Supplementary material:

I. The following fragmentation ions were found in the MS / MS spectrum of compound **E**:

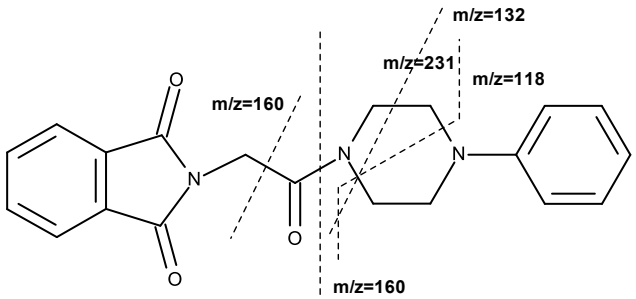
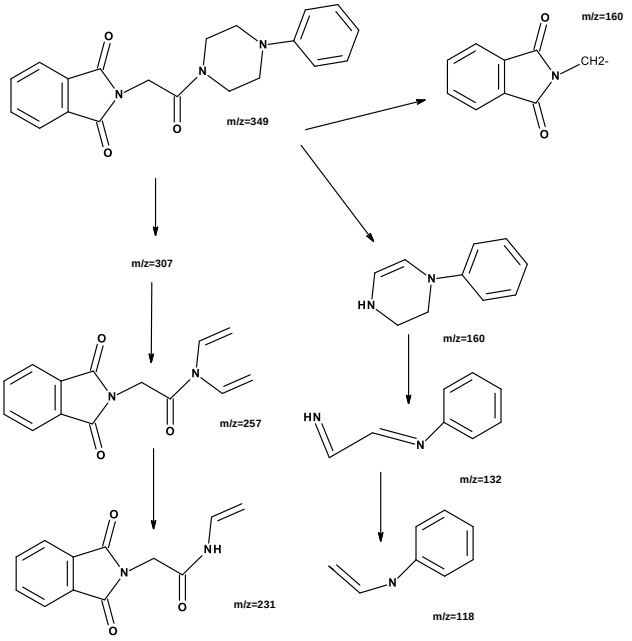
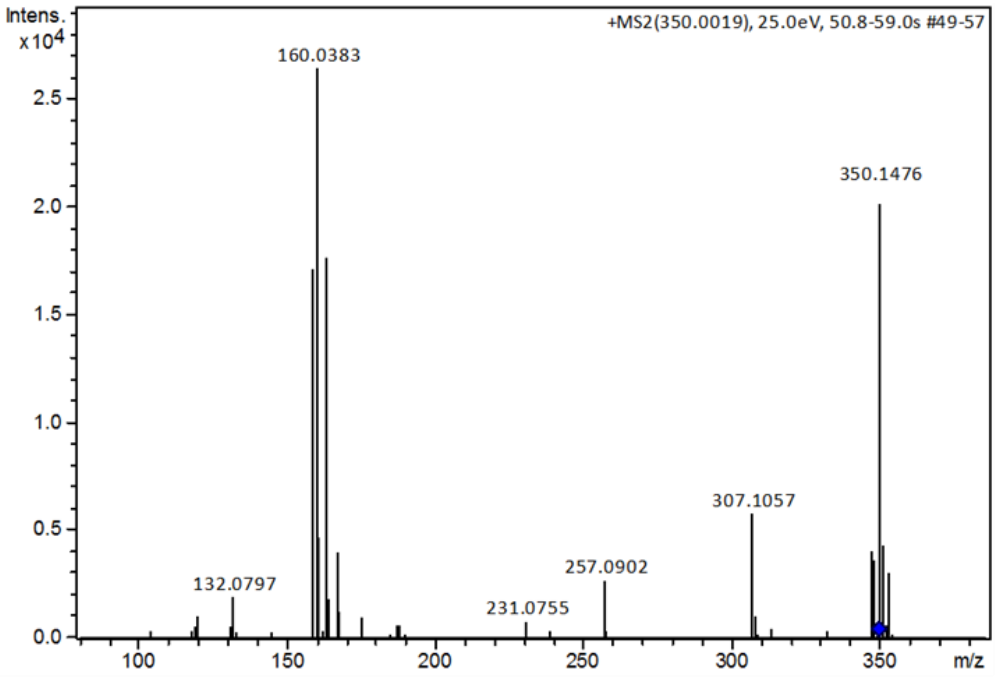
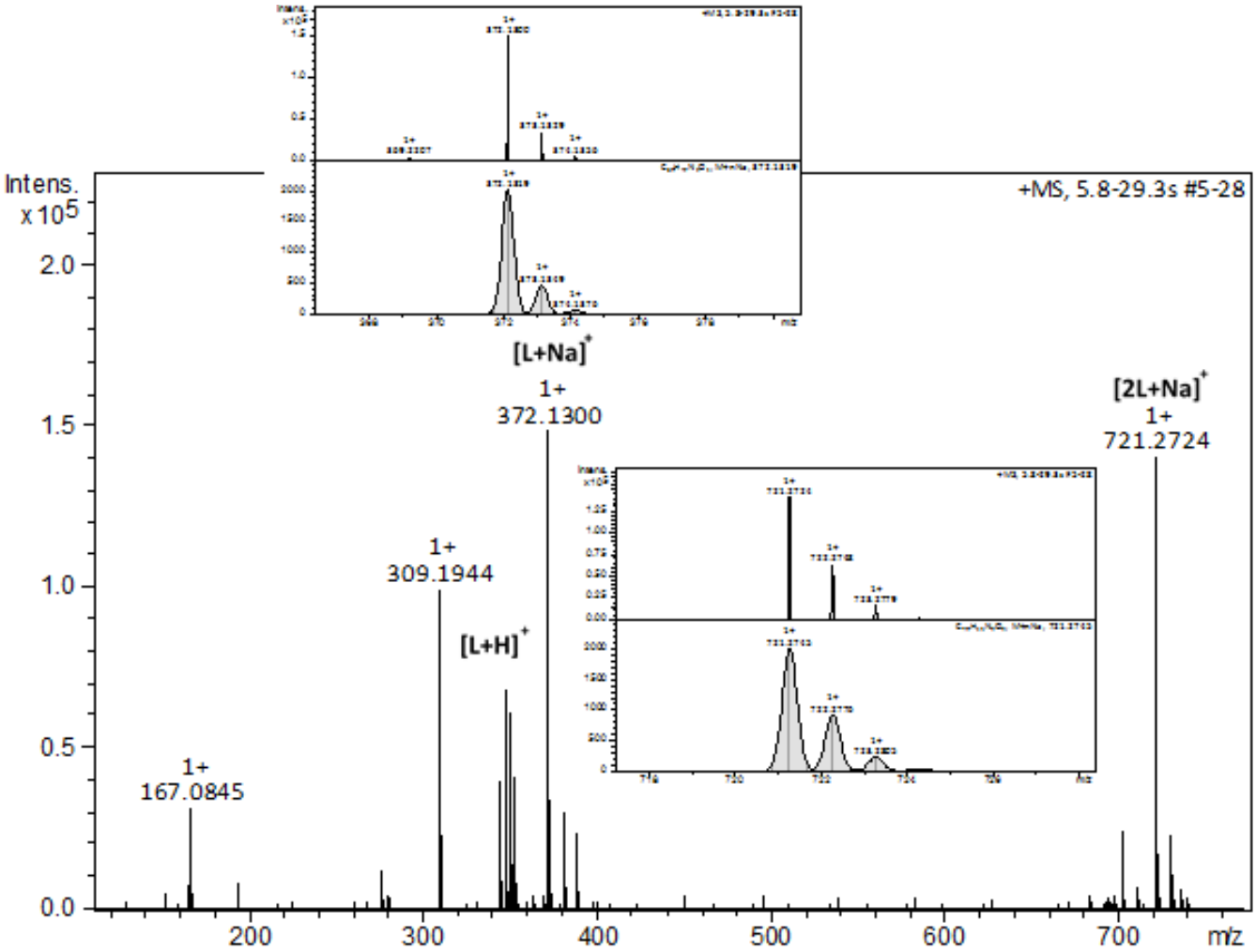


Table S1.



