

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046044.D
 Acq On : 14 Jul 2020 22:30
 Operator : CG/JU
 Sample : L3181-05MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

Quant Time: Jul 15 00:37:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	111313	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	446724	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	272944	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	593228	20.00	ng	0.00
76) Chrysene-d12	21.62	240	536607	20.00	ng	0.00
86) Perylene-d12	24.77	264	547363	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	876816	127.74	ng	0.00
7) Phenol-d6	7.17	99	1104865	111.80	ng	0.00
23) Nitrobenzene-d5	9.15	82	823981	106.17	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	353478	139.54	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1439853	82.28	ng	0.00
79) Terphenyl-d14	19.98	244	1992023	82.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	151034	47.693	ng	# 41
3) Pyridine	3.91	79	435034	45.432	ng	98
4) n-Nitrosodimethylamine	3.81	42	184714	57.047	ng	# 96
6) Aniline	7.33	93	271234	21.455	ng	98
8) 2-Chlorophenol	7.57	128	418085	56.582	ng	100
9) Benzaldehyde	7.14	77	138456	22.113	ng	94
10) Phenol	7.20	94	477800	48.198	ng	97
11) bis(2-Chloroethyl)ether	7.42	93	438881	53.539	ng	98
12) 1,3-Dichlorobenzene	7.90	146	432473	50.778	ng	99
13) 1,4-Dichlorobenzene	8.04	146	429988	51.322	ng	96
14) 1,2-Dichlorobenzene	8.35	146	419338	52.004	ng	100
15) Benzyl Alcohol	8.24	79	415525	53.626	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	570787	53.368	ng	98
17) 2-Methylphenol	8.45	107	373881	50.264	ng	96
18) Hexachloroethane	9.09	117	165567	51.359	ng	95
19) n-Nitroso-di-n-propylamine	8.81	70	370526	53.371	ng	98
20) 3+4-Methylphenols	8.77	107	492577	48.589	ng	98
22) Acetophenone	8.82	105	617961	51.781	ng	99
24) Nitrobenzene	9.20	77	530086	61.880	ng	99
25) Isophorone	9.72	82	968722	51.128	ng	100
26) 2-Nitrophenol	9.91	139	206882	74.094	ng	98
27) 2,4-Dimethylphenol	9.98	122	365409	54.182	ng	99
28) bis(2-Chloroethoxy)methane	10.20	93	579995	54.513	ng	98
29) 2,4-Dichlorophenol	10.45	162	379461	54.353	ng	100
30) 1,2,4-Trichlorobenzene	10.66	180	387251	50.061	ng	100
31) Naphthalene	10.85	128	1224936	51.150	ng	99
32) Benzoic acid	10.06	122	36791	14.228	ng	97
33) 4-Chloroaniline	10.95	127	40247	3.761	ng	98
34) Hexachlorobutadiene	11.15	225	217266	48.103	ng	99
35) Caprolactam	11.71	113	79299	29.917	ng	90
36) 4-Chloro-3-methylphenol	12.08	107	437882	55.068	ng	99
37) 2-Methylnaphthalene	12.45	142	879234	51.648	ng	99
38) 1-Methylnaphthalene	12.67	142	847534	52.753	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	377483	49.061	ng	98

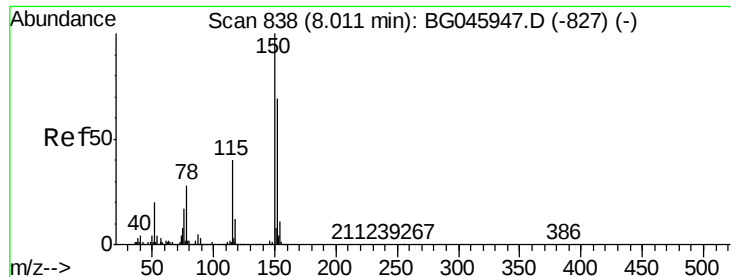
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	435974	95.495	nq	97
43) 2,4,6-Trichlorophenol	13.06	196	291453	56.011	nq	99
44) 2,4,5-Trichlorophenol	13.14	196	302127	51.352	nq	98
46) 1,1'-Biphenyl	13.46	154	1061579	51.702	nq	99
47) 2-Chloronaphthalene	13.50	162	813545	50.218	nq	100
48) 2-Nitroaniline	13.69	65	307570	66.338	nq	99
49) Acenaphthylene	14.35	152	1321410	50.555	nq	99
50) Dimethylphthalate	14.08	163	1072712	52.369	nq	100
51) 2,6-Dinitrotoluene	14.19	165	239050	64.058	nq	94
52) Acenaphthene	14.69	154	866675	52.568	nq	97
53) 3-Nitroaniline	14.52	138	89597	21.675	nq	# 91
54) 2,4-Dinitrophenol	14.72	184	85490	63.721	nq	# 86
55) Dibenzofuran	15.02	168	1214015	50.234	nq	99
56) 4-Nitrophenol	14.83	139	406518	121.813	nq	96
57) 2,4-Dinitrotoluene	14.98	165	328548	68.071	nq	96
58) Fluorene	15.67	166	1012802	51.086	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.17	232	264722	58.277	nq	99
60) Diethylphthalate	15.45	149	1096938	51.063	nq	99
61) 4-Chlorophenyl-phenylether	15.67	204	480507	48.717	nq	99
62) 4-Nitroaniline	15.69	138	269774	63.722	nq	97
63) Azobenzene	15.96	77	1232435	53.453	nq	99
65) 4,6-Dinitro-2-methylphenol	15.74	198	103641	50.352	nq	93
66) n-Nitrosodiphenylamine	15.88	169	924428	50.287	nq	99
67) 4-Bromophenyl-phenylether	16.56	248	315385	47.602	nq	97
68) Hexachlorobenzene	16.68	284	332397	49.995	nq	98
69) Atrazine	16.83	200	317411	58.400	nq	98
70) Pentachlorophenol	17.02	266	385800	104.369	nq	99
71) Phenanthrene	17.41	178	1604825	51.170	nq	98
72) Anthracene	17.50	178	1647383	51.760	nq	98
73) Carbazole	17.77	167	1621603	50.830	nq	99
74) Di-n-butylphthalate	18.34	149	1936992	50.245	nq	99
75) Fluoranthene	19.42	202	1939153	53.486	nq	99
77) Benzidine	19.59	184	384365	25.052	nq	98
78) Pyrene	19.77	202	1922581	52.488	nq	98
80) Butylbenzylphthalate	20.67	149	926953	53.552	nq	95
81) Benzo(a)anthracene	21.61	228	1770110	50.168	nq	99
82) 3,3'-Dichlorobenzidine	21.52	252	316510	24.276	nq	98
83) Chrysene	21.67	228	1706736	50.775	nq	97
84) Bis(2-ethylhexyl)phthalate	21.54	149	1296493	51.600	nq	99
85) Di-n-octyl phthalate	22.73	149	2189580	50.217	nq	100
87) Indeno(1,2,3-cd)pyrene	28.36	276	2173666	54.283	nq	99
88) Benzo(b)fluoranthene	23.79	252	1886012	54.278	nq	98
89) Benzo(k)fluoranthene	23.85	252	1784073	54.301	nq	99
90) Benzo(a)pyrene	24.63	252	1736697	53.152	nq	99
91) Dibenzo(a,h)anthracene	28.43	278	1741858	53.932	nq	99
92) Benzo(g,h,i)perylene	29.47	276	1752167	53.909	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

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ClientSampleId :

CL-02-070920MSD

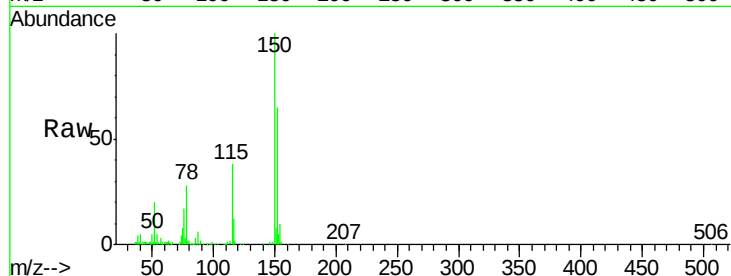
Tot Ion:152 Resp: 111313

Ion Ratio Lower Upper

152 100

150 153.6 116.7 175.1

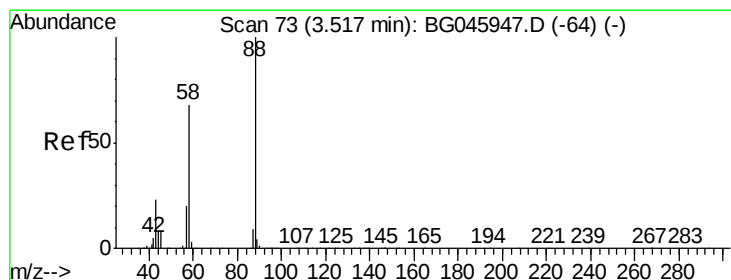
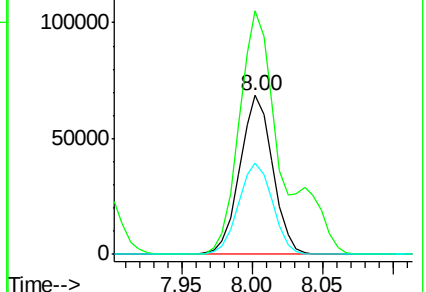
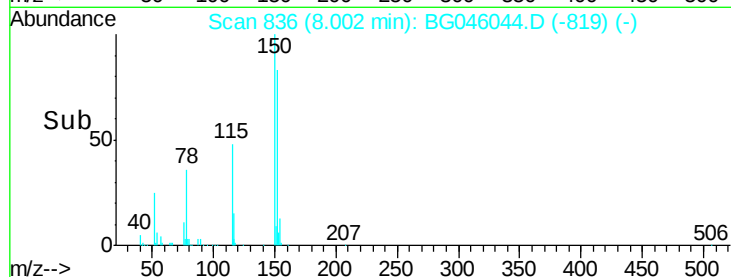
115 57.8 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 47.693 ng

RT: 3.52 min Scan# 73

Delta R.T. 0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

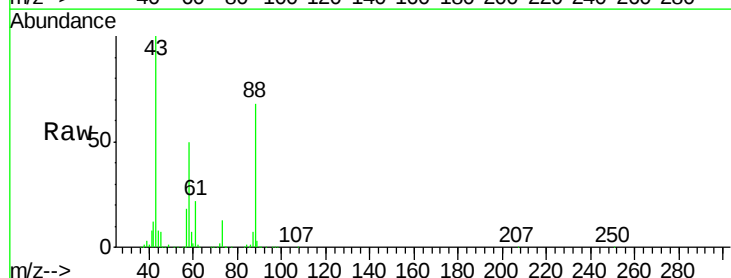
Tgt Ion: 88 Resp: 151034

Ion Ratio Lower Upper

88 100

58 70.8 55.2 82.8

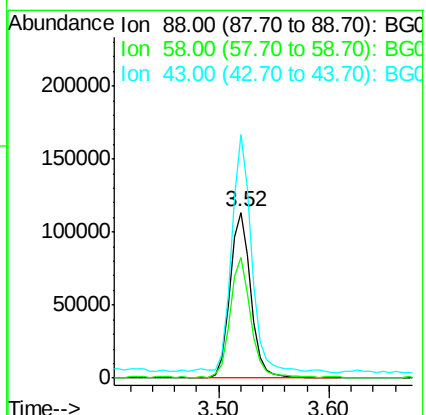
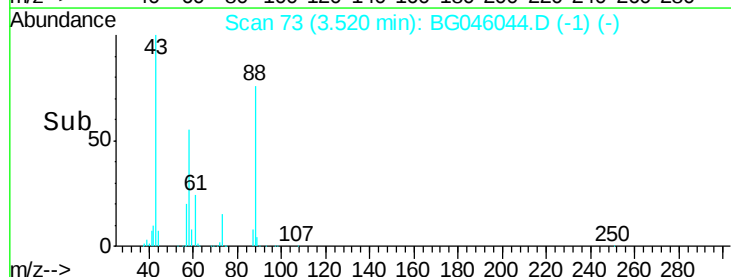
43 133.8 19.4 29.0#

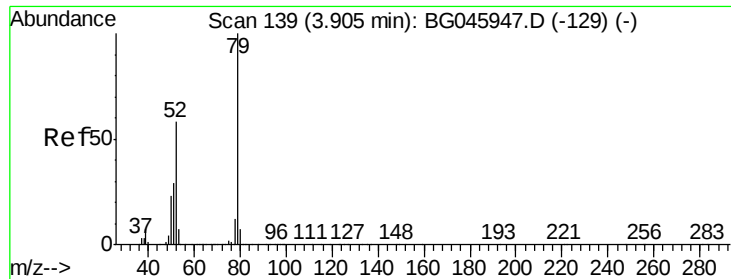


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 45.432 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.02 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

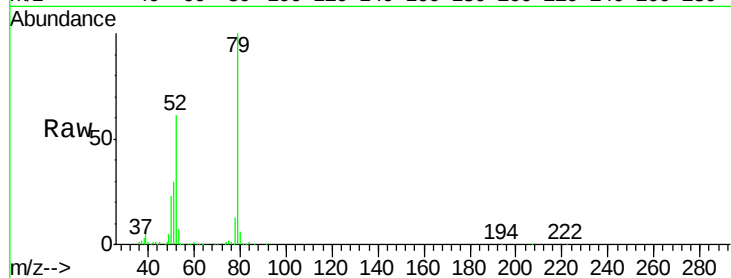
Tot Ion: 79 Resp: 435034

Ion Ratio Lower Upper

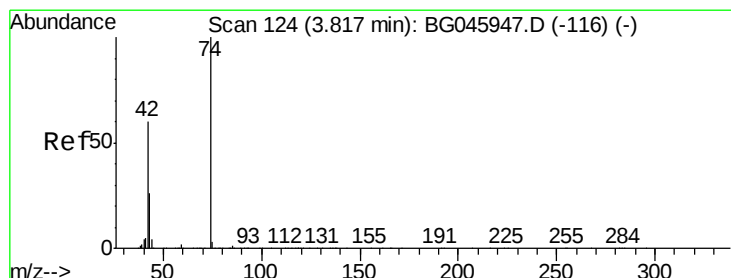
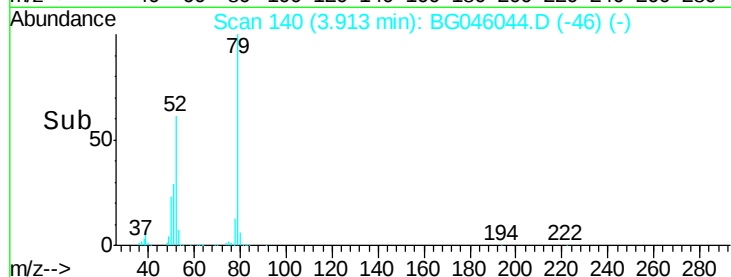
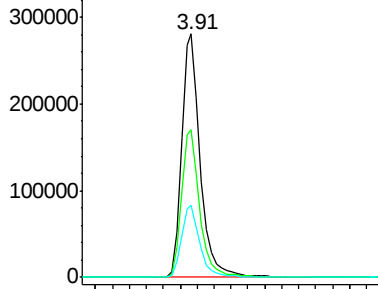
79 100

52 60.5 46.5 69.7

51 29.7 23.5 35.3



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



#4

n-Nitrosodimethylamine

Concen: 57.047 ng

RT: 3.81 min Scan# 123

Delta R.T. 0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

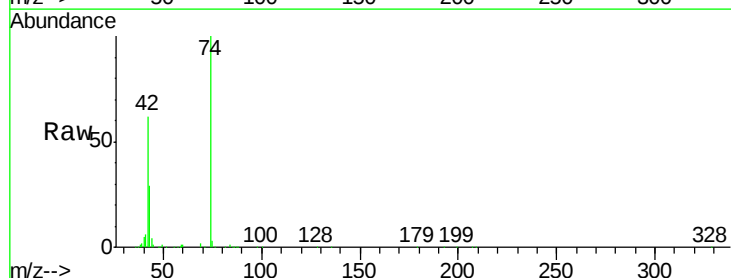
Tgt Ion: 42 Resp: 184714

Ion Ratio Lower Upper

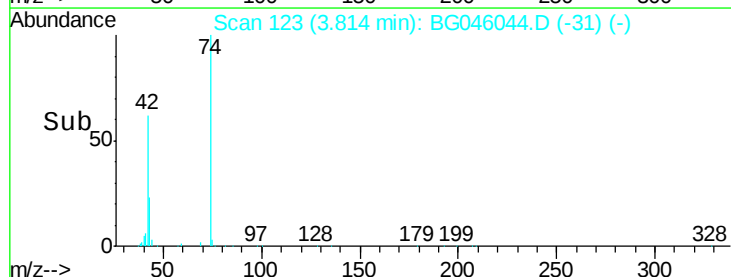
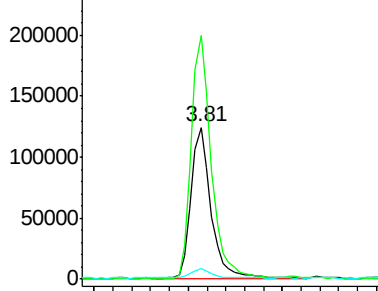
42 100

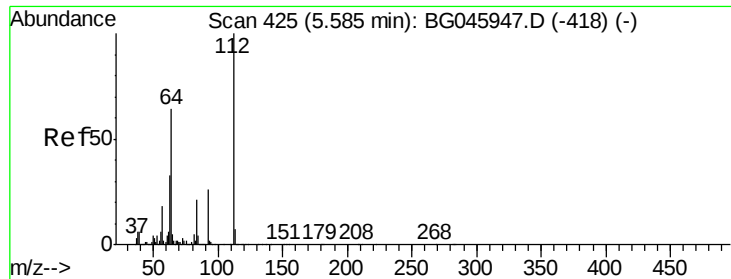
74 160.5 131.9 197.9

44 6.9 7.7 11.5#



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





#5

2-Fluorophenol

Concen: 127.739 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

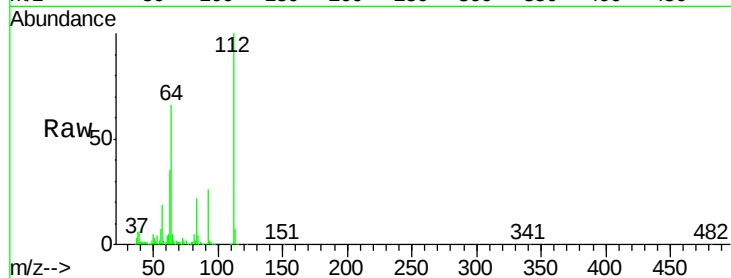
Tot Ion:112 Resp: 876816

Ion Ratio Lower Upper

112 100

64 65.9 51.4 77.2

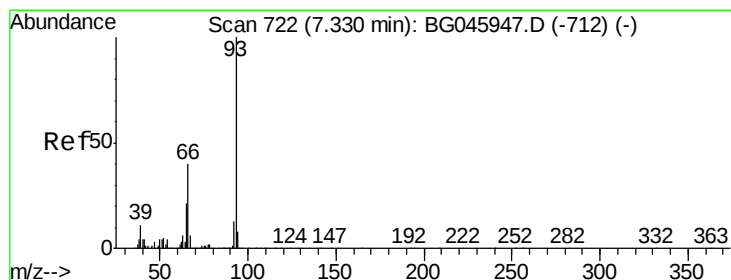
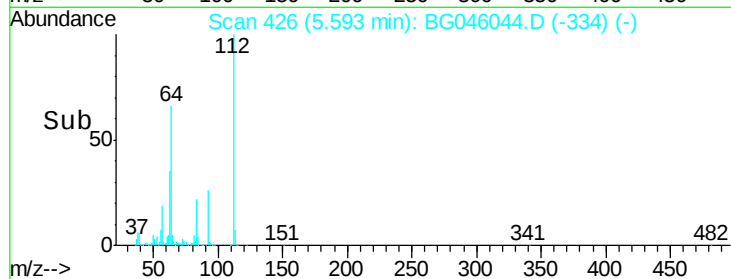
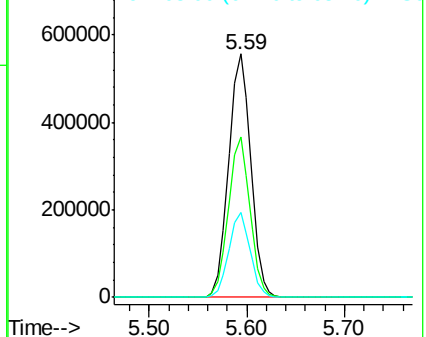
63 34.9 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 21.455 ng

RT: 7.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

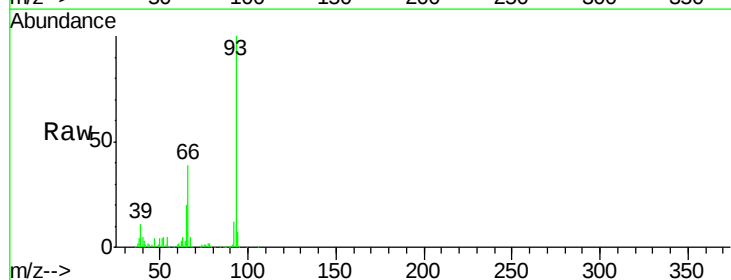
Tgt Ion: 93 Resp: 271234

Ion Ratio Lower Upper

93 100

66 39.2 32.3 48.5

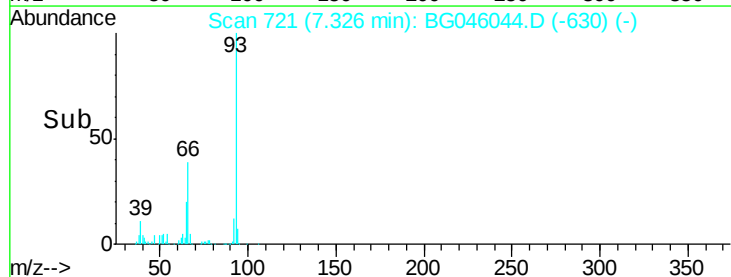
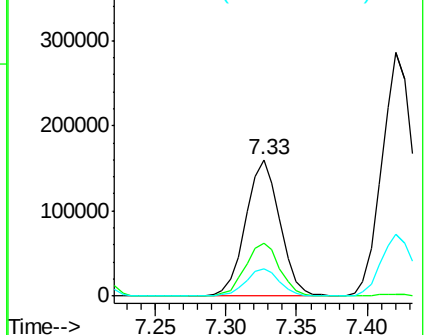
65 20.2 16.6 25.0

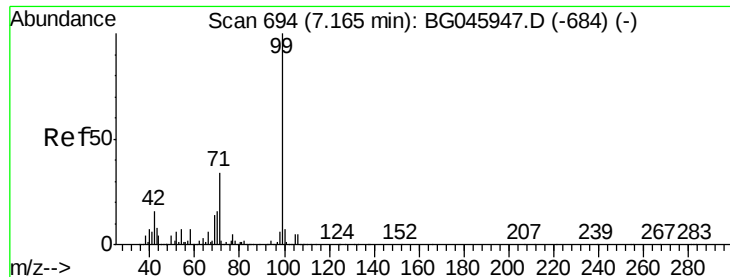


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 111.802 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046044.D

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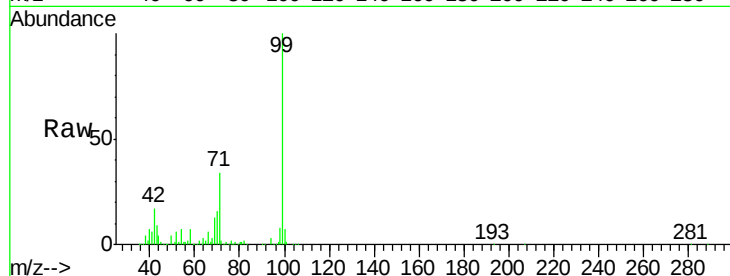
Tot Ion: 99 Resp: 1104865

Ion Ratio Lower Upper

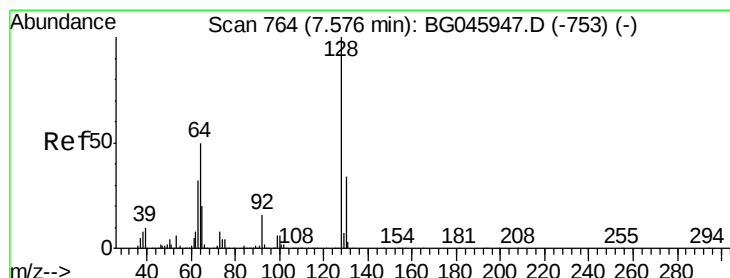
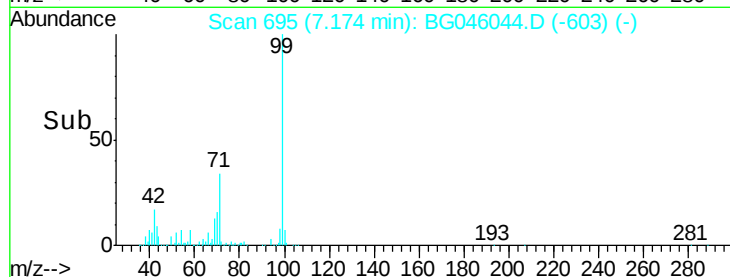
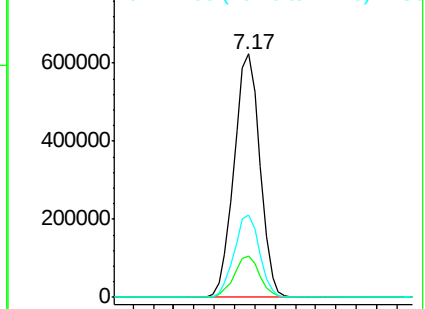
99 100

42 16.9 13.0 19.4

71 33.7 27.5 41.3



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



#8

2-Chlorophenol

Concen: 56.582 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

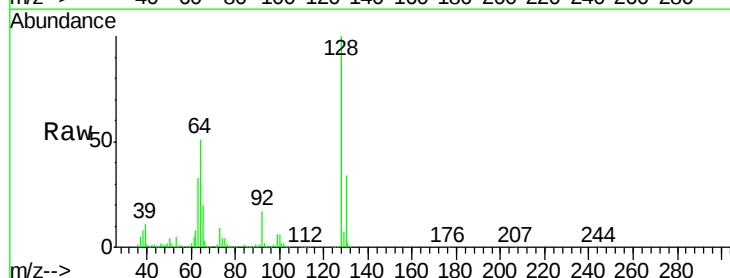
Tgt Ion: 128 Resp: 418085

Ion Ratio Lower Upper

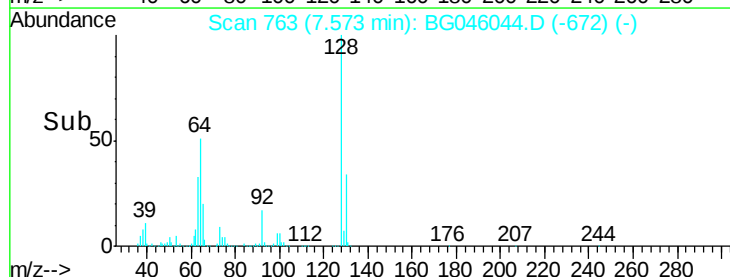
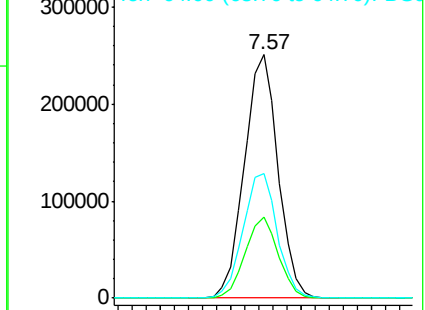
128 100

130 33.5 13.6 53.6

64 51.0 30.6 70.6



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





#9

Benzaldehyde

Concen: 22.113 ng

RT: 7.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

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ClientSampleId :

CL-02-070920MSD

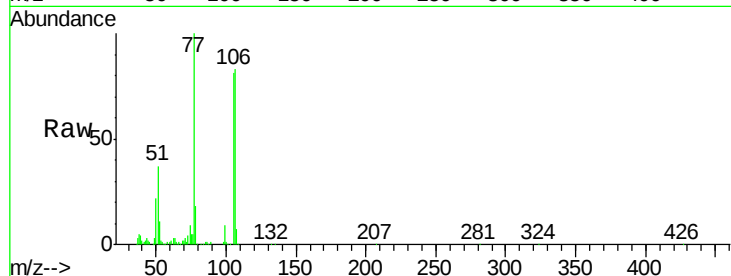
Tot Ion: 77 Resp: 138456

Ion Ratio Lower Upper

77 100

105 80.6 66.0 106.0

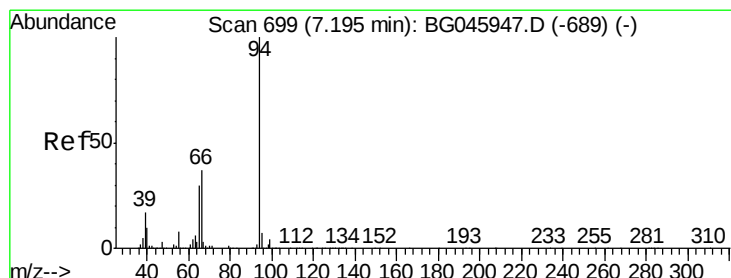
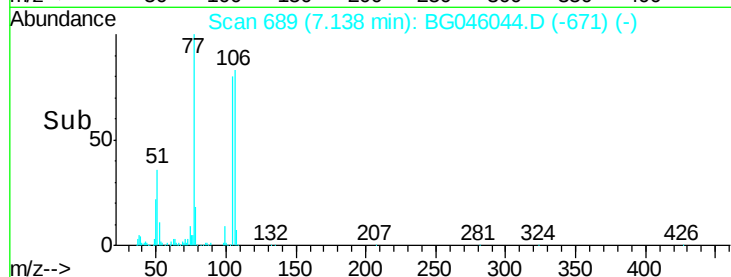
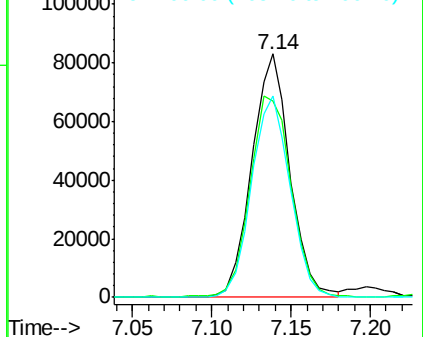
106 82.6 67.7 107.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 48.198 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

