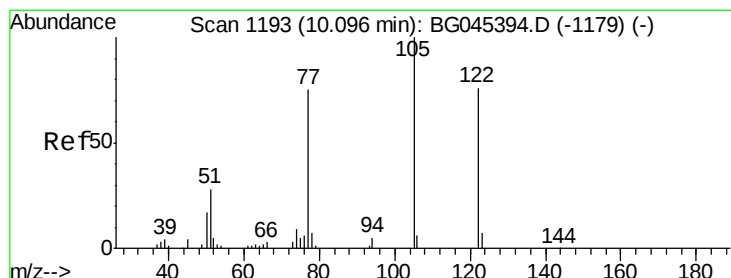
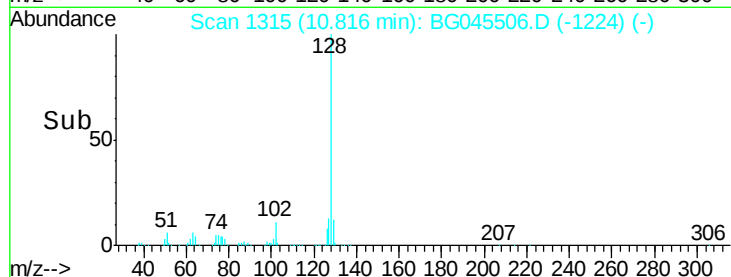
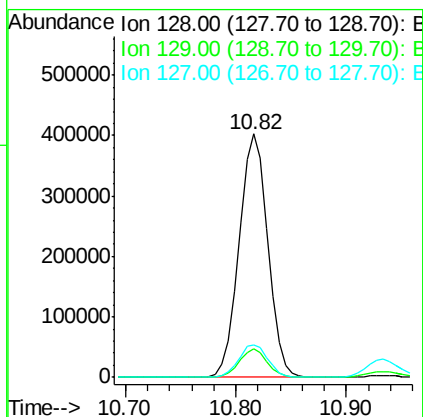
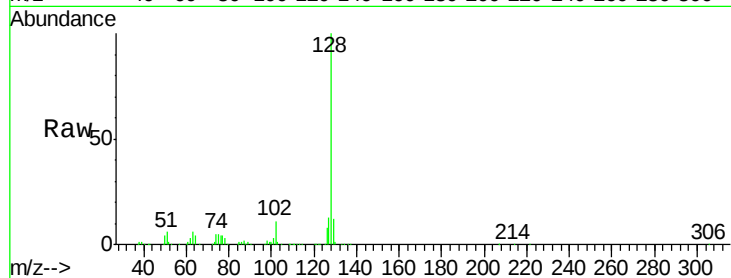




#31
Naphthalene
Concen: 49.675 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

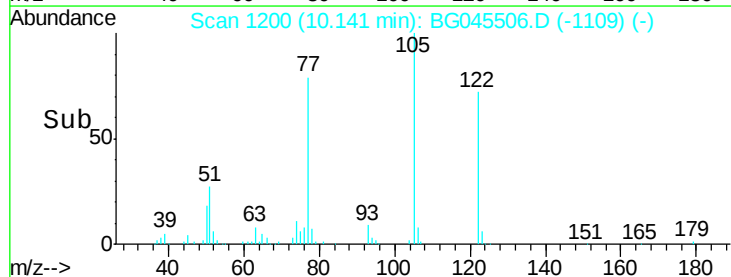
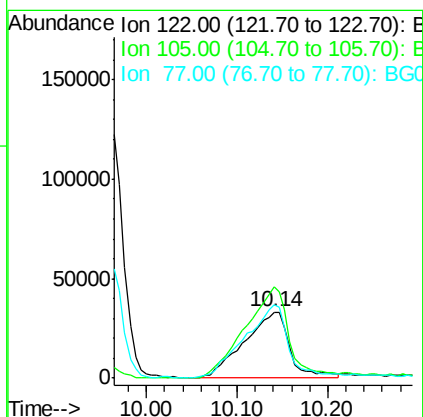
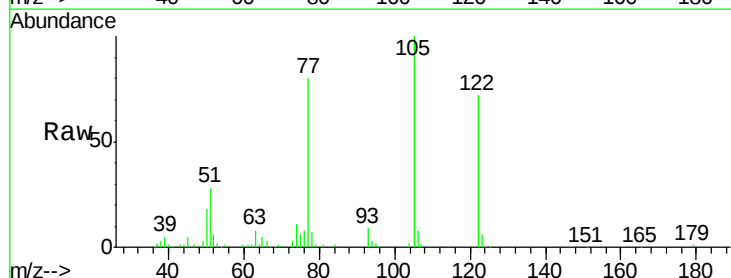
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion:128 Resp: 733734
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 43.395 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:122 Resp: 113352
Ion Ratio Lower Upper
122 100
105 139.2 107.9 147.9
77 111.1 78.9 118.9

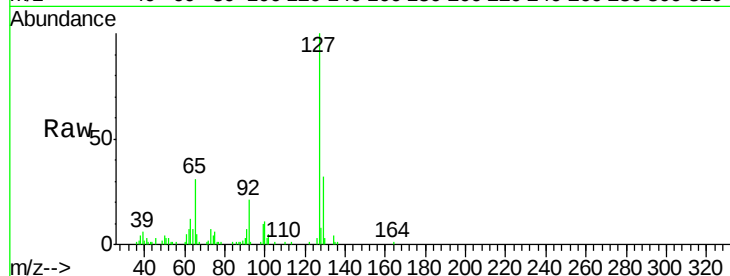




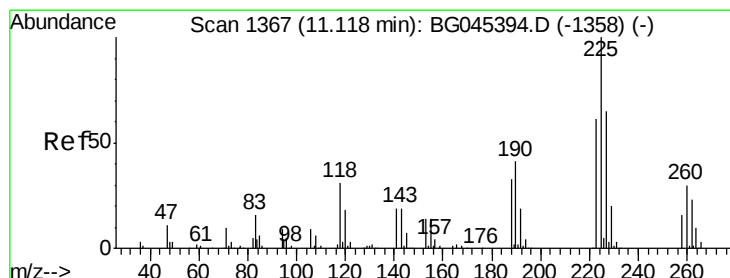
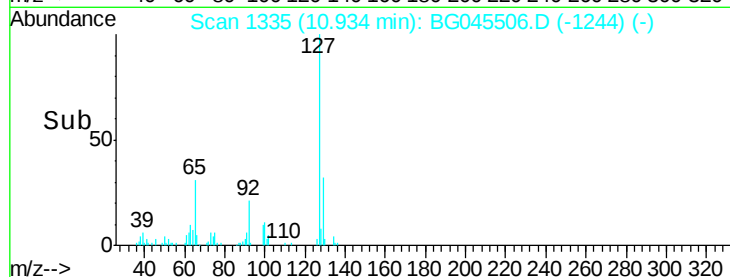
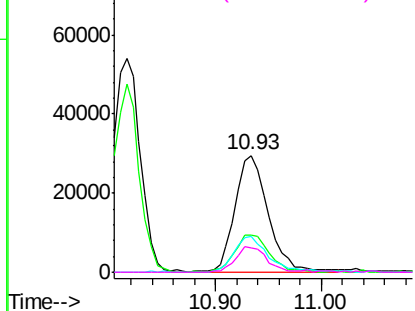
#33
4-Chloroaniline
Concen: 10.509 ng
RT: 10.93 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion:127	Resp:	64887
Ion Ratio	Lower	Upper
127	100	
129	32.1	24.7 37.1
65	30.9	26.2 39.2
92	21.2	17.9 26.9

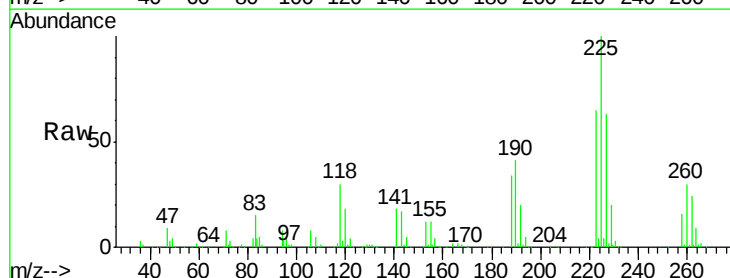


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

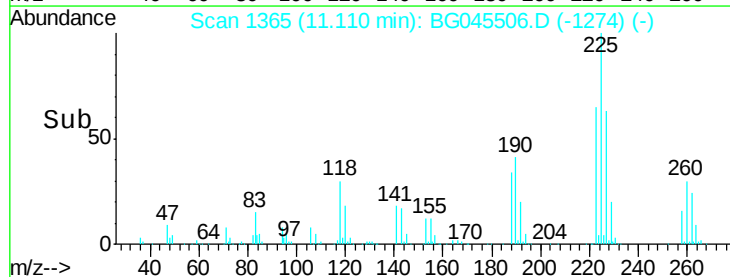
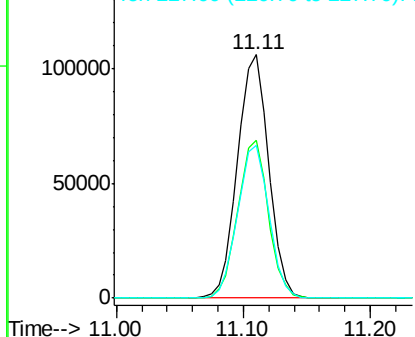


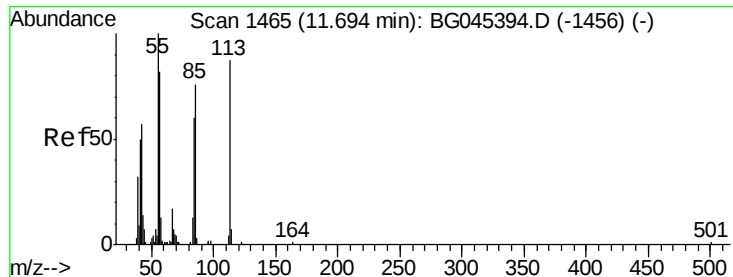
#34
Hexachlorobutadiene
Concen: 46.460 ng
RT: 11.11 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:225	Resp:	181073
Ion Ratio	Lower	Upper
225	100	
223	64.6	49.1 73.7
227	62.9	52.0 78.0



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





#35

Caprolactam

Concen: 19.225 ng

RT: 11.70 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

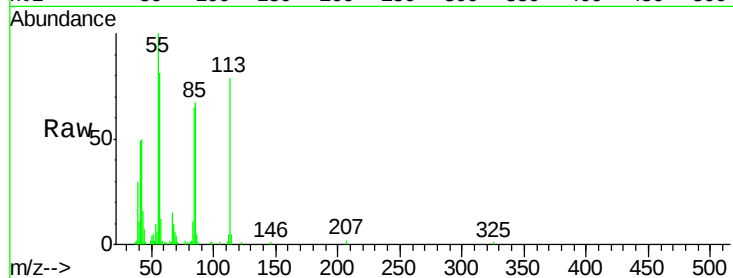
Tot Ion:113 Resp: 32925

Ion Ratio Lower Upper

113 100

55 127.4 96.0 136.0

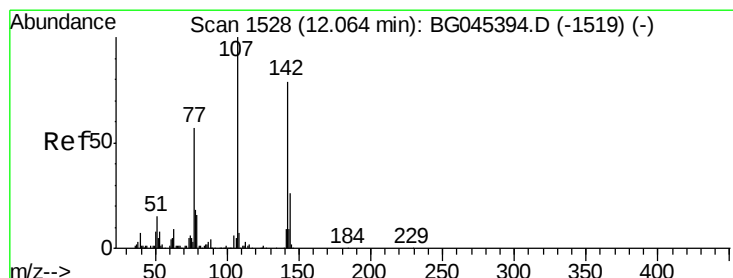
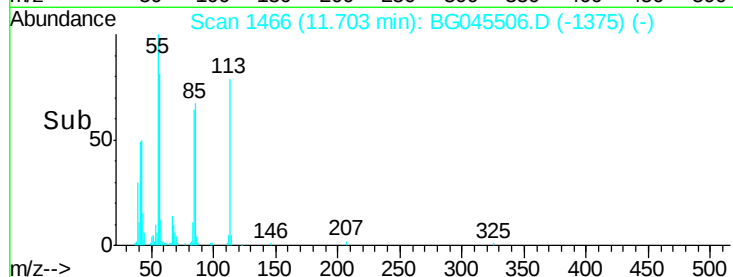
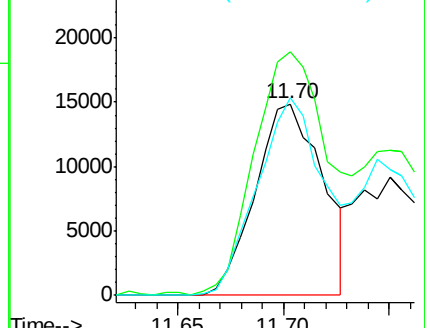
56 103.4 75.1 115.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 53.054 ng

RT: 12.09 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

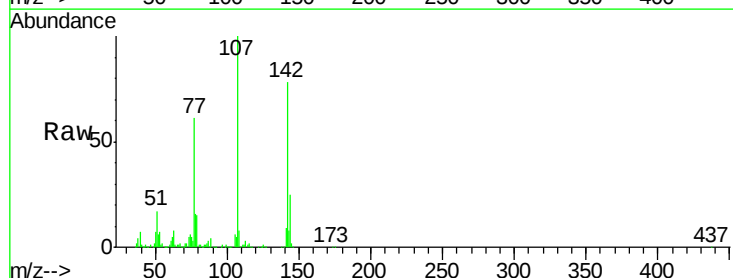
Tgt Ion:107 Resp: 278950

Ion Ratio Lower Upper

107 100

144 25.4 20.8 31.2

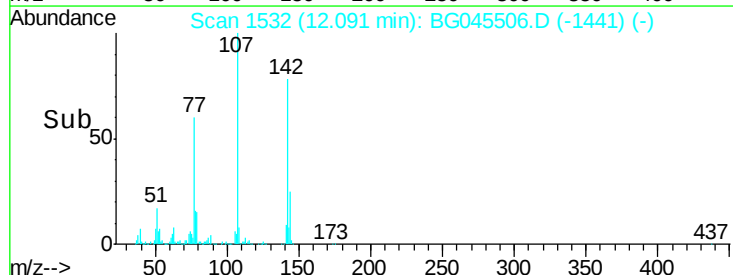
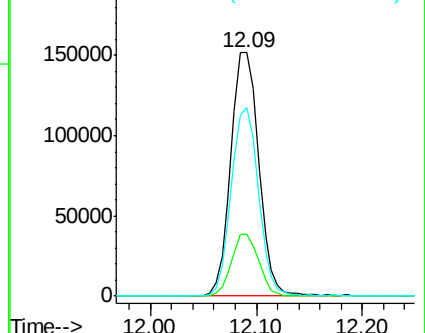
142 77.6 62.8 94.2

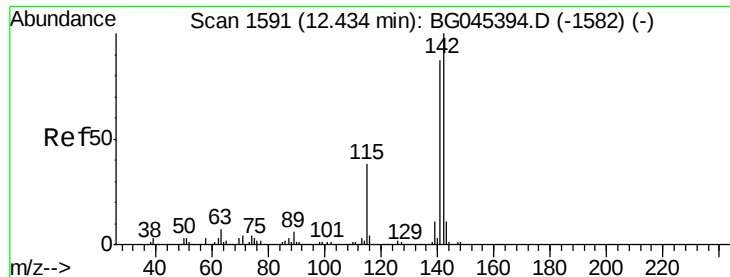


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

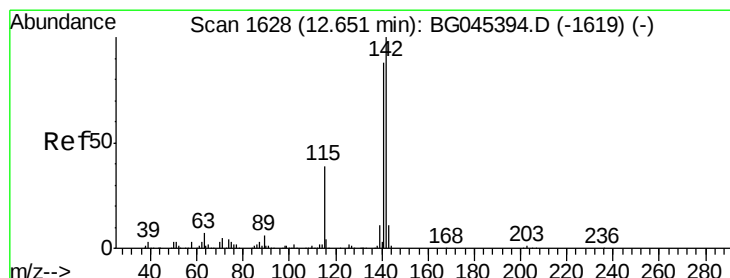
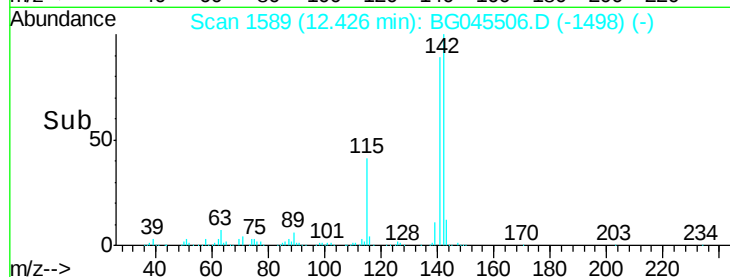
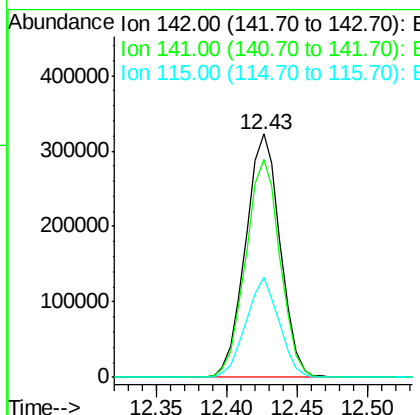
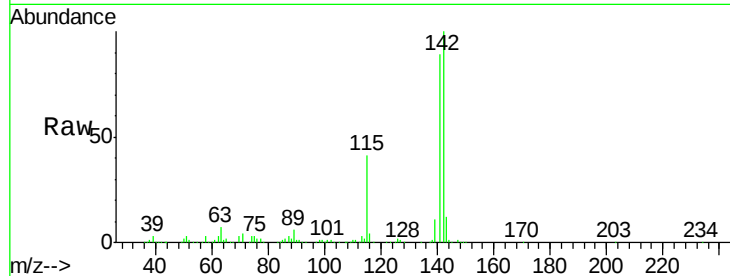




#37
 2-Methylnaphthalene
 Concen: 50.403 ng
 RT: 12.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

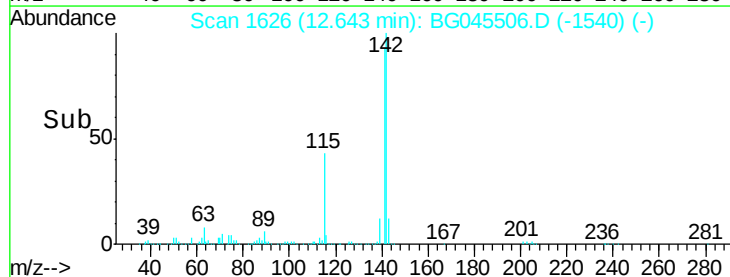
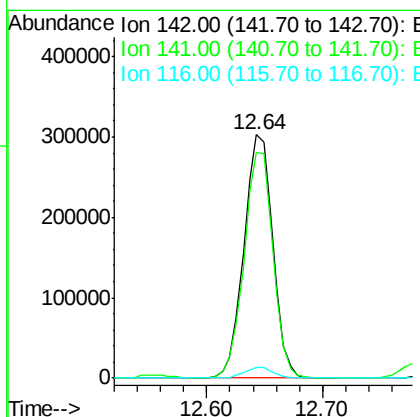
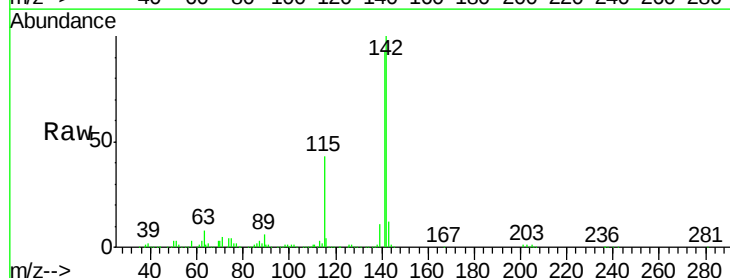
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

Tot Ion:142 Resp: 554896
 Ion Ratio Lower Upper
 142 100
 141 89.5 70.0 105.0
 115 41.4 30.8 46.2



#38
 1-Methylnaphthalene
 Concen: 50.517 ng
 RT: 12.64 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:142 Resp: 525362
 Ion Ratio Lower Upper
 142 100
 141 92.9 70.8 106.2
 116 4.4 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