Compound	**MW**	**Quazi-molecular Ion adduct**	**m/z**
Substrat E	349	M+H	350
Fragmentation product	306	M+H	307
Fragmentation product	256	M+H	257
Fragmentation product	230	M+H	231
Fragmentation product(x2)	159	M+H	160
Fragmentation product	131	M+H	132
Fragmentation product	117	M+H	118


Intens.
x10^4
+MS2(350.0019), 25.0eV, 50.8-59.0s #49-57
160.0383
350.1476
307.1057
257.0902
132.0797
231.0755
m/z


Intens.
x10^5
+MS, 5.8-29.3s #5-28
[L+Na]+
1+
372.1300
[2L+Na]+
1+
721.2724
1+
309.1944
[L+H]+
1+
167.0845
m/z

II. The following fragmentation ions were found in the MS / MS spectrum of compound **F**:

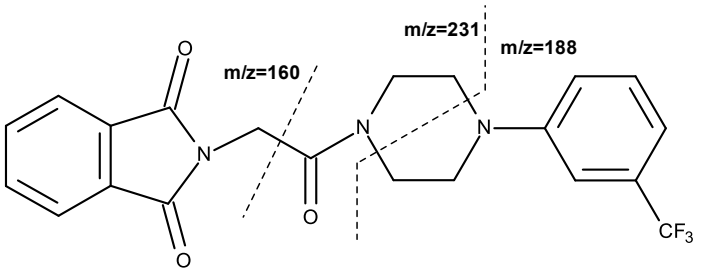
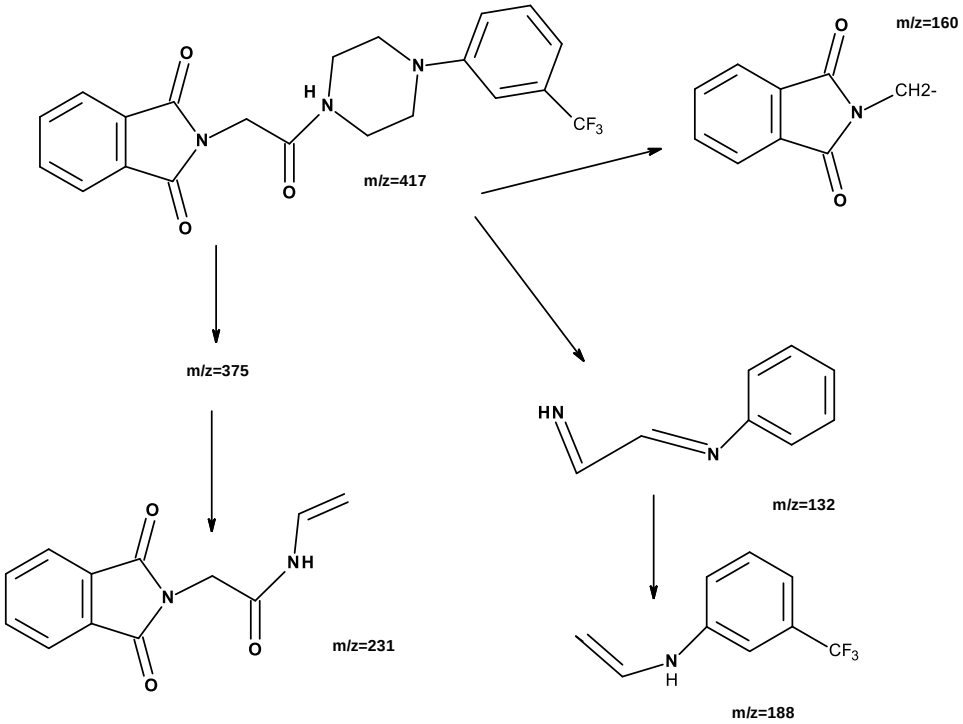
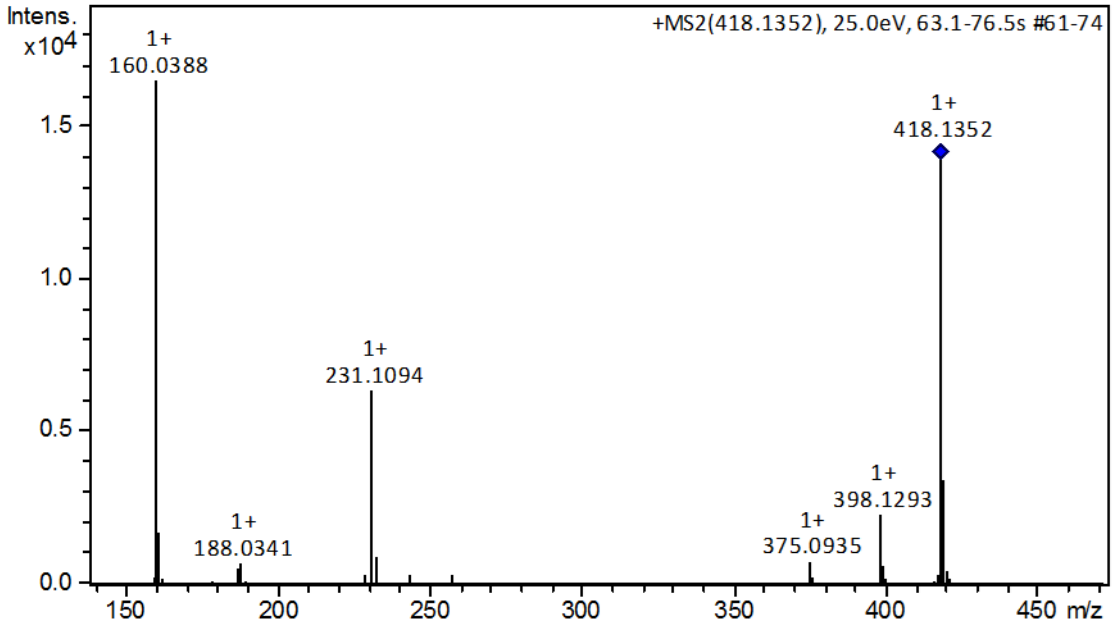
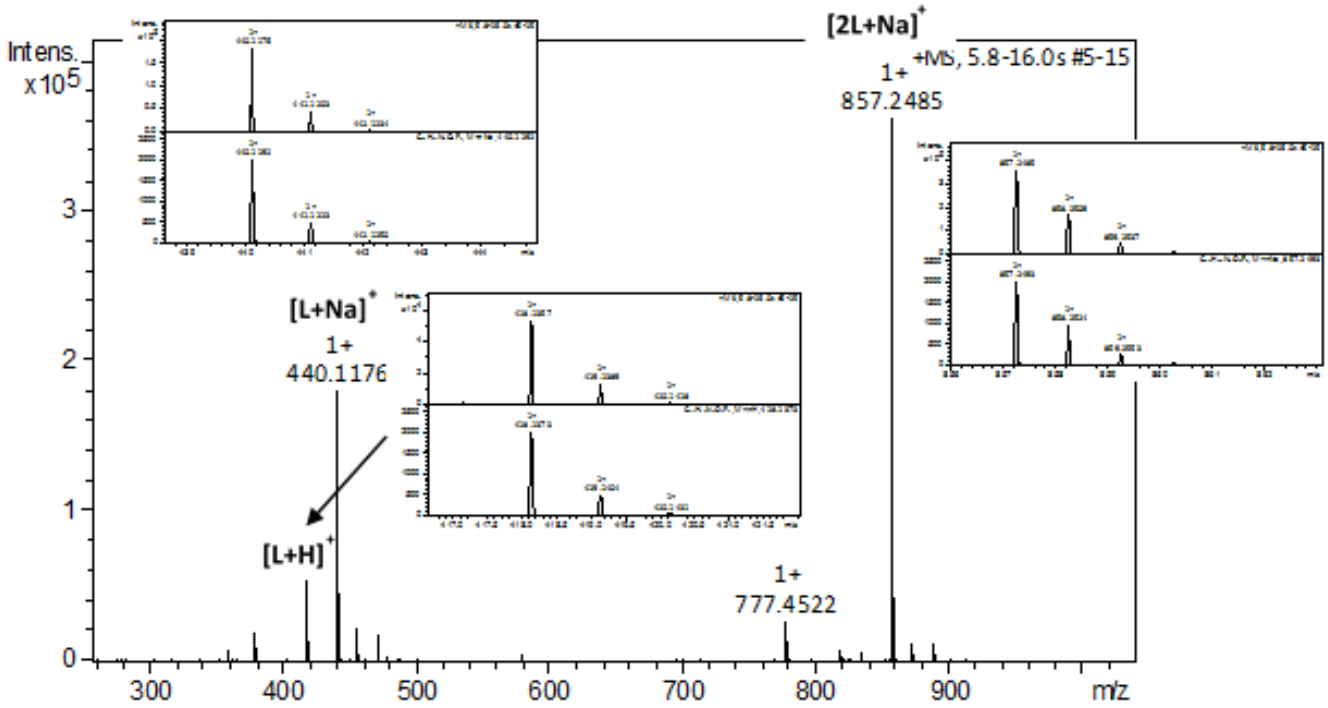