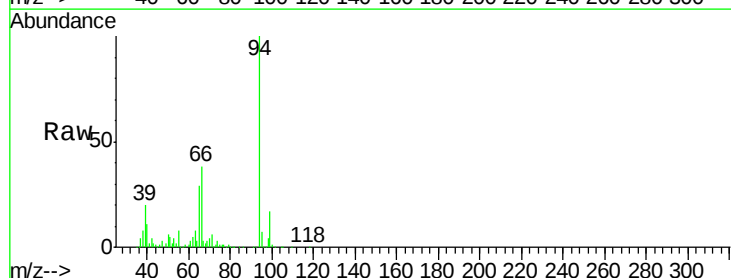
Tgt Ion: 94 Resp: 477800

Ion Ratio Lower Upper

94 100

65 28.9 10.6 50.6

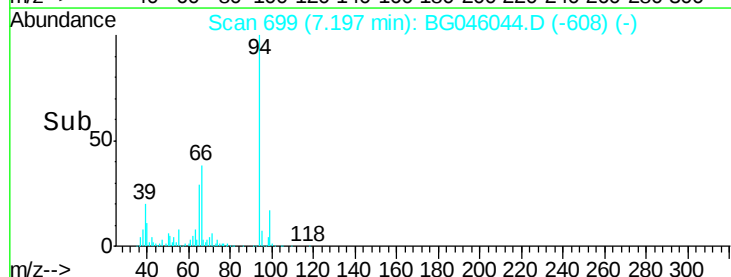
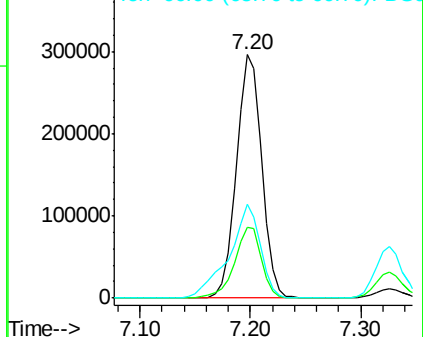
66 38.4 17.1 57.1

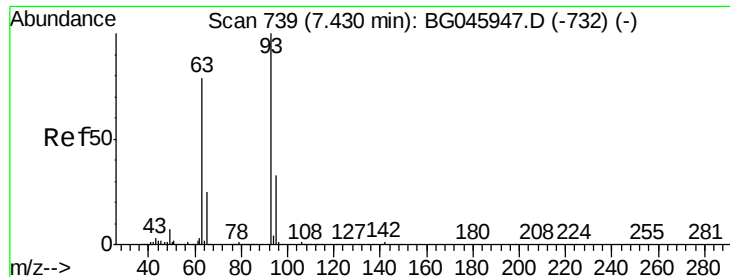


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

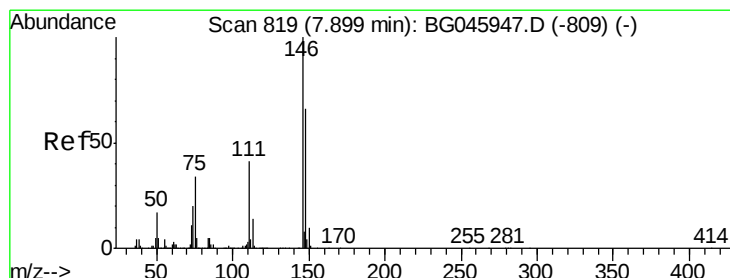
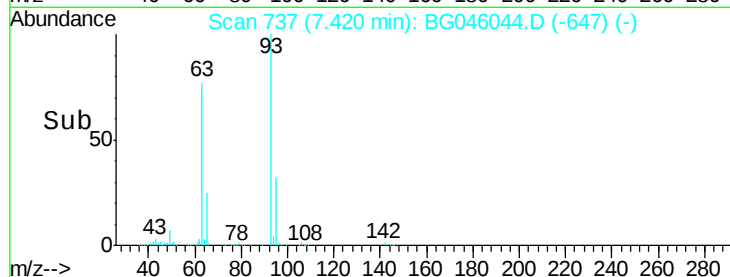
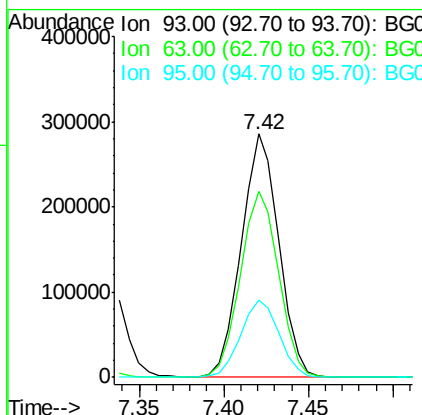
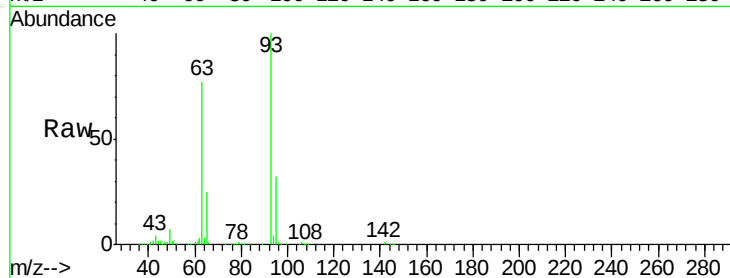




#11
bis(2-Chloroethyl)ether
Concen: 53.539 ng
RT: 7.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

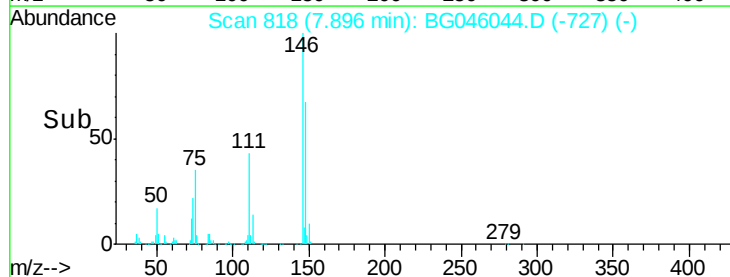
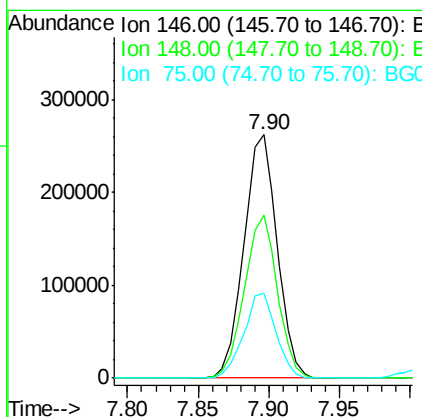
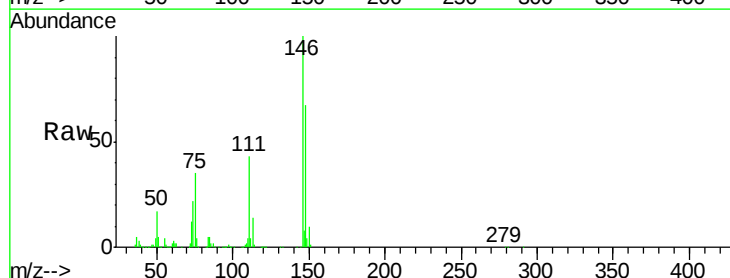
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

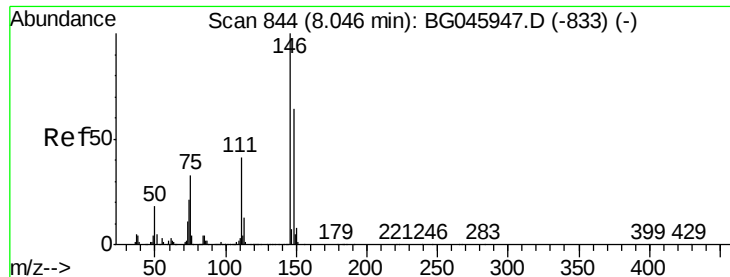
Tot Ion: 93 Resp: 438881
Ion Ratio Lower Upper
93 100
63 76.6 58.6 98.6
95 31.8 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 50.778 ng
RT: 7.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion: 146 Resp: 432473
Ion Ratio Lower Upper
146 100
148 66.9 52.8 79.2
75 34.9 27.2 40.8

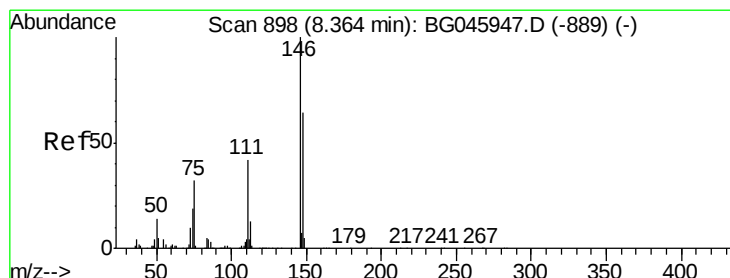
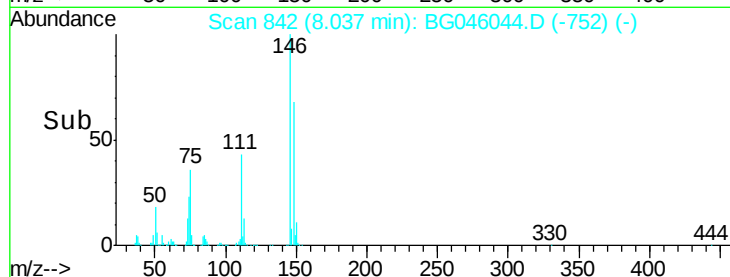
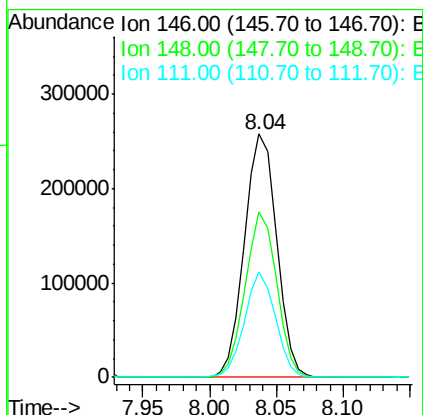
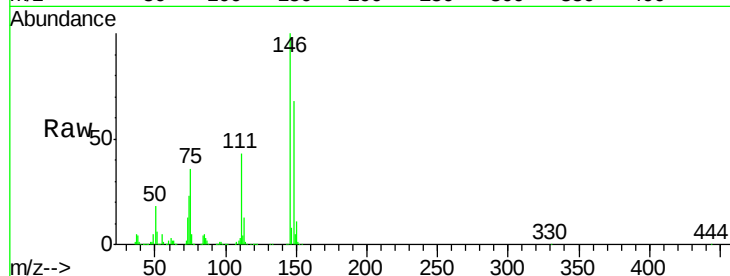




#13
1,4-Dichlorobenzene
Concen: 51.322 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

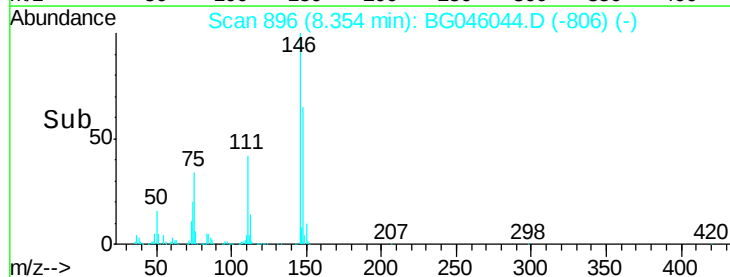
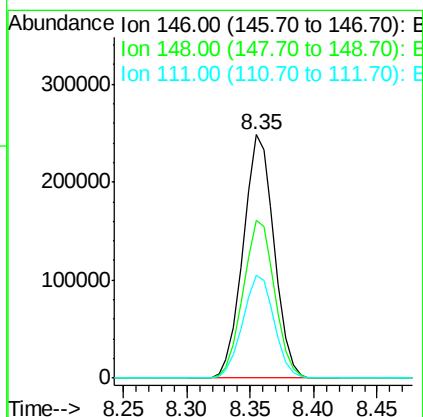
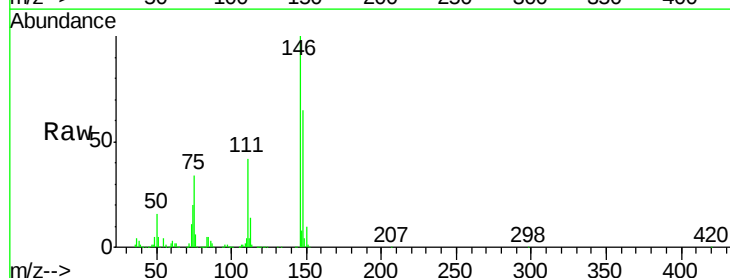
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

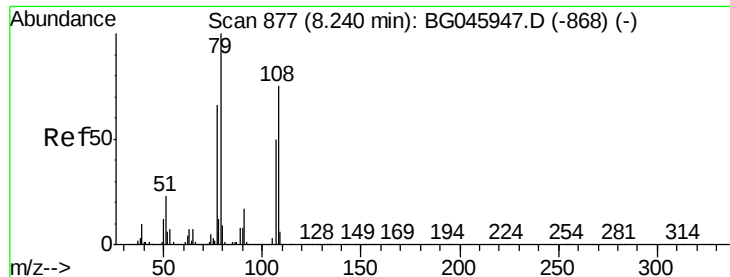
Tot Ion:146 Resp: 429988
Ion Ratio Lower Upper
146 100
148 68.0 51.7 77.5
111 43.0 33.3 49.9



#14
1,2-Dichlorobenzene
Concen: 52.004 ng
RT: 8.35 min Scan# 896
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:146 Resp: 419338
Ion Ratio Lower Upper
146 100
148 64.7 51.6 77.4
111 42.4 34.0 51.0





#15

Benzyl Alcohol

Concen: 53.626 ng

RT: 8.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

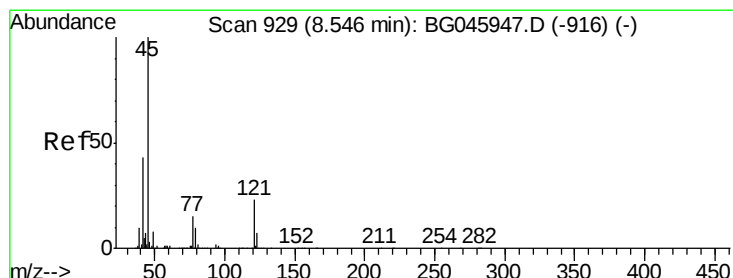
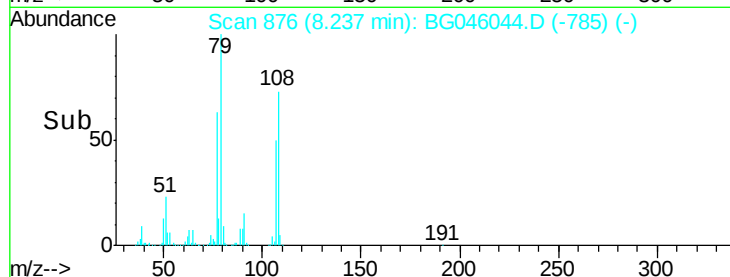
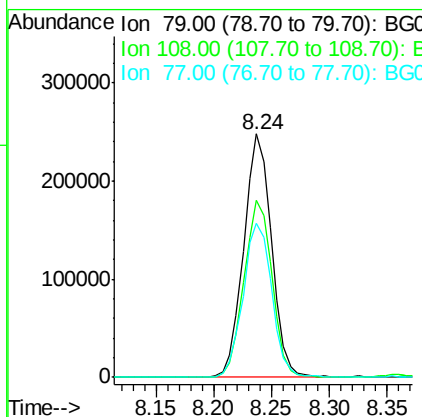
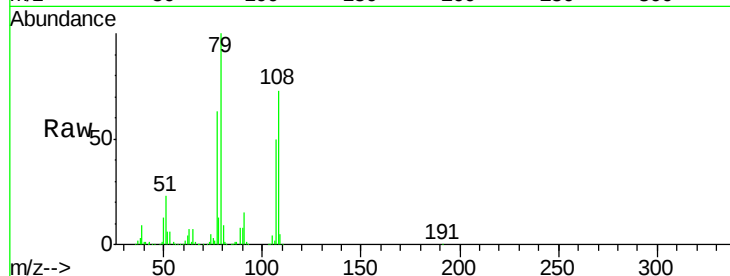
Tot Ion: 79 Resp: 41525

Ion Ratio Lower Upper

79 100

108 72.5 60.2 90.4

77 63.3 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 53.368 ng

RT: 8.54 min Scan# 927

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

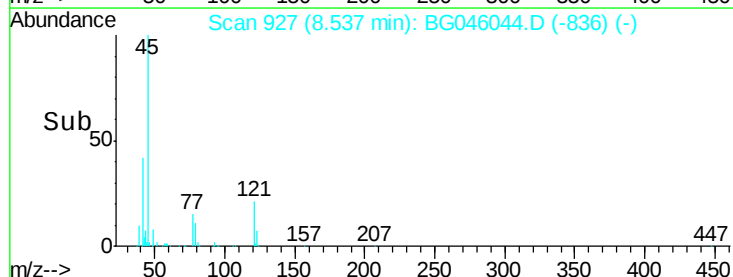
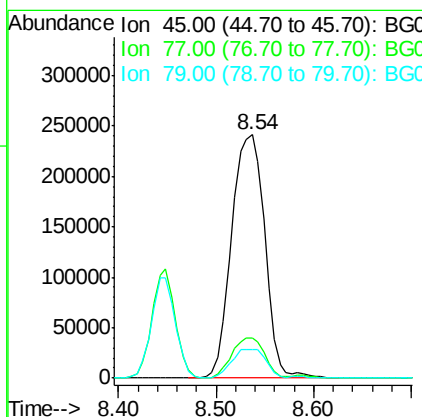
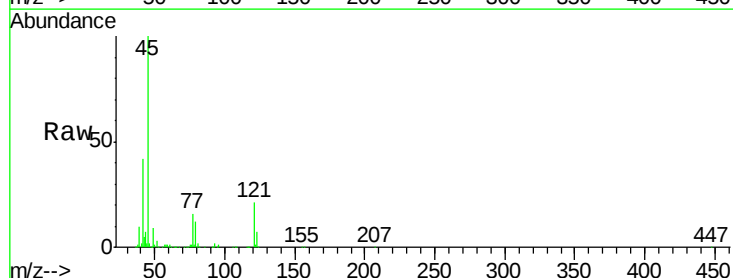
Tgt Ion: 45 Resp: 570787

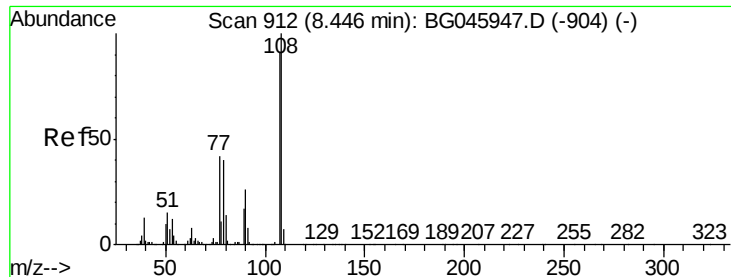
Ion Ratio Lower Upper

45 100

77 16.4 0.0 37.6

79 11.9 0.0 32.6





#17

2-Methylphenol

Concen: 50.264 ng

RT: 8.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

Tot Ion:107 Resp: 373881

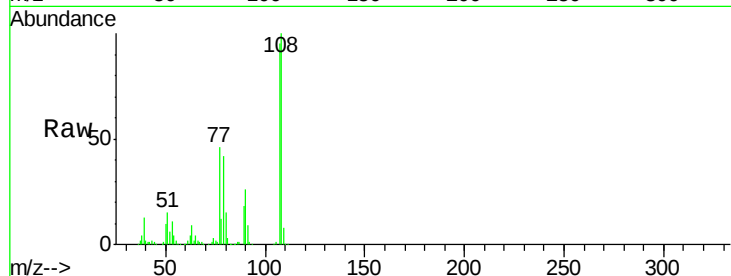
Ion Ratio Lower Upper

107 100

108 105.2 88.2 132.4

77 48.9 37.0 55.4

79 44.5 35.4 53.0

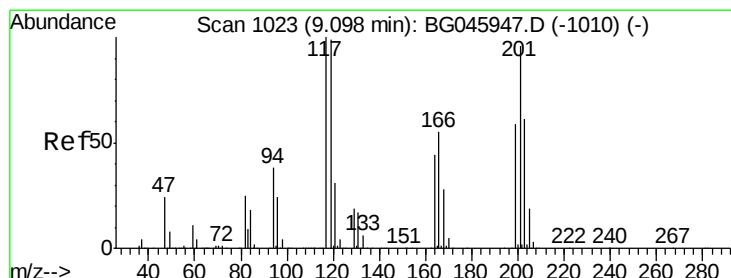
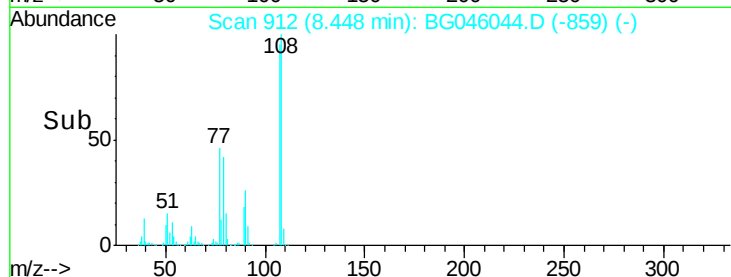
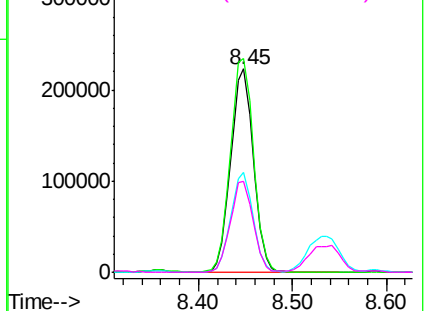


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 51.359 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

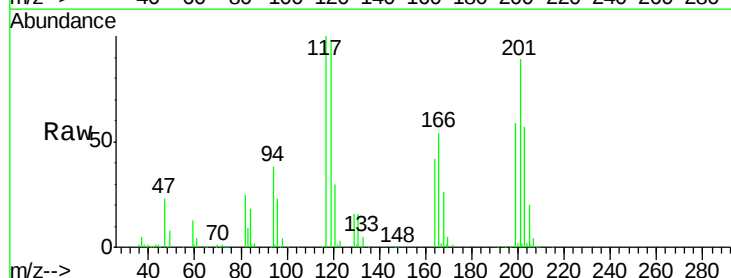
Tgt Ion:117 Resp: 165567

Ion Ratio Lower Upper

117 100

119 97.6 79.5 119.3

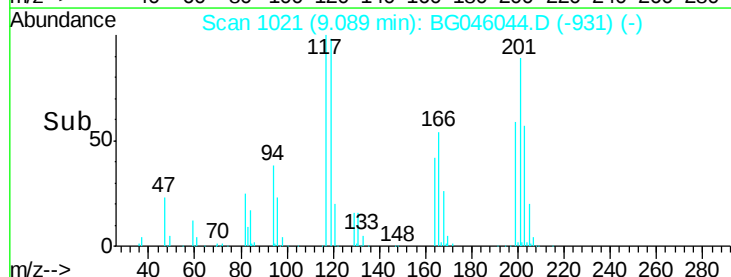
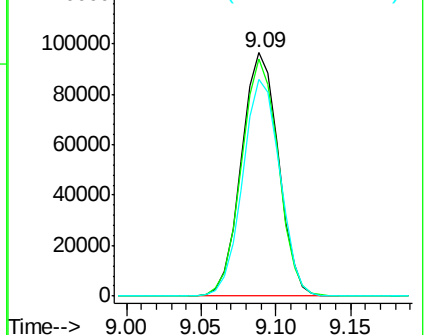
201 88.9 77.0 115.4

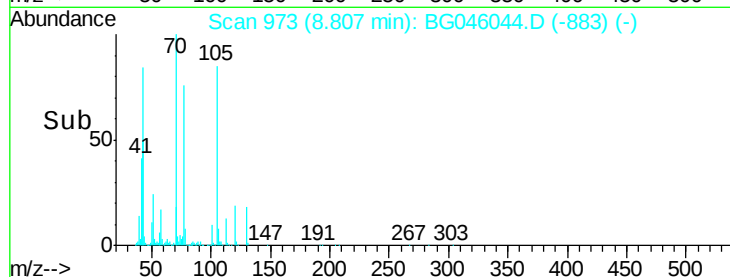
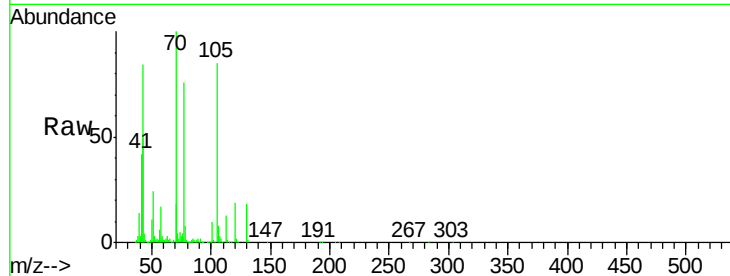
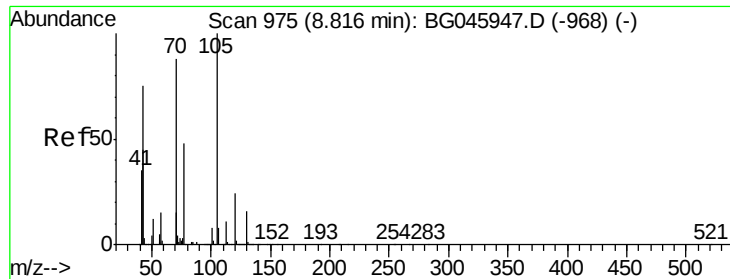


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

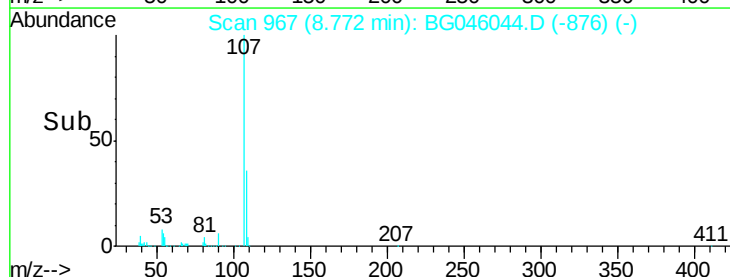
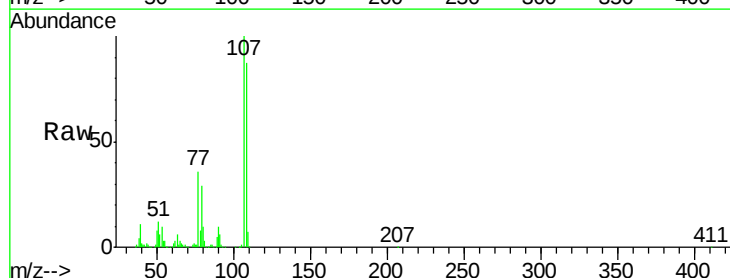
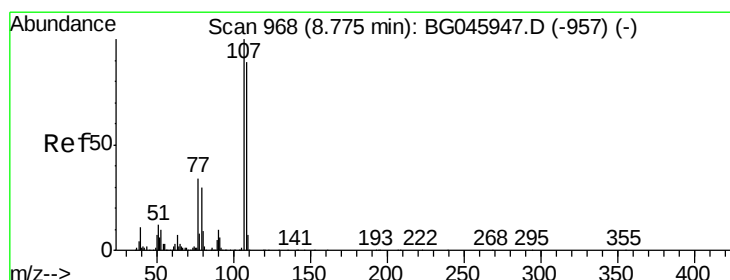
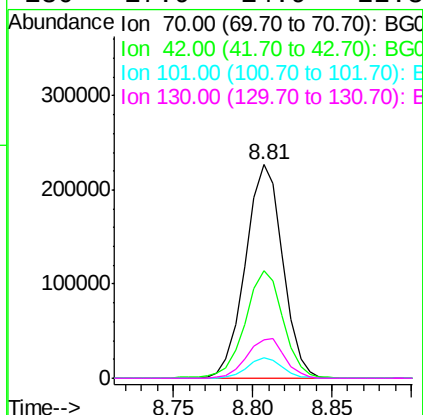




#19
n-Nitroso-di-n-propylamine
Concen: 53.371 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

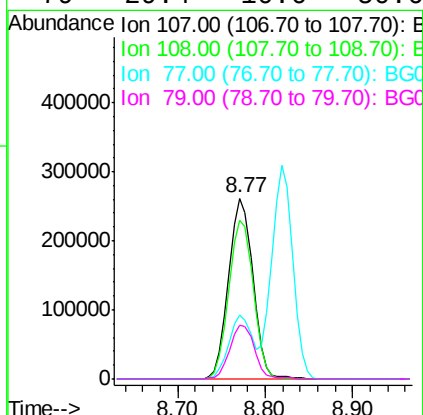
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

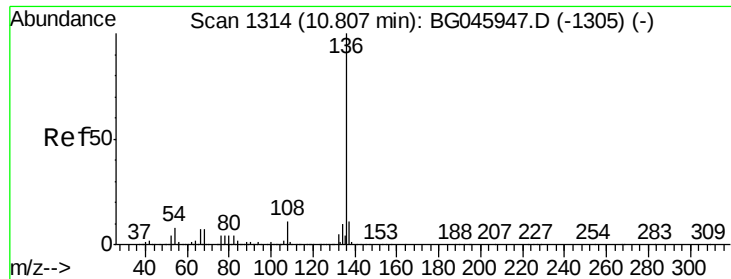
Tot Ion:	70	Resp:	370526
Ion	Ratio	Lower	Upper
70	100		
42	50.2	41.4	62.0
101	9.8	7.1	10.7
130	17.9	14.9	22.3



#20
3+4-Methylphenols
Concen: 48.589 ng
RT: 8.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:	107	Resp:	492577
Ion	Ratio	Lower	Upper
107	100		
108	87.4	68.7	108.7
77	35.7	14.6	54.6
79	29.4	10.6	50.6

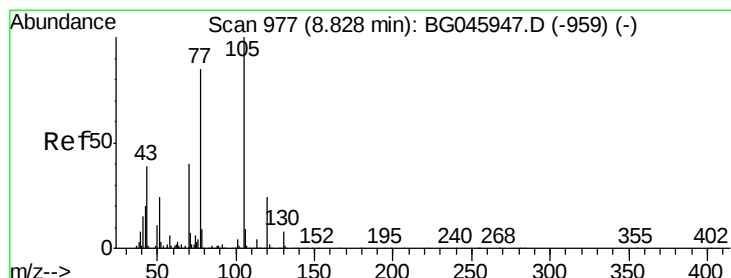
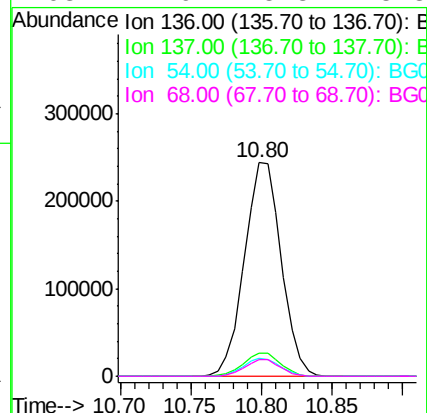
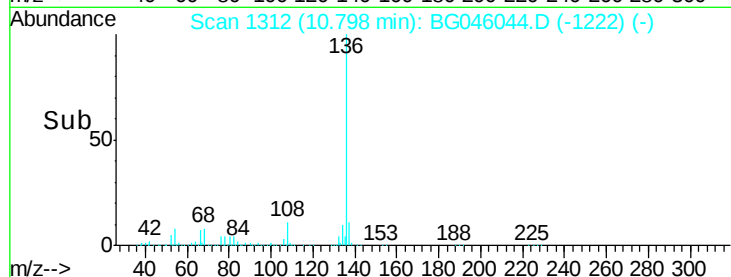
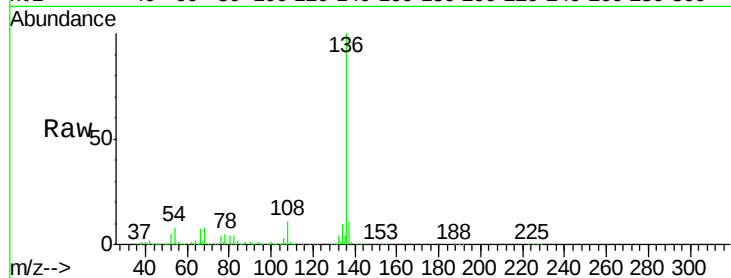