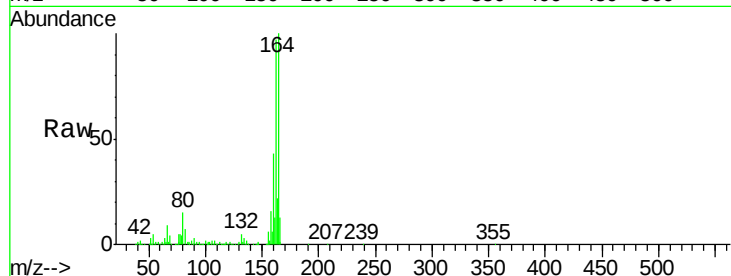
Tot Ion:164 Resp: 230412

Ion Ratio Lower Upper

164 100

162 96.7 76.9 115.3

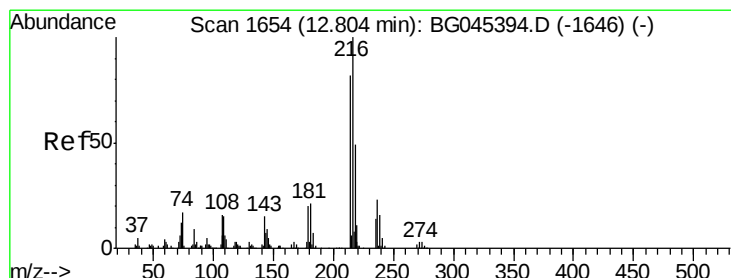
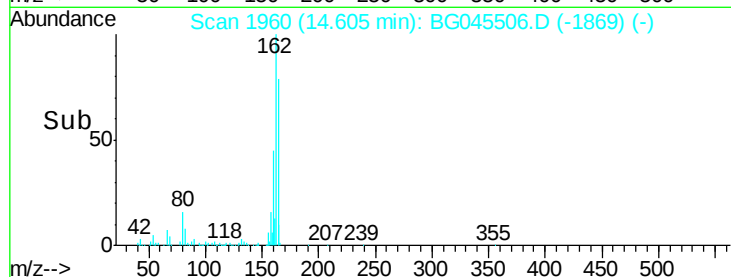
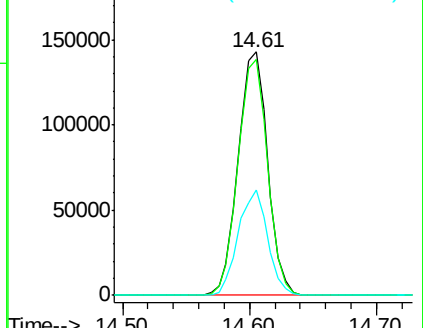
160 43.3 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.284 ng

RT: 12.80 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Tgt Ion:216 Resp: 323615

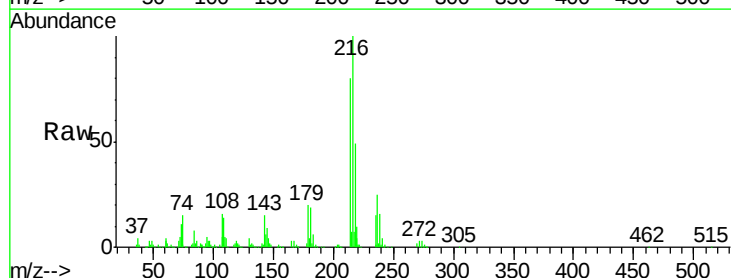
Ion Ratio Lower Upper

216 100

214 78.7 63.7 95.5

179 19.6 16.1 24.1

108 17.8 13.8 20.6

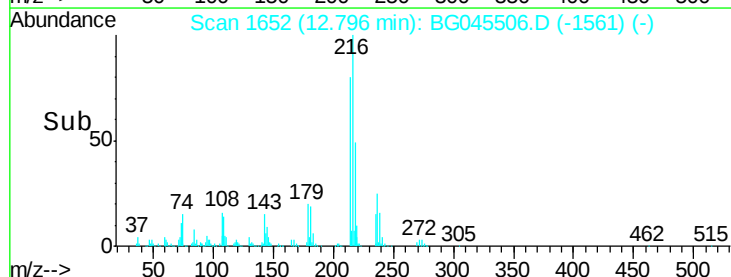
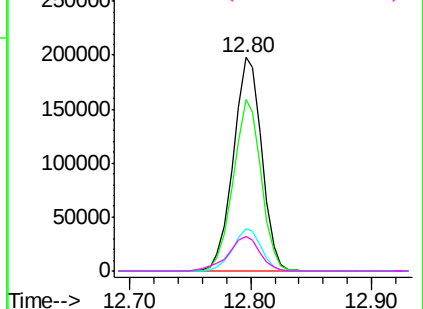


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 73.023 ng

RT: 12.78 min Scan# 1649

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

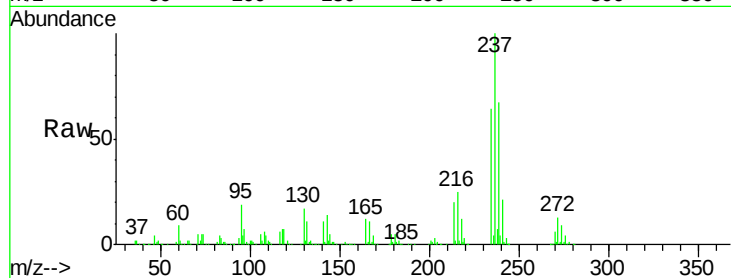
Tot Ion:237 Resp: 271251

Ion Ratio Lower Upper

237 100

235 63.6 44.4 84.4

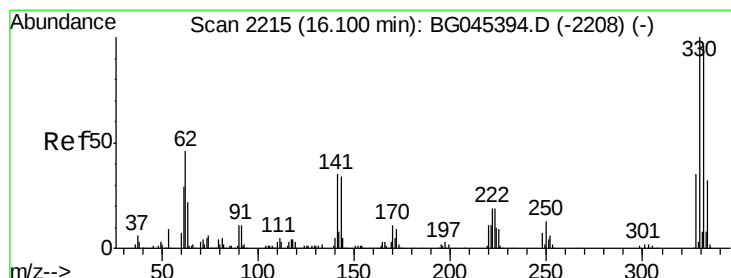
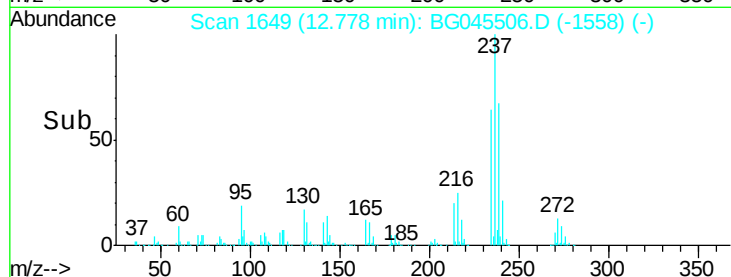
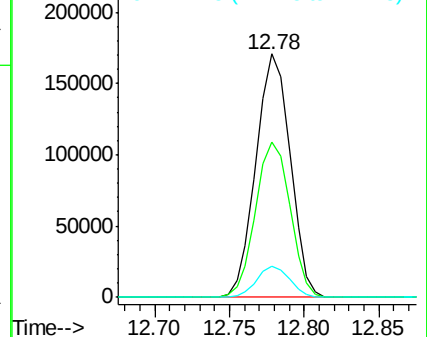
272 12.8 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 151.409 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

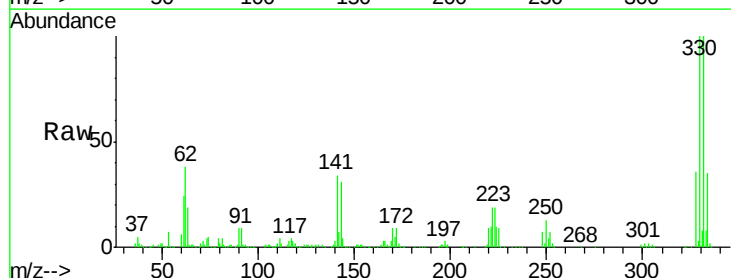
Tgt Ion:330 Resp: 446159

Ion Ratio Lower Upper

330 100

332 98.3 78.2 117.4

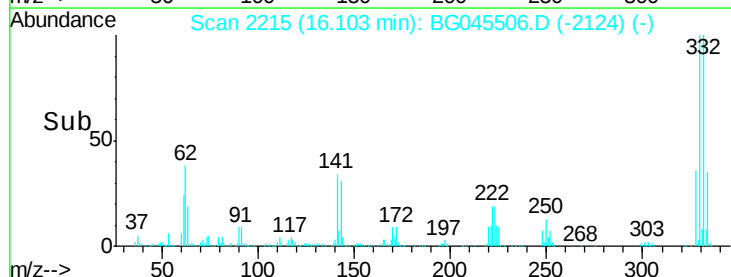
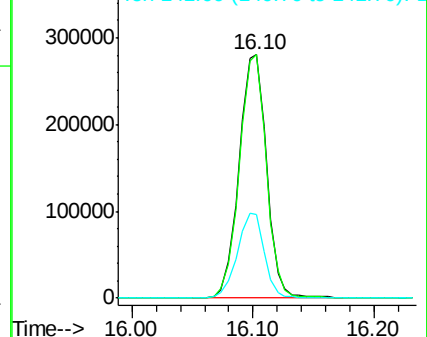
141 34.3 28.2 42.4

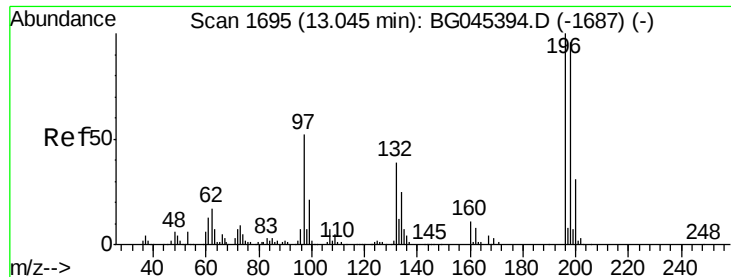


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

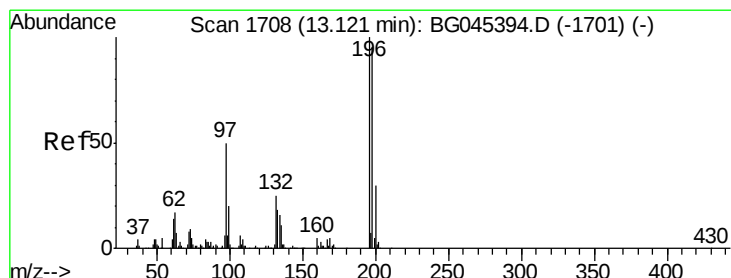
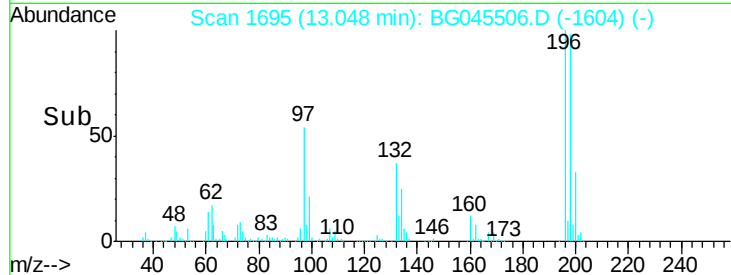
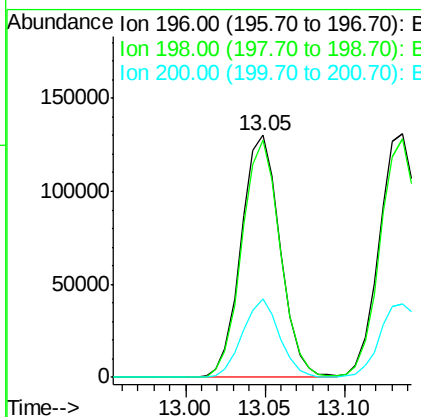
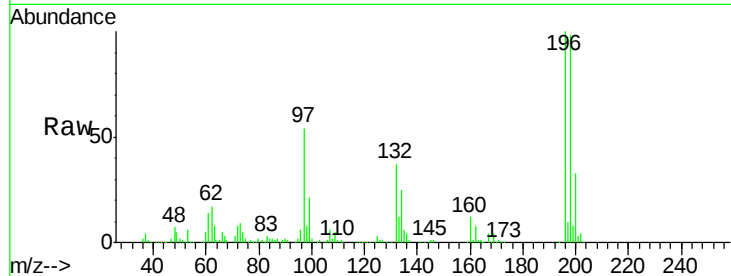




#43
 2,4,6-Trichlorophenol
 Concen: 49.727 ng
 RT: 13.05 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

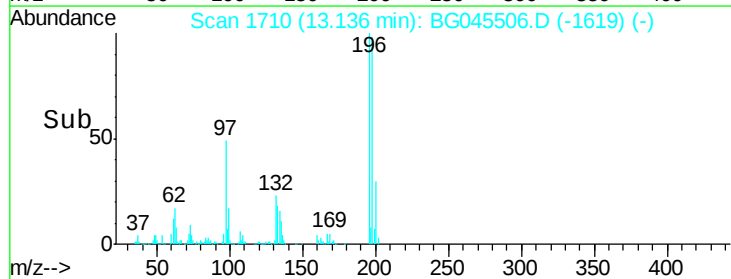
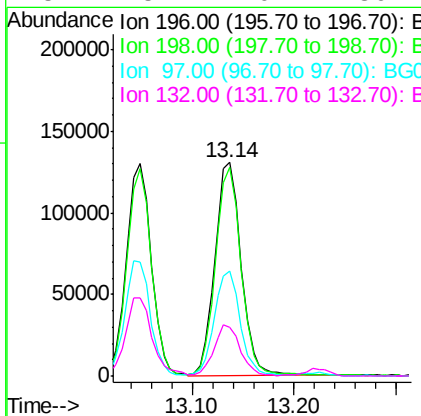
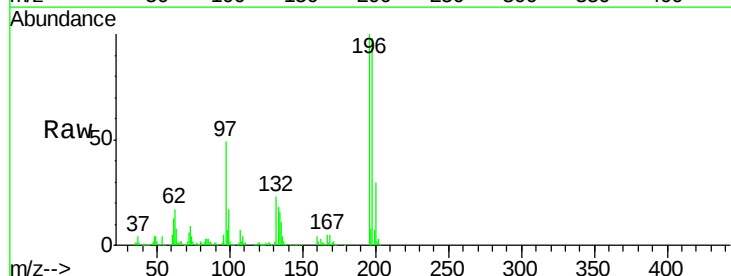
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

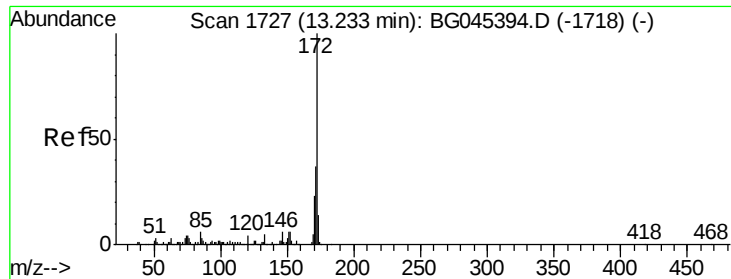
Tot Ion:196	Resp:	222315
Ion Ratio	Lower	Upper
196	100	
198	97.8	76.7 115.1
200	32.5	24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 45.934 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:196	Resp:	234670
Ion Ratio	Lower	Upper
196	100	
198	97.8	76.1 114.1
97	49.2	40.0 60.0
132	23.1	20.2 30.2



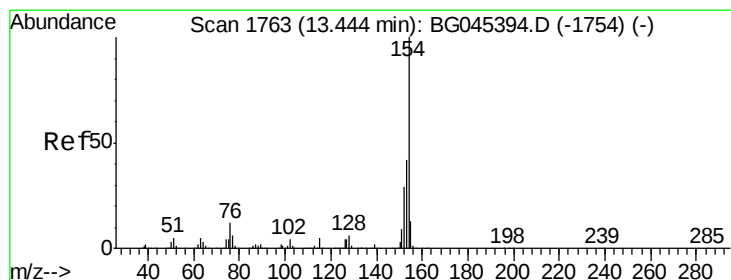
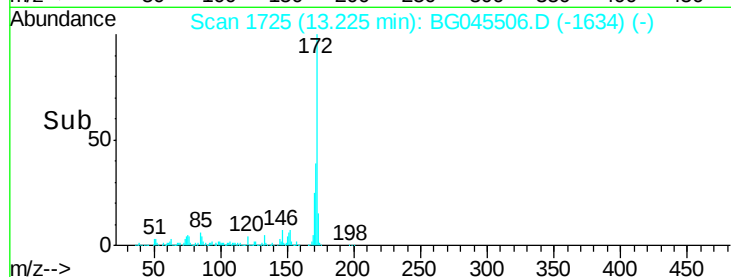
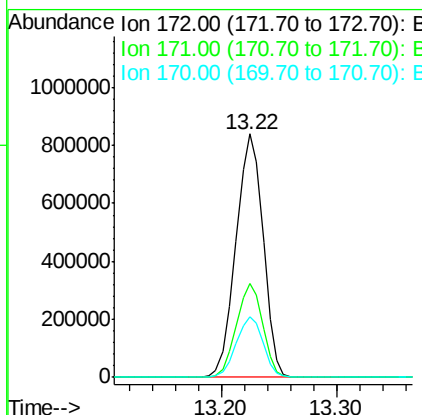
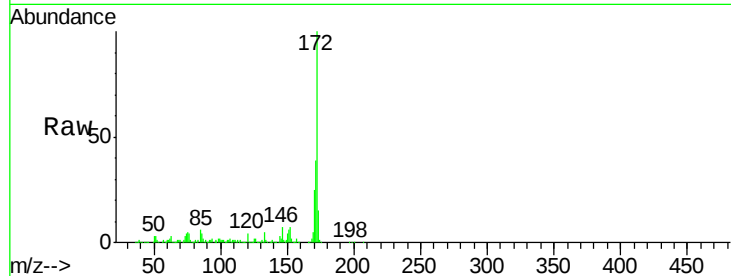


#45
 2-Fluorobiphenyl
 Concen: 100.778 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

Tot Ion:172 Resp: 1368962

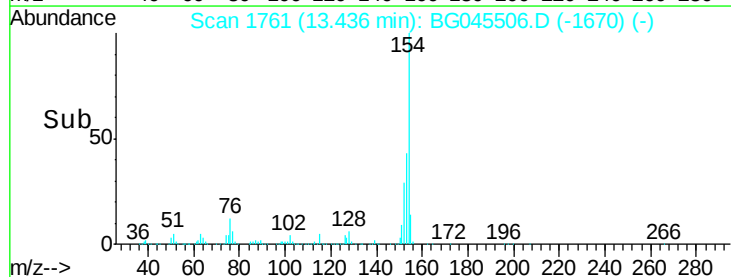
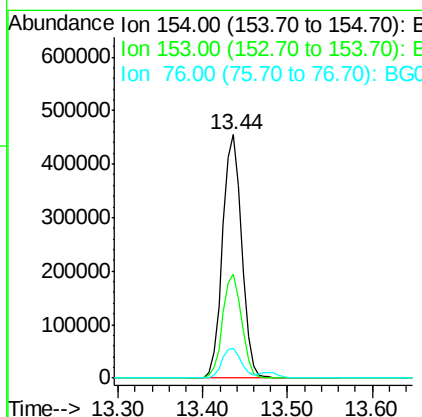
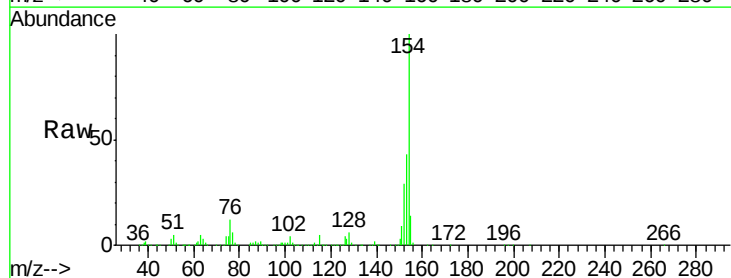
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.5	44.3
170	24.9	18.5	27.7



#46
 1,1'-Biphenyl
 Concen: 50.266 ng
 RT: 13.44 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:154 Resp: 711651