Table S2.



Compound	**MW**	**Pseudo-molecular ion adduct**	**m/z**
Substrat F	417	M+H	418
Fragmentation product	374	M+H	375
Fragmentation product	230	M+H	231
Fragmentation product	187	M+H	188
Fragmentation product	159	M+H	160


Intens.
x10^4
+MS2(418.1352), 25.0eV, 63.1-76.5s #61-74
1+
160.0388
1+
418.1352
1+
231.1094
1+
398.1293
1+
188.0341
1+
375.0935
1.5
1.0
0.5
0.0
150
200
250
300
350
400
450 m/z


Intens.
x10^5
[2L+Na]+
+MS, 5.8-16.0s #5-15
1+
857.2485
[L+Na]+
1+
440.1176
[L+H]+
1+
777.4522
3
2
1
0
300
400
500
600
700
800
900
m/z

III. The following fragmentation ions were found in the MS / MS spectrum of compound **G**:

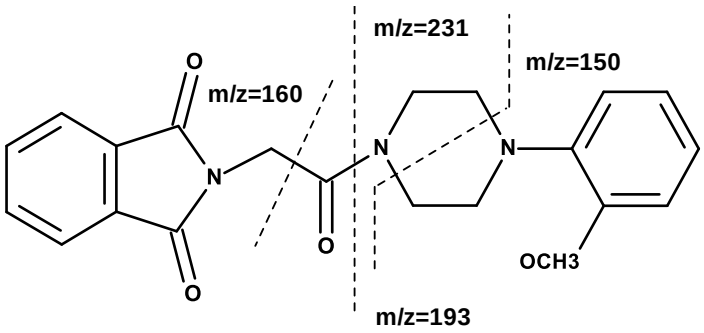
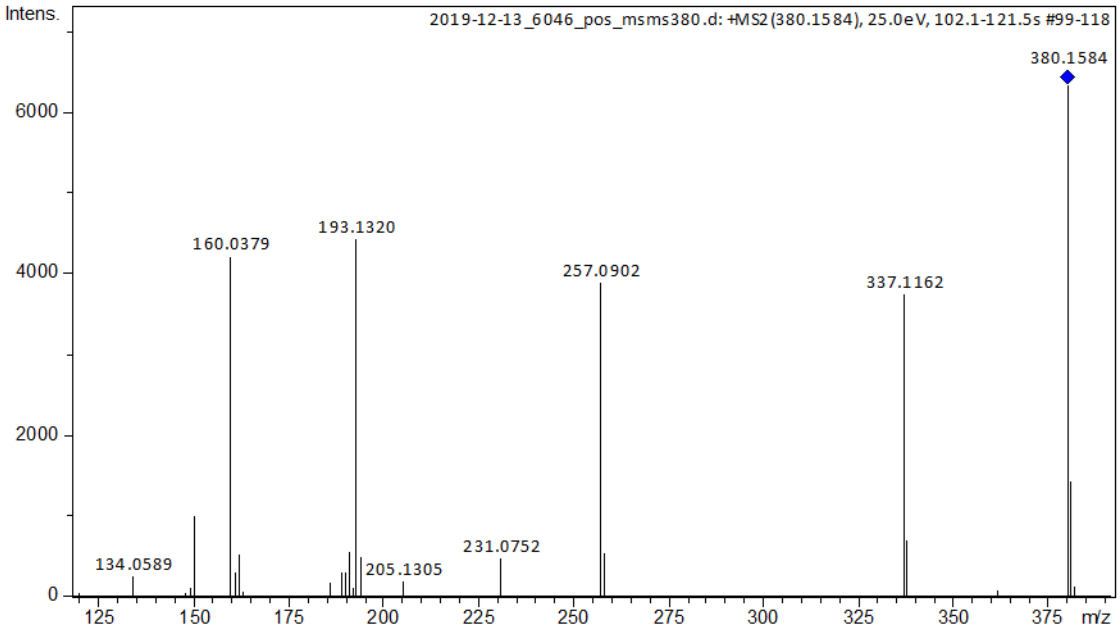
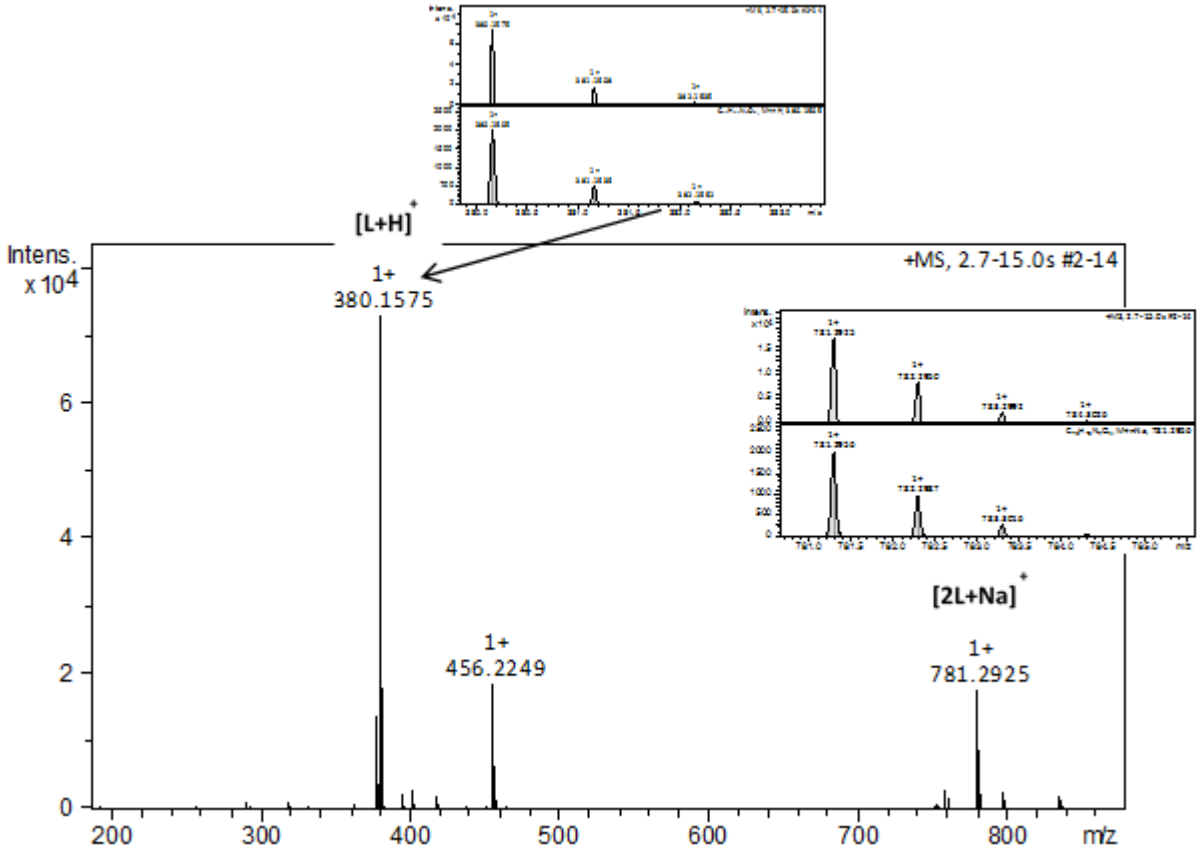