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

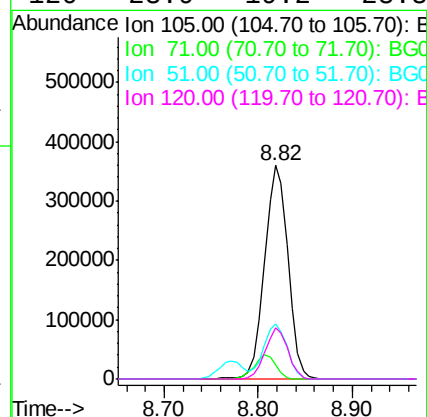
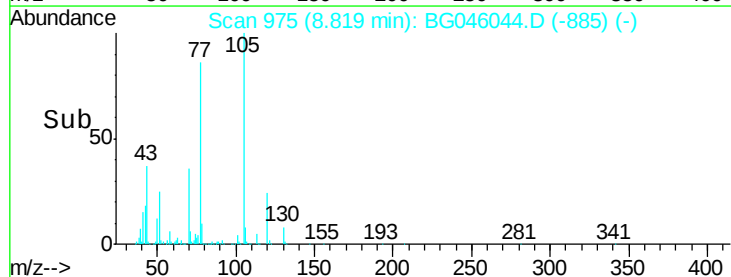
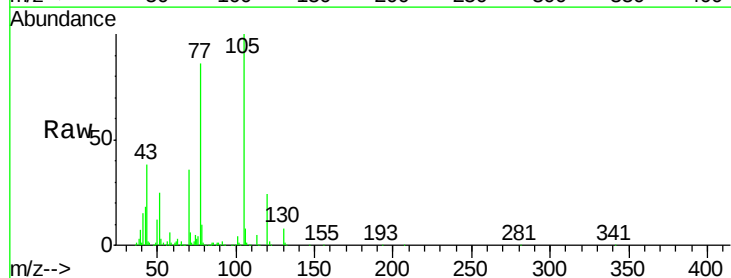
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

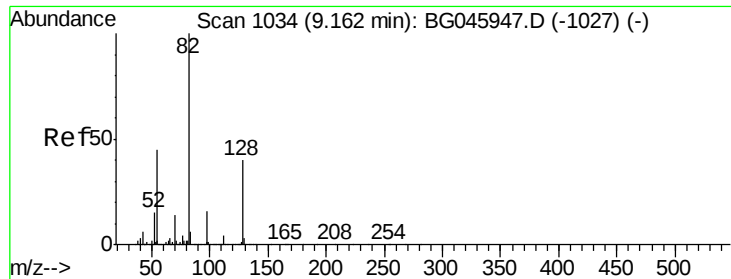
Tot Ion:136	Resp:	446724	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.2	13.8	
54 8.3	6.2	9.4	
68 7.9	5.8	8.8	



#22
Acetophenone
Concen: 51.781 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt	Ion:105	Resp:	617961
Ion	Ratio	Lower	Upper
105	100		
71	6.5	6.2	9.2
51	25.5	19.7	29.5
120	23.9	19.2	28.8

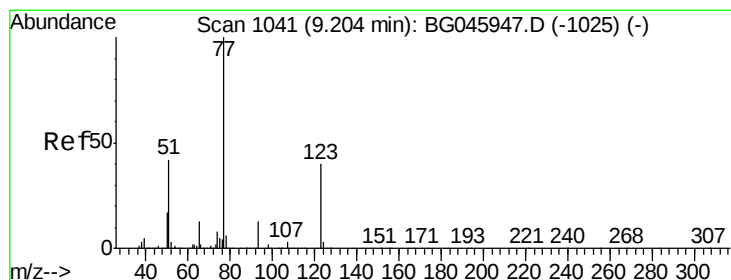
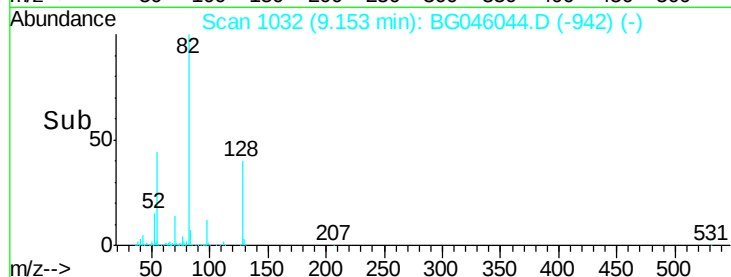
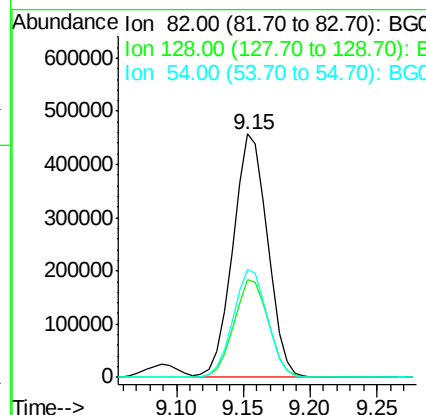
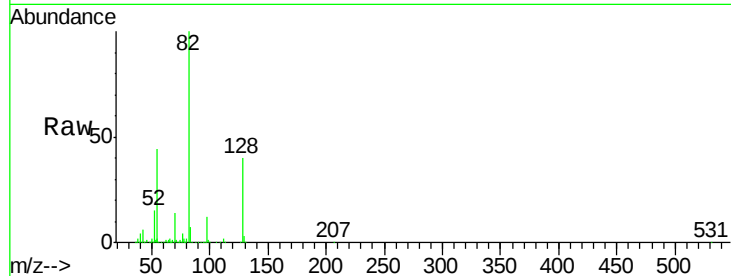




#23
 Nitrobenzene-d5
 Concen: 106.165 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

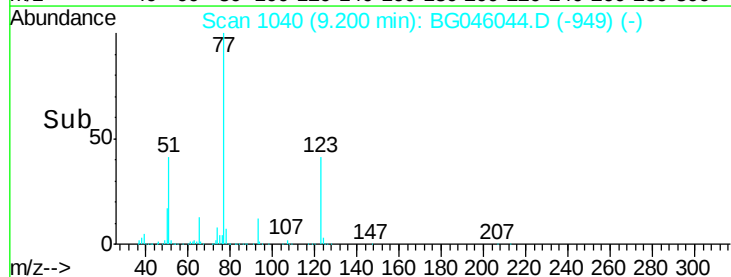
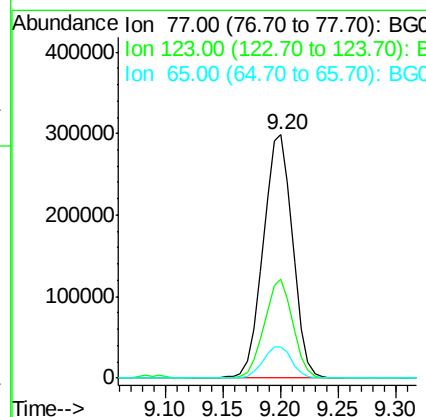
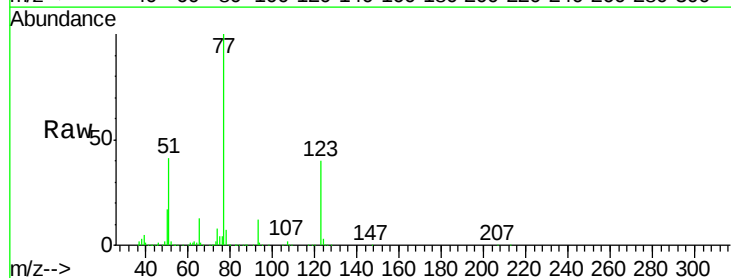
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

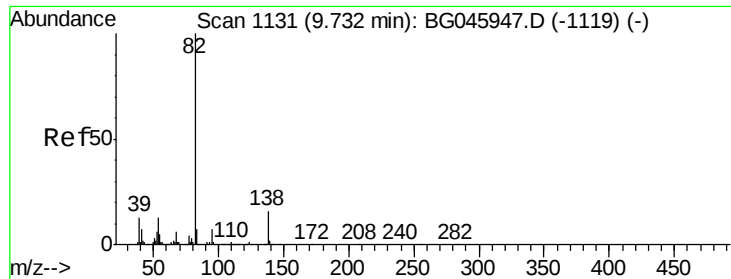
Tot Ion	82	Resp	823981
Ion Ratio	Lower	Upper	
82	100		
128	40.2	32.2	48.4
54	44.2	35.8	53.6



#24
 Nitrobenzene
 Concen: 61.880 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion	77	Resp	530086
Ion Ratio	Lower	Upper	
77	100		
123	40.5	32.7	49.1
65	12.6	10.2	15.4

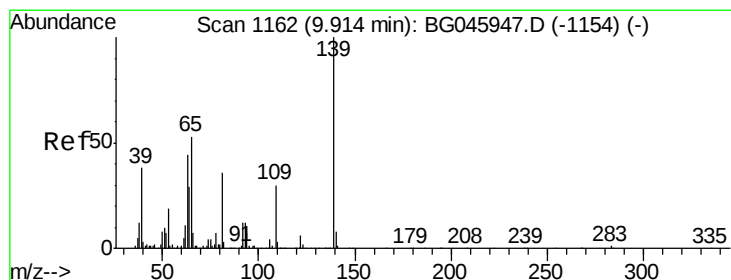
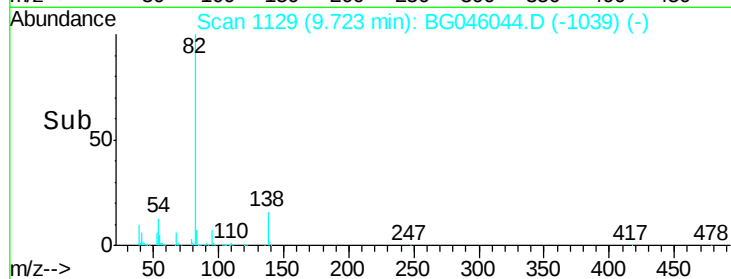
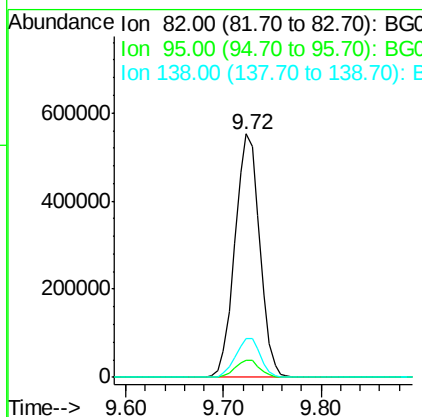
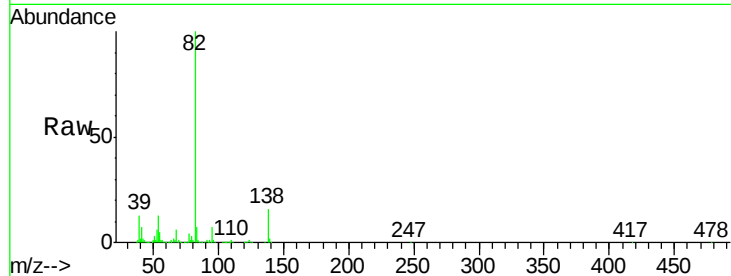




#25
Isophorone
Concen: 51.128 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

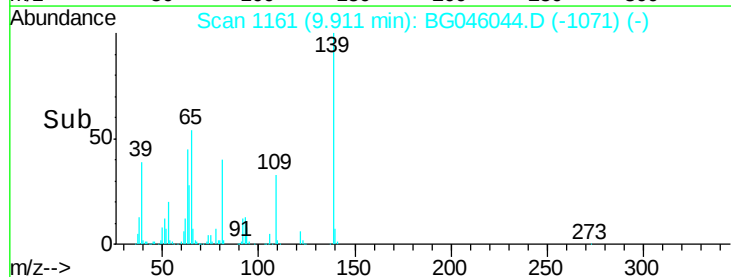
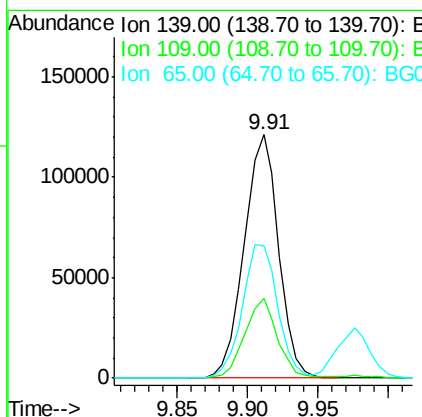
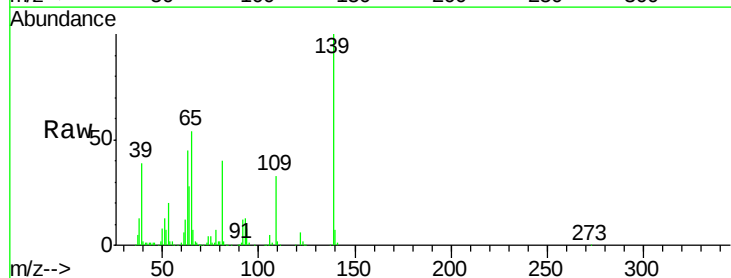
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

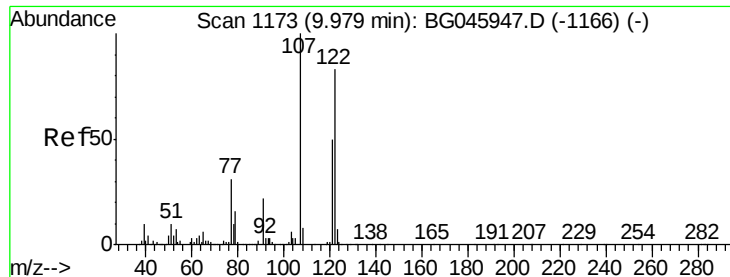
Tot Ion: 82 Resp: 968722
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 16.2 12.9 19.3



#26
2-Nitrophenol
Concen: 74.094 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion: 139 Resp: 206882
Ion Ratio Lower Upper
139 100
109 32.8 24.6 37.0
65 54.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 54.182 ng

RT: 9.98 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

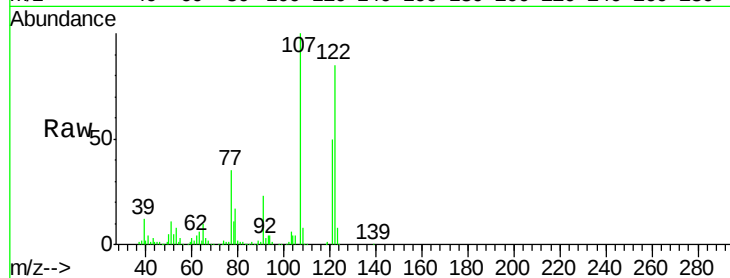
Tot Ion:122 Resp: 365409

Ion Ratio Lower Upper

122 100

107 117.7 95.6 143.4

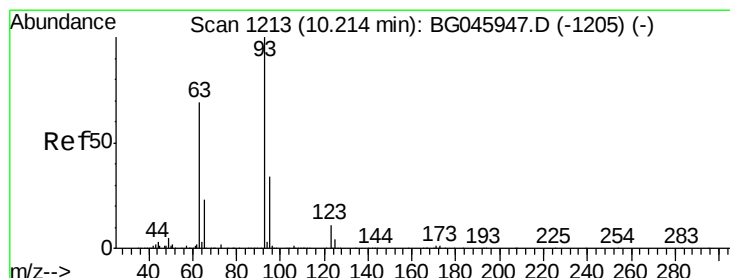
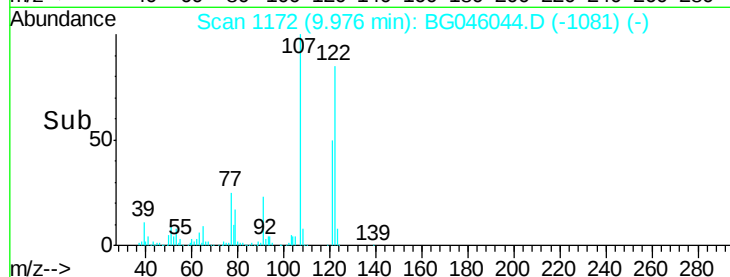
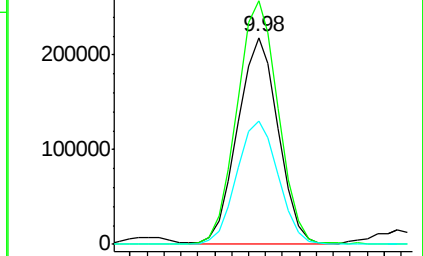
121 59.3 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 54.513 ng

RT: 10.20 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

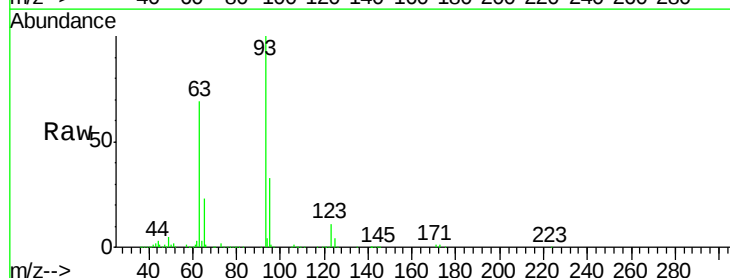
Tgt Ion: 93 Resp: 579995

Ion Ratio Lower Upper

93 100

95 33.4 27.5 41.3

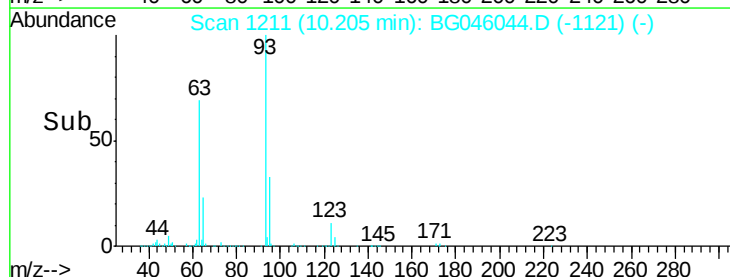
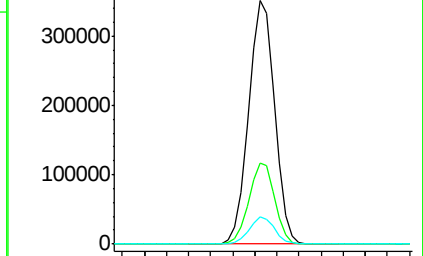
123 11.1 9.2 13.8

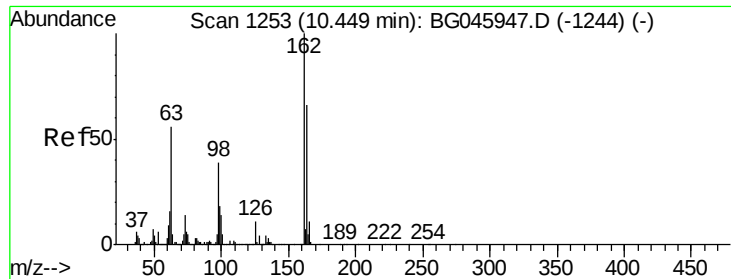


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

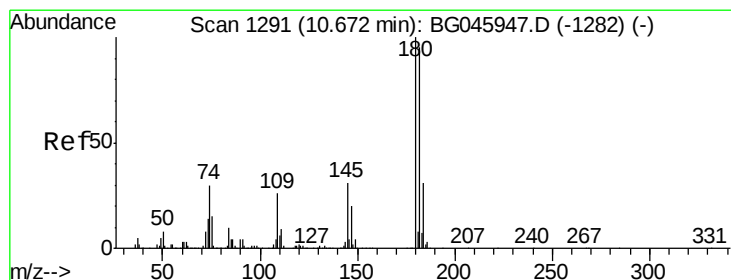
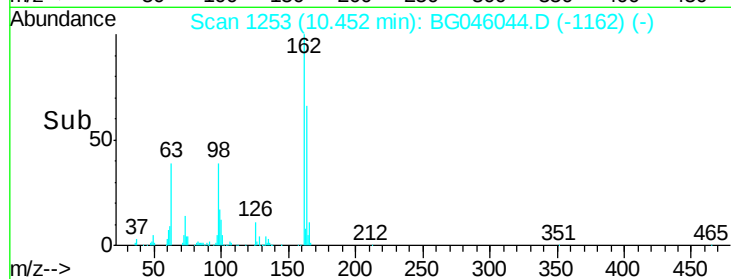
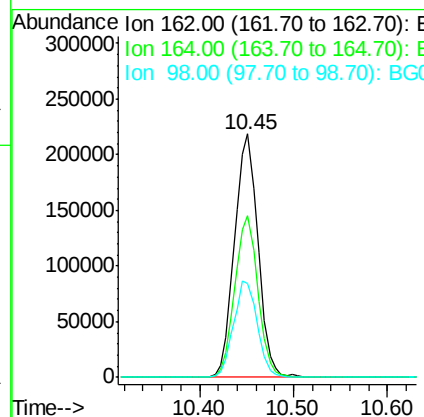
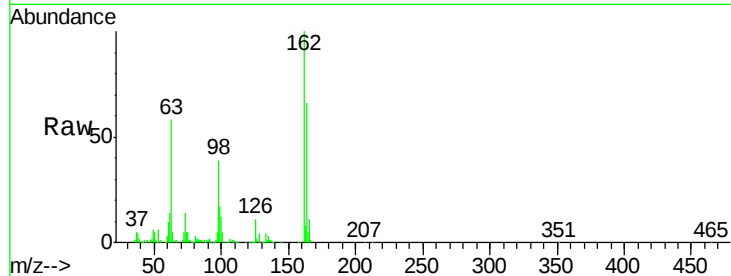




#29
 2,4-Dichlorophenol
 Concen: 54.353 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

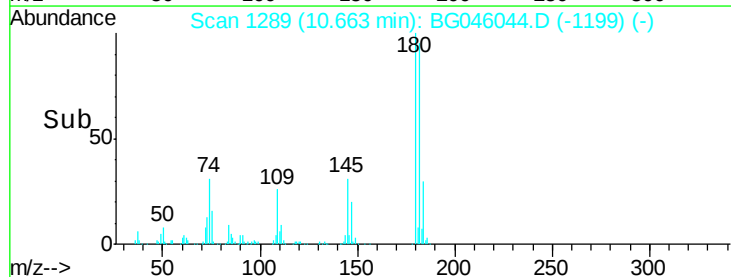
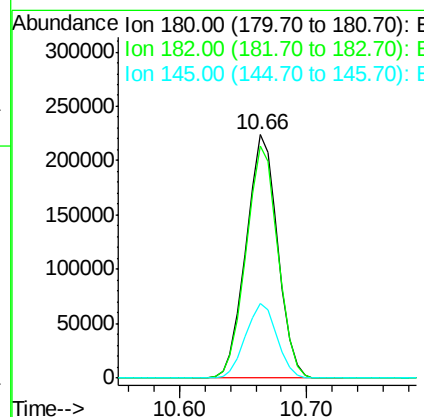
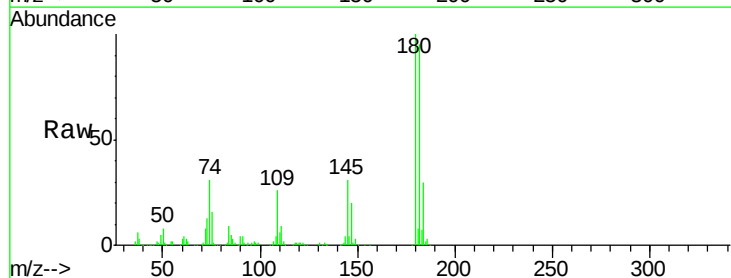
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

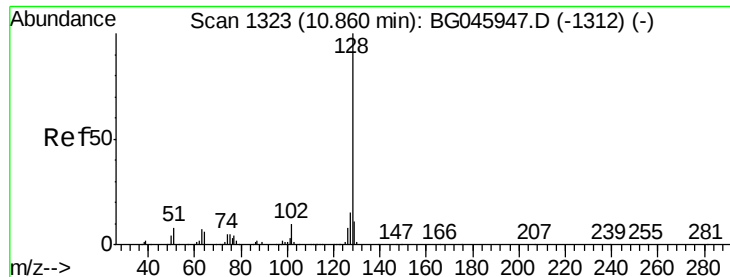
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.3	46.0	86.0
98	38.8	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 50.061 ng
 RT: 10.66 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	30.9	24.8	37.2

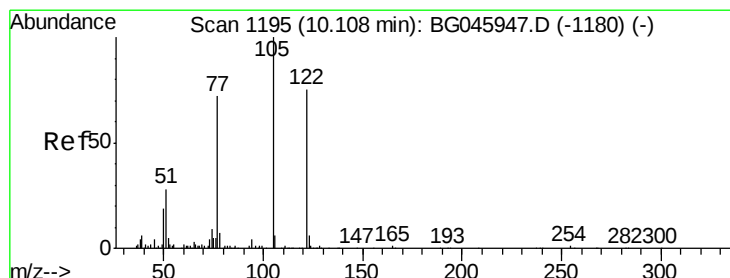
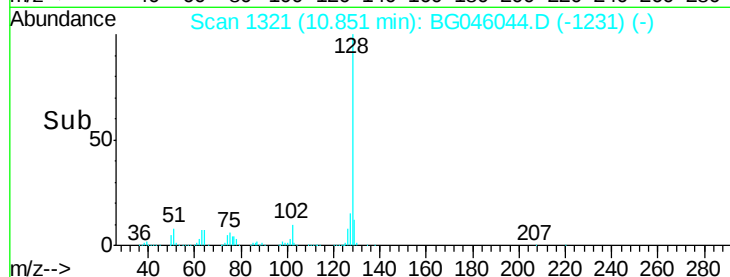
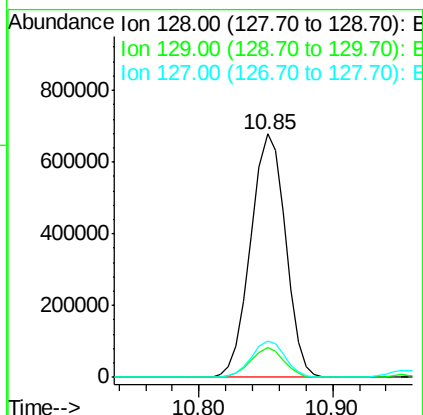
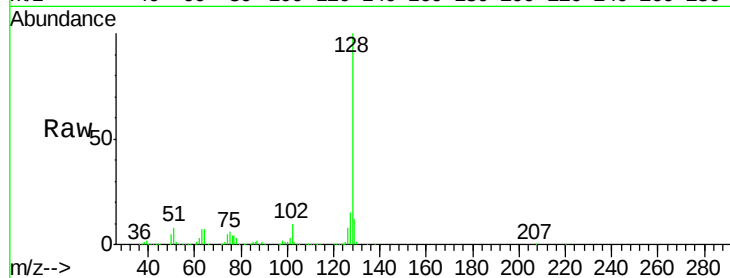




#31
Naphthalene
Concen: 51.150 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

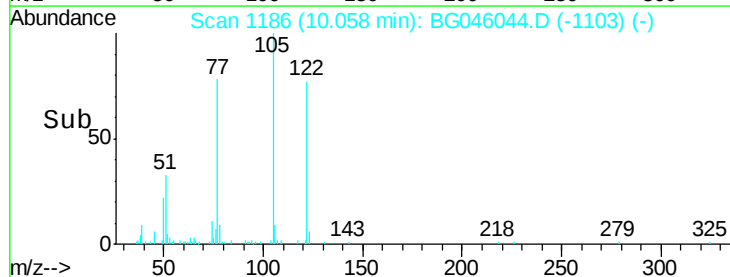
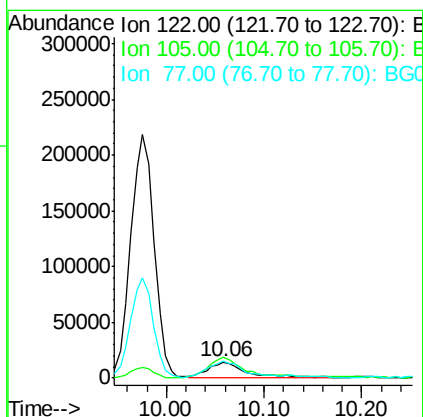
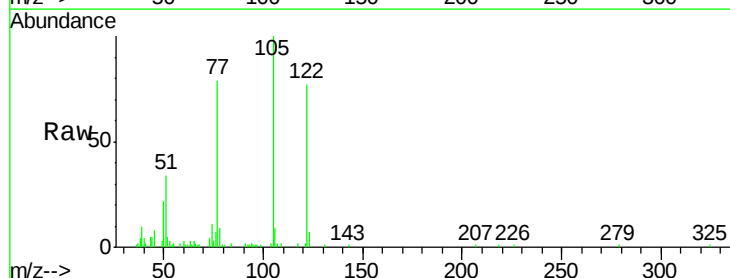
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

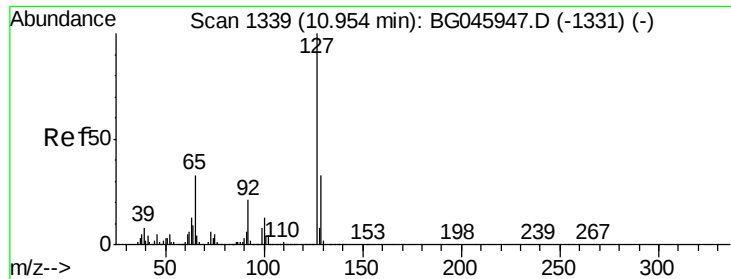
Tot Ion:128 Resp: 1224936
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 14.7 11.8 17.6



#32
Benzoic acid
Concen: 14.228 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.04 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:122 Resp: 36791
Ion Ratio Lower Upper
122 100
105 130.5 110.8 150.8
77 103.0 76.4 116.4