Ion	Ratio	Lower	Upper
154	100		
153	42.6	22.2	62.2
76	12.5	0.0	32.4

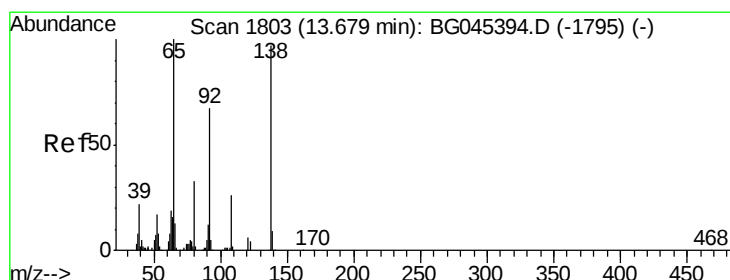
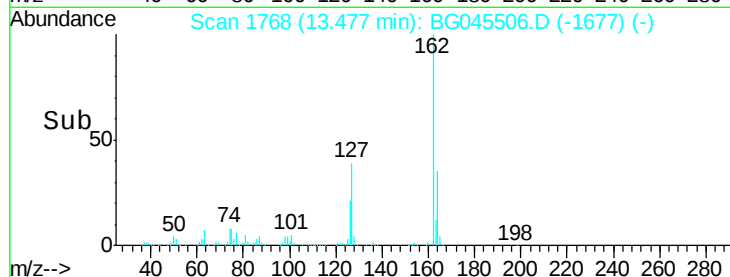
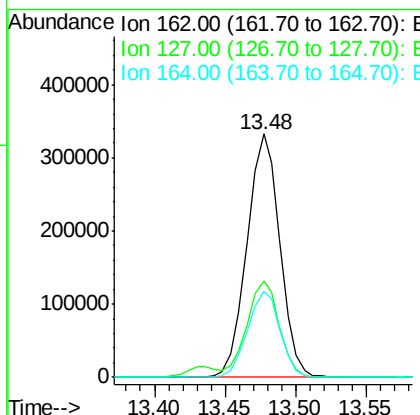
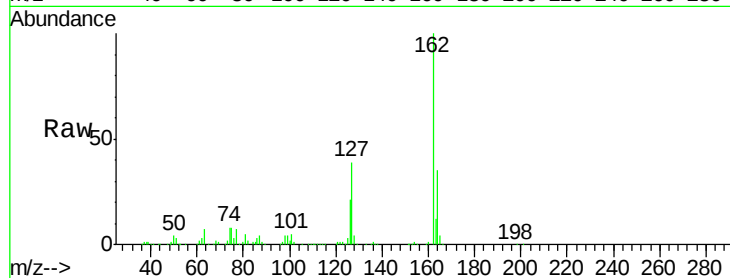




#47
2-Chloronaphthalene
Concen: 47.234 ng
RT: 13.48 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

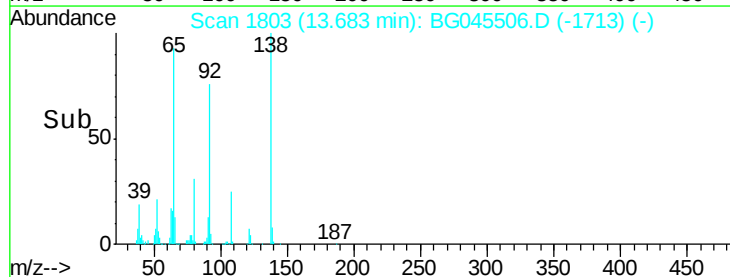
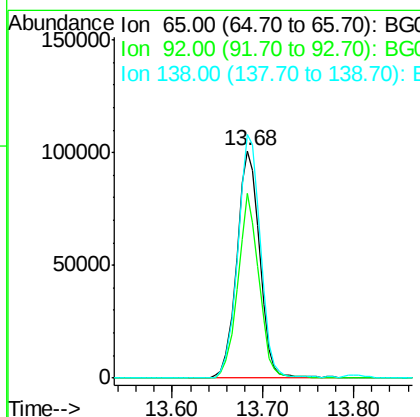
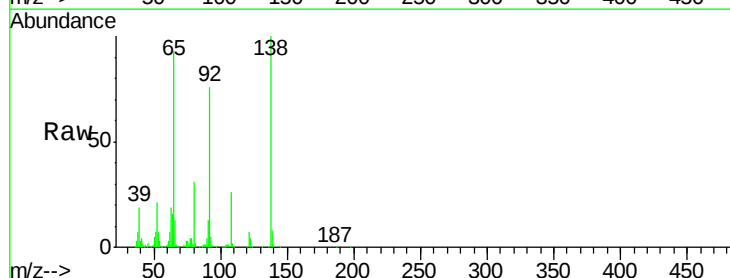
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

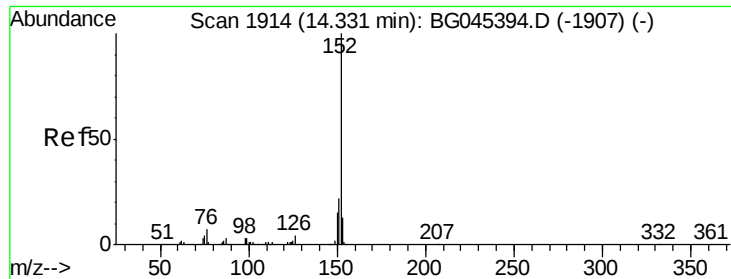
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.6	47.4
164	35.4	28.1	42.1



#48
2-Nitroaniline
Concen: 46.850 ng
RT: 13.68 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion	Ratio	Lower	Upper
65	100		
92	81.1	53.8	80.8#
138	107.1	77.9	116.9





#49

Acenaphthylene

Concen: 48.902 ng

RT: 14.32 min Scan# 1912

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

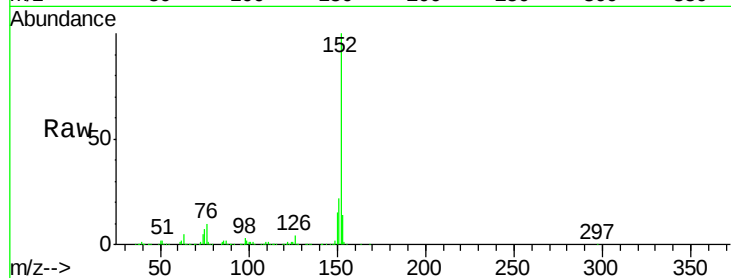
Tot Ion:152 Resp: 903058

Ion Ratio Lower Upper

152 100

151 21.5 17.4 26.2

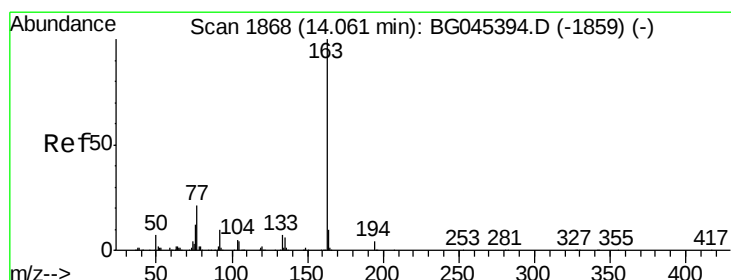
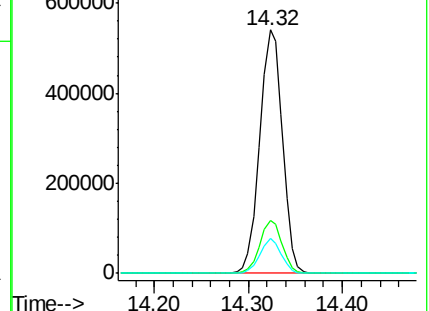
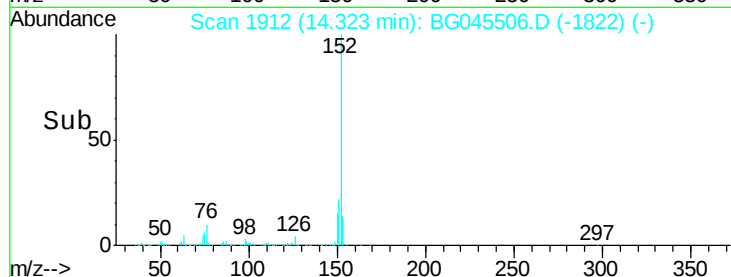
153 14.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.224 ng

RT: 14.06 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

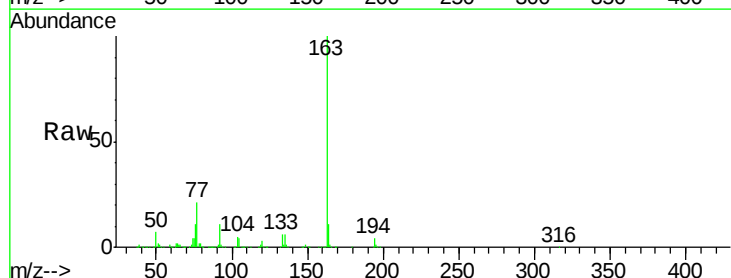
Tgt Ion:163 Resp: 888682

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

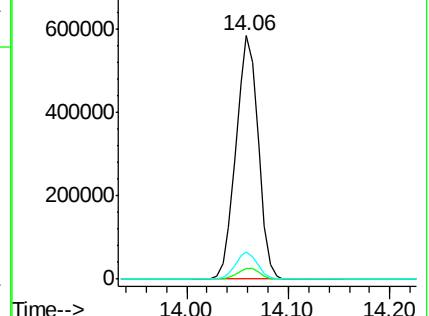
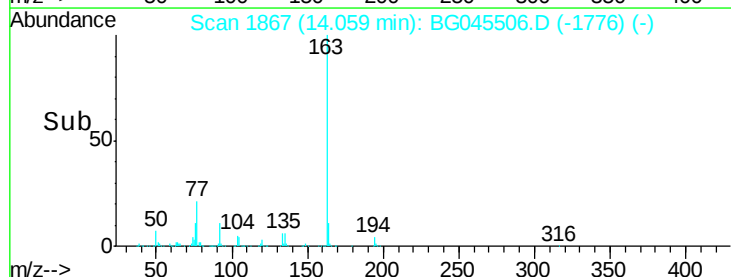
164 11.1 8.3 12.5

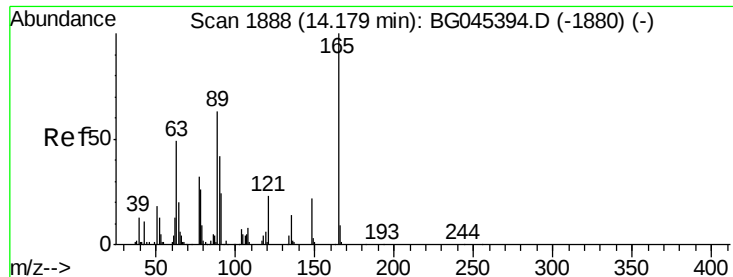


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

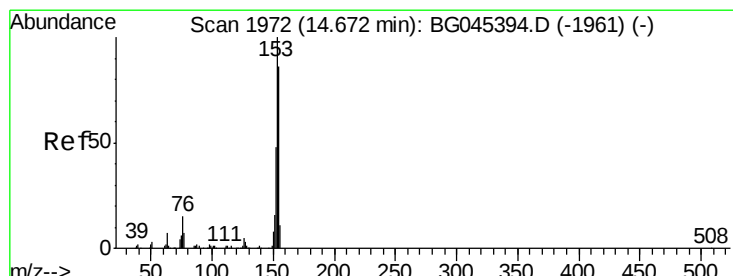
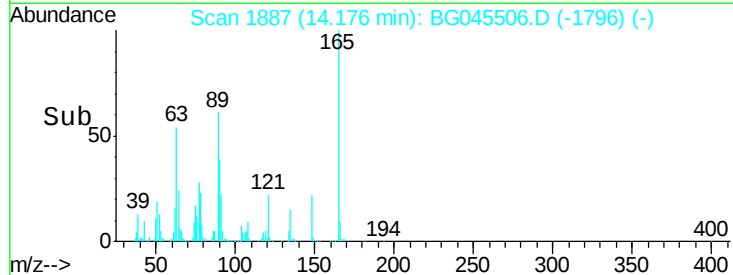
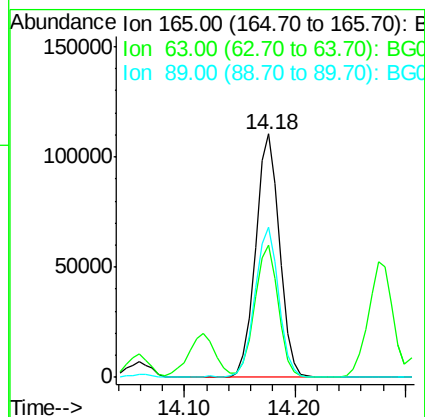
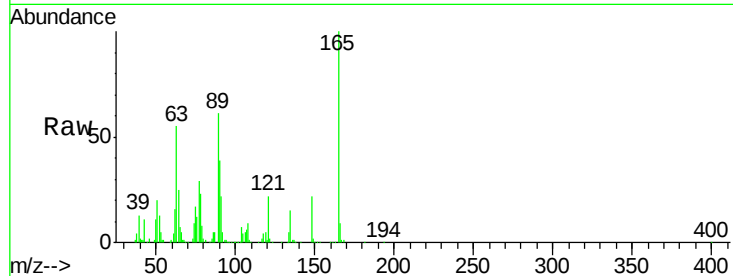




#51
 2,6-Dinitrotoluene
 Concen: 46.987 ng
 RT: 14.18 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

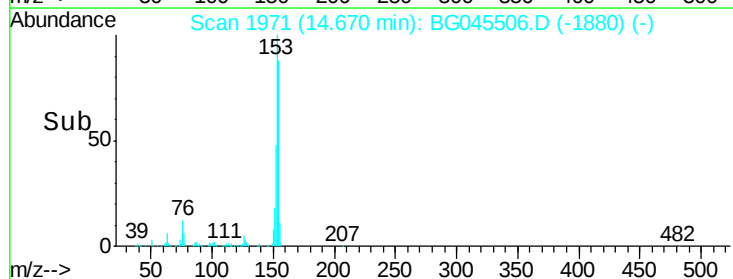
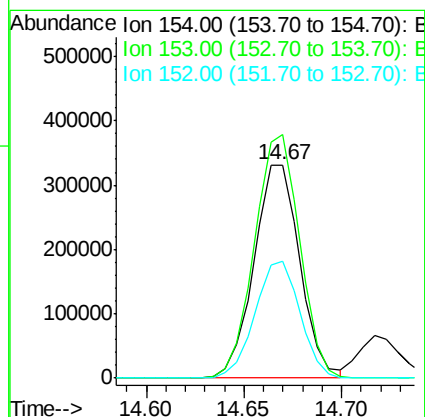
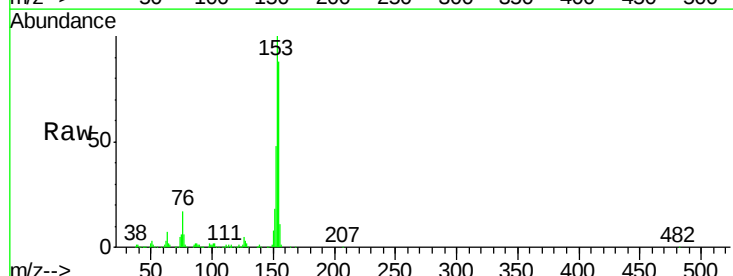
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

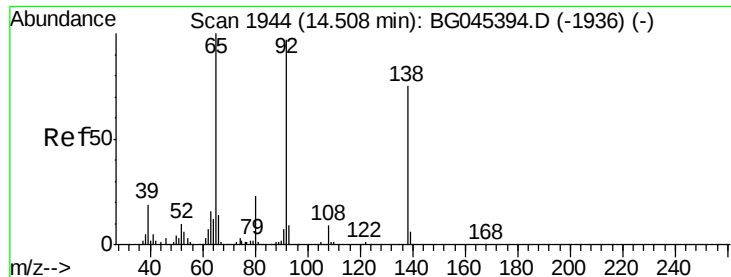
Tot Ion:165 Resp: 167586
 Ion Ratio Lower Upper
 165 100
 63 54.5 45.0 67.4
 89 61.4 50.2 75.4



#52
 Acenaphthene
 Concen: 43.597 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:154 Resp: 538909
 Ion Ratio Lower Upper
 154 100
 153 114.1 92.8 139.2
 152 54.9 44.6 66.8

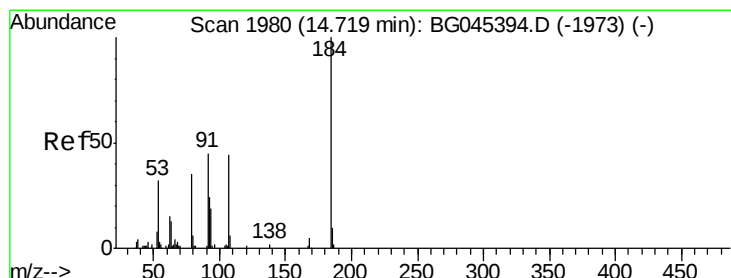
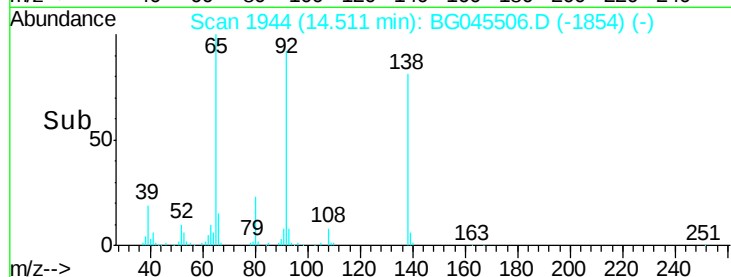
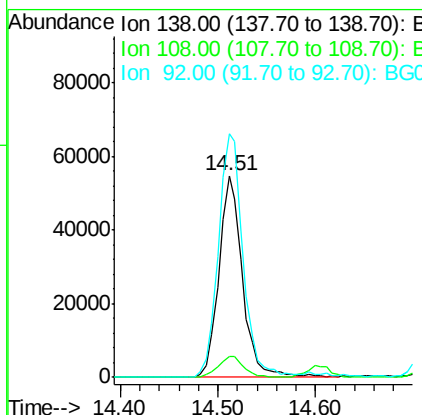
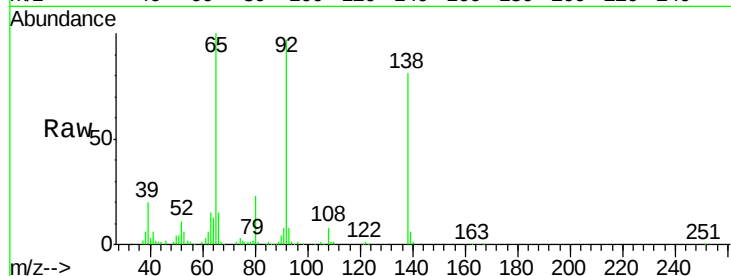




#53
3-Nitroaniline
Concen: 25.267 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

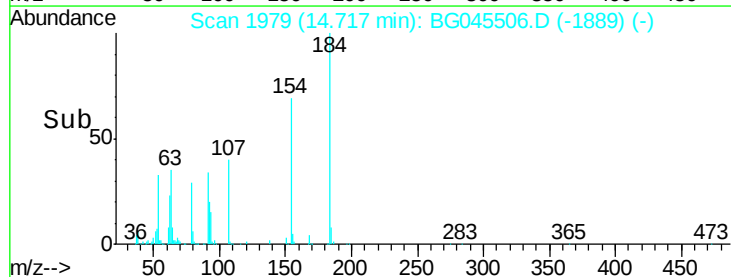
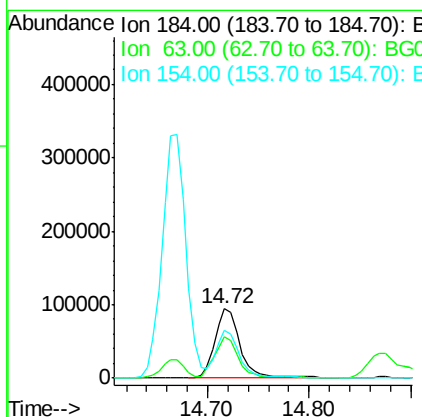
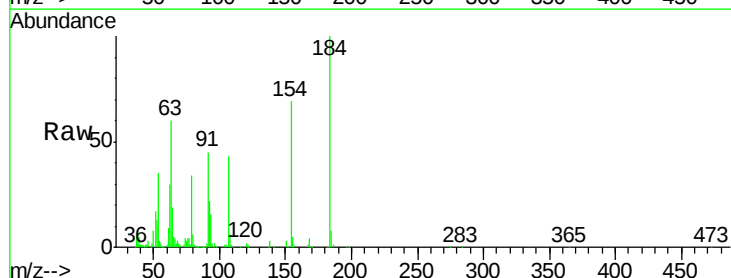
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

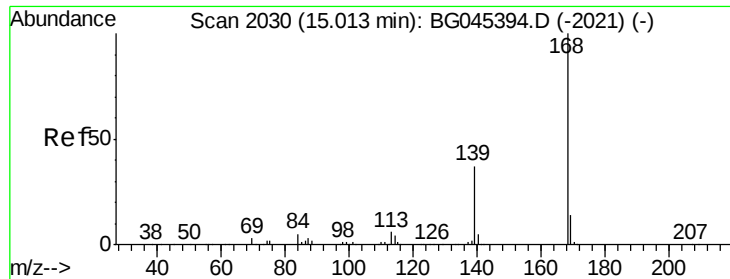
Tot Ion:138 Resp: 91610
Ion Ratio Lower Upper
138 100
108 10.5 9.8 14.6
92 120.6 103.0 154.4



#54
2,4-Dinitrophenol
Concen: 70.295 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:184 Resp: 162577
Ion Ratio Lower Upper
184 100
63 59.8 47.8 71.6
154 69.2 58.3 87.5

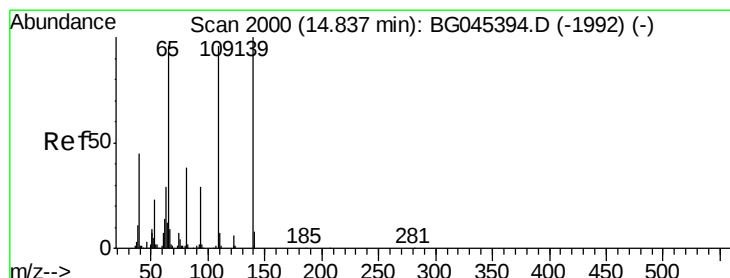
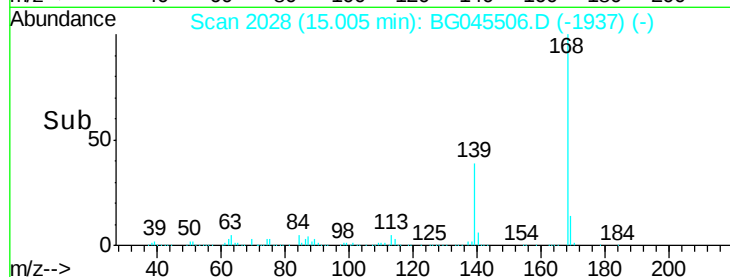
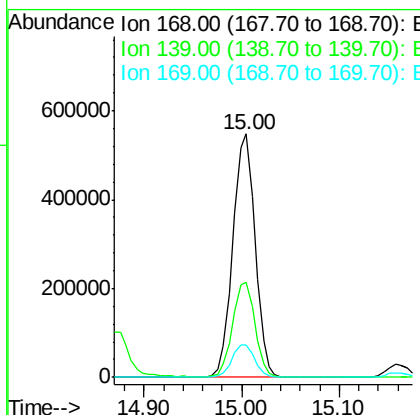
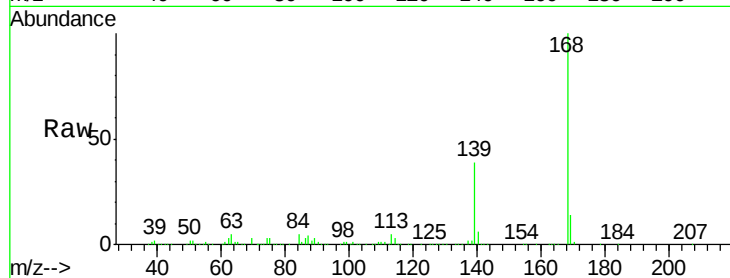




#55
Dibenzenofuran
Concen: 47.385 ng
RT: 15.00 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

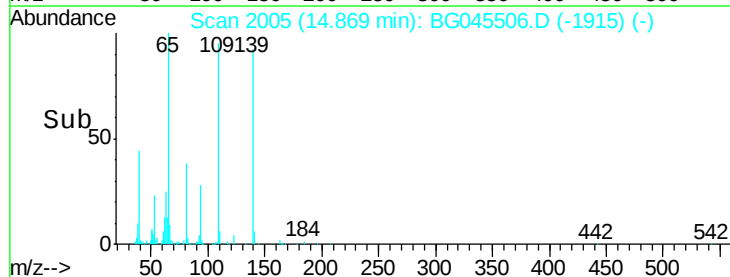
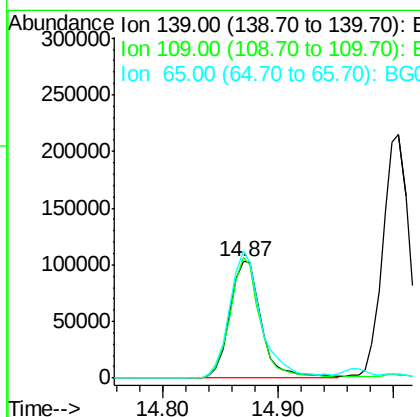
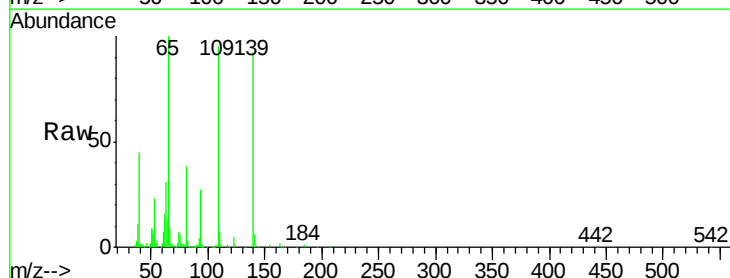
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	29.9	44.9
169	13.5	10.9	16.3



#56
4-Nitrophenol
Concen: 71.121 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	103.6	75.6	115.6
65	108.8	76.8	116.8

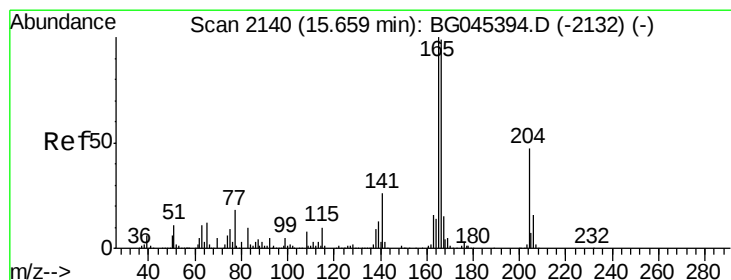
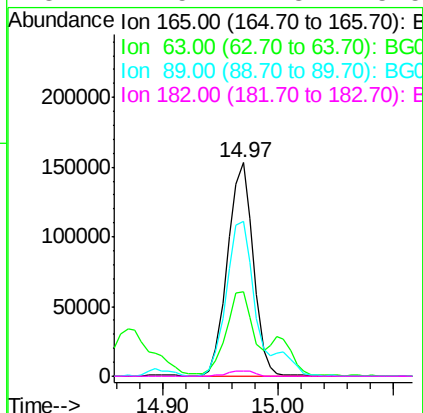
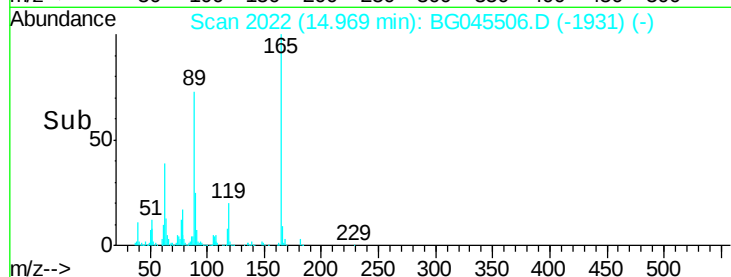
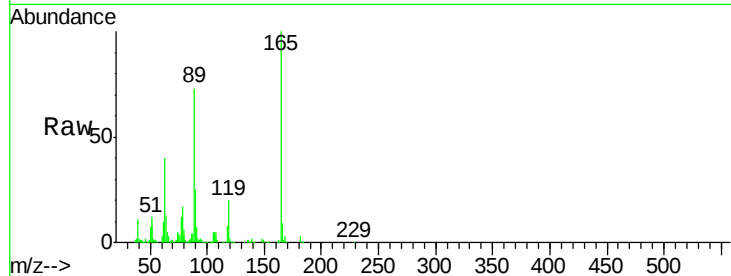




#57
2,4-Dinitrotoluene
Concen: 45.783 ng
RT: 14.97 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

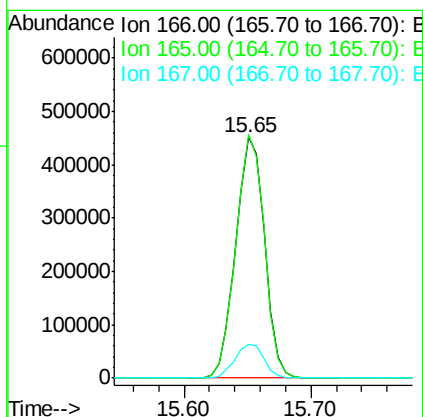
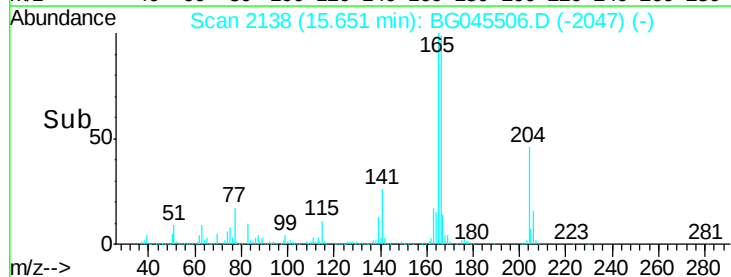
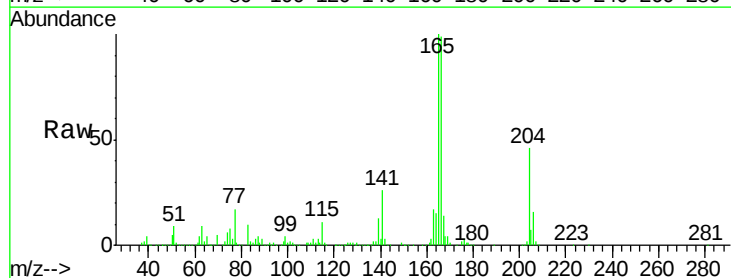
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

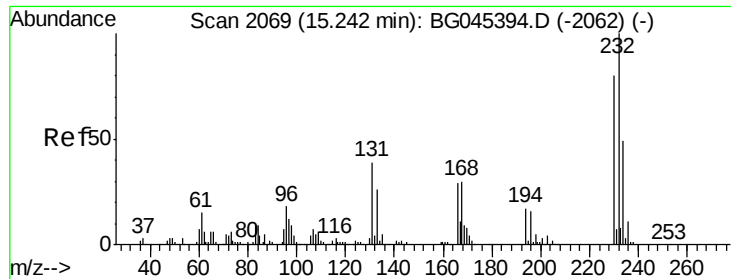
Tot Ion:165	Resp:	236491	
Ion Ratio	Lower	Upper	
165 100			
63 39.6	32.5	48.7	
89 72.6	61.8	92.6	
182 2.5	2.3	3.5	



#58
Fluorene
Concen: 47.071 ng
RT: 15.65 min Scan# 2138
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt	Ion:166	Resp:	709873
Ion	Ratio	Lower	Upper
166	100		
165	101.2	80.8	121.2
167	14.2	12.0	18.0

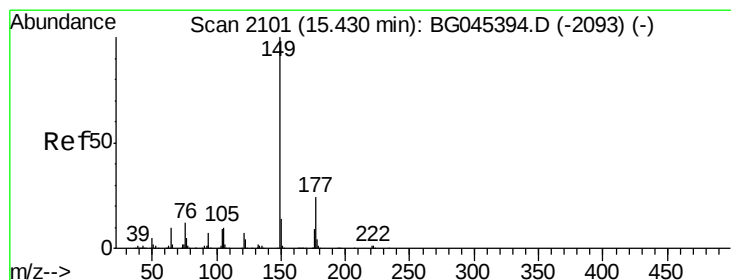
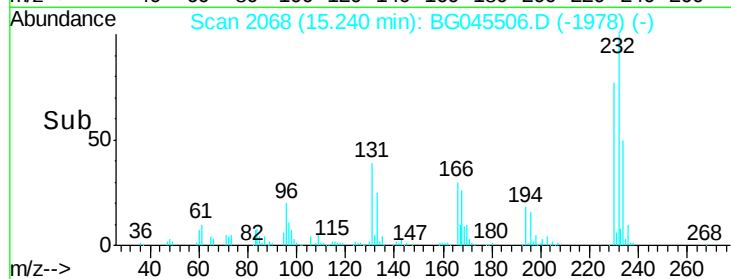
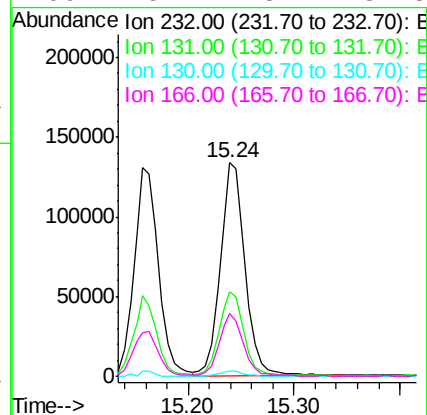
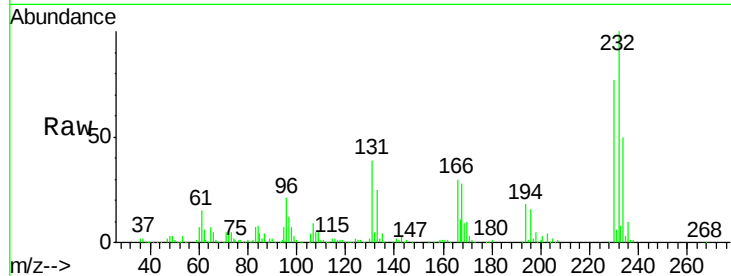




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.224 ng
RT: 15.24 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

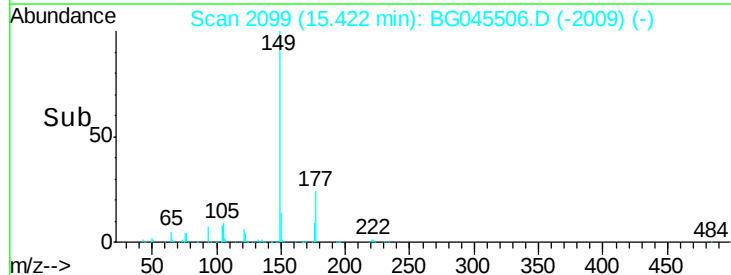
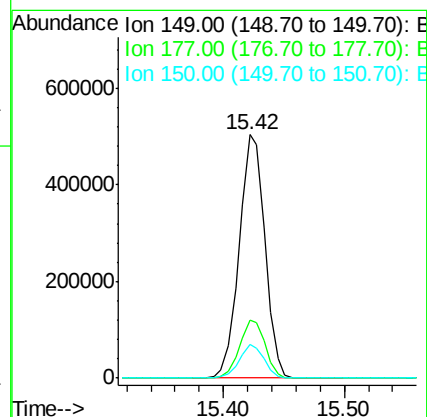
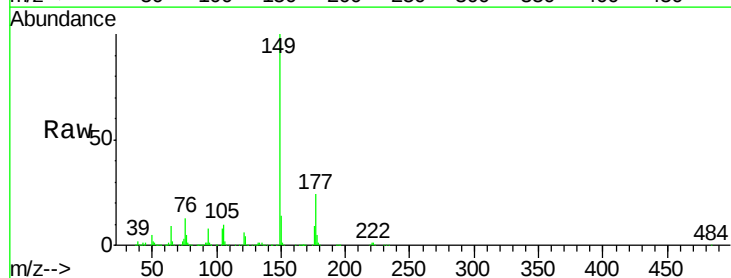
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

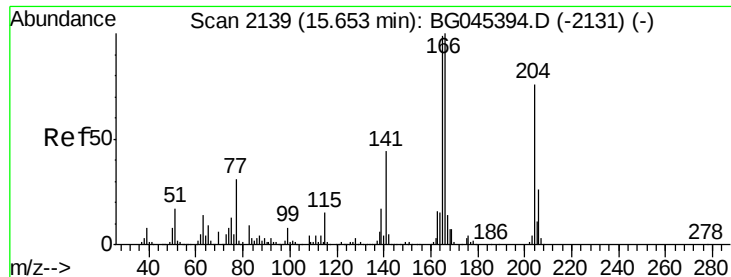
Tot Ion:	232	Resp:	216749
Ion	Ratio	Lower	Upper
232	100		
131	40.4	33.7	50.5
130	2.4	2.1	3.1
166	28.7	23.2	34.8



#60
Diethylphthalate
Concen: 45.342 ng
RT: 15.42 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:	149	Resp:	745941
Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	13.6	11.4	17.0

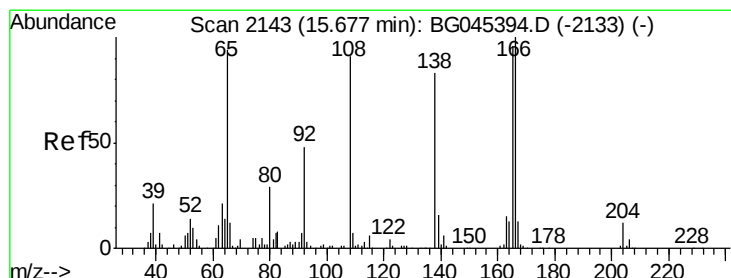
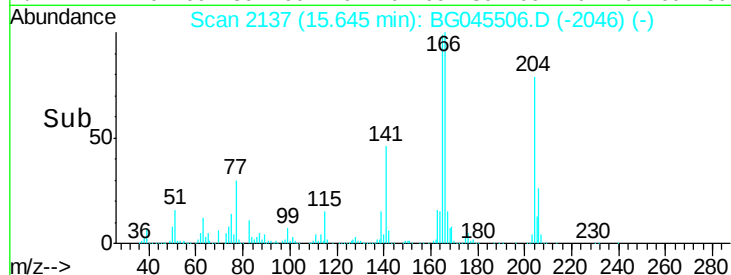
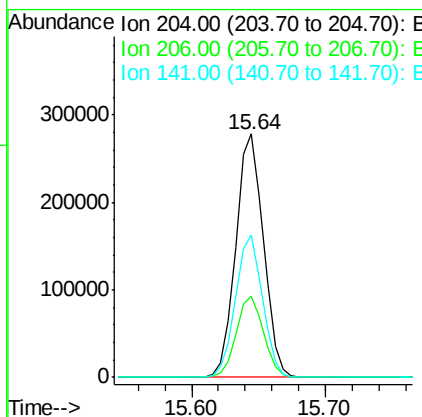
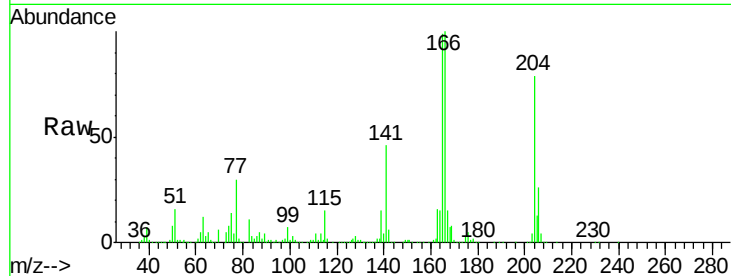




#61
 4-Chlorophenyl-phenylether
 Concen: 46.369 ng
 RT: 15.64 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