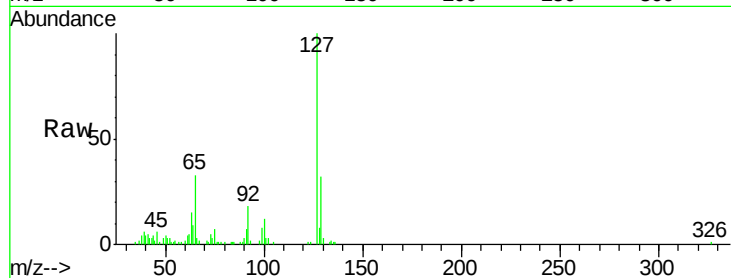




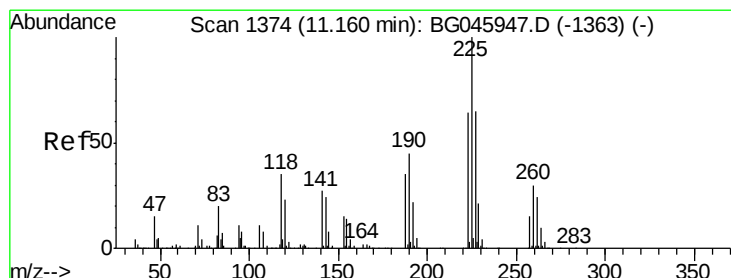
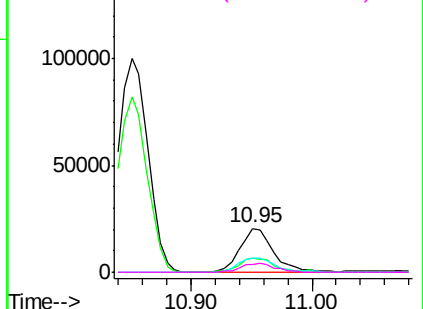
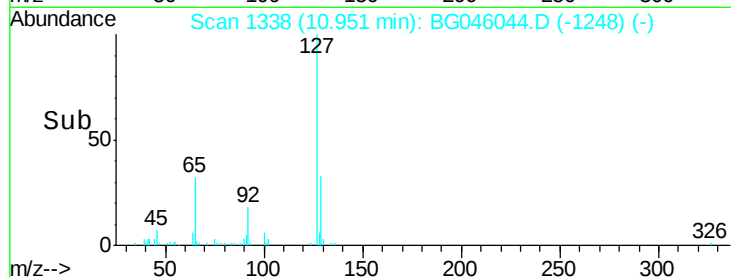
#33
4-Chloroaniline
Concen: 3.761 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion:	127	Resp:	40247
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.6	39.8
65	33.3	26.8	40.2
92	18.3	17.0	25.4

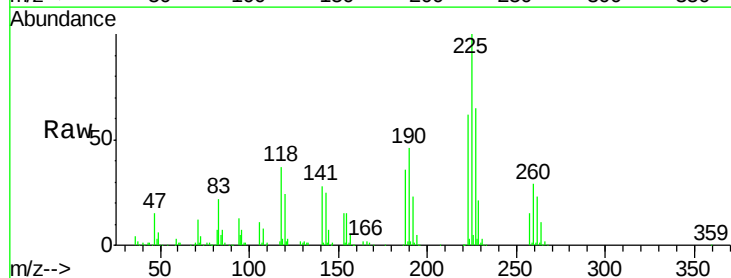


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

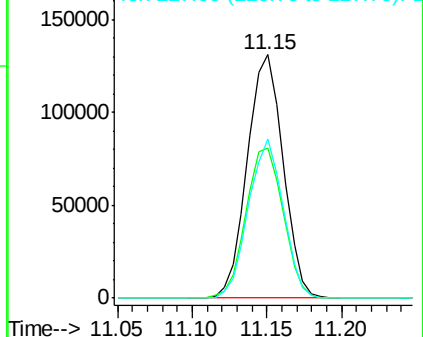
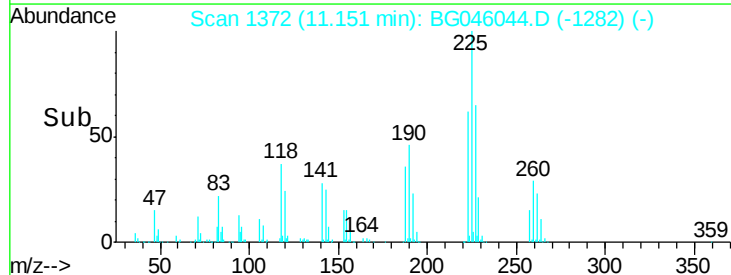


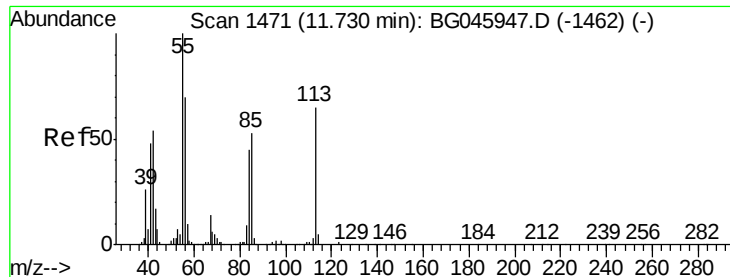
#34
Hexachlorobutadiene
Concen: 48.103 ng
RT: 11.15 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:	225	Resp:	217266
Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.2	76.8
227	65.5	52.3	78.5



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





#35

Caprolactam

Concen: 29.917 ng

RT: 11.71 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

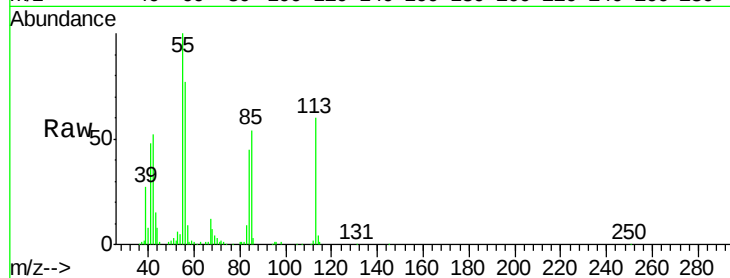
Tot Ion:113 Resp: 79299

Ion Ratio Lower Upper

113 100

55 167.9 141.6 181.6

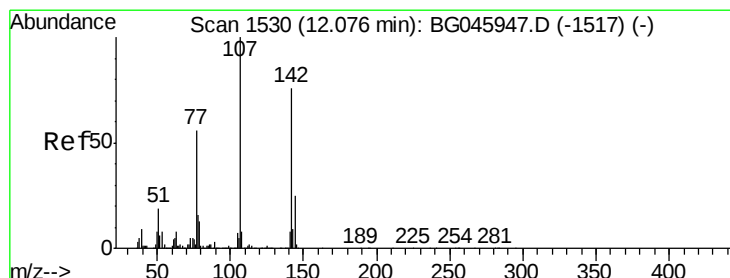
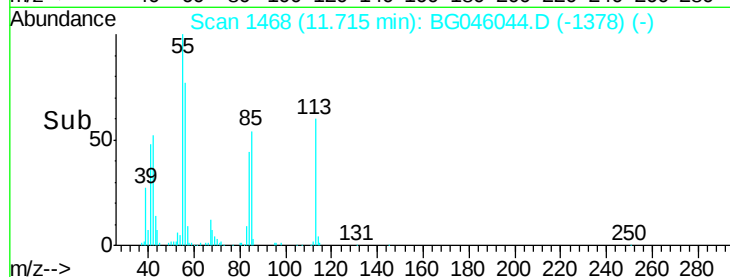
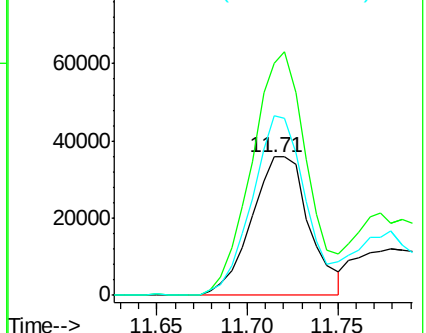
56 129.6 89.6 129.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 55.068 ng

RT: 12.08 min Scan# 1531

Delta R.T. 0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

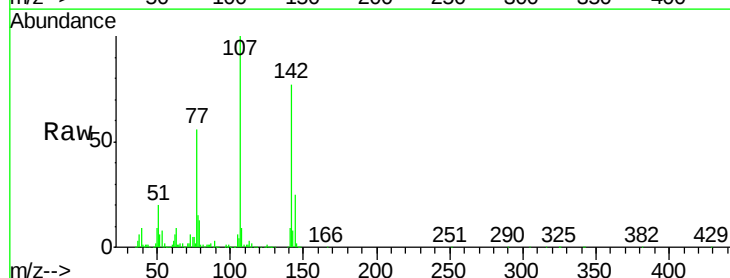
Tgt Ion:107 Resp: 437882

Ion Ratio Lower Upper

107 100

144 25.0 20.0 30.0

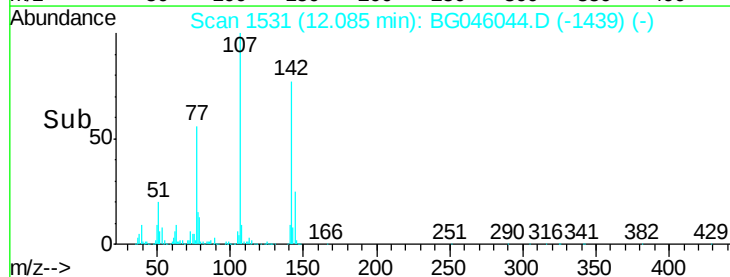
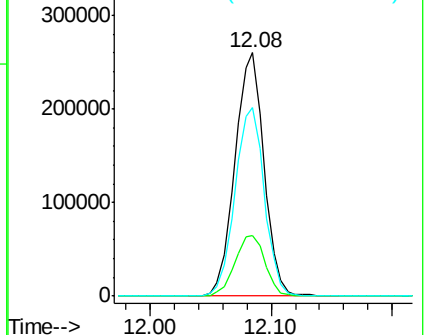
142 77.3 61.1 91.7

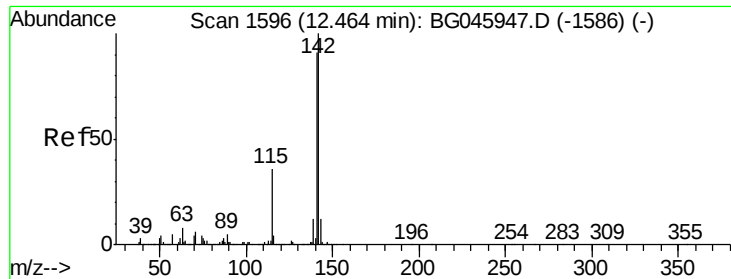


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

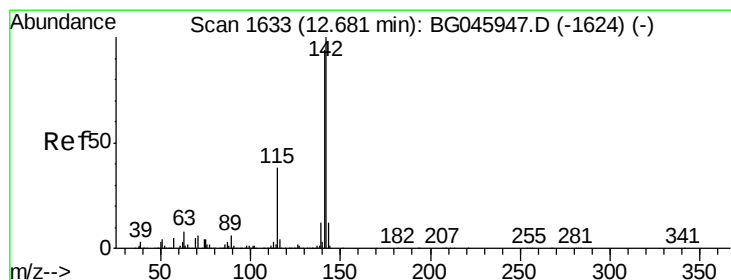
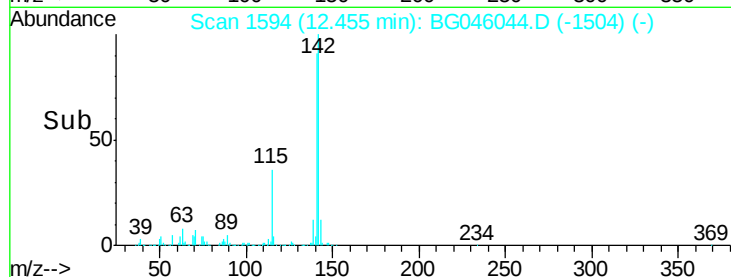
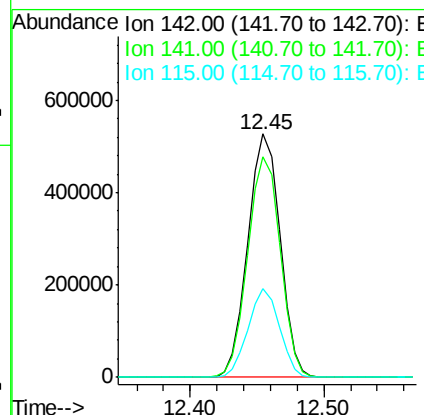
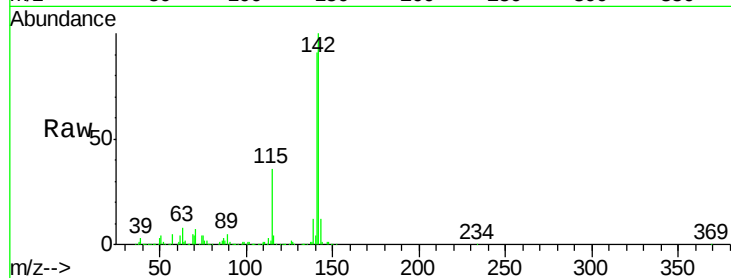




#37
2-Methylnaphthalene
Concen: 51.648 ng
RT: 12.45 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

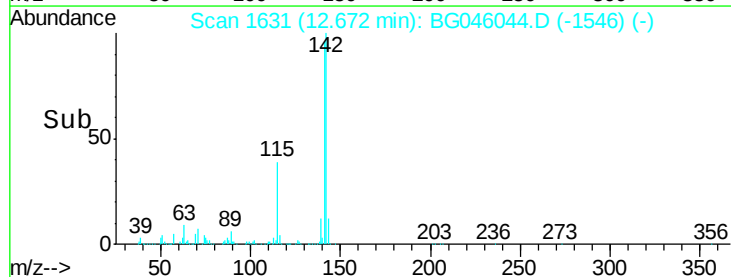
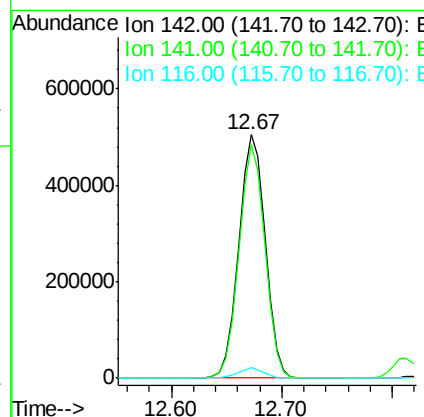
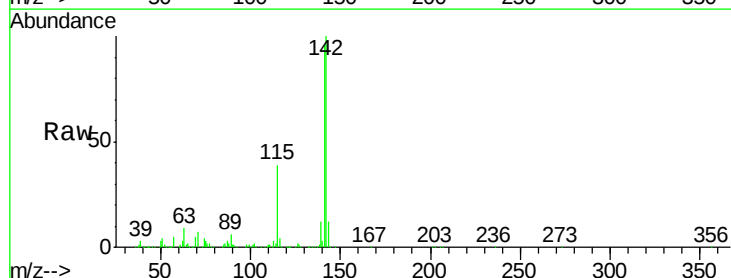
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

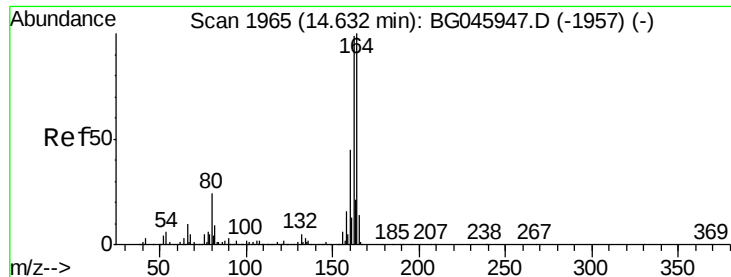
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.6
115	36.4	28.8	43.2



#38
1-Methylnaphthalene
Concen: 52.753 ng
RT: 12.67 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	75.2	112.8
116	4.3	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

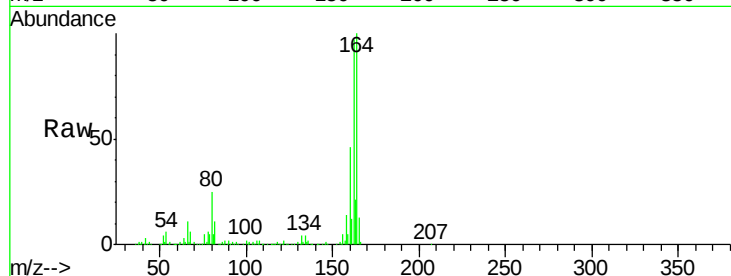
Tot Ion:164 Resp: 272944

Ion Ratio Lower Upper

164 100

162 96.7 79.3 118.9

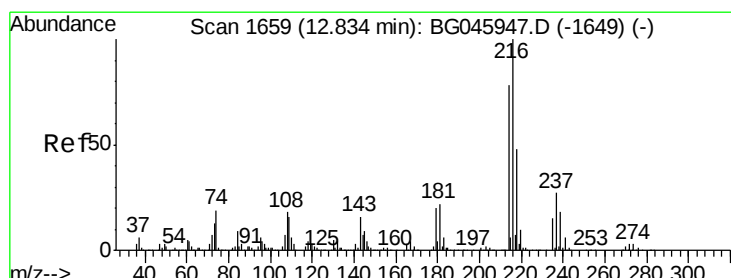
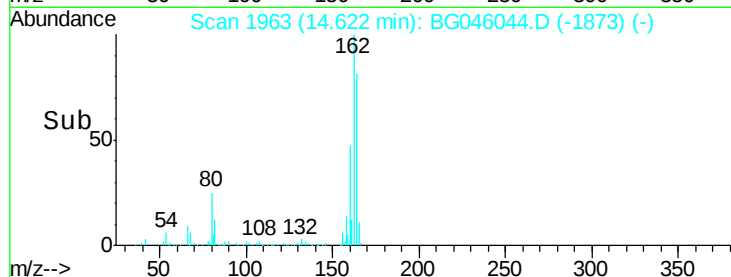
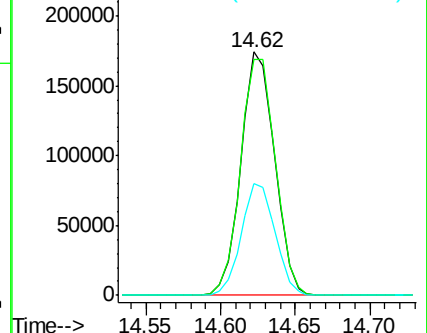
160 45.8 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.061 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Tgt Ion:216 Resp: 377483

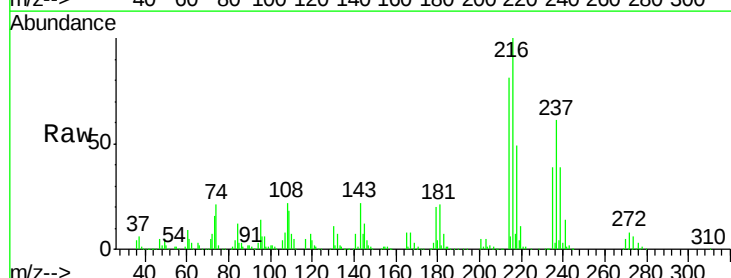
Ion Ratio Lower Upper

216 100

214 79.5 63.0 94.4

179 21.6 17.0 25.6

108 24.4 17.3 25.9

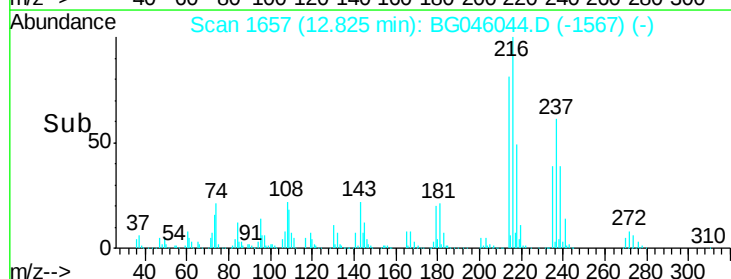
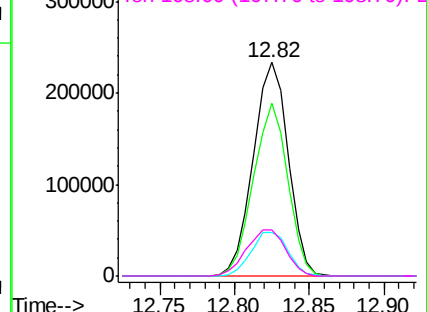


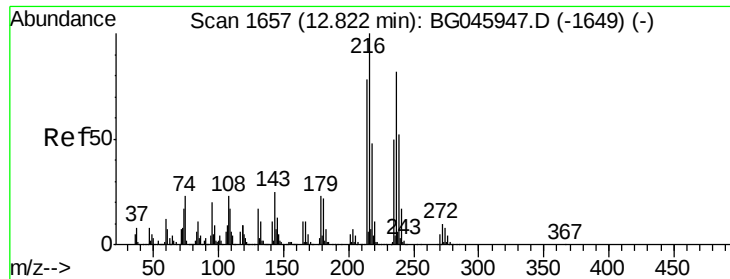
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

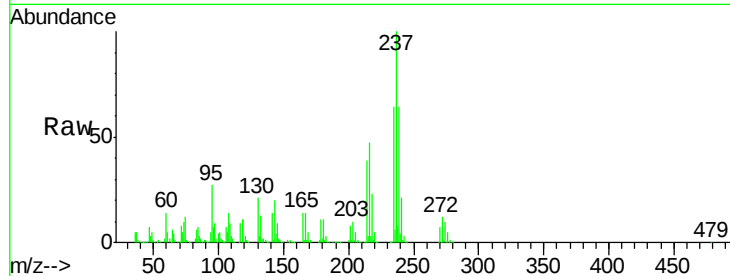




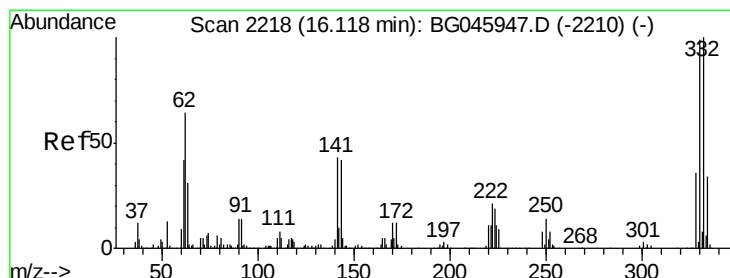
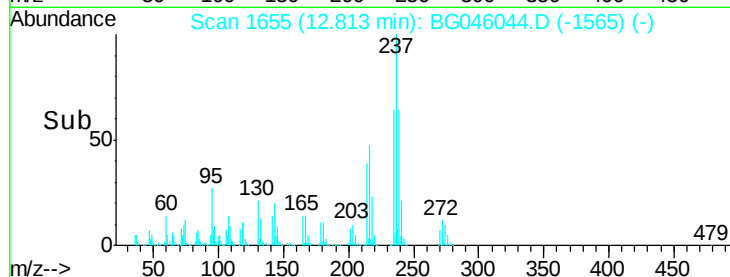
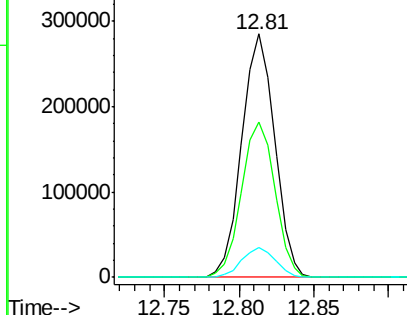
#41
Hexachlorocyclopentadiene
Concen: 95.495 ng
RT: 12.81 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion:237 Resp: 435974
Ion Ratio Lower Upper
237 100
235 63.7 41.5 81.5
272 12.5 0.0 31.7

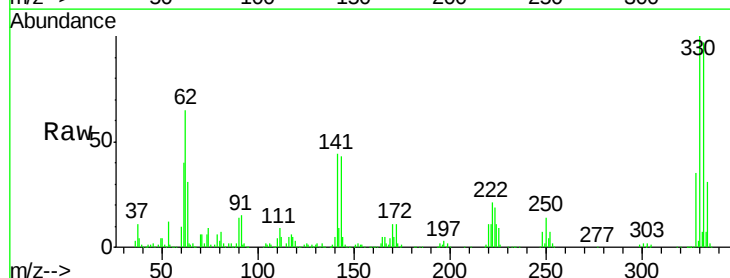


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

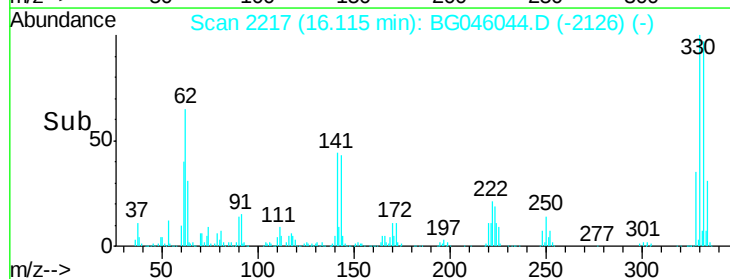
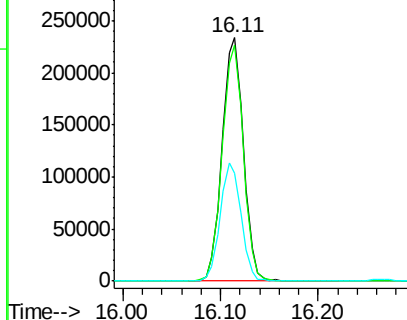


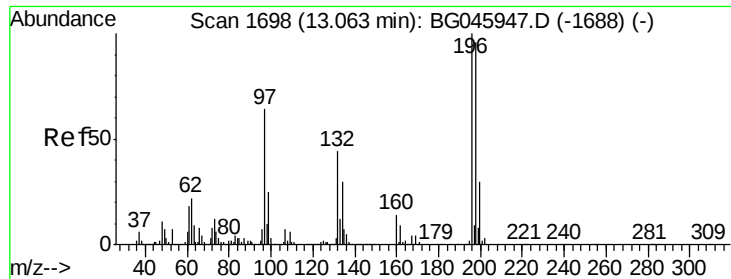
#42
2,4,6-Tribromophenol
Concen: 139.538 ng
RT: 16.11 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:330 Resp: 353478
Ion Ratio Lower Upper
330 100
332 96.2 78.3 117.5
141 47.6 36.6 54.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

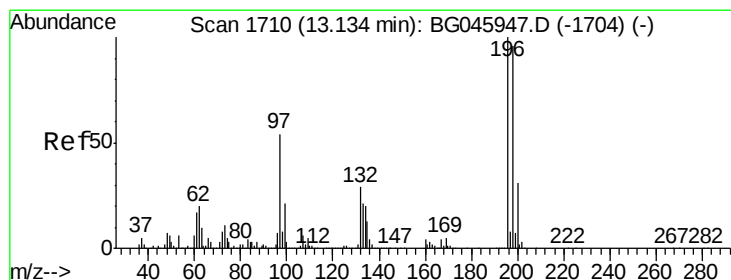
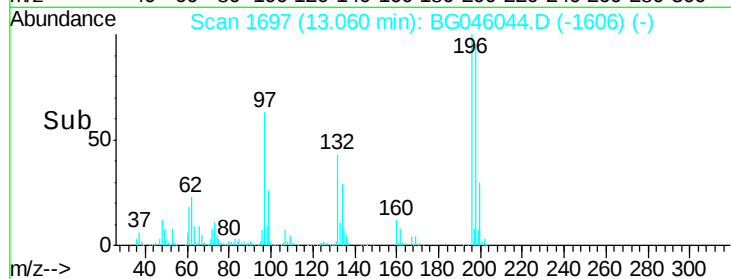
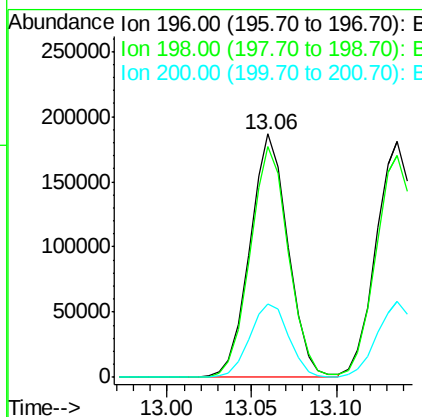
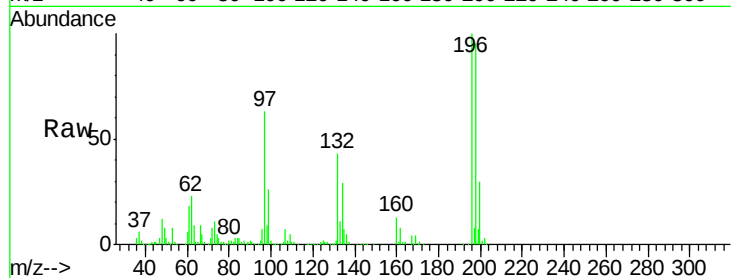




#43
 2,4,6-Trichlorophenol
 Concen: 56.011 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

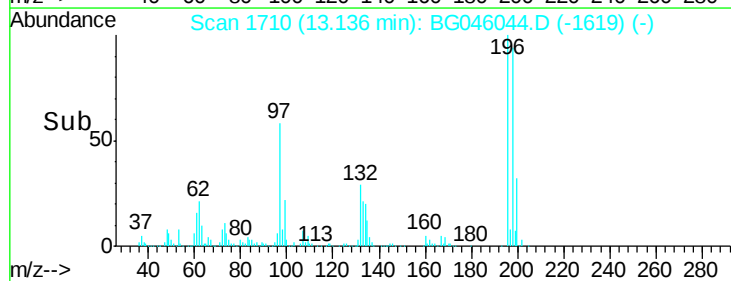
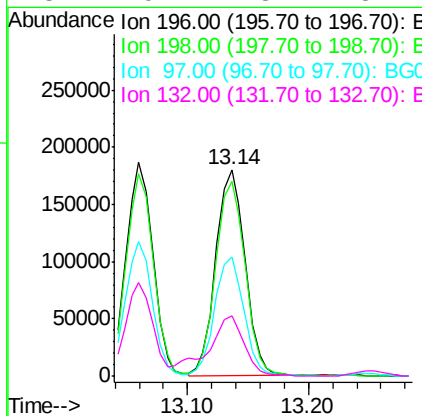
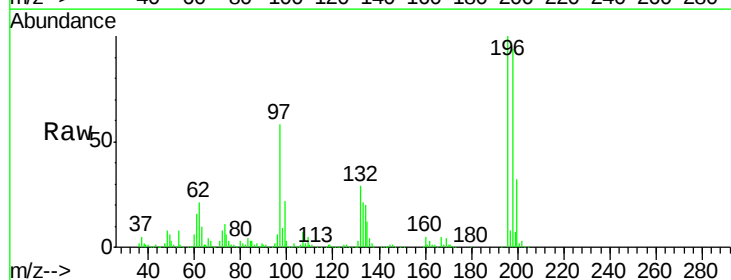
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

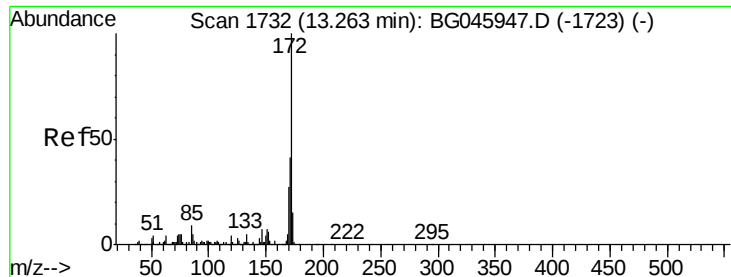
Tot Ion:196 Resp: 291453
 Ion Ratio Lower Upper
 196 100
 198 94.7 76.7 115.1
 200 30.4 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 51.352 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion:196 Resp: 302127
 Ion Ratio Lower Upper
 196 100
 198 94.4 77.0 115.6
 97 57.9 44.3 66.5
 132 29.1 23.1 34.7