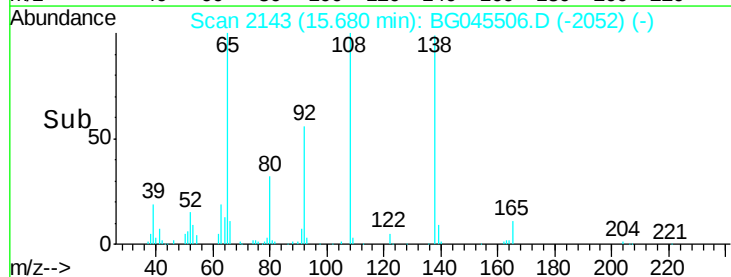
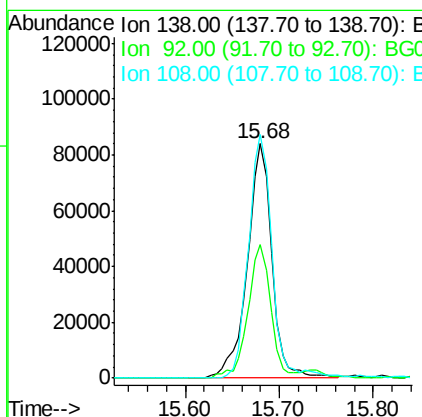
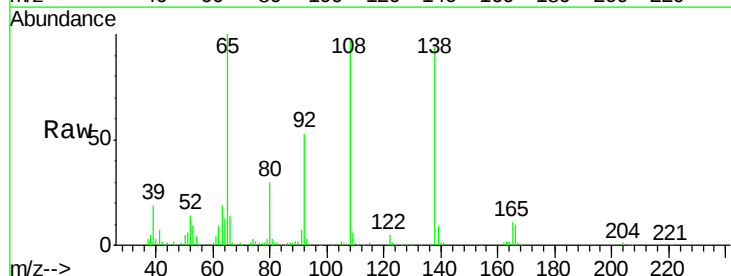
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

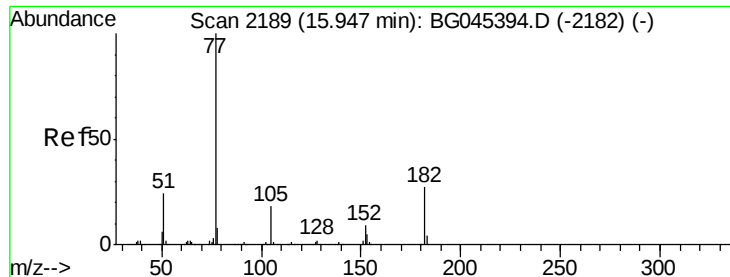
Tot Ion:204 Resp: 400154
 Ion Ratio Lower Upper
 204 100
 206 33.3 27.3 40.9
 141 58.3 45.9 68.9



#62
 4-Nitroaniline
 Concen: 40.216 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:138 Resp: 152220
 Ion Ratio Lower Upper
 138 100
 92 56.7 38.0 78.0
 108 103.9 89.3 129.3





#63

Azobenzene

Concen: 46.321 ng

RT: 15.94 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

Tot Ion: 77 Resp: 710576

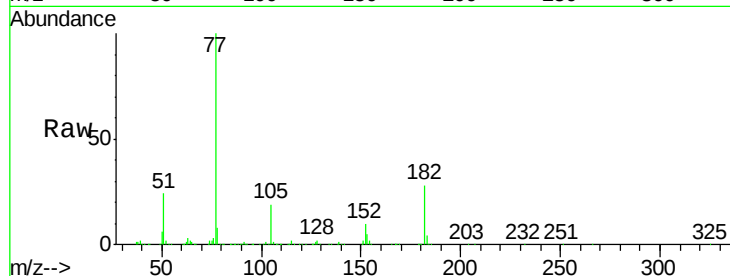
Ion Ratio Lower Upper

77 100

182 28.0 6.5 46.5

105 19.2 0.0 37.9

51 23.8 4.1 44.1

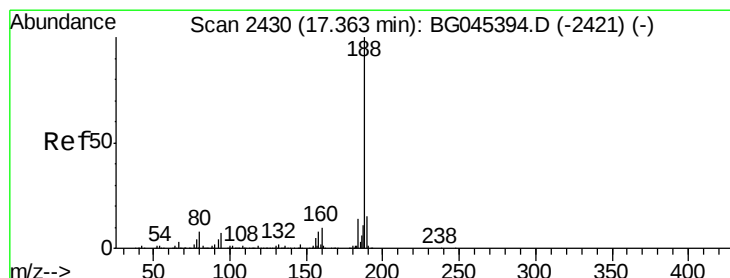
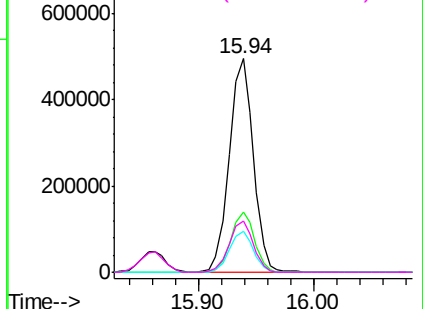
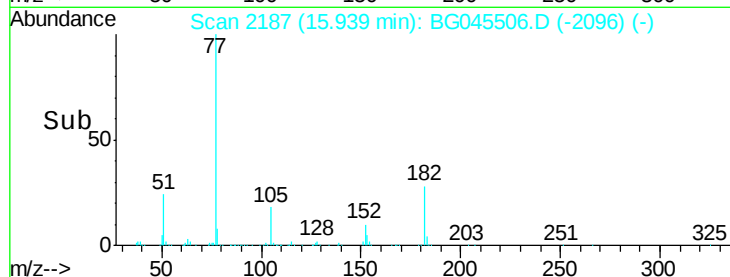


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

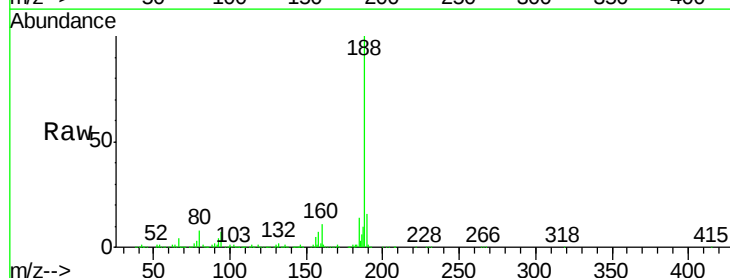
Tgt Ion: 188 Resp: 504830

Ion Ratio Lower Upper

188 100

94 6.7 5.5 8.3

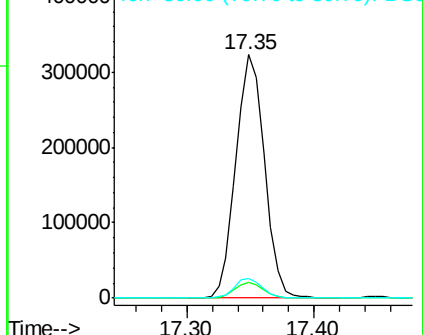
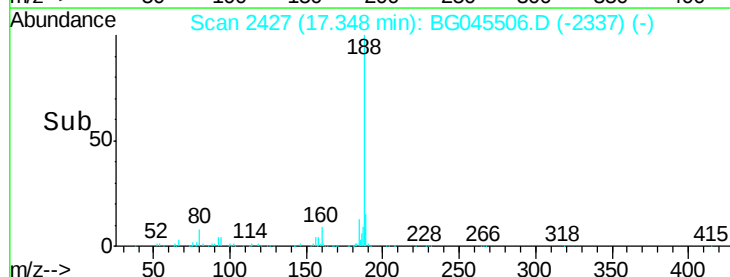
80 7.9 6.6 10.0

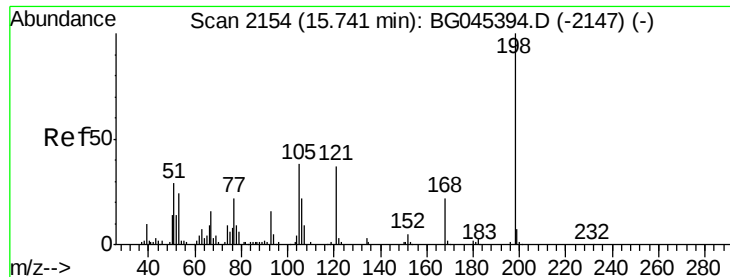


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 46.091 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

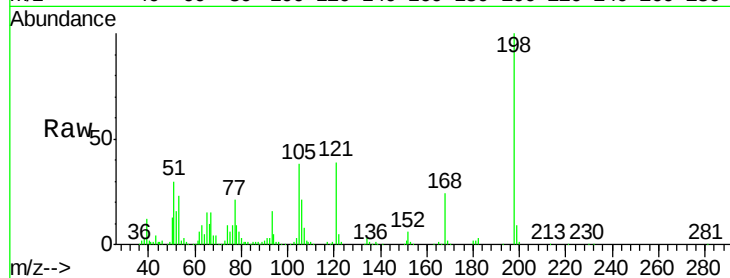
Tot Ion:198 Resp: 135514

Ion Ratio Lower Upper

198 100

51 29.6 10.0 50.0

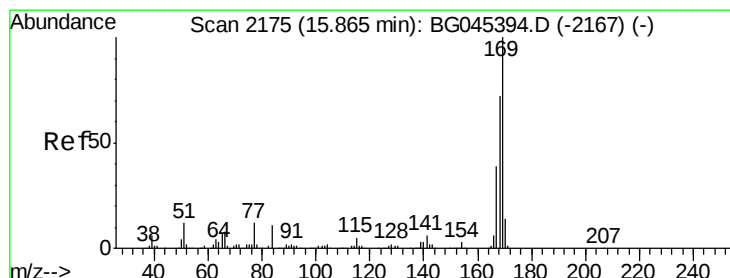
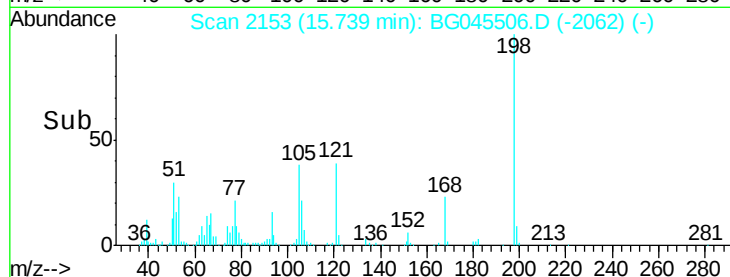
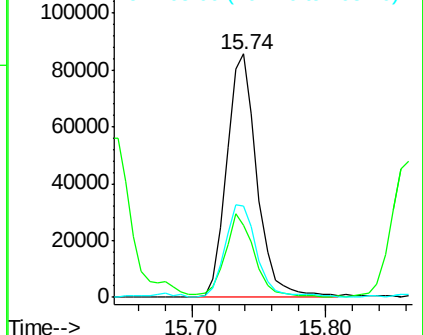
105 37.6 18.9 58.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 52.258 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

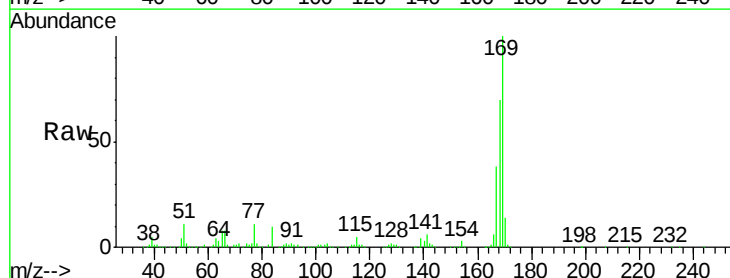
Tgt Ion:169 Resp: 633412

Ion Ratio Lower Upper

169 100

168 70.4 57.8 86.6

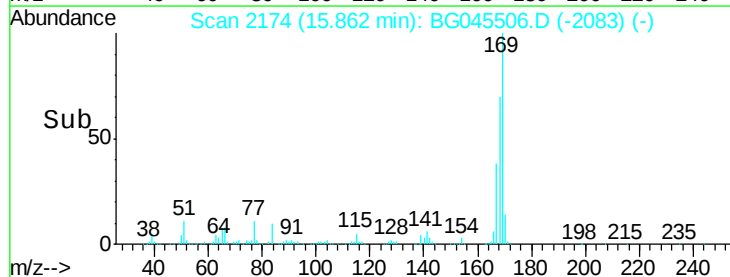
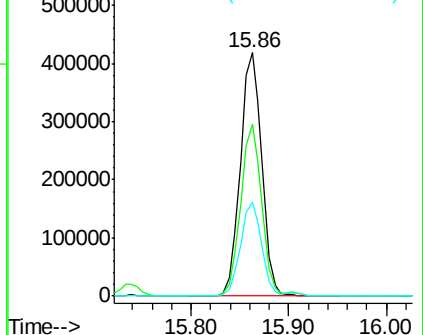
167 38.4 31.5 47.3

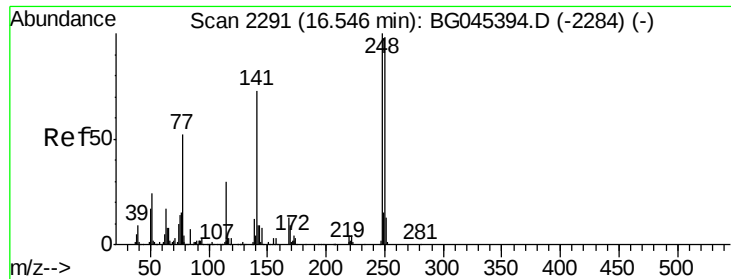


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

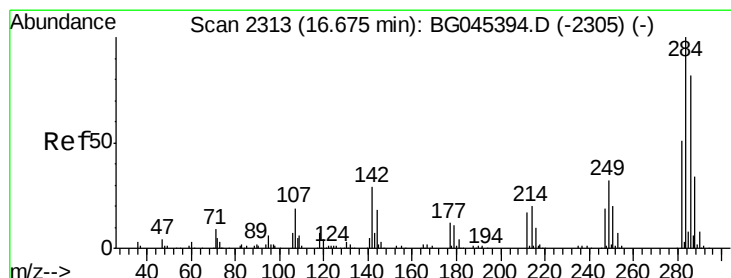
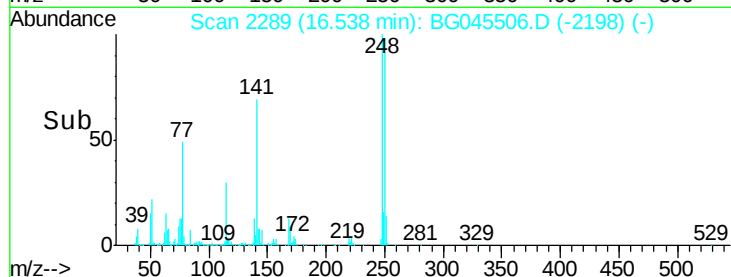
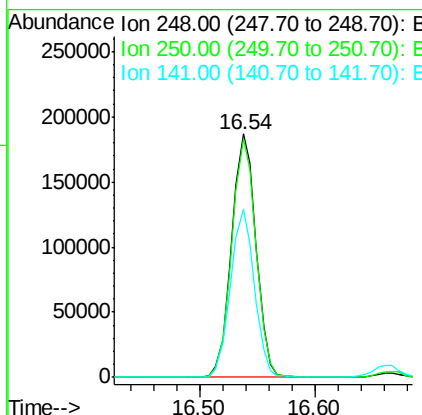
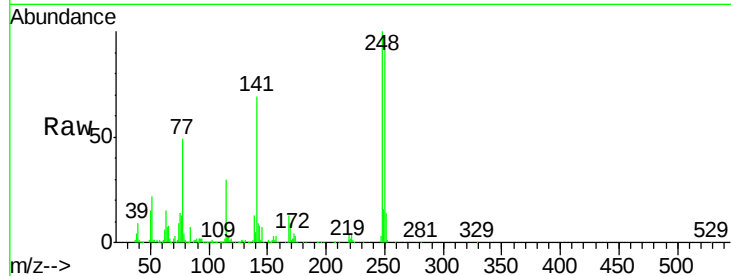




#67
4-Bromophenyl-phenylether
Concen: 49.818 ng
RT: 16.54 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

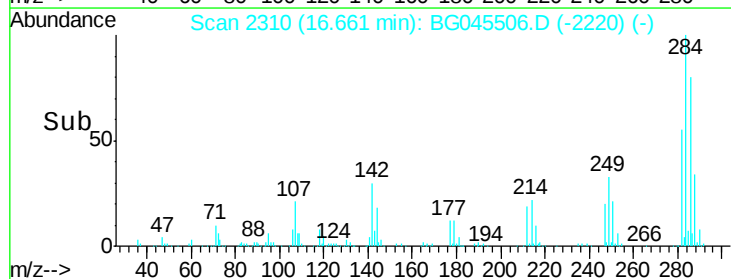
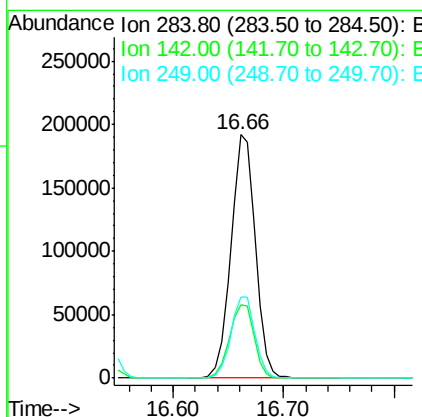
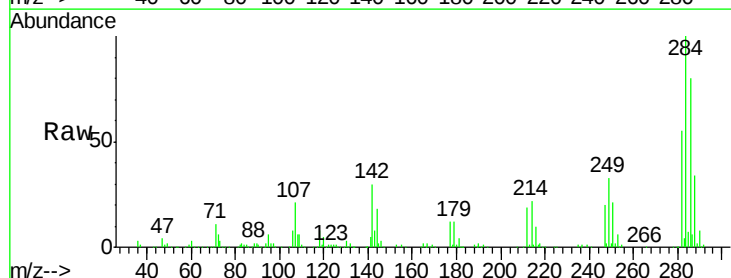
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

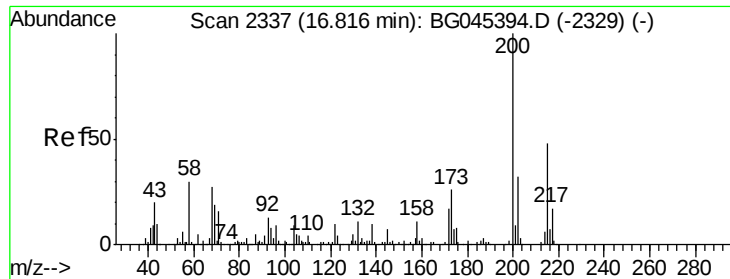
Tot Ion:248 Resp: 272331
Ion Ratio Lower Upper
248 100
250 97.9 78.6 117.8
141 69.1 58.2 87.2



#68
Hexachlorobenzene
Concen: 51.799 ng
RT: 16.66 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:284 Resp: 296163
Ion Ratio Lower Upper
284 100
142 30.2 23.0 34.6
249 33.2 25.8 38.6





#69

Atrazine

Concen: 47.363 ng

RT: 16.81 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

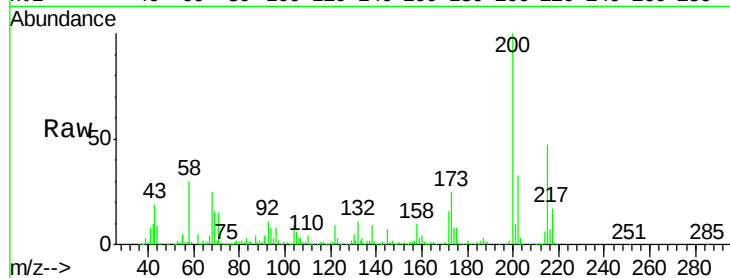
Tot Ion:200 Resp: 236461

Ion Ratio Lower Upper

200 100

173 25.0 5.5 45.5

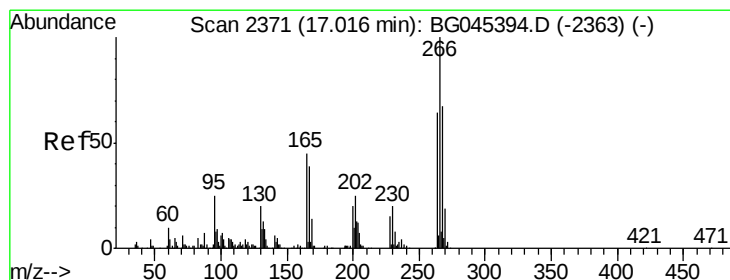
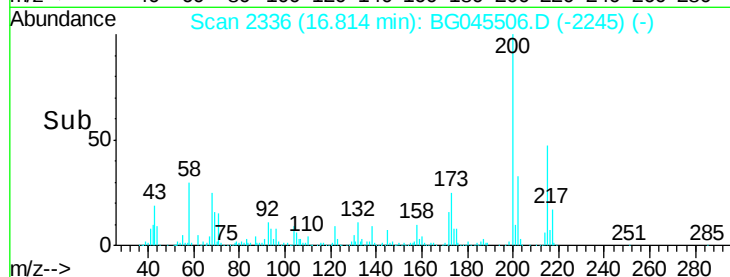
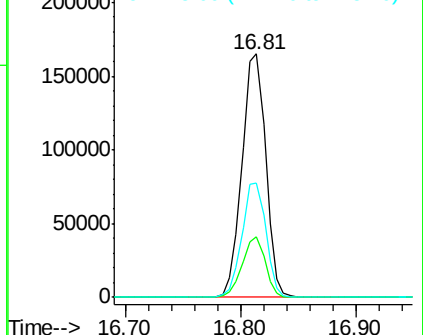
215 47.1 28.2 68.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 97.572 ng

RT: 17.01 min Scan# 2370

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

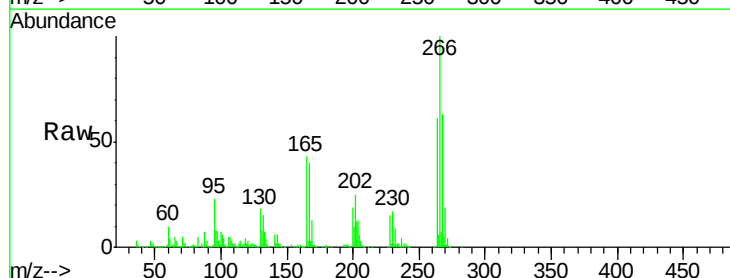
Tgt Ion:266 Resp: 289667

Ion Ratio Lower Upper

266 100

268 63.4 53.2 79.8

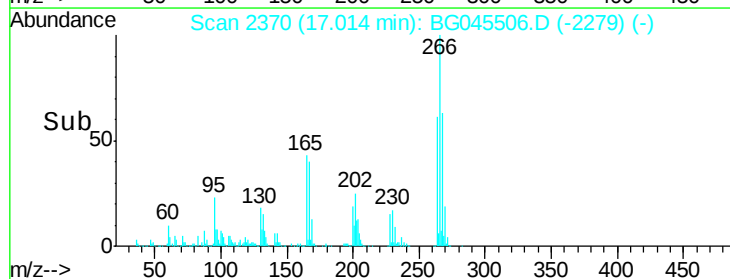
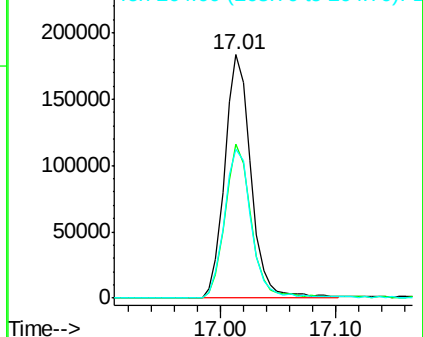
264 61.3 51.0 76.4

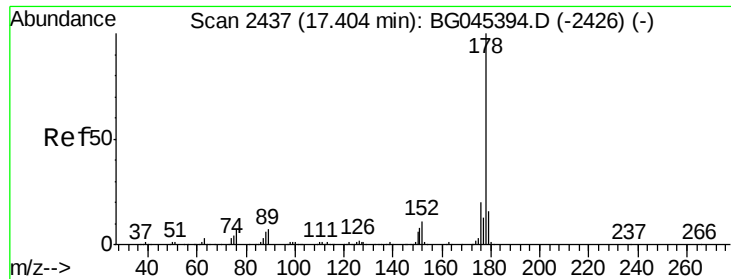


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

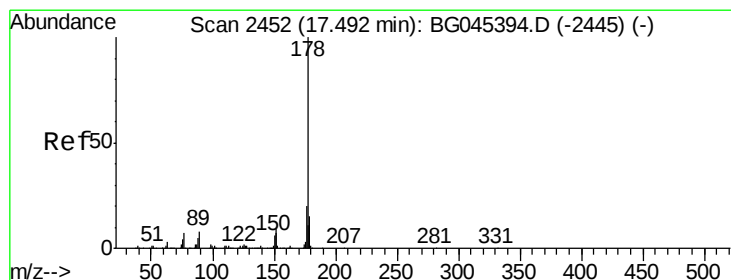
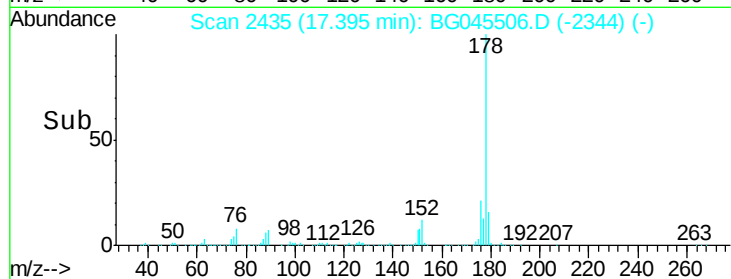
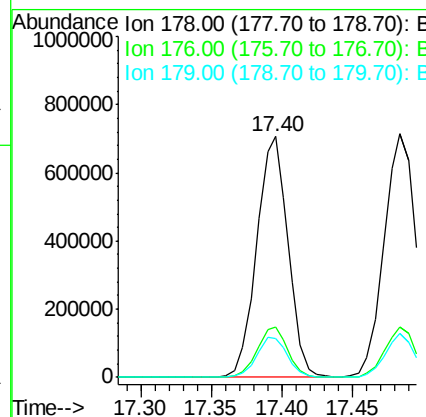
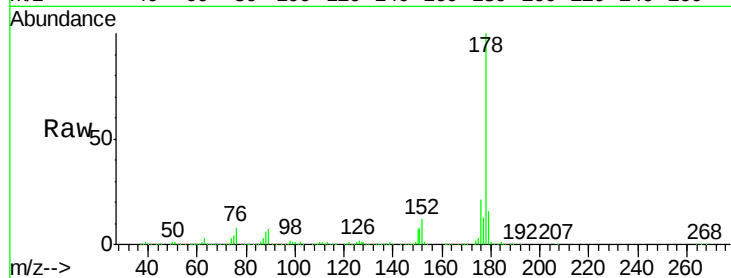




#71
Phenanthrene
Concen: 49.882 ng
RT: 17.40 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

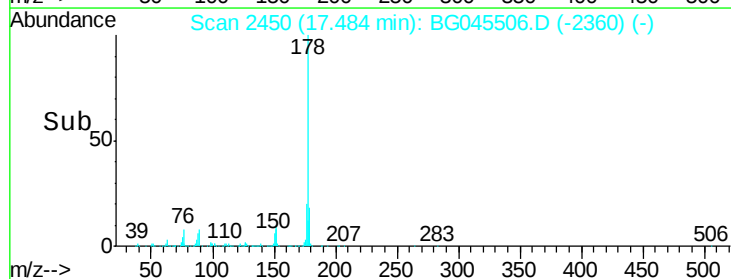
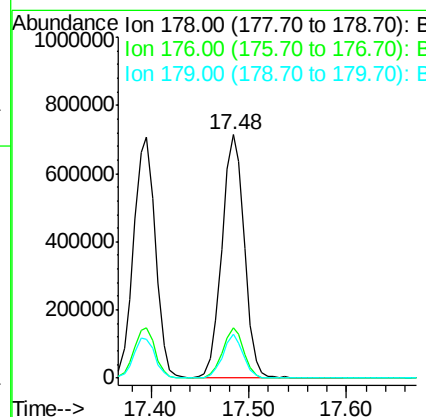
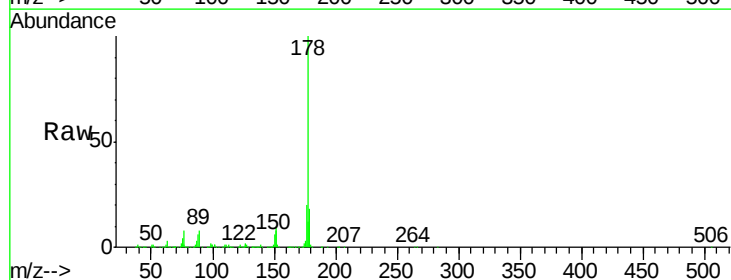
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

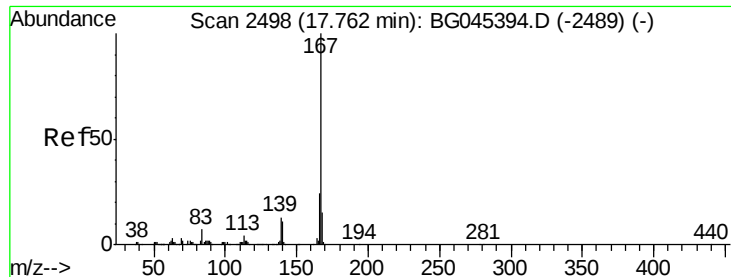
Tot Ion:178 Resp: 1099323
Ion Ratio Lower Upper
178 100
176 21.2 16.2 24.4
179 16.4 13.1 19.7



#72
Anthracene
Concen: 51.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:178 Resp: 1128731
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.6
179 18.0 12.2 18.4





#73

Carbazole

Concen: 46.911 ng

RT: 17.76 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

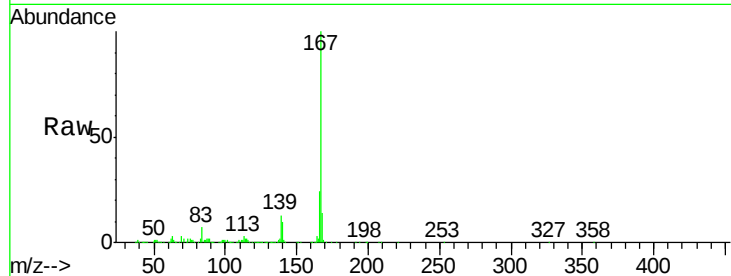
Tot Ion:167 Resp: 1012027

Ion Ratio Lower Upper

167 100

166 23.9 19.2 28.8

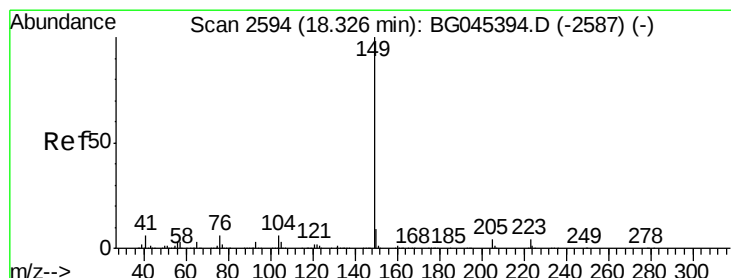
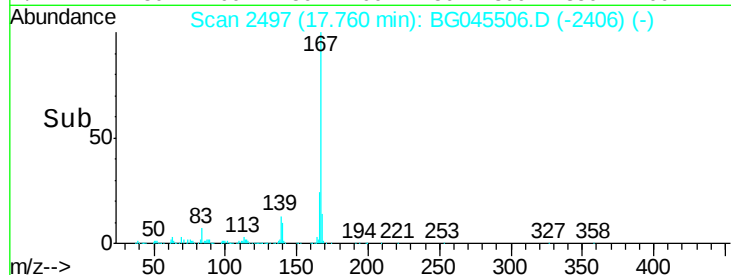
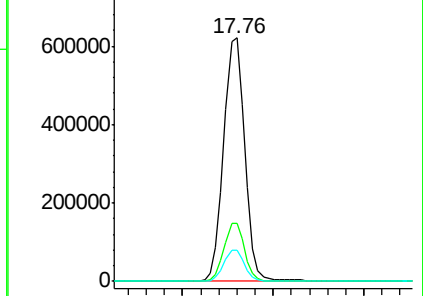
139 12.8 10.6 16.0



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: 46.277 ng

RT: 18.31 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

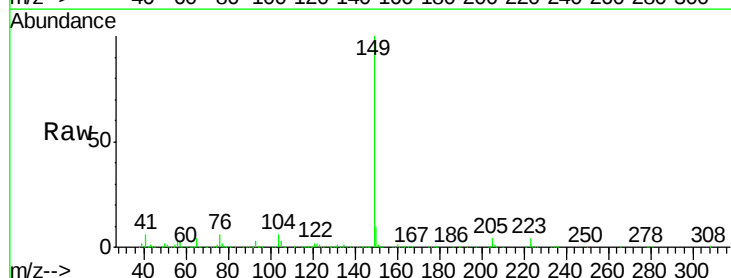
Tgt Ion:149 Resp: 1198273

Ion Ratio Lower Upper

149 100

150 9.9 7.6 11.4

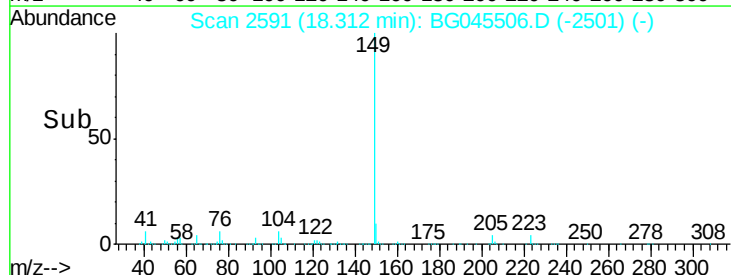
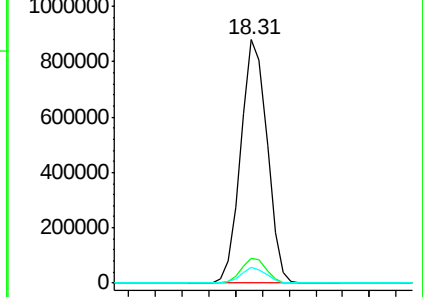
104 6.3 5.0 7.4

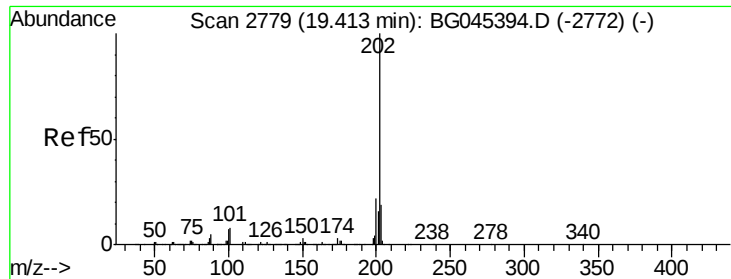


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

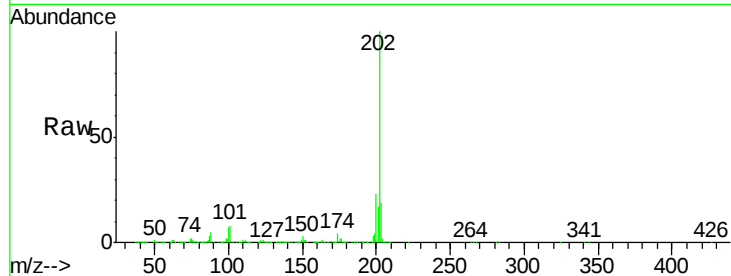




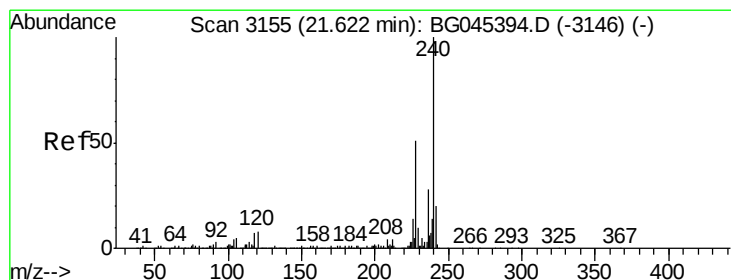
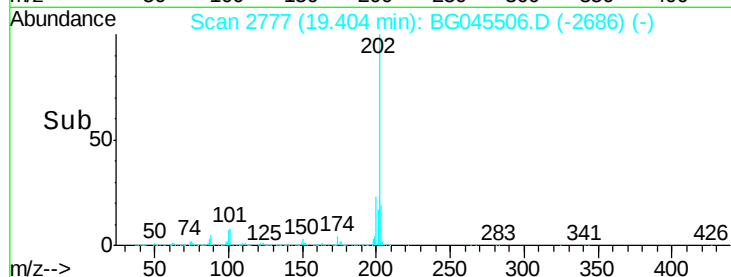
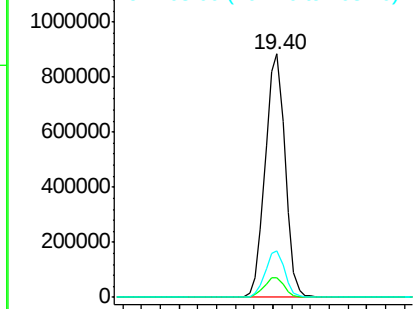
#75
 Fluoranthene
 Concen: 46.346 ng
 RT: 19.40 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-052220MSD

Tot Ion:202 Resp: 1299162
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 28.3
 203 19.1 0.0 39.0

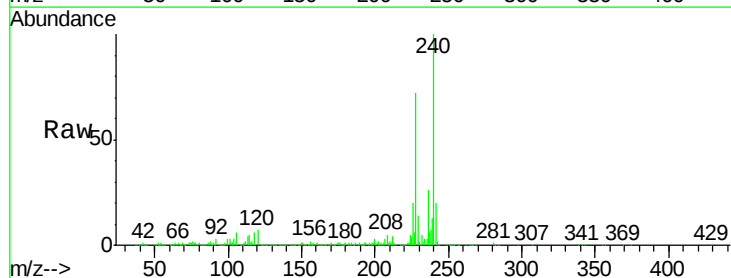


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

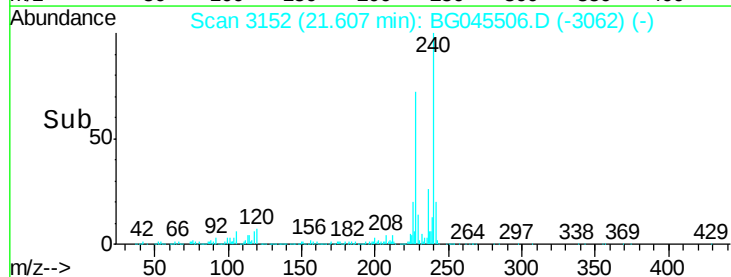
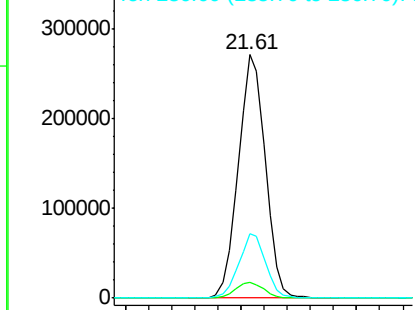


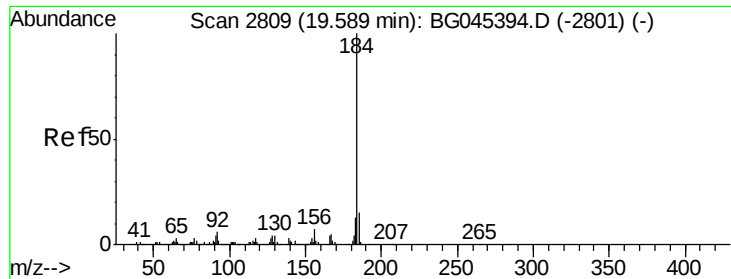
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.61 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: BG045506.D
 Acq: 28 May 2020 20:58

Tgt Ion:240 Resp: 440819
 Ion Ratio Lower Upper
 240 100
 120 6.7 6.1 9.1
 236 26.3 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.268 ng