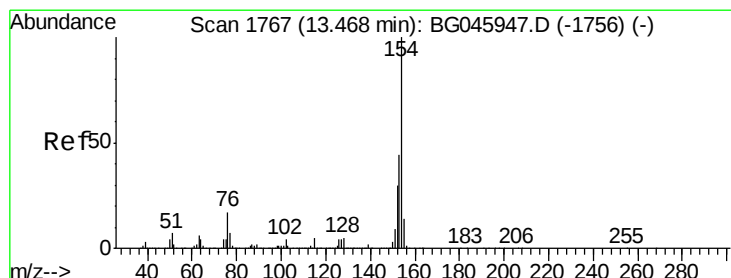
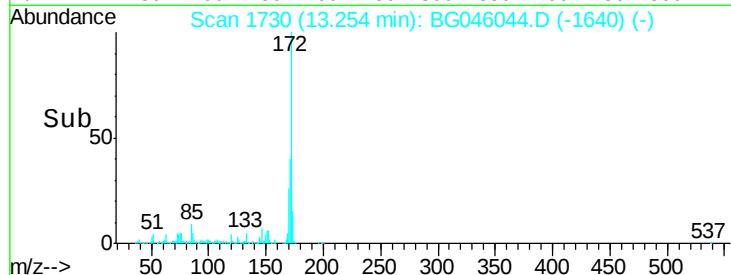
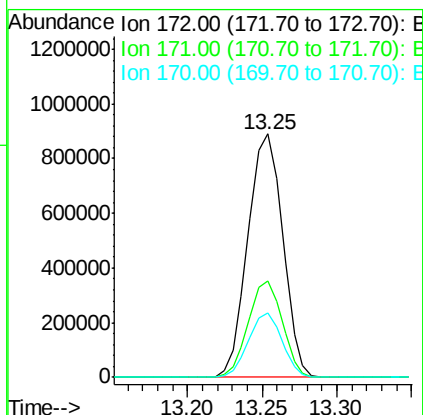
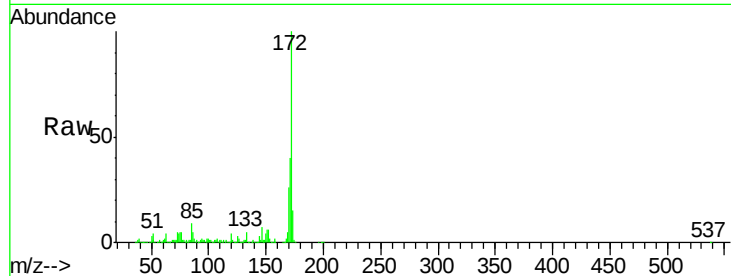




#45
2-Fluorobiphenyl
Concen: 82.285 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

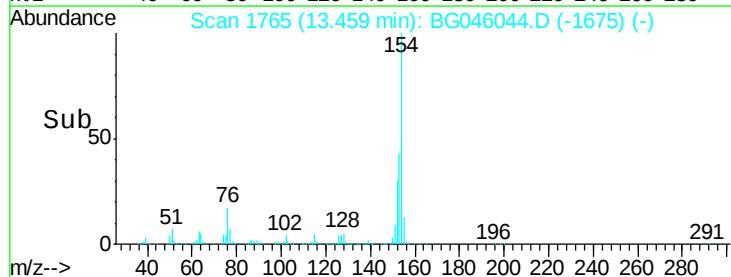
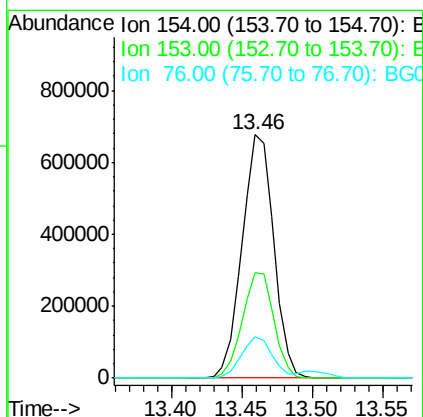
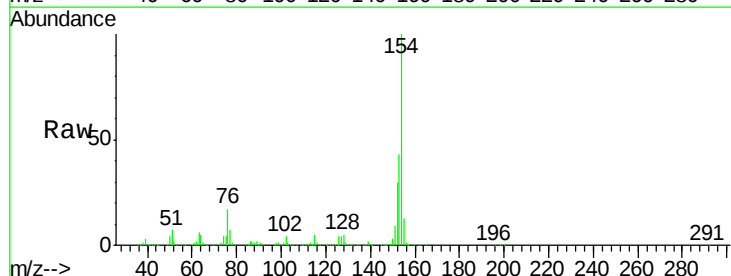
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

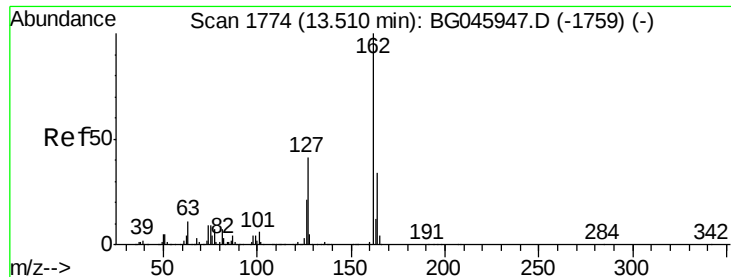
Tot Ion:172 Resp: 1439853
Ion Ratio Lower Upper
172 100
171 39.8 32.9 49.3
170 26.4 21.8 32.6



#46
1,1'-Biphenyl
Concen: 51.702 ng
RT: 13.46 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:154 Resp: 1061579
Ion Ratio Lower Upper
154 100
153 43.1 23.6 63.6
76 17.0 0.0 36.9





#47

2-Chloronaphthalene

Concen: 50.218 ng

RT: 13.50 min Scan# 1772

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

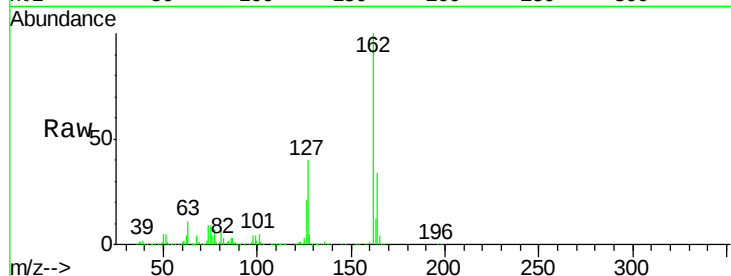
Tot Ion:162 Resp: 813545

Ion Ratio Lower Upper

162 100

127 40.2 32.5 48.7

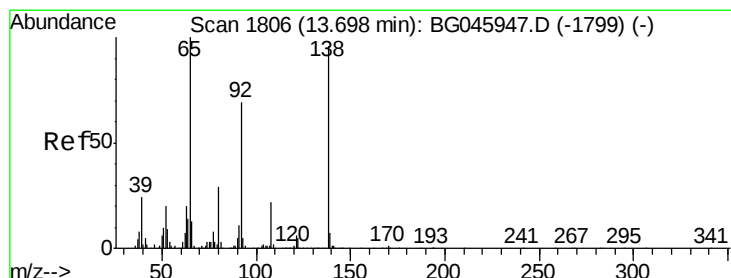
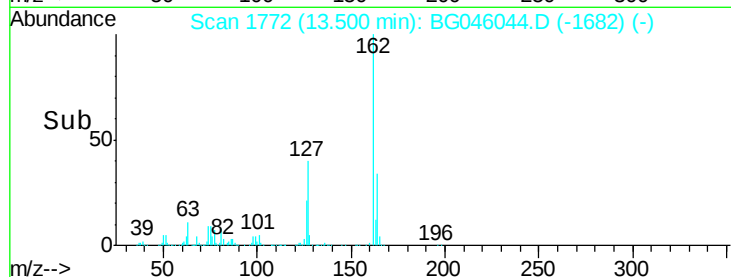
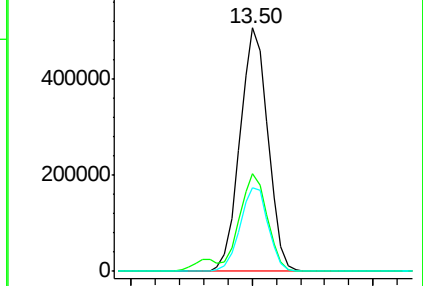
164 34.2 27.2 40.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 66.338 ng

RT: 13.69 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

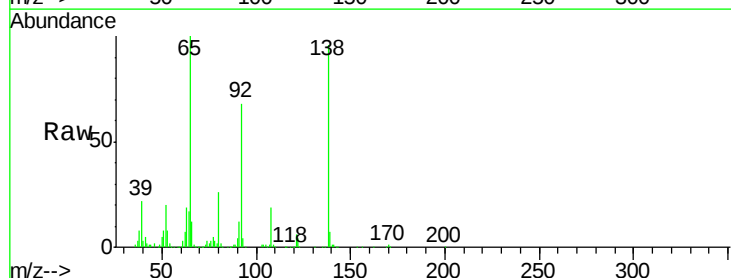
Tgt Ion: 65 Resp: 307570

Ion Ratio Lower Upper

65 100

92 68.1 55.4 83.0

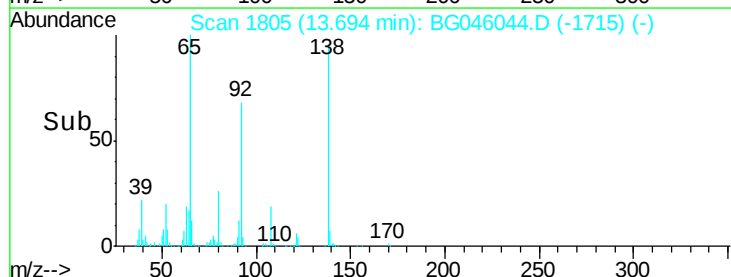
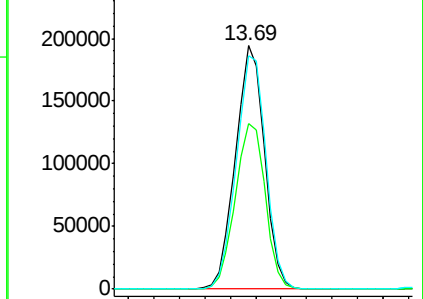
138 95.8 77.0 115.4

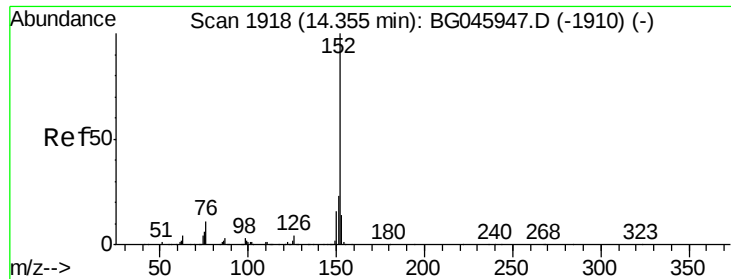


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 50.555 ng

RT: 14.35 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

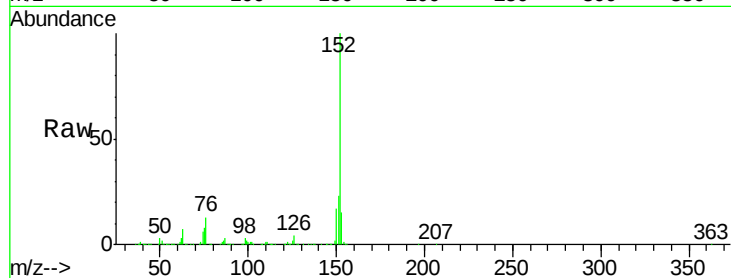
Tot Ion:152 Resp: 1321410

Ion Ratio Lower Upper

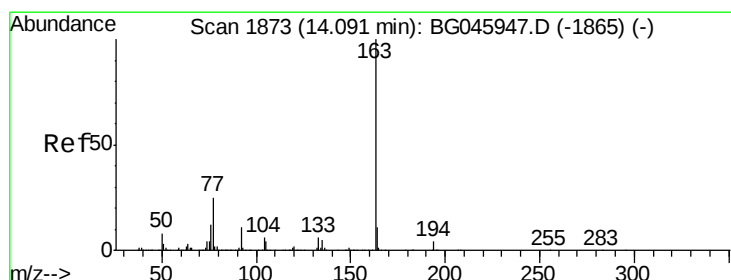
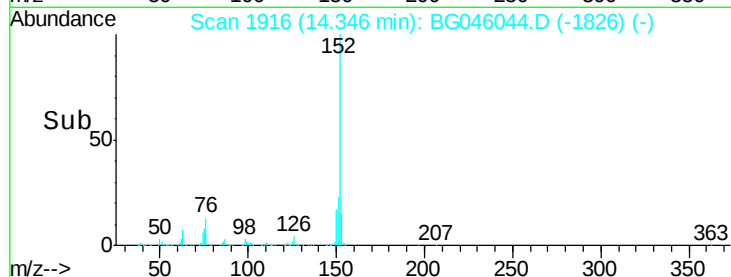
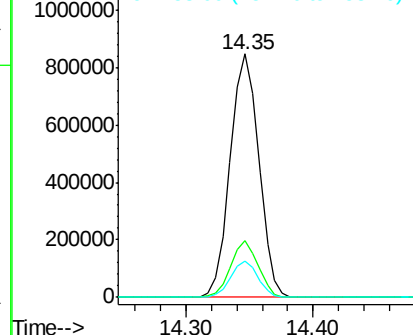
152 100

151 23.1 18.1 27.1

153 14.7 11.5 17.3



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



#50

Dimethylphthalate

Concen: 52.369 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

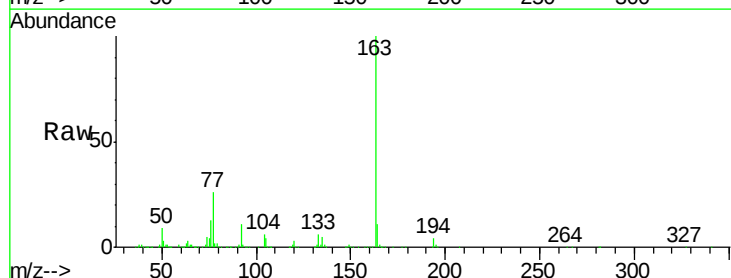
Tgt Ion:163 Resp: 1072712

Ion Ratio Lower Upper

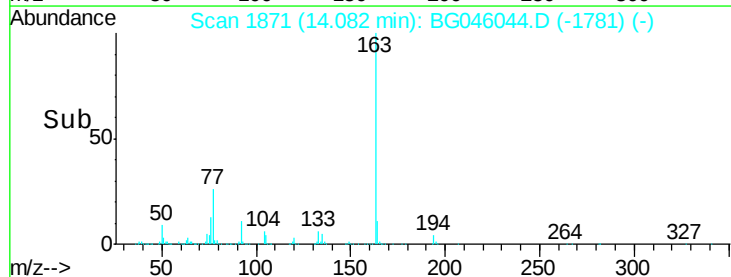
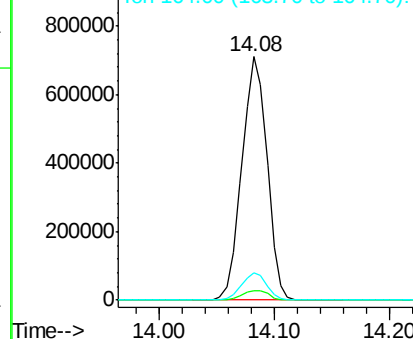
163 100

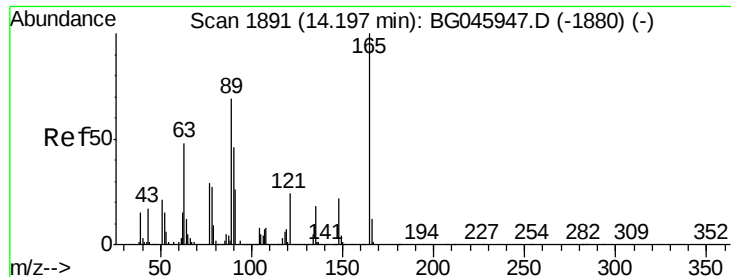
194 4.1 3.6 5.4

164 11.0 8.9 13.3



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

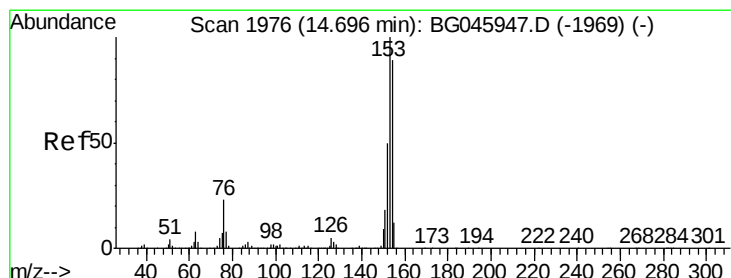
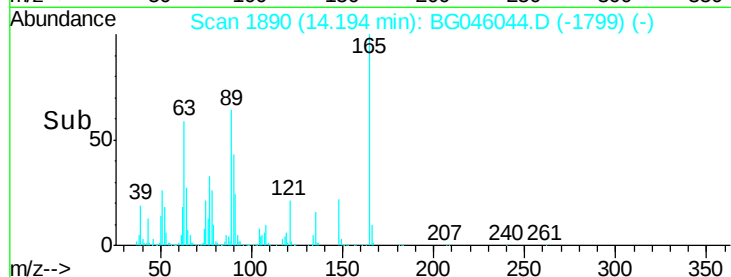
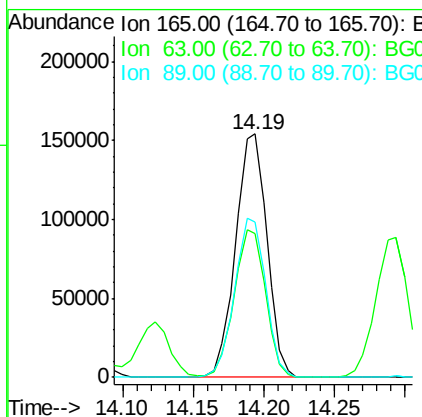
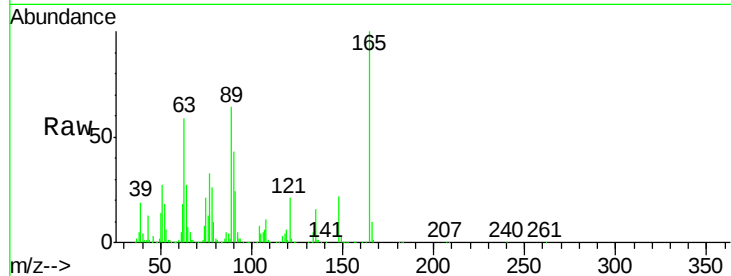




#51
2,6-Dinitrotoluene
Concen: 64.058 ng
RT: 14.19 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

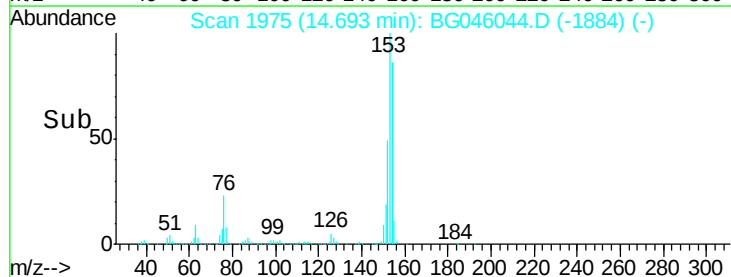
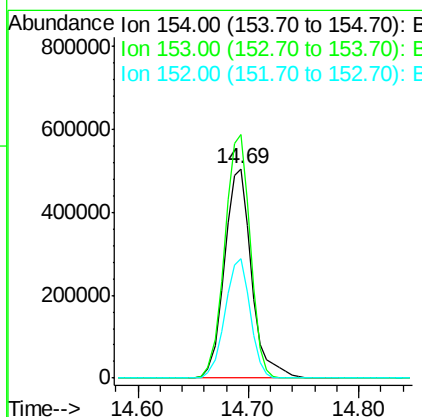
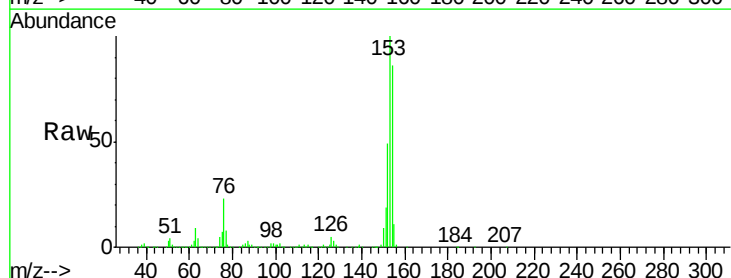
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

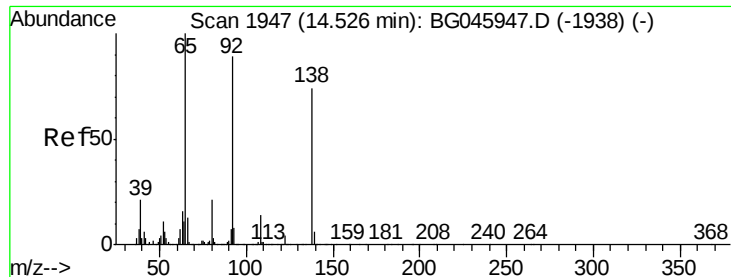
Tot Ion	Ratio	Lower	Upper
165	100		
63	59.3	51.0	76.4
89	63.8	55.7	83.5



#52
Acenaphthene
Concen: 52.568 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.7	134.5
152	56.9	44.7	67.1





#53

3-Nitroaniline

Concen: 21.675 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

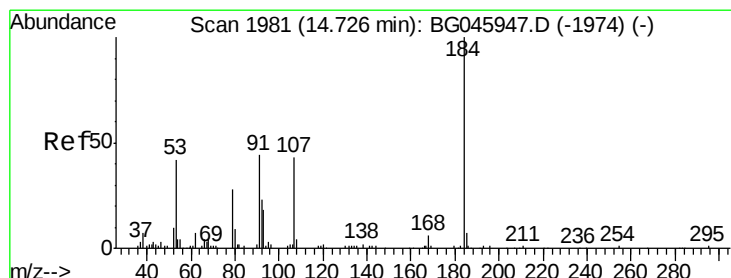
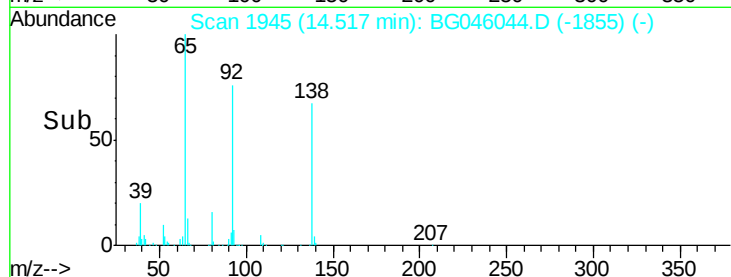
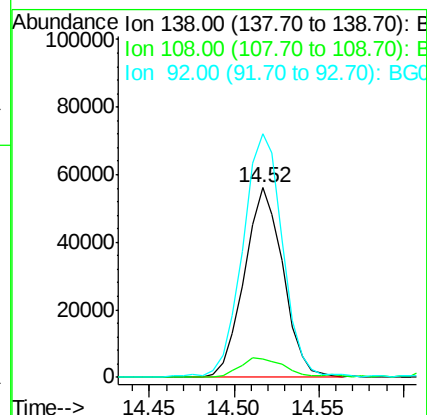
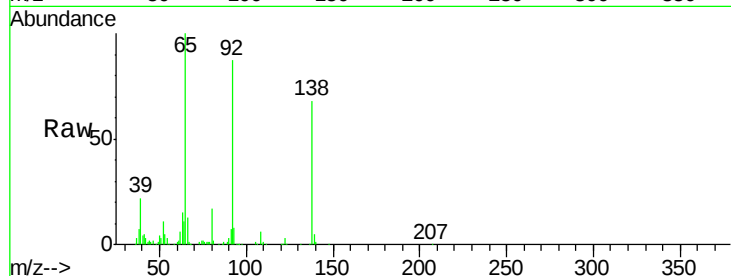
Tot Ion:138 Resp: 89597

Ion Ratio Lower Upper

138 100

108 9.6 15.4 23.2#

92 128.3 95.9 143.9



#54

2,4-Dinitrophenol

Concen: 63.721 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

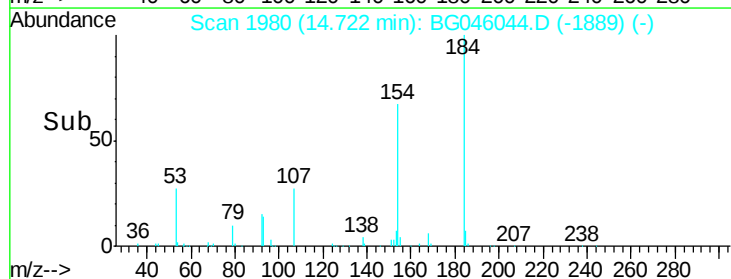
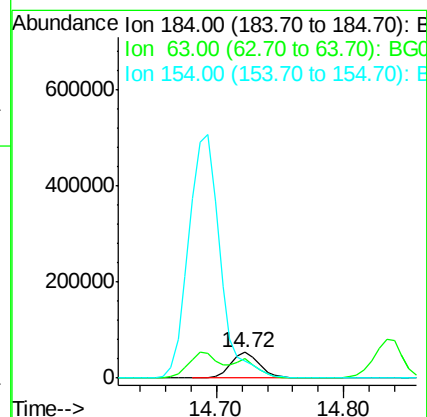
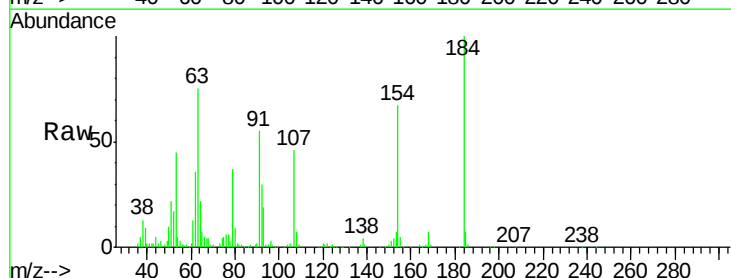
Tgt Ion:184 Resp: 85490

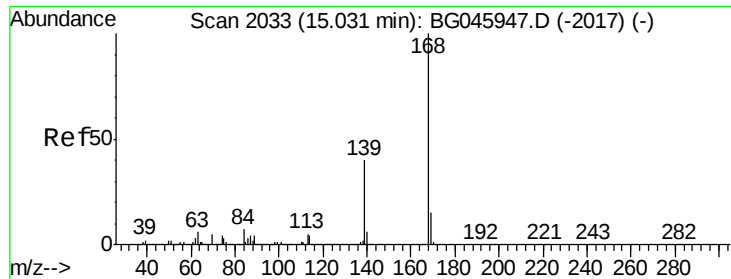
Ion Ratio Lower Upper

184 100

63 74.7 46.0 69.0#

154 66.6 58.2 87.2

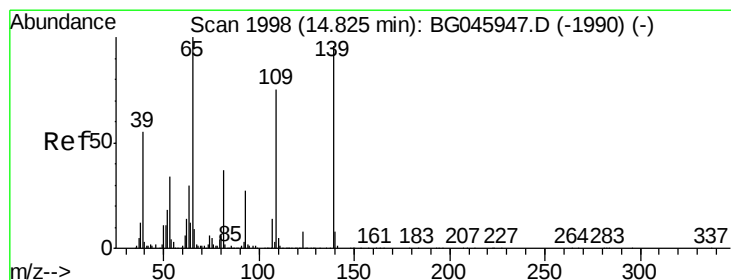
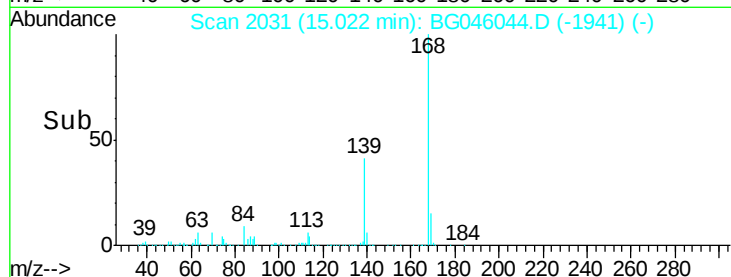
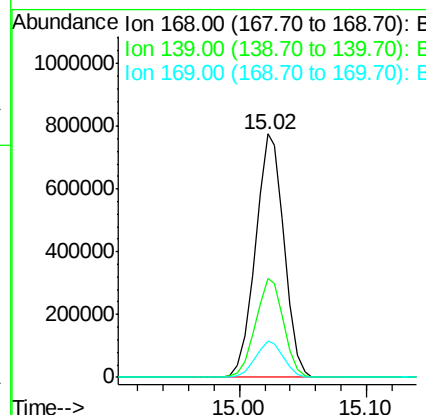
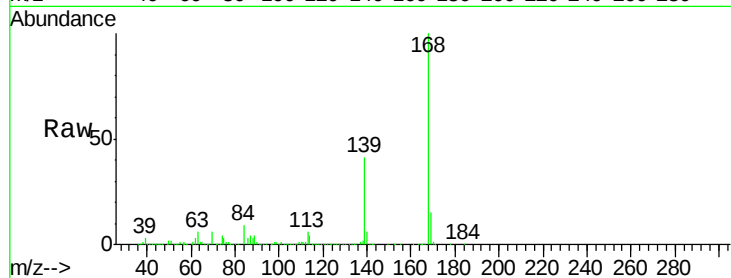




#55
Dibenzofuran
Concen: 50.234 ng
RT: 15.02 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

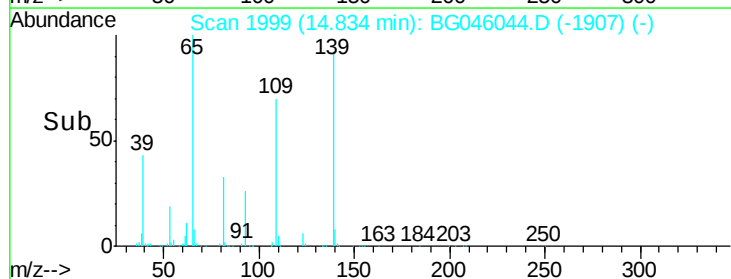
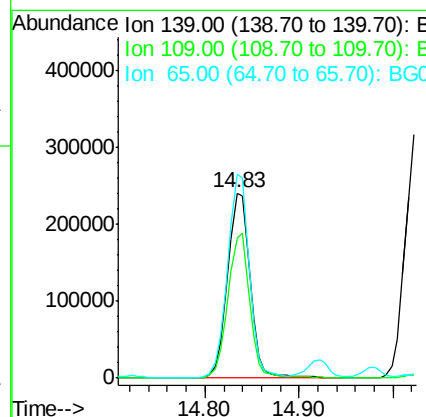
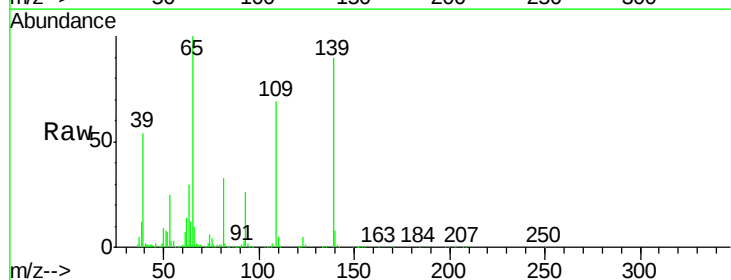
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

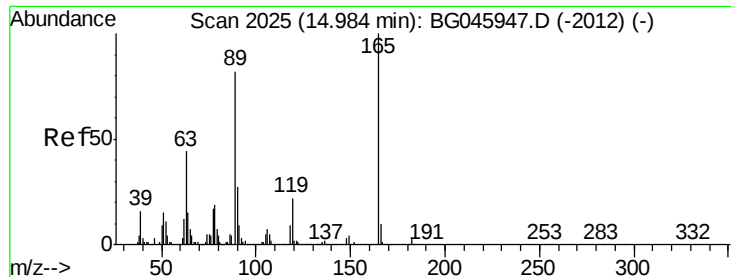
Tot Ion:168 Resp: 1214015
Ion Ratio Lower Upper
168 100
139 40.8 32.2 48.2
169 14.7 11.8 17.8



#56
4-Nitrophenol
Concen: 121.813 ng
RT: 14.83 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:139 Resp: 406518
Ion Ratio Lower Upper
139 100
109 76.1 58.5 98.5
65 110.6 84.7 124.7

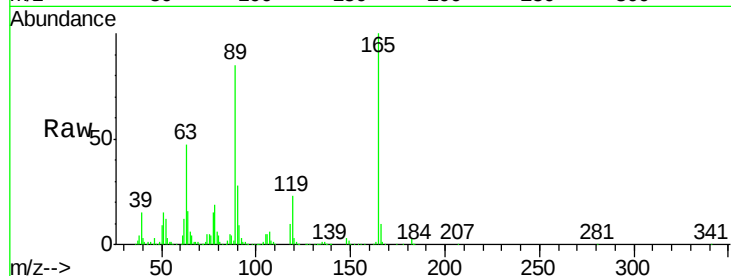




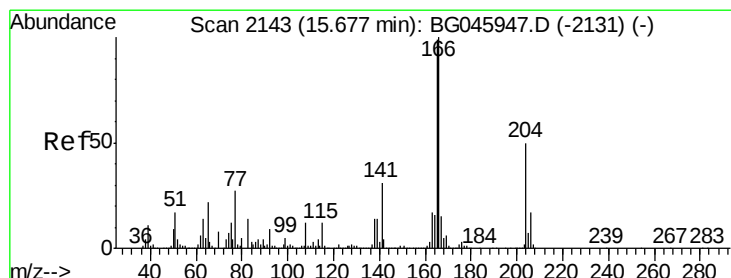
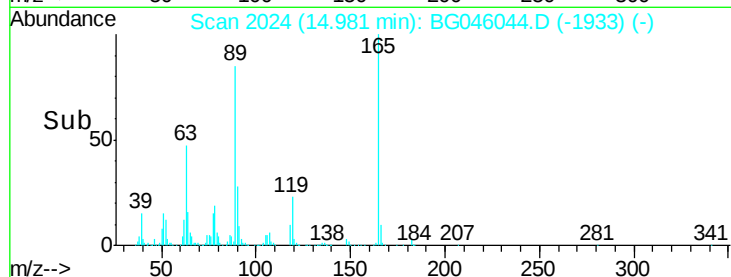
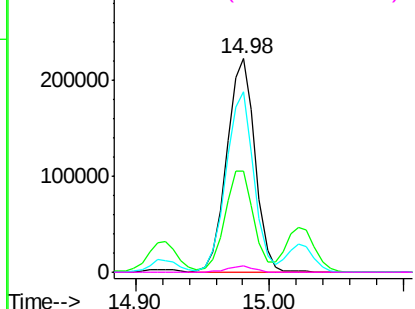
#57
 2,4-Dinitrotoluene
 Concen: 68.071 ng
 RT: 14.98 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

Tot Ion:165 Resp: 328548
 Ion Ratio Lower Upper
 165 100
 63 47.1 35.4 53.0
 89 84.7 65.4 98.2
 182 2.8 2.0 3.0

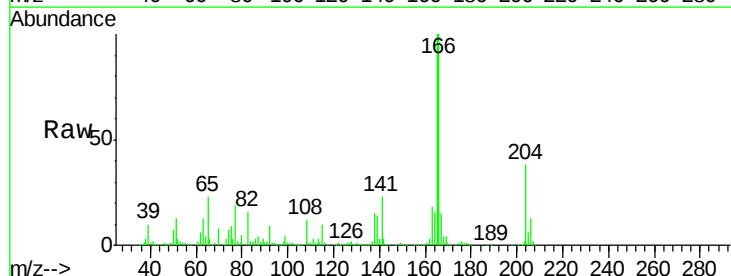


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

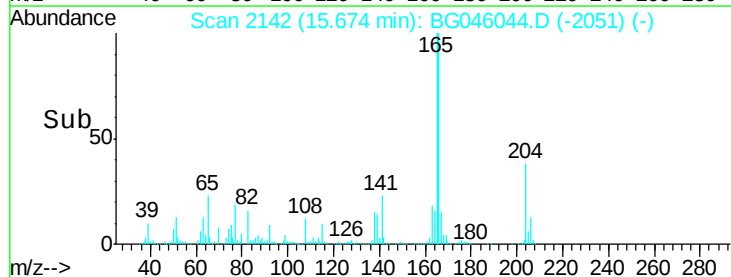
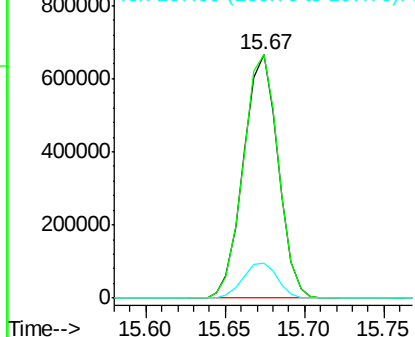


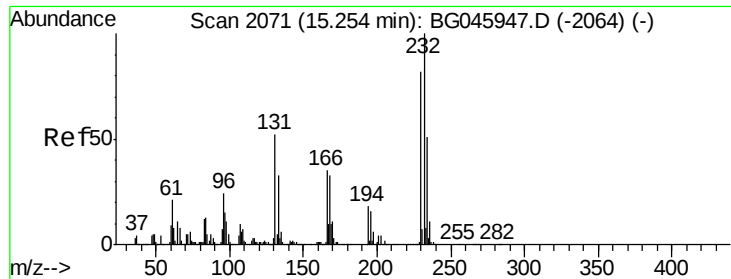
#58
 Fluorene
 Concen: 51.086 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion:166 Resp: 1012802
 Ion Ratio Lower Upper
 166 100
 165 99.8 78.9 118.3
 167 14.6 12.1 18.1



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

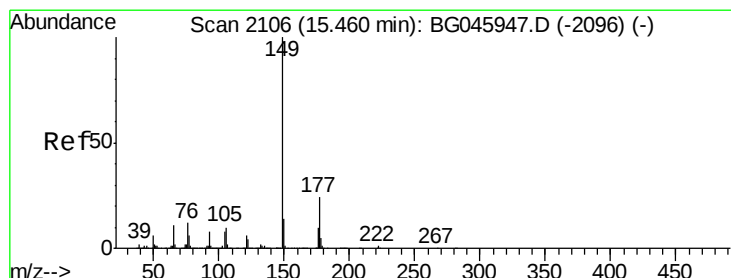
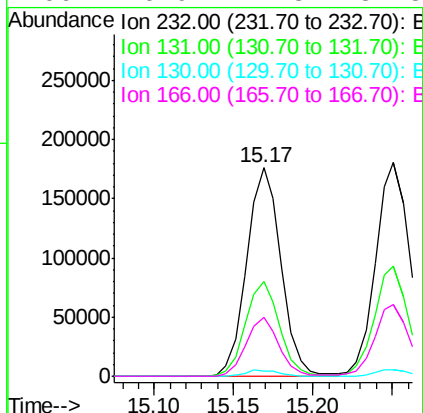
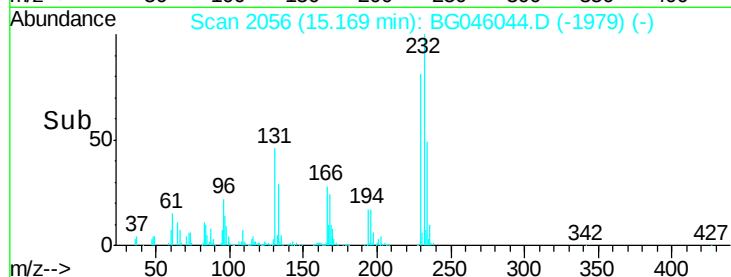
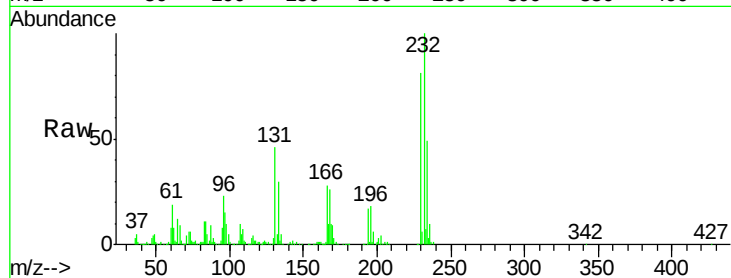




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 58.277 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. -0.08 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

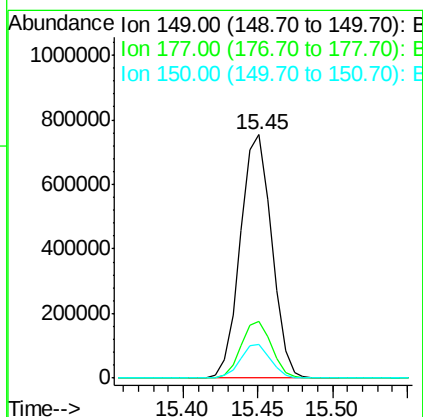
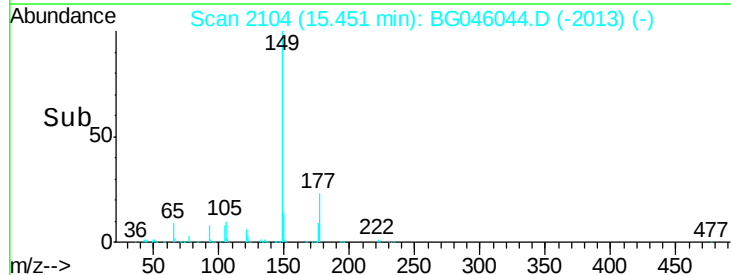
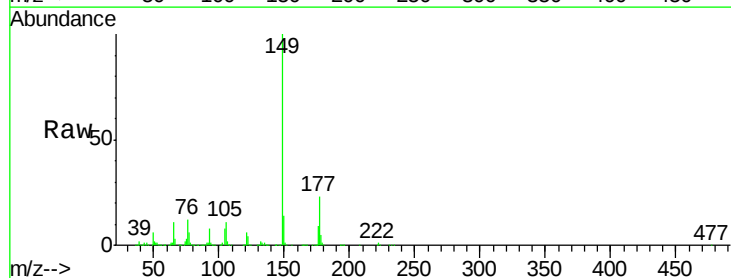
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

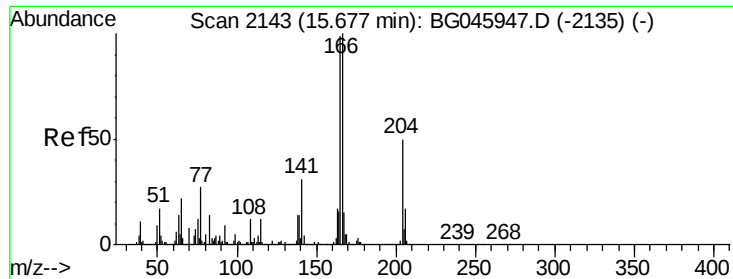
Tot Ion:	232	Resp:	264722
Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.8	53.6
130	2.9	2.5	3.7
166	26.9	21.8	32.8



#60
 Diethylphthalate
 Concen: 51.063 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion:	149	Resp:	1096938
Ion	Ratio	Lower	Upper
149	100		
177	23.3	19.0	28.4
150	13.9	11.0	16.4

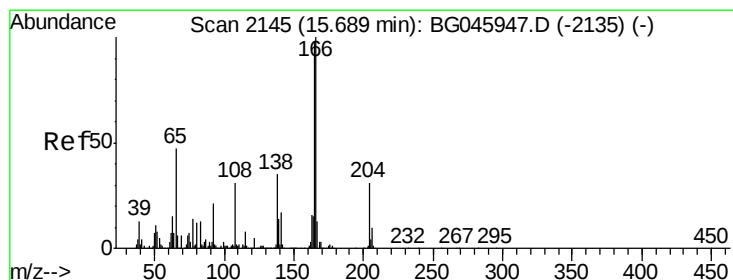
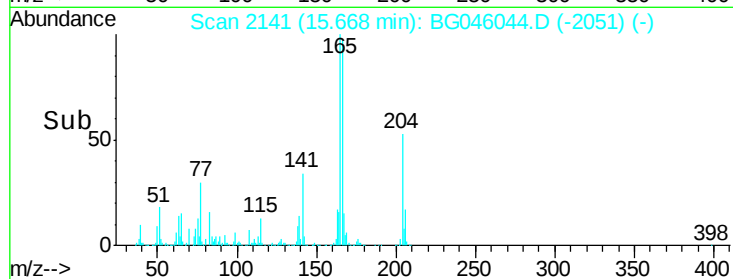
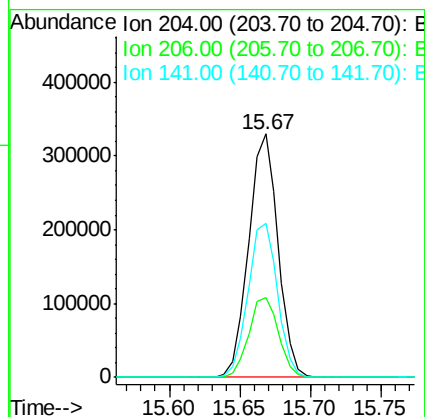
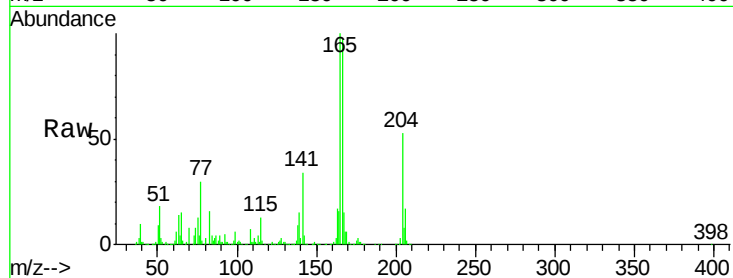




#61
4-Chlorophenyl-phenylether
Concen: 48.717 ng
RT: 15.67 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

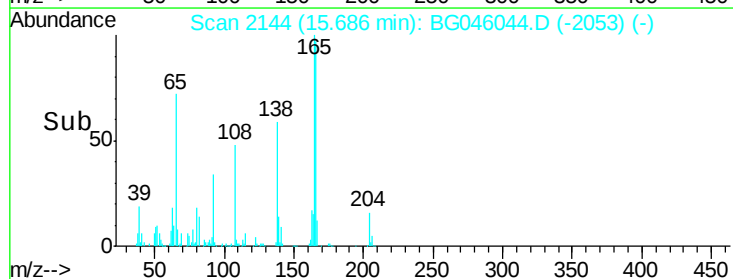
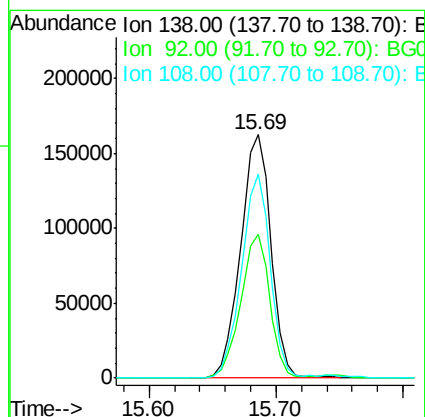
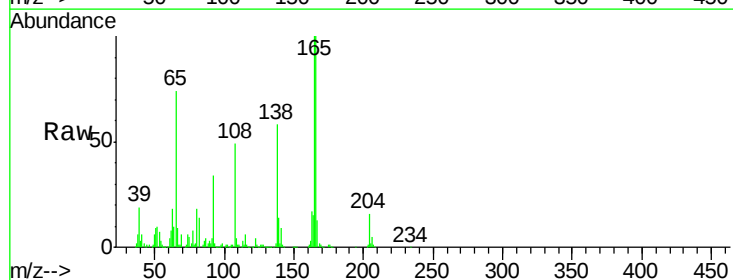
Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

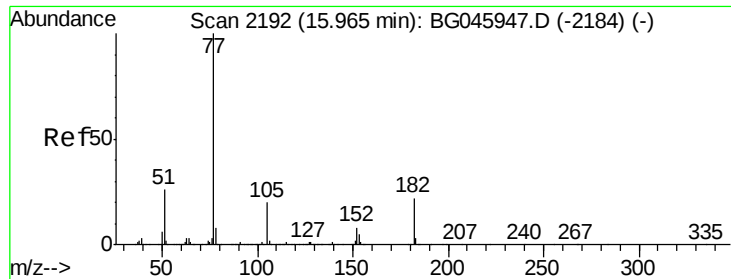
Tot Ion:204 Resp: 480507
Ion Ratio Lower Upper
204 100
206 32.6 27.1 40.7
141 63.1 49.8 74.8



#62
4-Nitroaniline
Concen: 63.722 ng
RT: 15.69 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:138 Resp: 269774
Ion Ratio Lower Upper
138 100
92 59.0 40.3 80.3
108 83.9 68.0 108.0

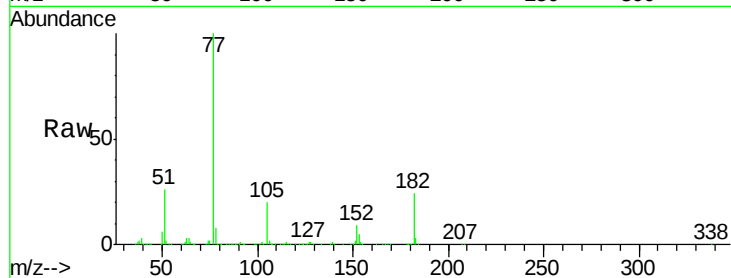




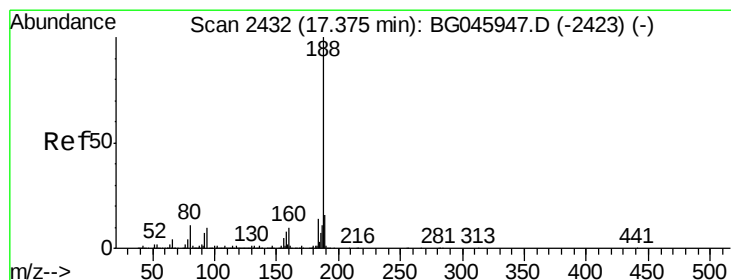
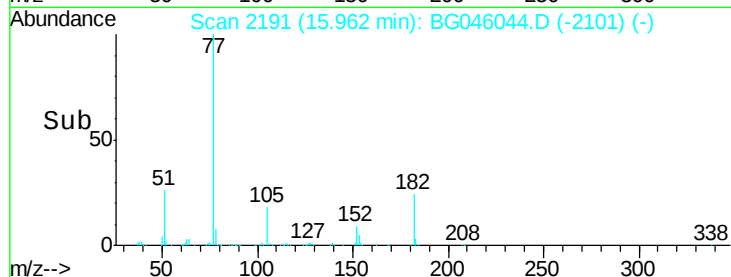
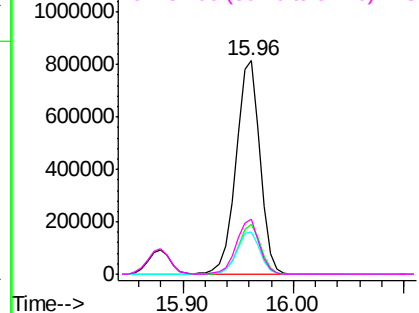
#63
Azobenzene
Concen: 53.453 ng
RT: 15.96 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion:	77	Resp:	1232435
Ion	Ratio	Lower	Upper
77	100		
182	23.6	2.4	42.4
105	20.0	0.3	40.3
51	25.9	6.3	46.3

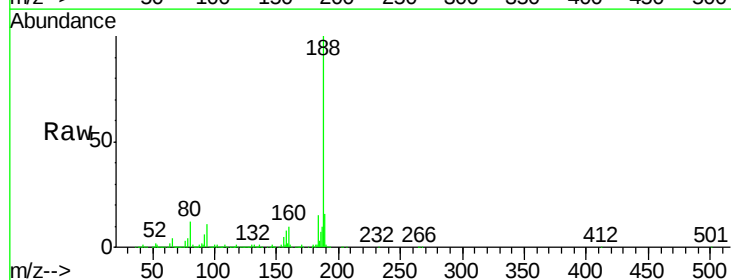


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

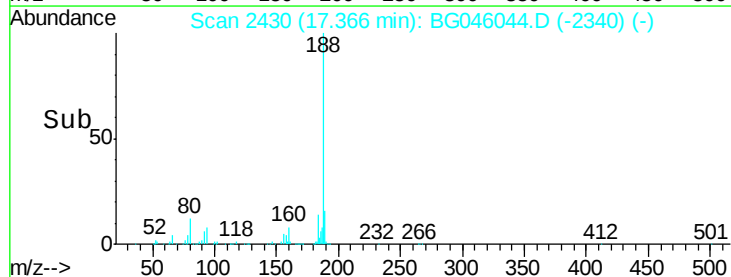
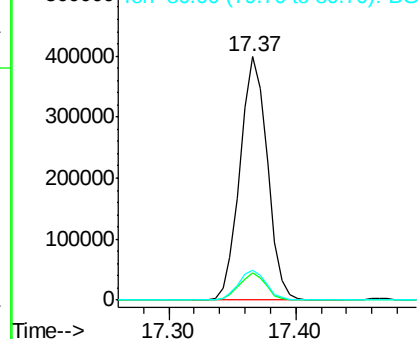


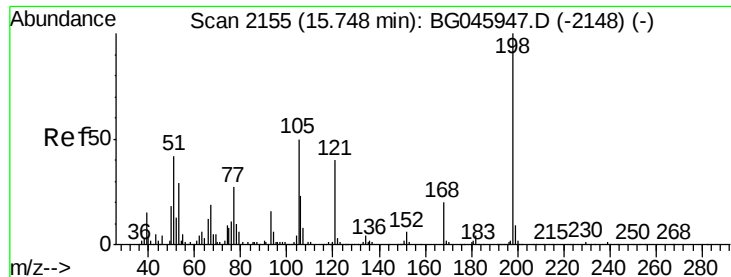
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:	188	Resp:	593228
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.2	12.4
80	12.5	9.0	13.6



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





#65

4,6-Dinitro-2-methylphenol

Concen: 50.352 ng

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

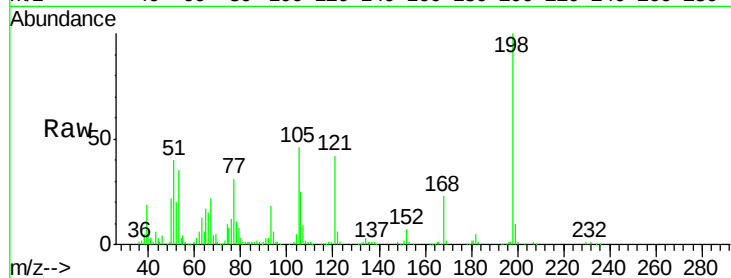
Tot Ion:198 Resp: 103641

Ion	Ratio	Lower	Upper
198	100		
51	40.3	24.5	64.5
105	45.5	30.9	70.9

198 100

51 40.3 24.5 64.5

105 45.5 30.9 70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

150000

100000

50000

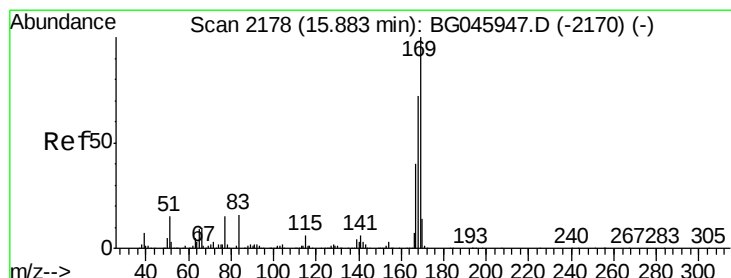
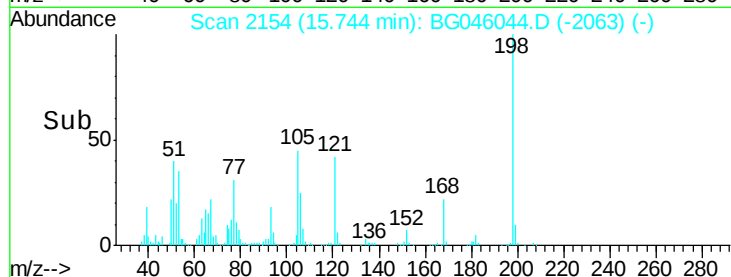
0

15.74

15.70

15.80

Time-->



#66

n-Nitrosodiphenylamine

Concen: 50.287 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

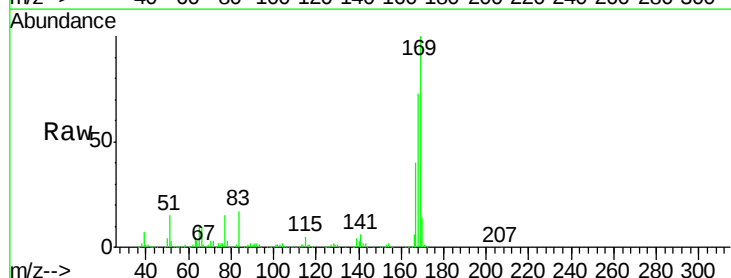
Tgt Ion:169 Resp: 924428

Ion	Ratio	Lower	Upper
169	100		
168	73.3	57.3	85.9
167	40.4	32.1	48.1

169 100

168 73.3 57.3 85.9

167 40.4 32.1 48.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

800000

600000

400000

200000

0

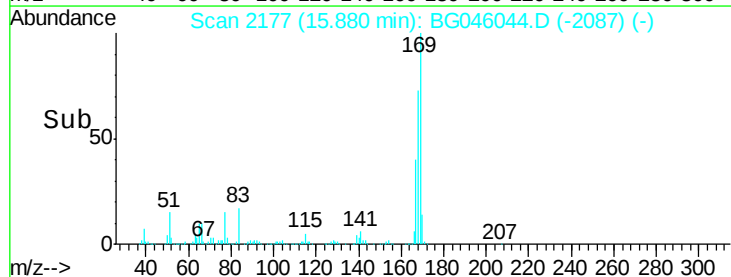
15.88

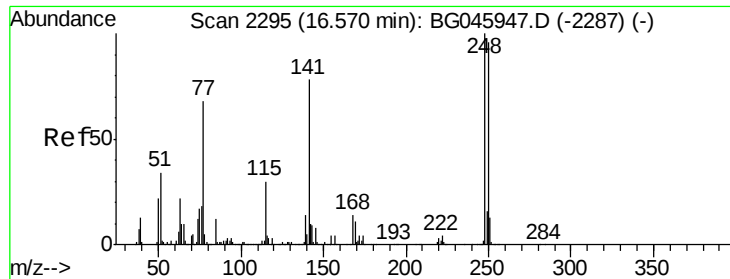
15.80

15.90

16.00

Time-->

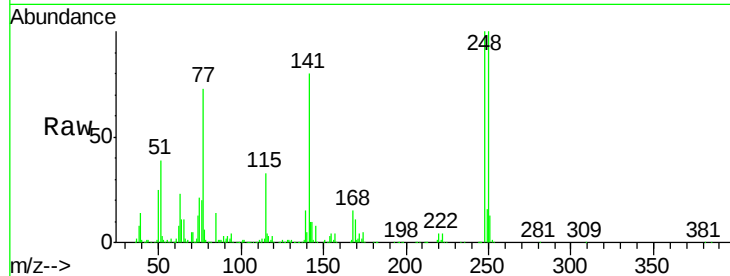




#67
4-Bromophenyl-phenylether
Concen: 47.602 ng
RT: 16.56 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.7	76.6	114.8
141	80.0	62.7	94.1

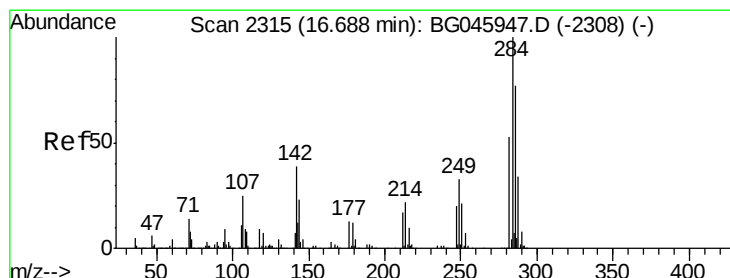
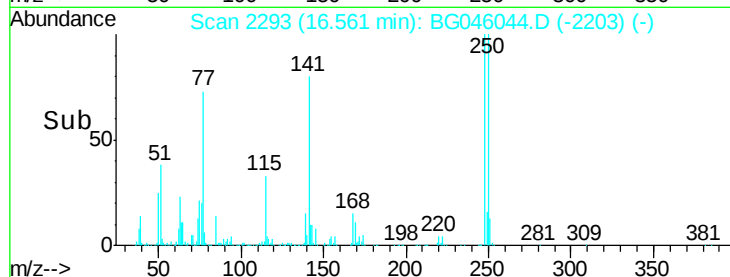
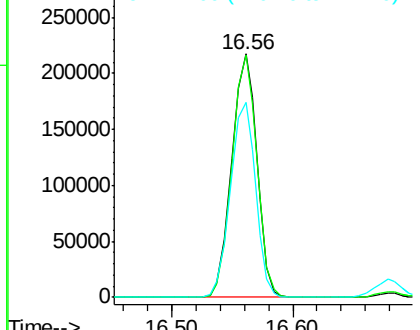