RT: 19.58 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

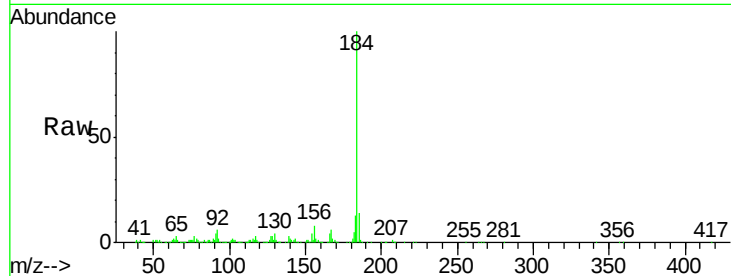
Tot Ion:184 Resp: 325220

Ion Ratio Lower Upper

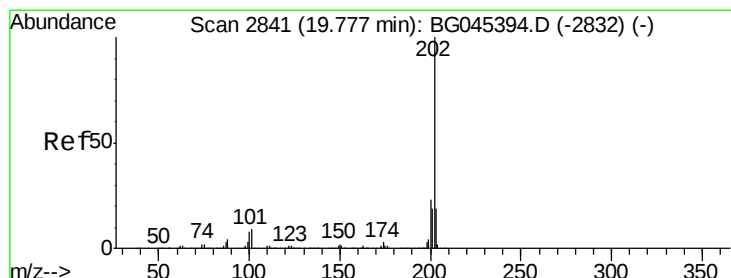
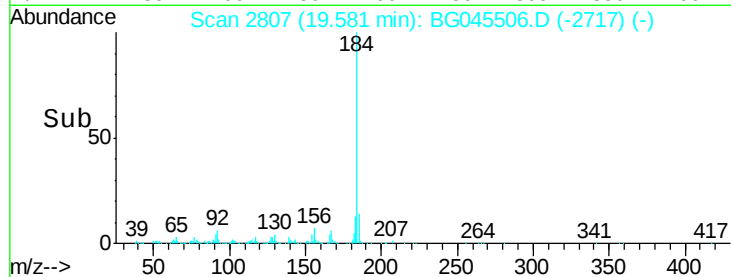
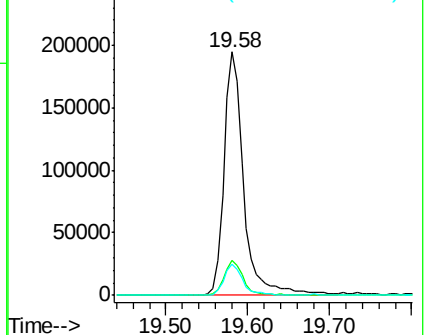
184 100

185 14.4 11.7 17.5

183 12.8 10.2 15.4



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



#78

Pyrene

Concen: 51.250 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

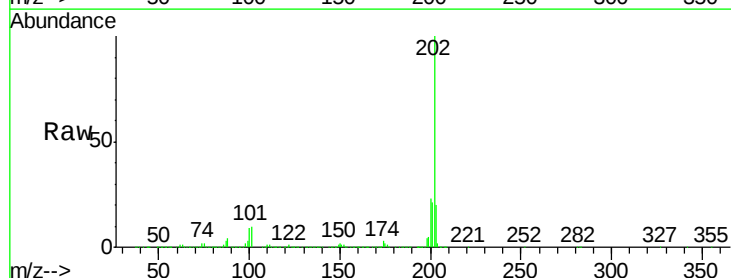
Tgt Ion:202 Resp: 1287835

Ion Ratio Lower Upper

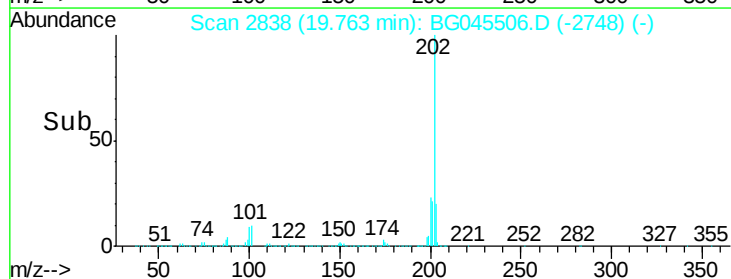
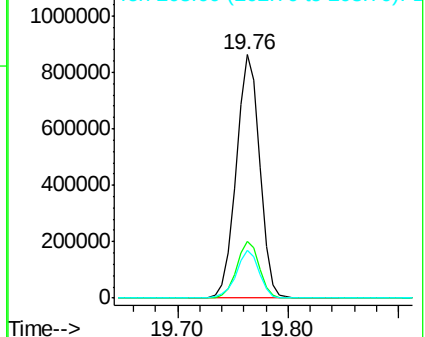
202 100

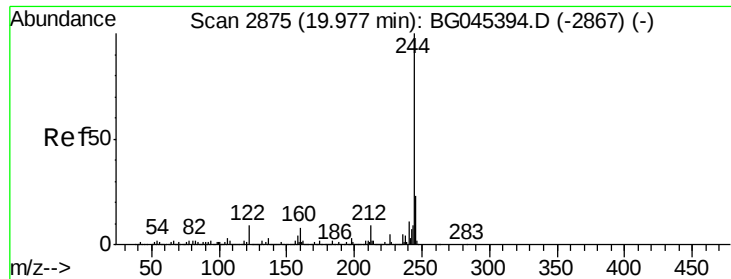
200 23.2 18.2 27.2

203 19.8 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 107.800 ng

RT: 19.96 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

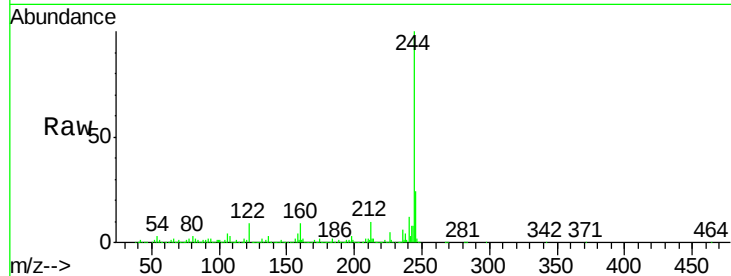
Tot Ion:244 Resp: 2037478

Ion Ratio Lower Upper

244 100

212 9.8 7.4 11.0

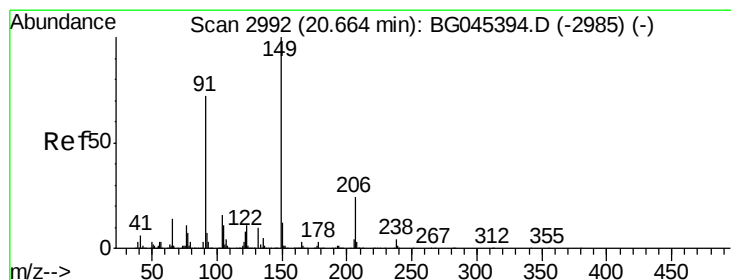
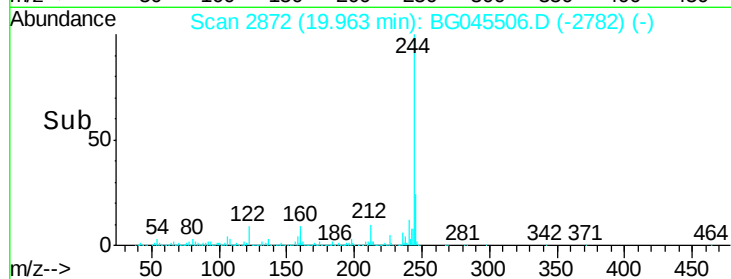
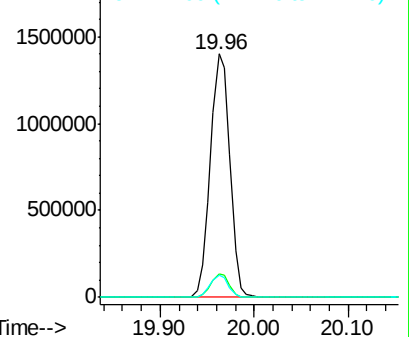
122 9.3 6.8 10.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.089 ng

RT: 20.65 min Scan# 2989

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

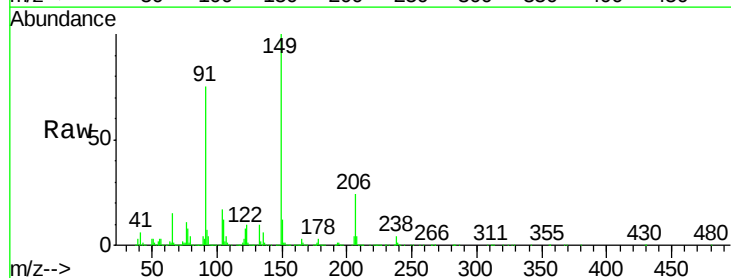
Tgt Ion:149 Resp: 521583

Ion Ratio Lower Upper

149 100

91 75.4 57.8 86.6

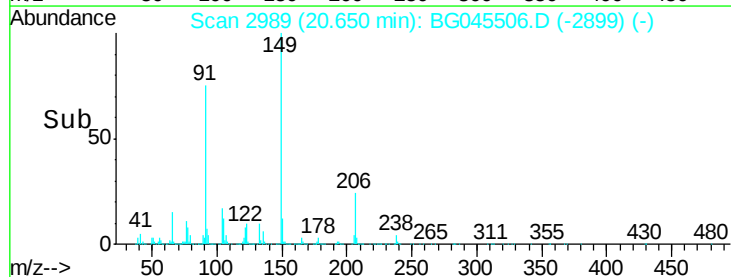
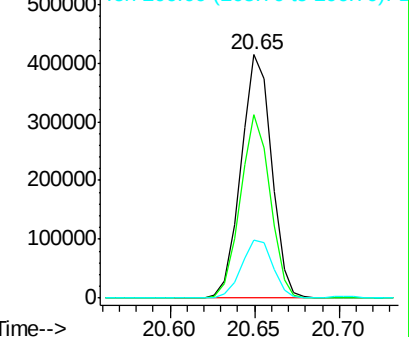
206 24.0 19.1 28.7

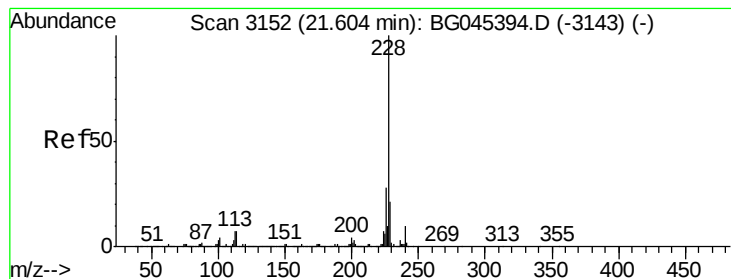


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.415 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

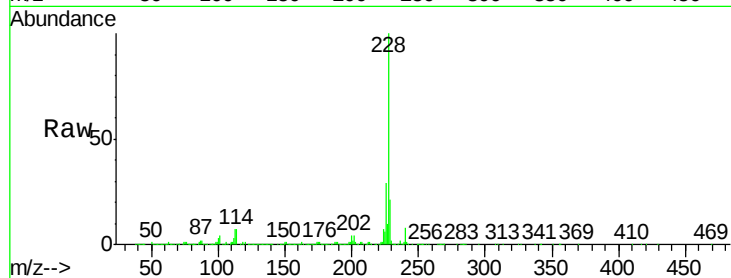
Tot Ion:228 Resp: 1238026

Ion Ratio Lower Upper

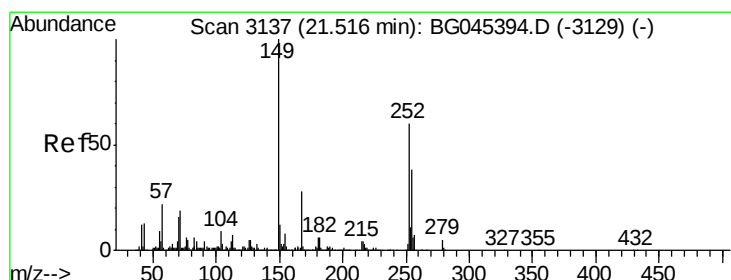
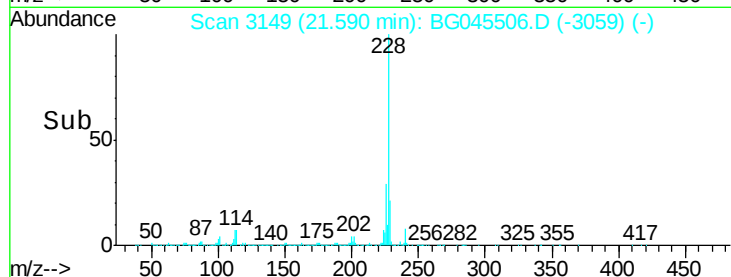
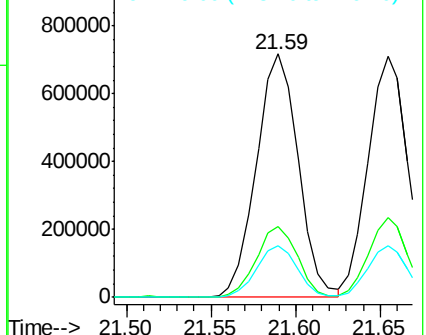
228 100

226 29.3 22.7 34.1

229 21.3 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 28.034 ng

RT: 21.51 min Scan# 3135

Delta R.T. 0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

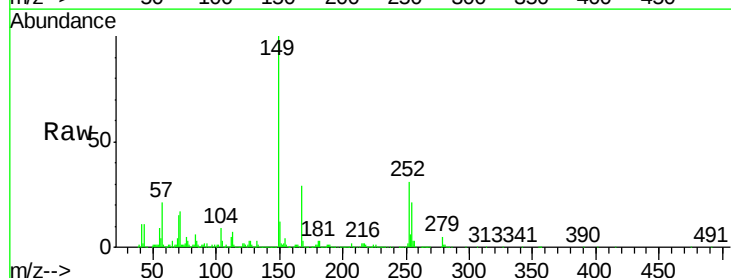
Tgt Ion:252 Resp: 270040

Ion Ratio Lower Upper

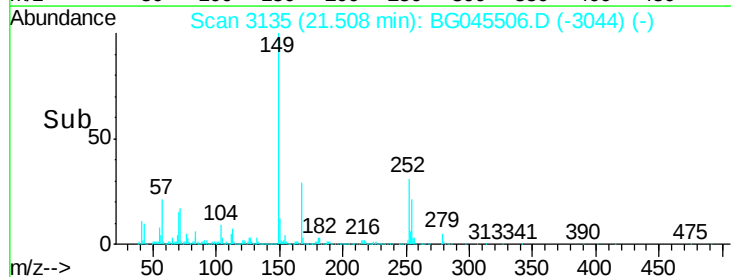
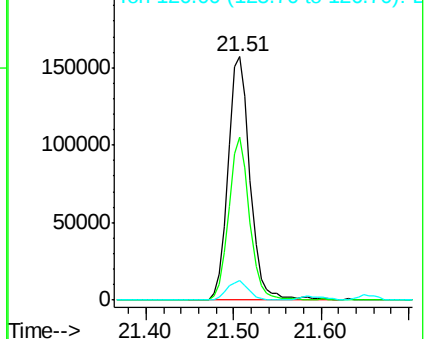
252 100

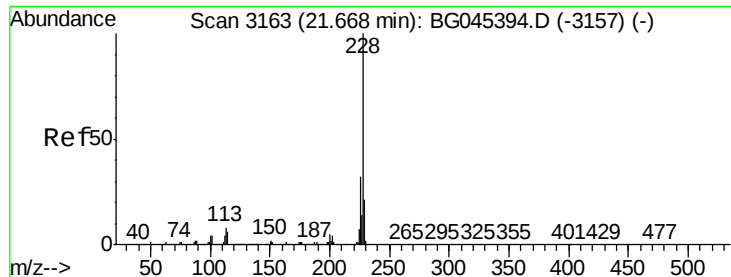
254 67.0 51.3 76.9

126 8.2 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 48.971 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

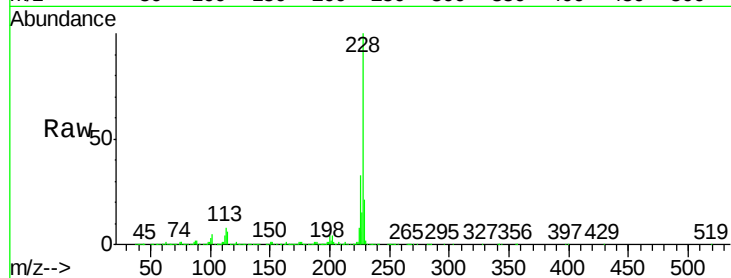
BNA_G

ClientSampleId :

CL-01-052220MSD

Tot Ion:228 Resp: 1156298

Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.2	37.8
229	21.2	16.7	25.1

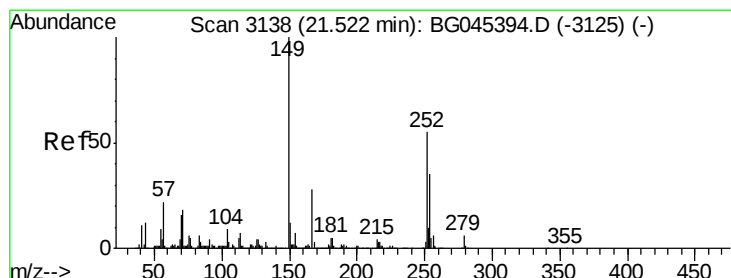
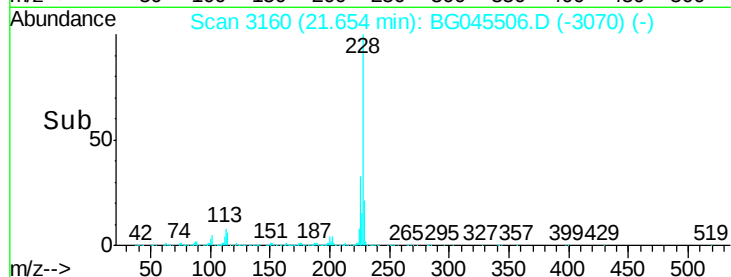
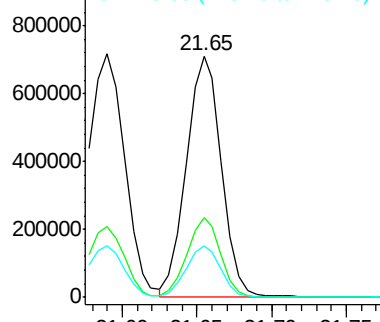


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.739 ng

RT: 21.50 min Scan# 3134

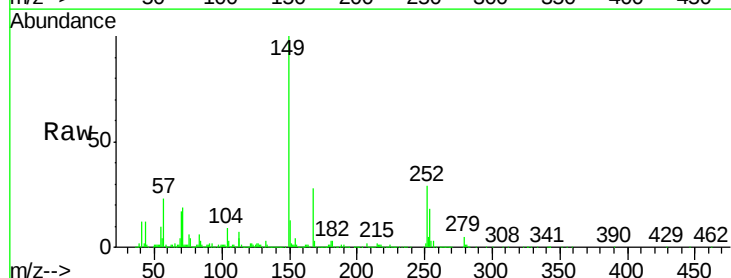
Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Tgt Ion:149 Resp: 726677

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.2
279	5.3	4.7	7.1

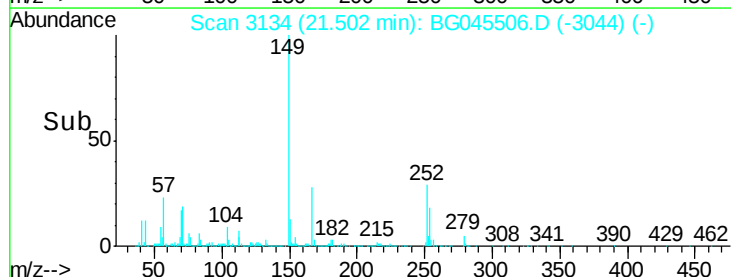
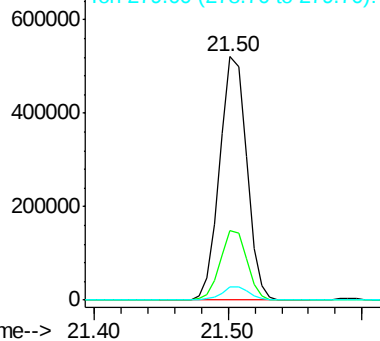