Abundance

Ion 248.00 (247.70 to 248.70): E

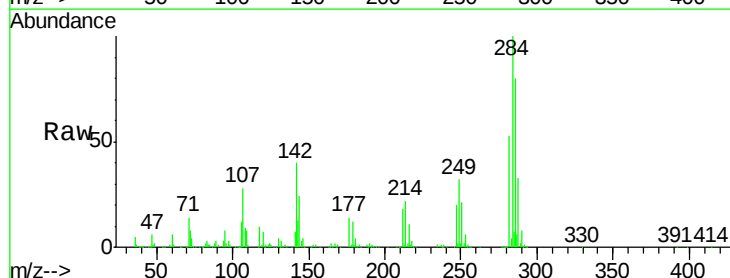
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 49.995 ng
RT: 16.68 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.3	31.3	46.9
249	32.0	26.8	40.2

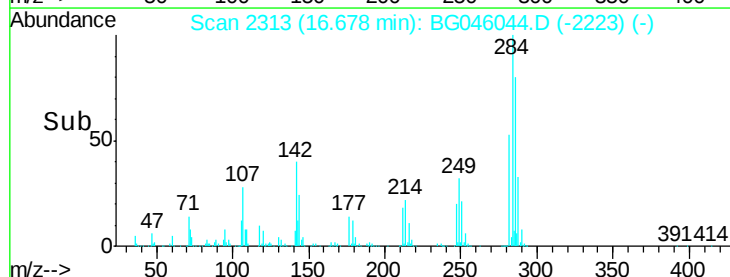
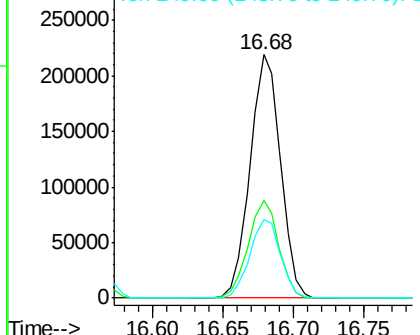


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

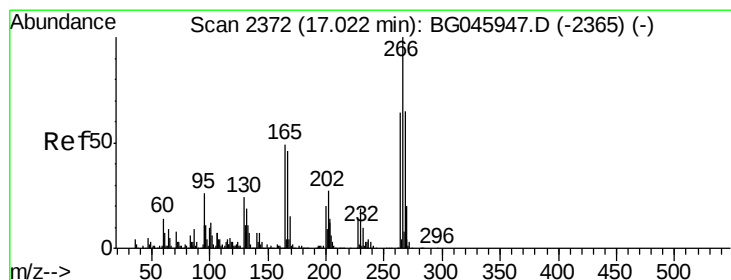
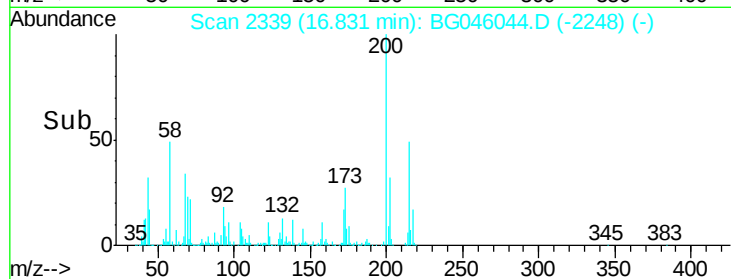
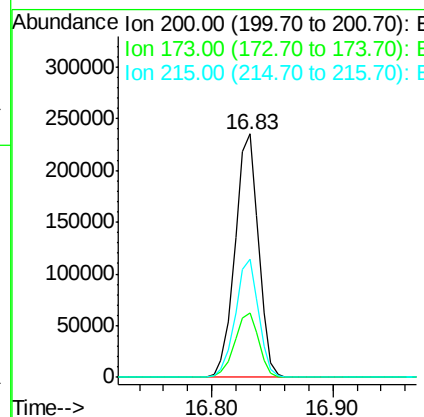
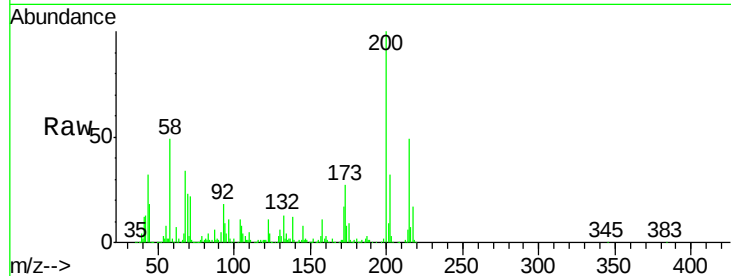




#69
 Atrazine
 Concen: 58.400 ng
 RT: 16.83 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

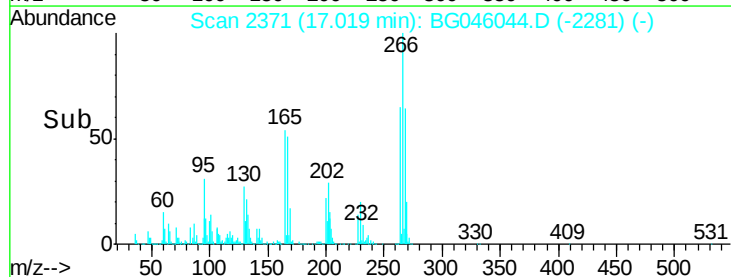
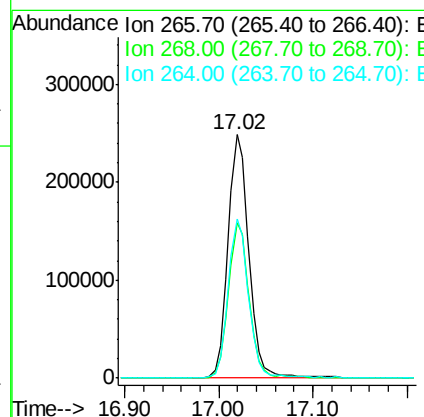
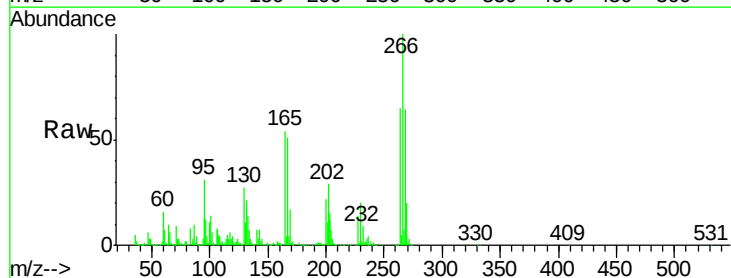
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

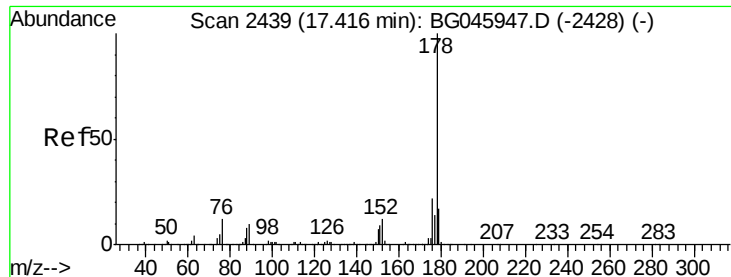
Tot Ion:200 Resp: 317411
 Ion Ratio Lower Upper
 200 100
 173 26.5 9.1 49.1
 215 48.8 28.8 68.8



#70
 Pentachlorophenol
 Concen: 104.369 ng
 RT: 17.02 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion:266 Resp: 385800
 Ion Ratio Lower Upper
 266 100
 268 63.8 51.8 77.8
 264 65.3 51.4 77.0

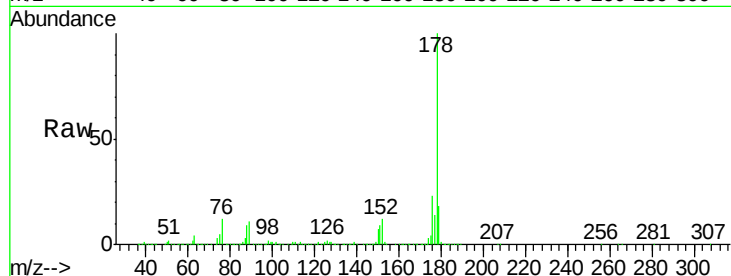




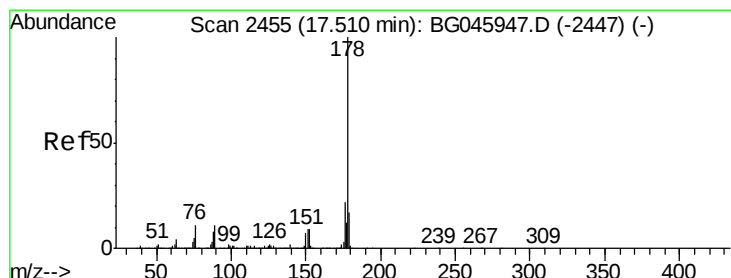
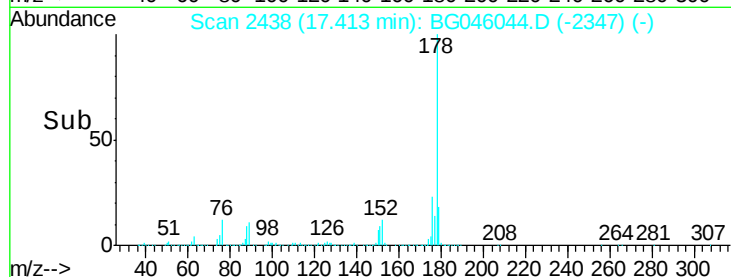
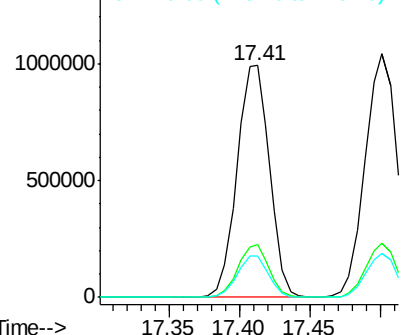
#71
Phenanthrene
Concen: 51.170 ng
RT: 17.41 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion:178 Resp: 1604825
Ion Ratio Lower Upper
178 100
176 22.9 17.4 26.2
179 17.6 13.4 20.2

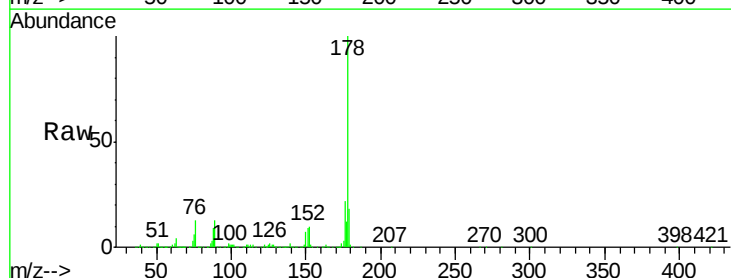


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

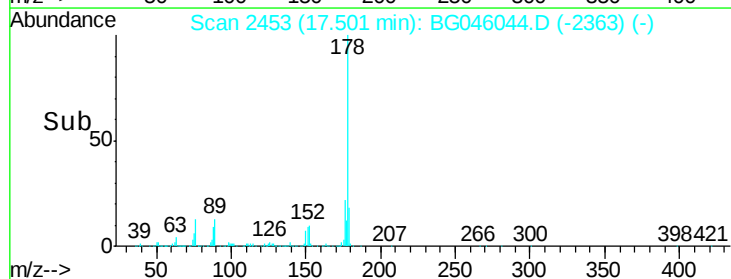
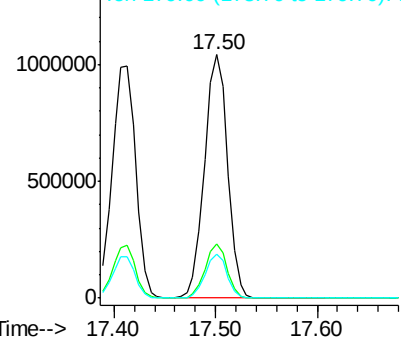


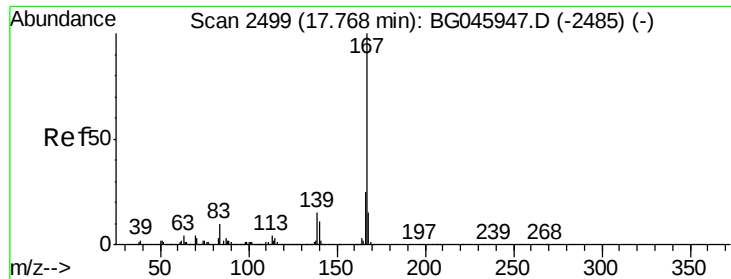
#72
Anthracene
Concen: 51.760 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:178 Resp: 1647383
Ion Ratio Lower Upper
178 100
176 22.1 17.2 25.8
179 18.2 14.0 21.0



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

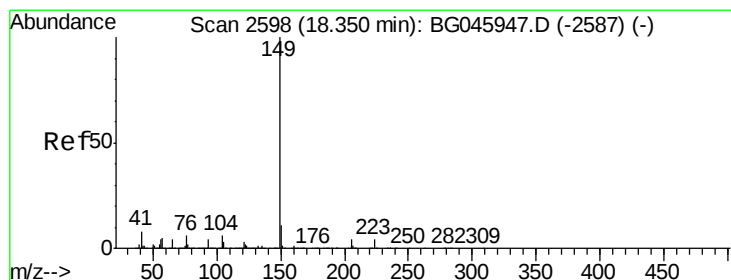
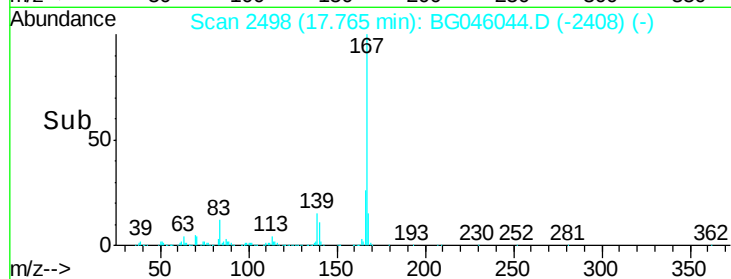
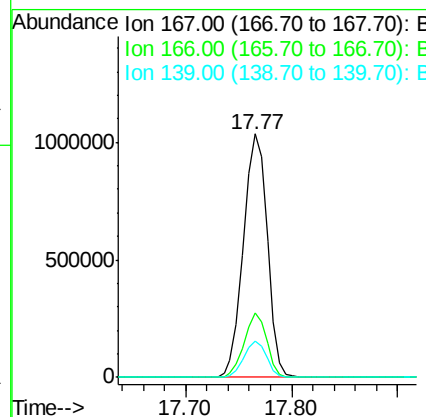
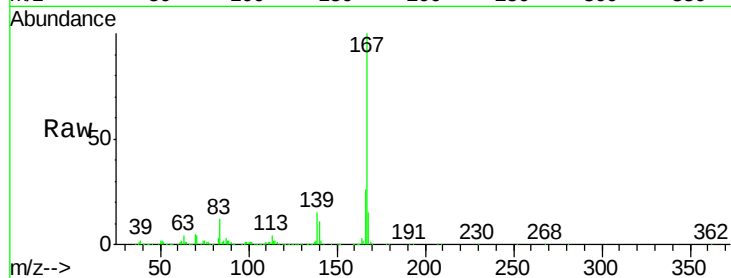




#73
 Carbazole
 Concen: 50.830 ng
 RT: 17.77 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

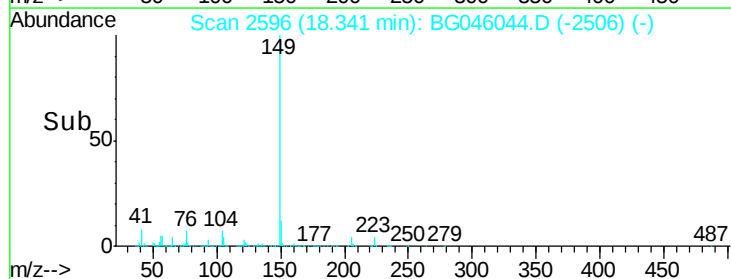
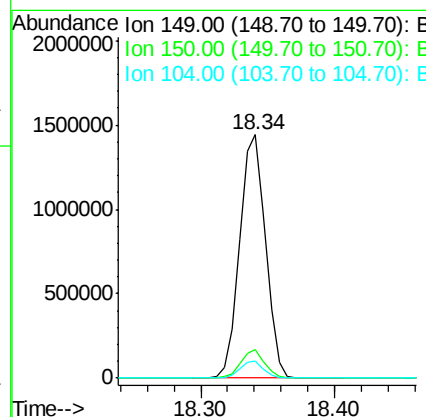
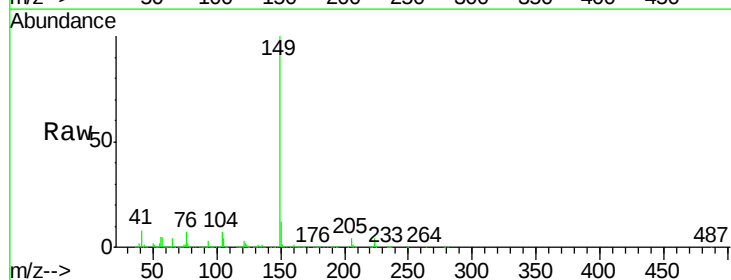
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920MSD

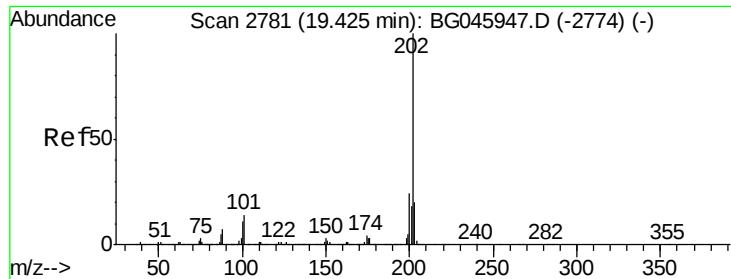
Tot Ion:167 Resp: 1621603
 Ion Ratio Lower Upper
 167 100
 166 26.3 20.4 30.6
 139 14.9 11.8 17.8



#74
 Di-n-butylphthalate
 Concen: 50.245 ng
 RT: 18.34 min Scan# 2596
 Delta R.T. -0.00 min
 Lab File: BG046044.D
 Acq: 14 Jul 2020 22:30

Tgt Ion:149 Resp: 1936992
 Ion Ratio Lower Upper
 149 100
 150 11.5 9.0 13.4
 104 6.8 5.2 7.8





#75

Fluoranthene

Concen: 53.486 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

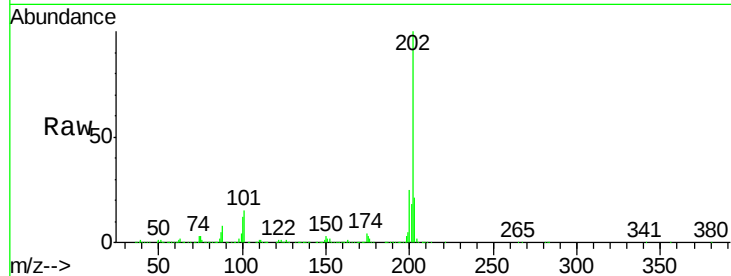
Tot Ion:202 Resp: 1939153

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.8

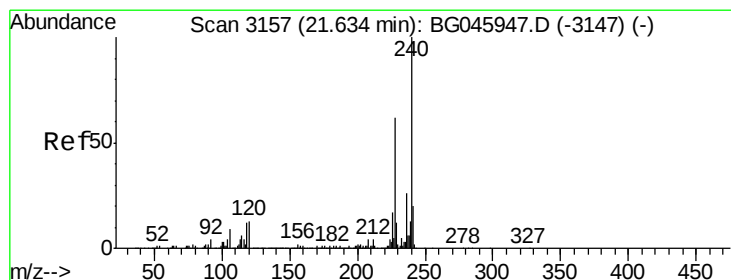
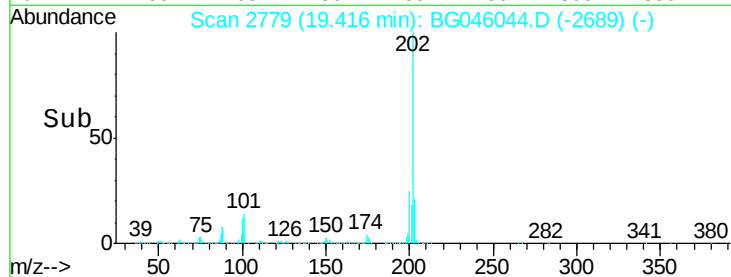
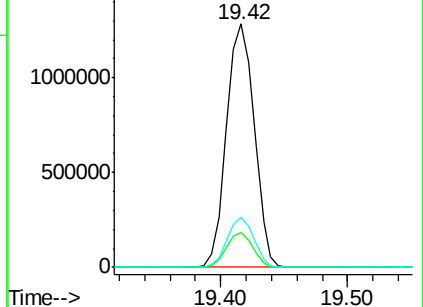
203 20.8 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

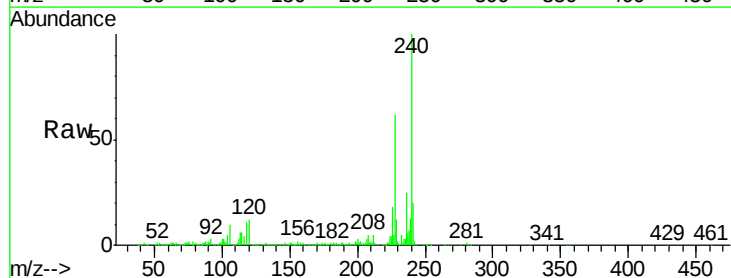
Tgt Ion:240 Resp: 536607

Ion Ratio Lower Upper

240 100

120 12.3 10.6 16.0

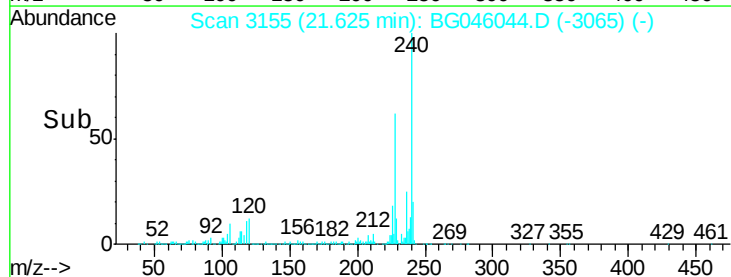
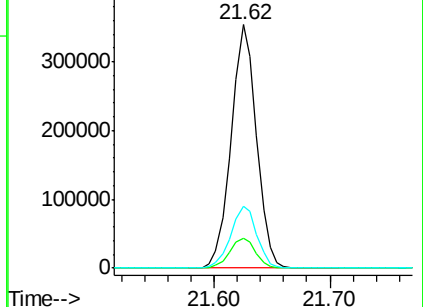
236 25.4 20.4 30.6

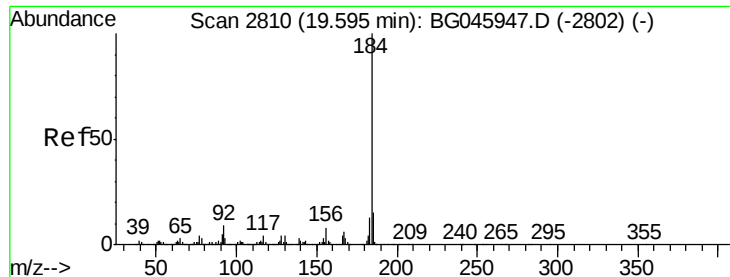


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.052 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

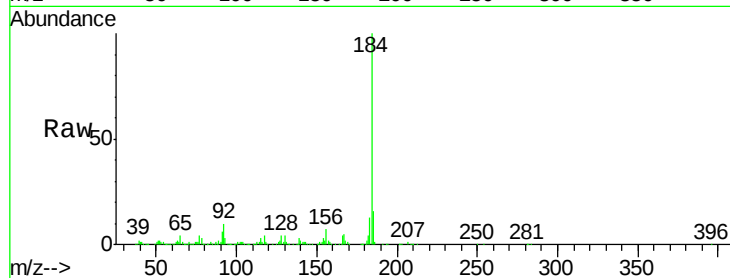
Tot Ion:184 Resp: 384365

Ion Ratio Lower Upper

184 100

185 15.8 11.6 17.4

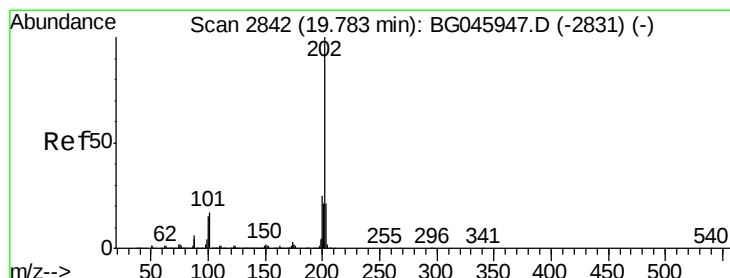
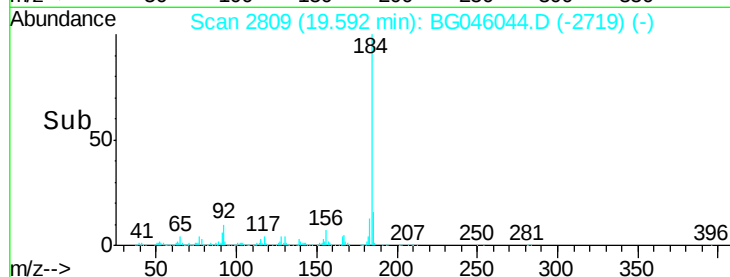
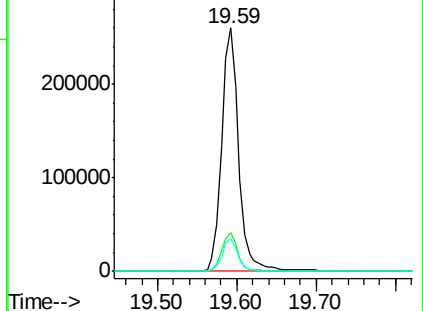
183 13.3 10.4 15.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.488 ng

RT: 19.77 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

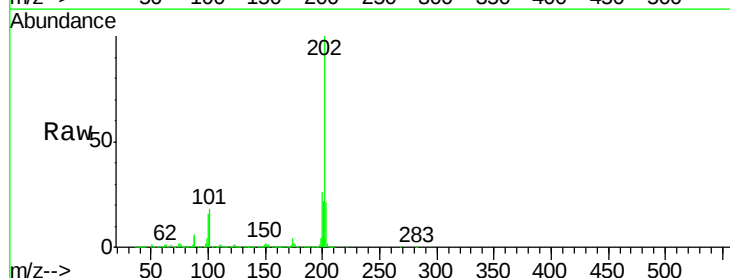
Tgt Ion:202 Resp: 1922581

Ion Ratio Lower Upper

202 100

200 26.1 20.1 30.1

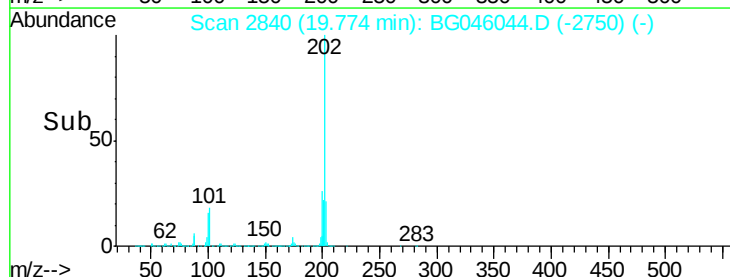
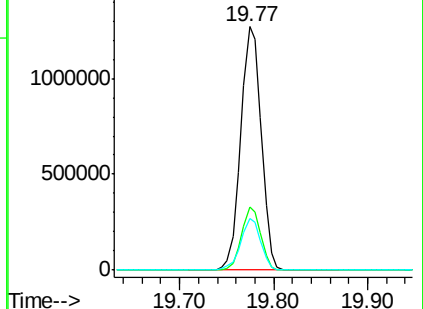
203 21.3 16.5 24.7

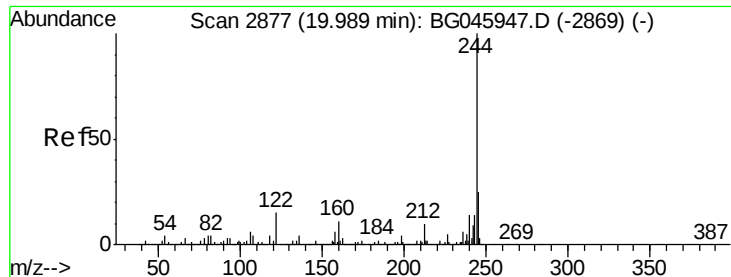


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.617 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

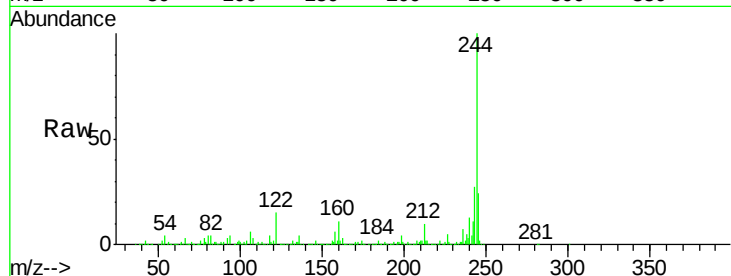
Tot Ion:244 Resp: 1992023

Ion Ratio Lower Upper

244 100

212 10.0 8.3 12.5

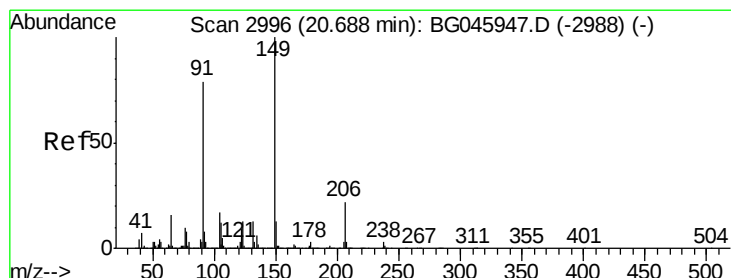
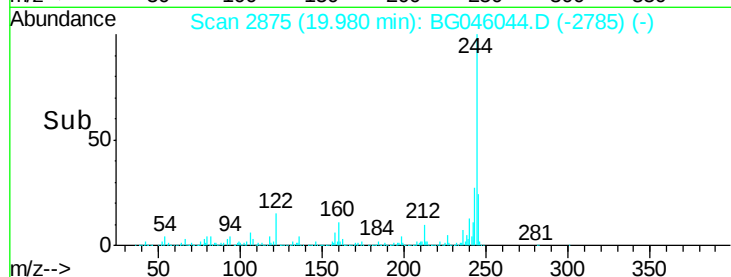
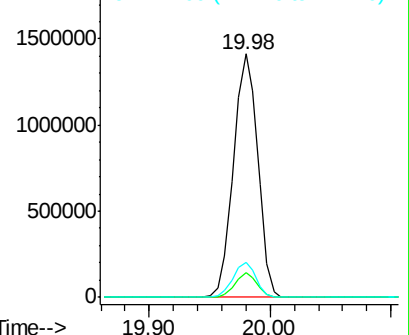
122 14.6 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 53.552 ng

RT: 20.67 min Scan# 2993

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

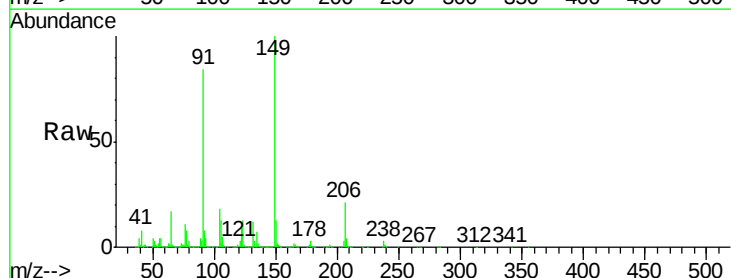
Tgt Ion:149 Resp: 926953

Ion Ratio Lower Upper

149 100

91 84.2 63.1 94.7

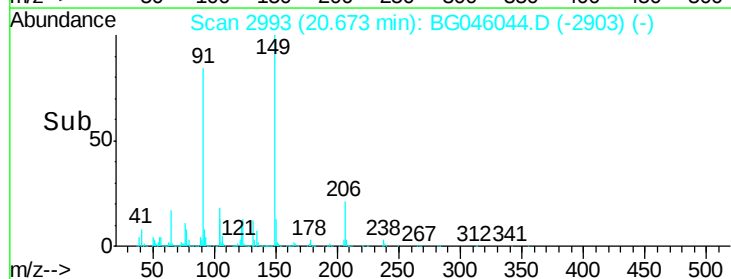
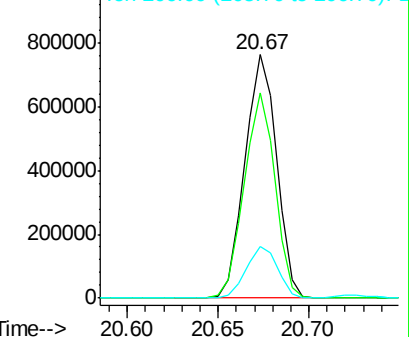
206 21.3 17.4 26.0

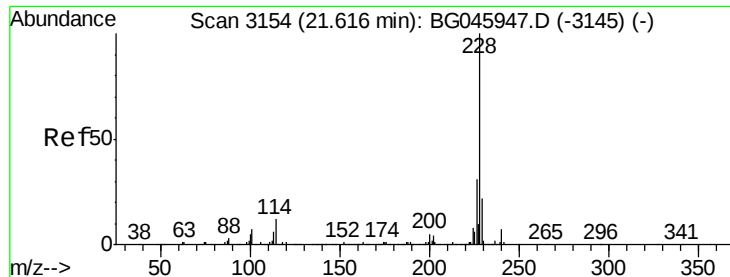


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.168 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

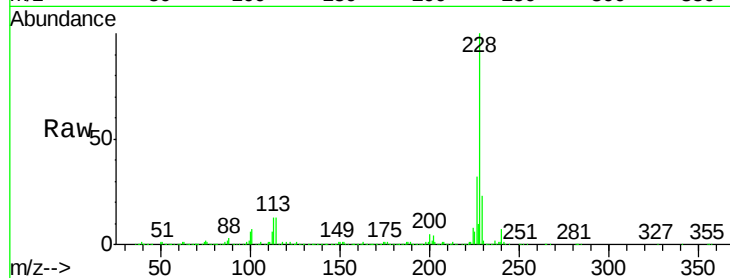
Tot Ion:228 Resp: 1770110

Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

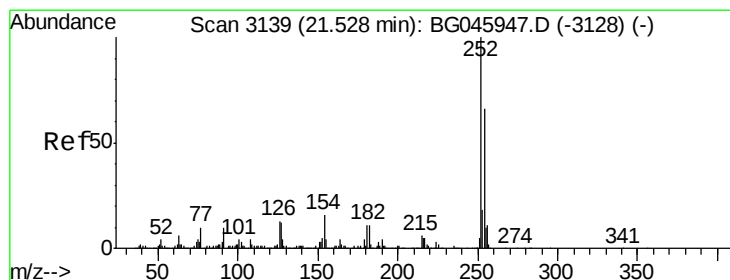
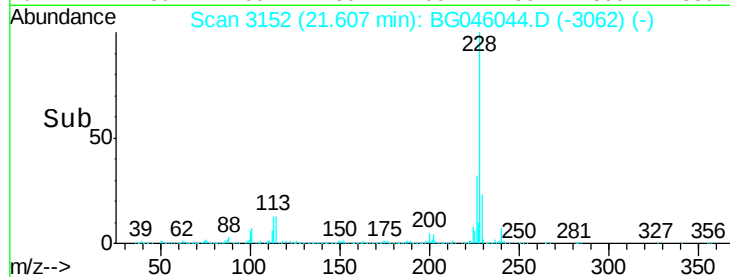
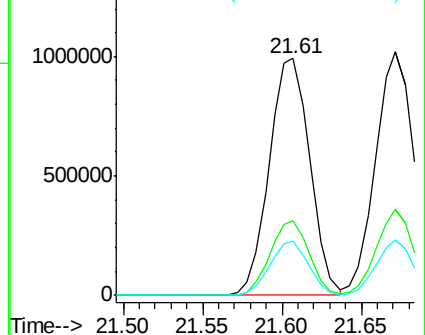
229 22.8 17.8 26.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.276 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

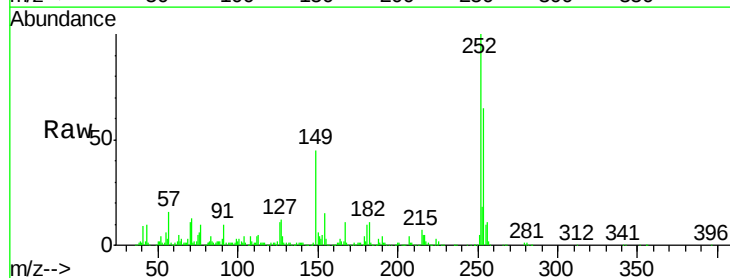
Tgt Ion:252 Resp: 316510

Ion Ratio Lower Upper

252 100

254 64.9 52.9 79.3

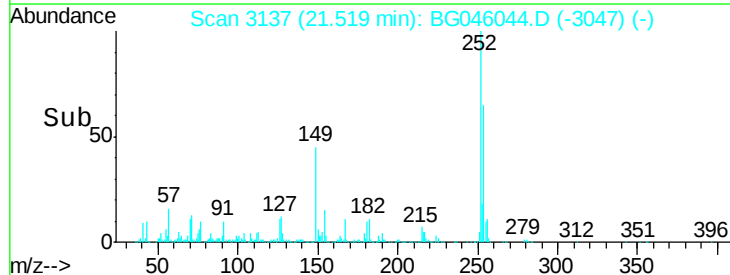
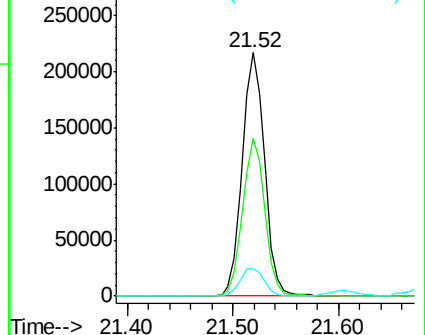
126 11.2 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 50.775 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

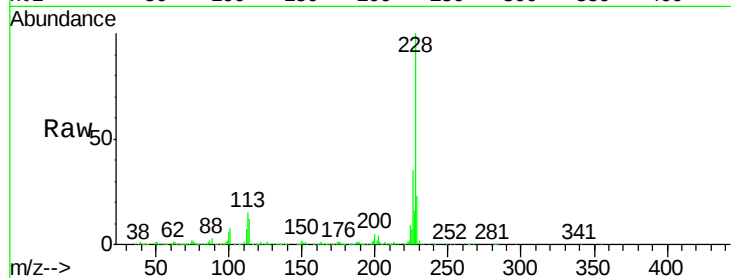
Tot Ion:228 Resp: 1706736

Ion Ratio Lower Upper

228 100

226 35.3 26.7 40.1

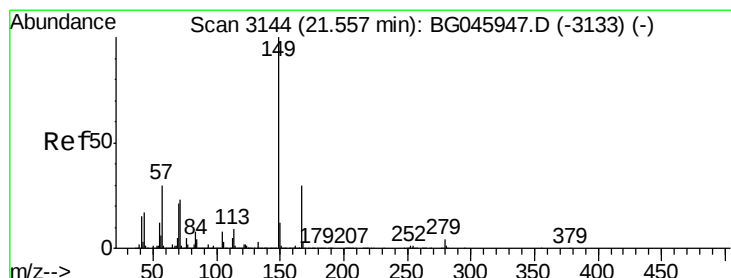
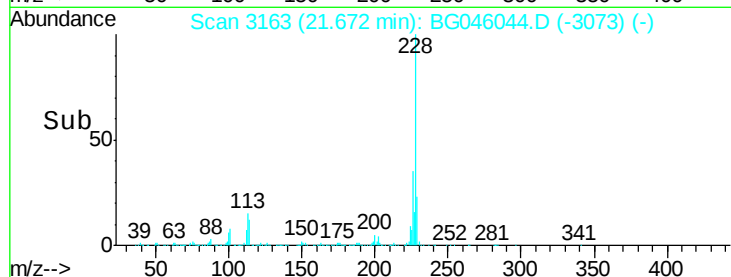
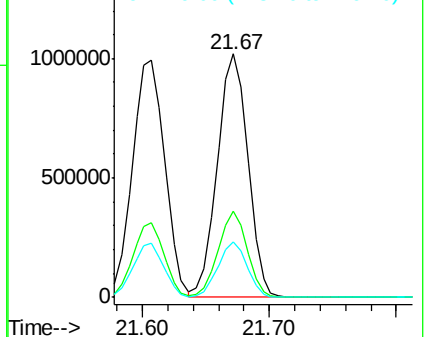
229 23.0 17.3 25.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.600 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

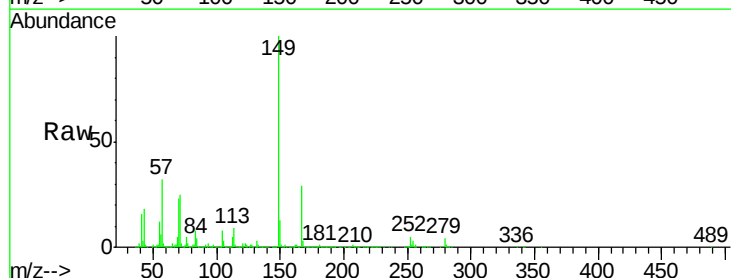
Tgt Ion:149 Resp: 1296493

Ion Ratio Lower Upper

149 100

167 29.3 23.8 35.8

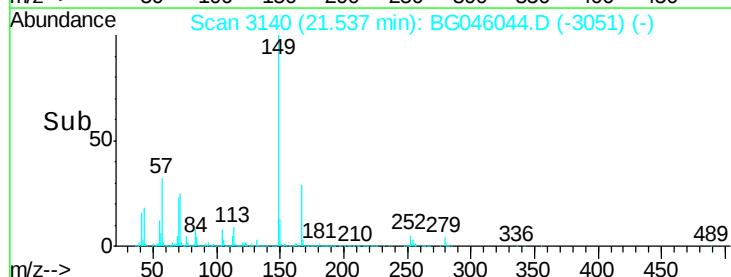
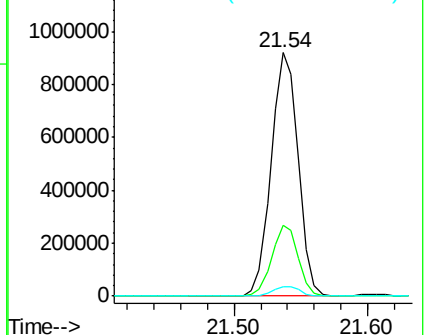
279 4.0 3.5 5.3

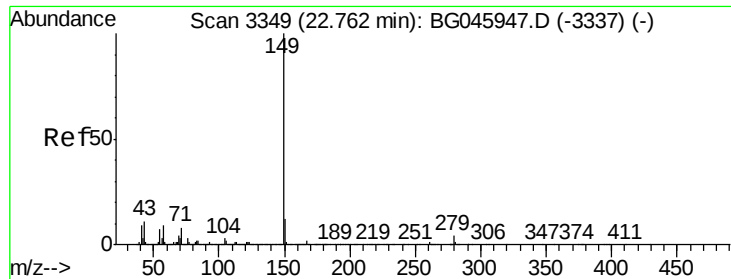


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.217 ng

RT: 22.73 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

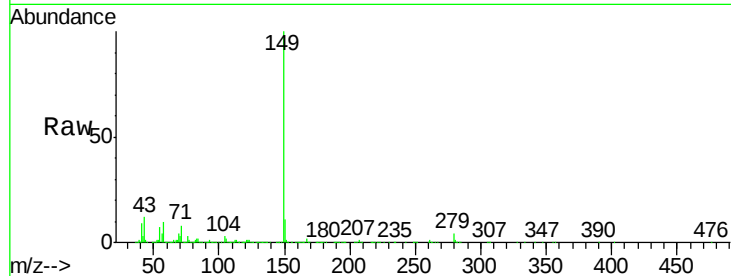
Tot Ion:149 Resp: 2189580

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

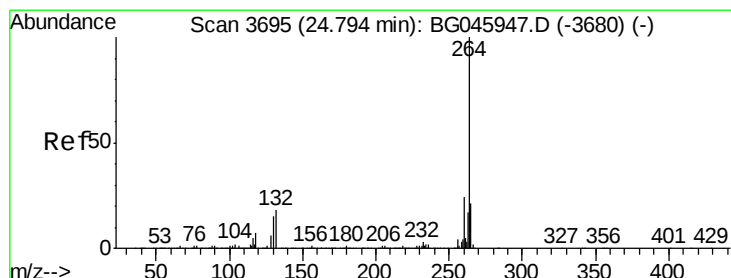
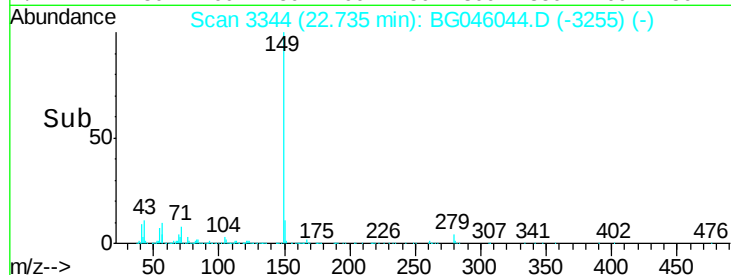
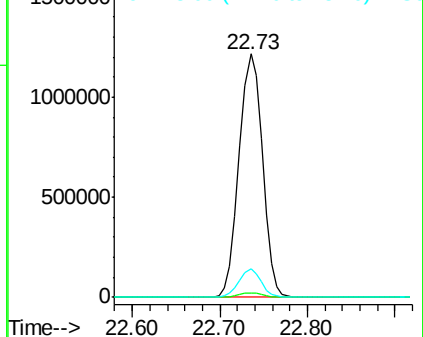
43 10.8 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

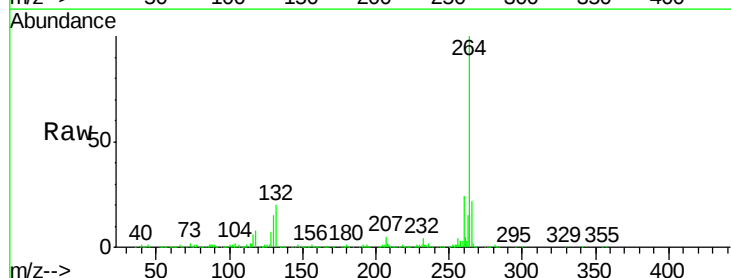
Tgt Ion:264 Resp: 547363

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

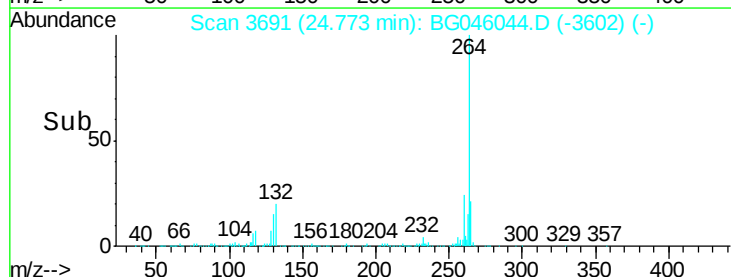
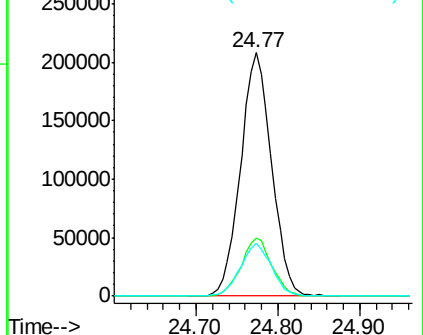
265 21.5 16.9 25.3

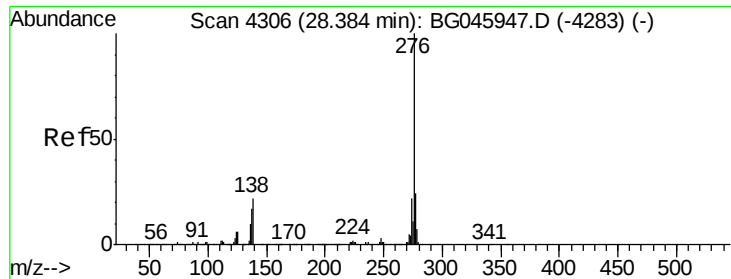


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.283 ng

RT: 28.36 min Scan# 4301

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

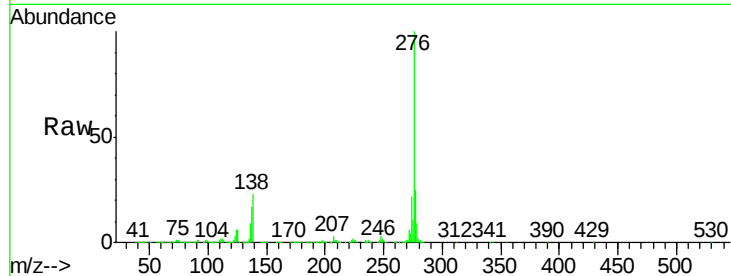
Tot Ion:276 Resp: 2173666

Ion Ratio Lower Upper

276 100

138 19.9 16.4 24.6

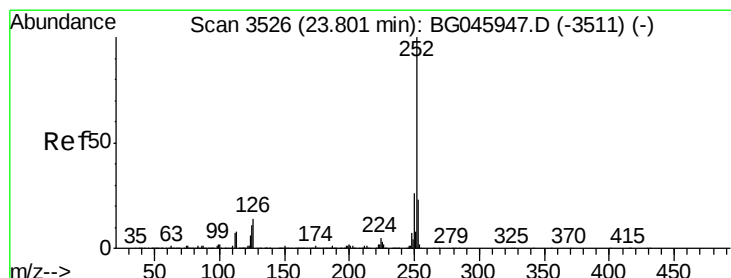
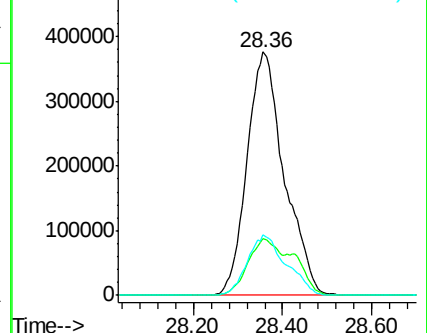
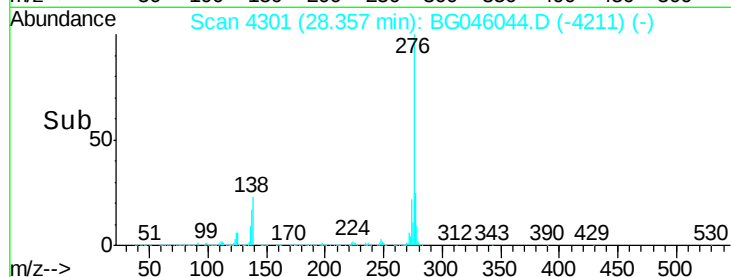
277 25.8 20.6 31.0



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



#88

Benzo(b)fluoranthene

Concen: 54.278 ng

RT: 23.79 min Scan# 3523

Delta R.T. 0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

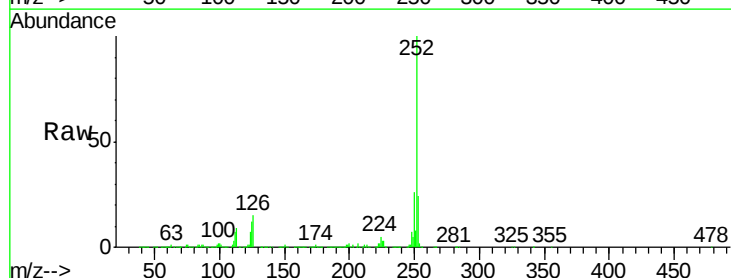
Tgt Ion:252 Resp: 1886012

Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

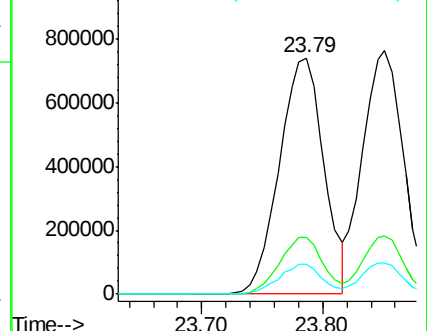
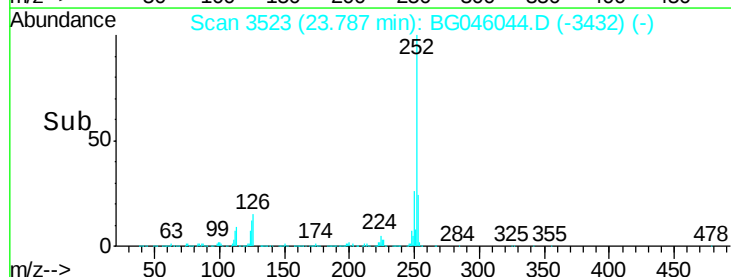
125 12.4 9.2 13.8

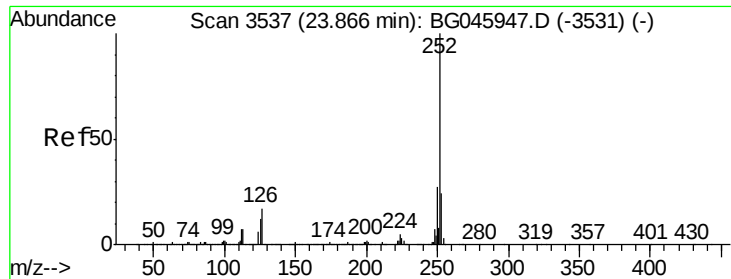


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 54.301 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

Instrument :

BNA_G

ClientSampleId :

CL-02-070920MSD

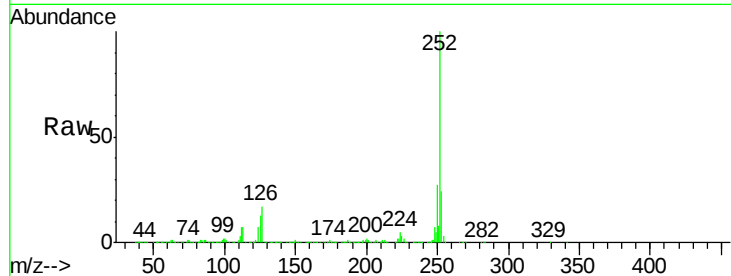
Tot Ion:252 Resp: 1784073

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

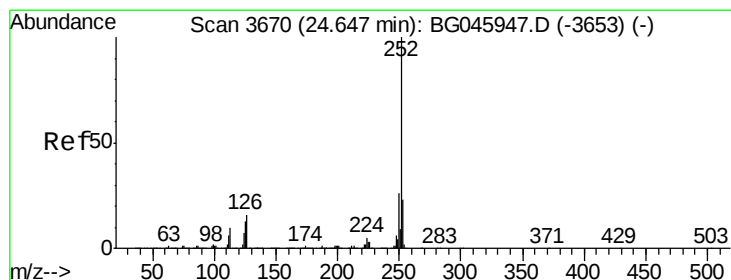
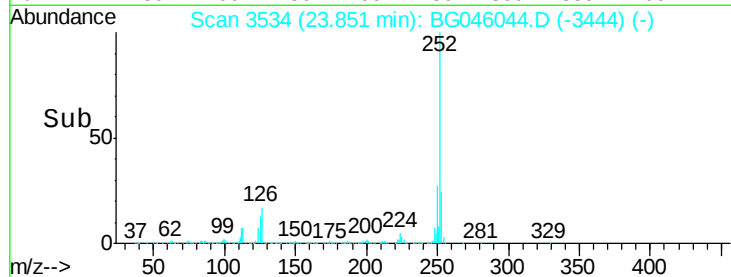
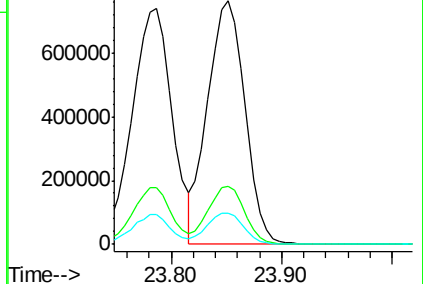
125 12.9 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 53.152 ng

RT: 24.63 min Scan# 3667

Delta R.T. -0.00 min

Lab File: BG046044.D

Acq: 14 Jul 2020 22:30

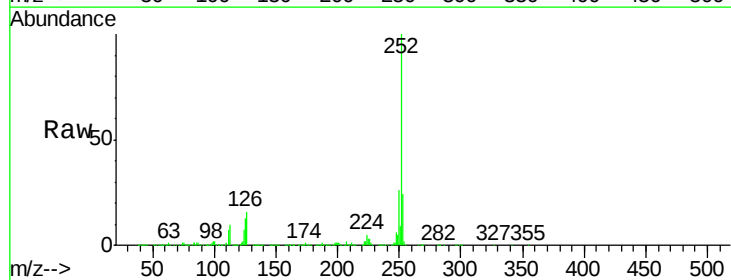
Tgt Ion:252 Resp: 1736697

Ion Ratio Lower Upper

252 100

253 24.0 18.6 28.0

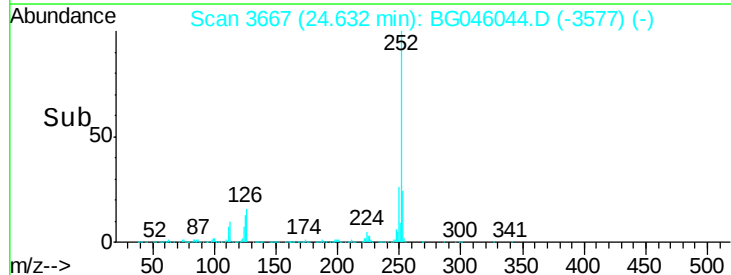
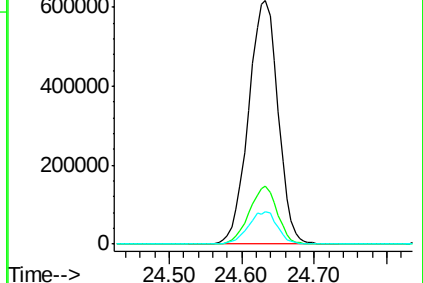
125 13.3 10.5 15.7

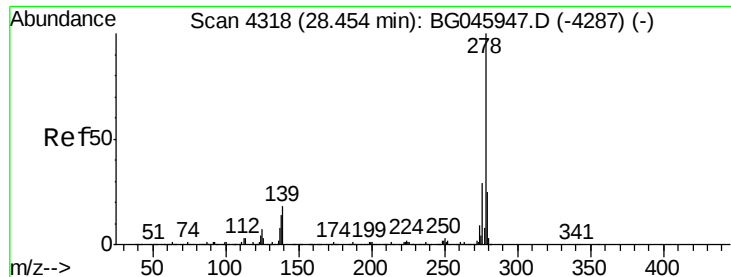


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

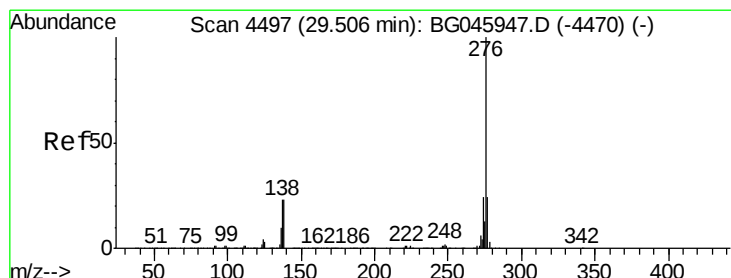
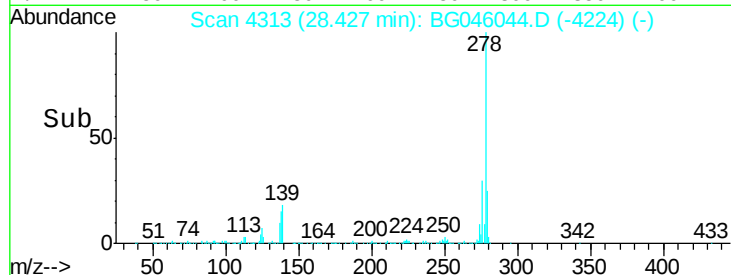
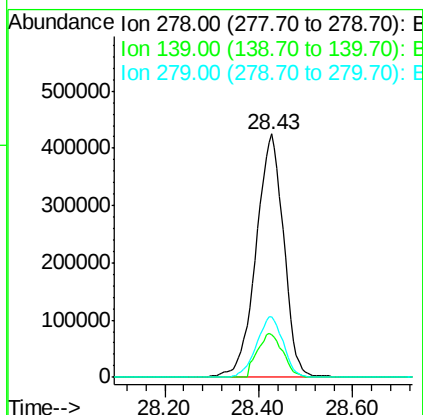
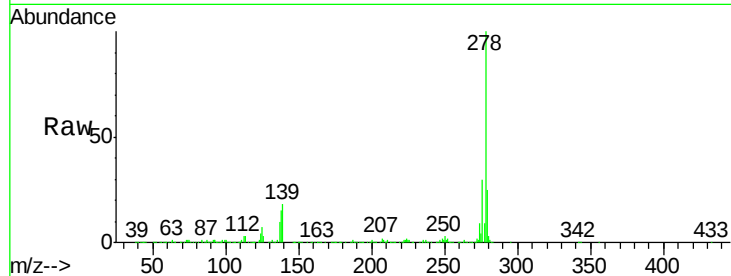




#91
Dibenzo(a,h)anthracene
Concen: 53.932 ng
RT: 28.43 min Scan# 4313
Delta R.T. -0.01 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Instrument :
BNA_G
ClientSampleId :
CL-02-070920MSD

Tot Ion:278 Resp: 1741858
Ion Ratio Lower Upper
278 100
139 17.6 14.3 21.5
279 25.0 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 53.909 ng
RT: 29.47 min Scan# 4491
Delta R.T. -0.00 min
Lab File: BG046044.D
Acq: 14 Jul 2020 22:30

Tgt Ion:276 Resp: 1752167
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 24.9 18.6 28.0