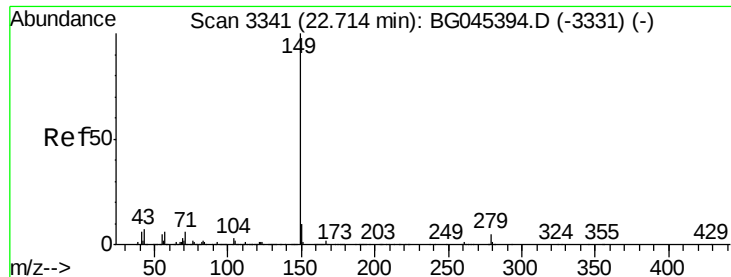
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.415 ng

RT: 22.69 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

Instrument :

BNA_G

ClientSampleId :

CL-01-052220MSD

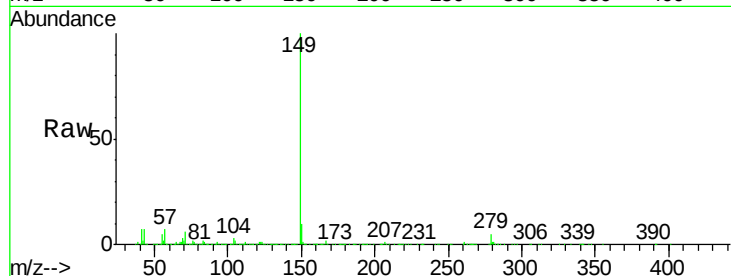
Tot Ion:149 Resp: 1214172

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

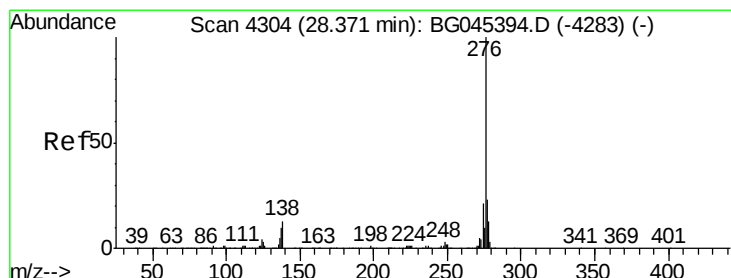
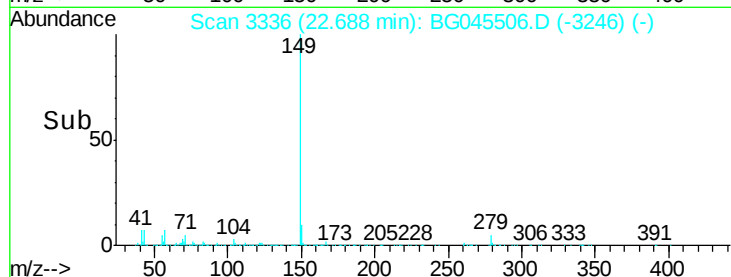
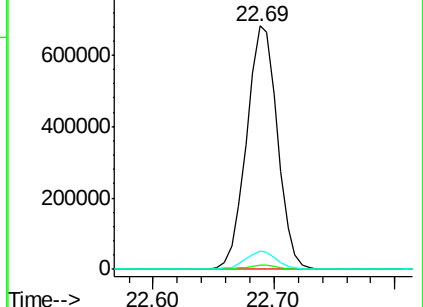
43 7.3 5.8 8.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.142 ng

RT: 28.33 min Scan# 4296

Delta R.T. -0.00 min

Lab File: BG045506.D

Acq: 28 May 2020 20:58

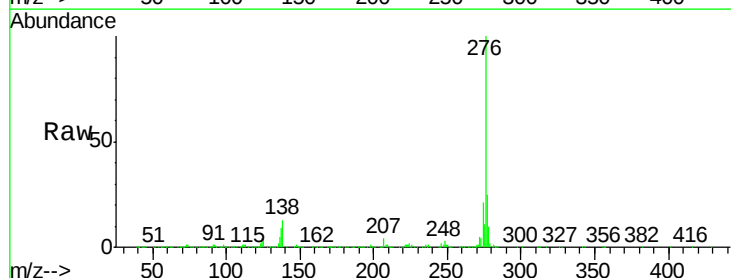
Tgt Ion:276 Resp: 1548237

Ion Ratio Lower Upper

276 100

138 6.3 8.6 12.8#

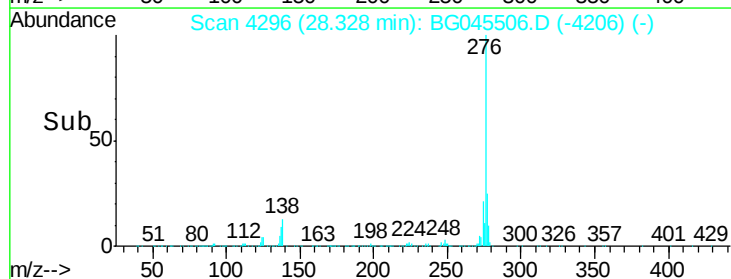
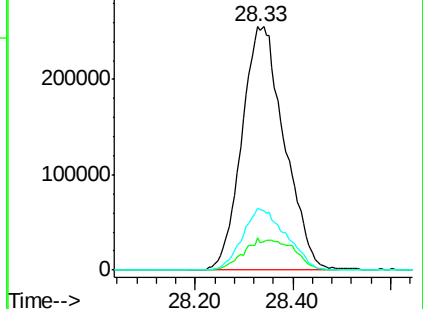
277 26.0 20.2 30.4

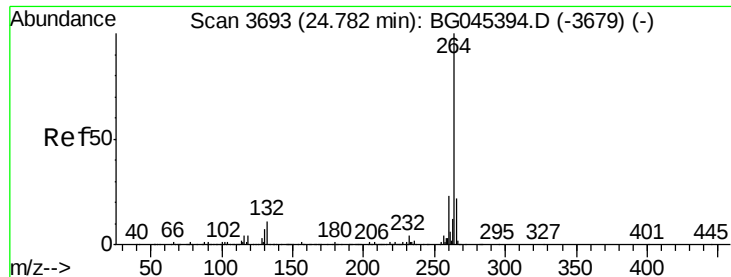


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



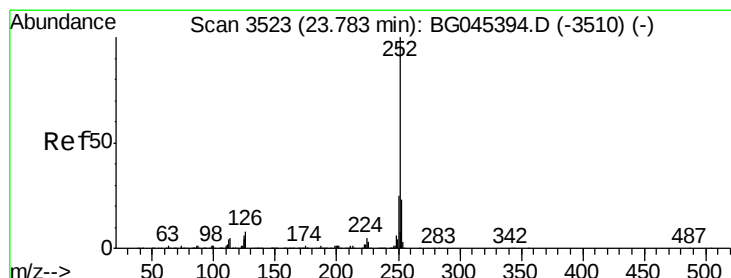
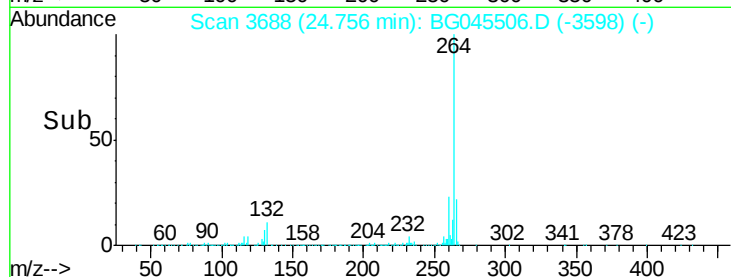
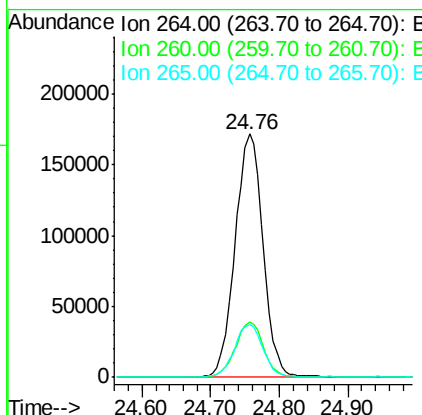
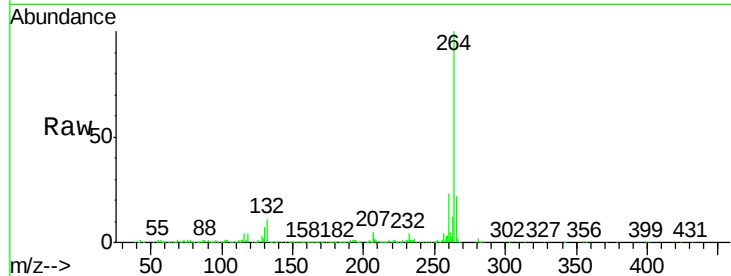


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.76 min Scan# 3688
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion:264 Resp: 484082

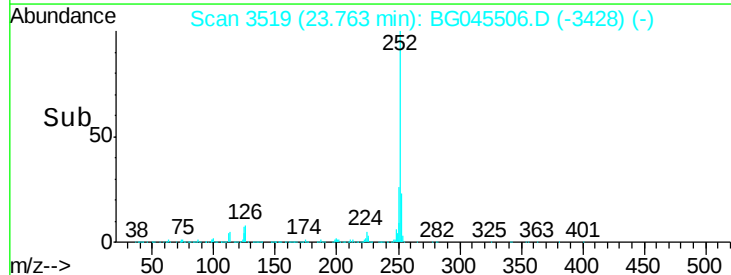
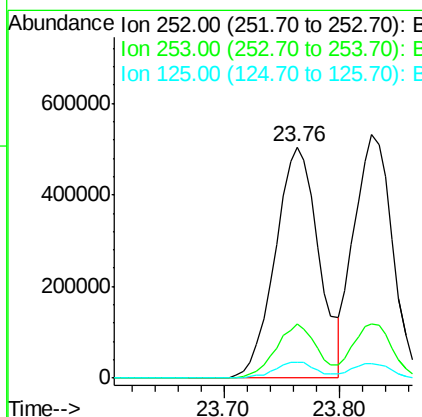
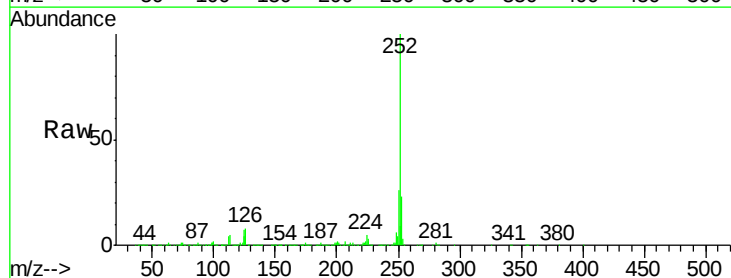
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	21.8	17.6	26.4

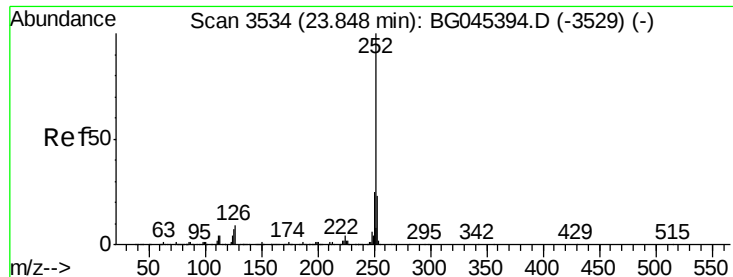


#88
Benzo(b)fluoranthene
Concen: 50.891 ng
RT: 23.76 min Scan# 3519
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:252 Resp: 1321222

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	6.6	5.0	7.6

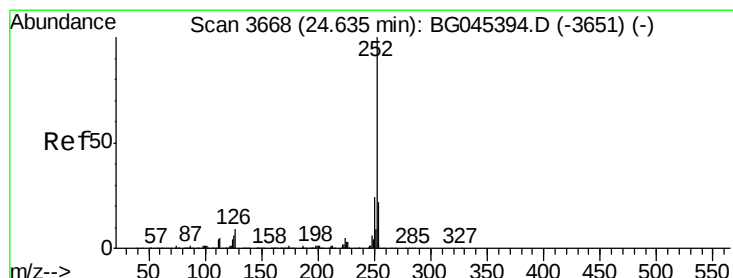
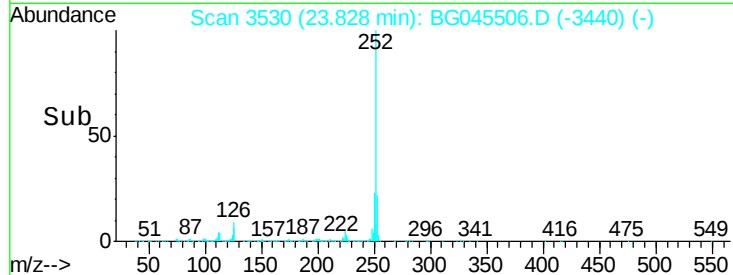
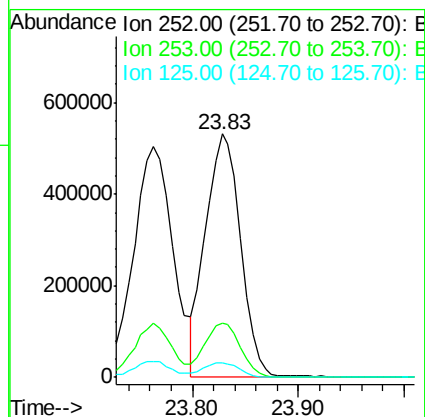
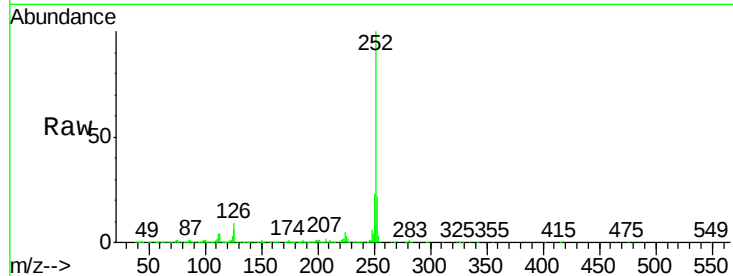




#89
Benzo(k)fluoranthene
Concen: 50.154 ng
RT: 23.83 min Scan# 3530
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

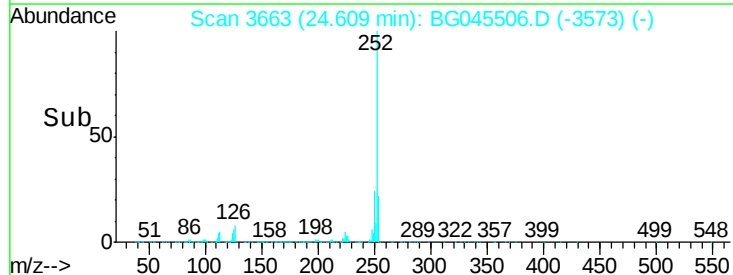
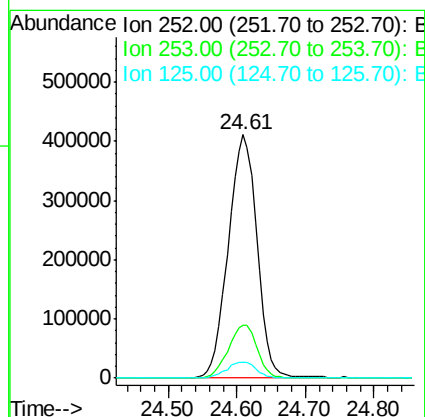
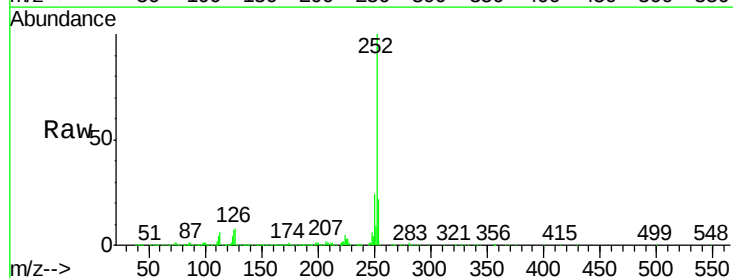
Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

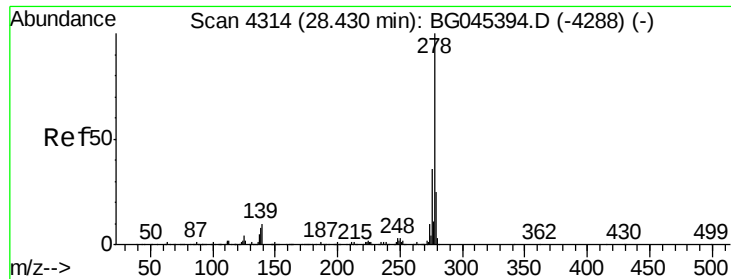
Tot Ion:252 Resp: 1223288
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 6.1 5.7 8.5



#90
Benzo(a)pyrene
Concen: 49.239 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:252 Resp: 1190541
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 6.5 5.0 7.6

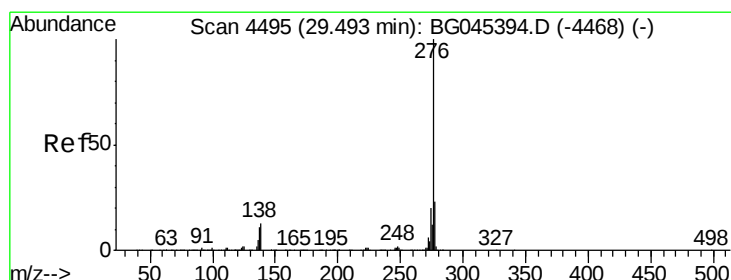
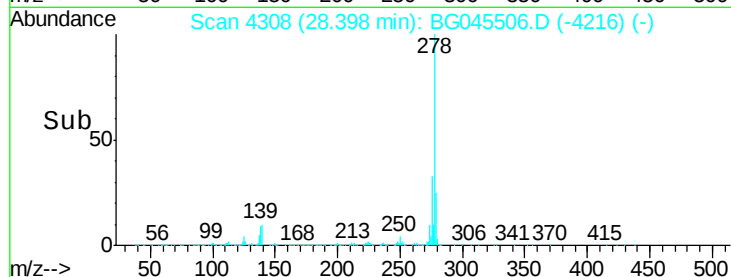
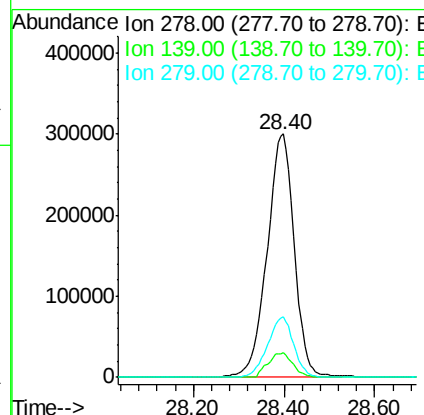
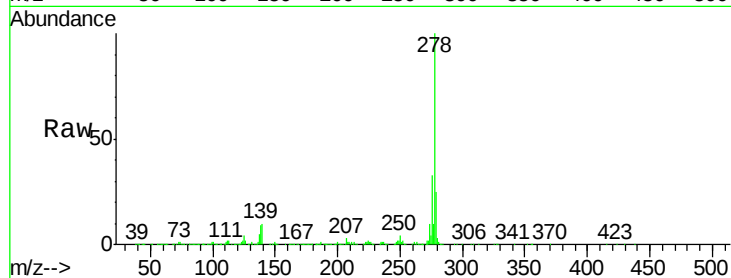




#91
Dibenzo(a,h)anthracene
Concen: 51.756 ng
RT: 28.40 min Scan# 4308
Delta R.T. 0.01 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Instrument :
BNA_G
ClientSampleId :
CL-01-052220MSD

Tot Ion:278 Resp: 1257539
Ion Ratio Lower Upper
278 100
139 10.0 7.8 11.8
279 24.7 19.8 29.8



#92
Benzo(g,h,i)perylene
Concen: 53.217 ng
RT: 29.45 min Scan# 4487
Delta R.T. 0.00 min
Lab File: BG045506.D
Acq: 28 May 2020 20:58

Tgt Ion:276 Resp: 1293194
Ion Ratio Lower Upper
276 100
277 23.1 18.1 27.1
138 13.0 10.2 15.4