Table S3.

Compound	**MW**	**Quazi-molecular Ion adduct**	**m/z**
Substrat G	379	M+H	380
Fragmentation product	336	M+H	337
Fragmentation product	256	M+H	257
Fragmentation product	230	M+H	231
Fragmentation product	192	M+H	193
Fragmentation product	159	M+H	160
Fragmentation product	149	M+H	150




[L+H]+
Intens.
x 10^4
+MS, 2.7-15.0s #2-14
1+
380.1575
1+
456.2249
1+
781.2925
[2L+Na]+
0
2
4
6
200
300
400
500
600
700
800
m/z

IV. The following fragmentation ions were found in the MS / MS spectrum of compound **H**:

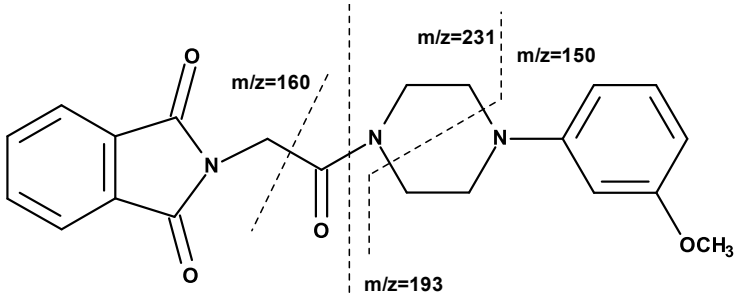
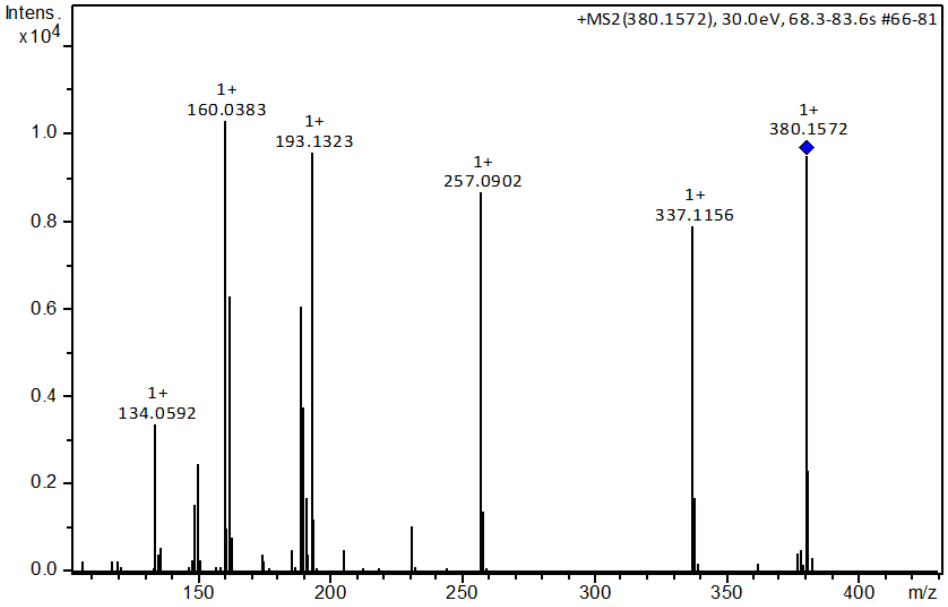
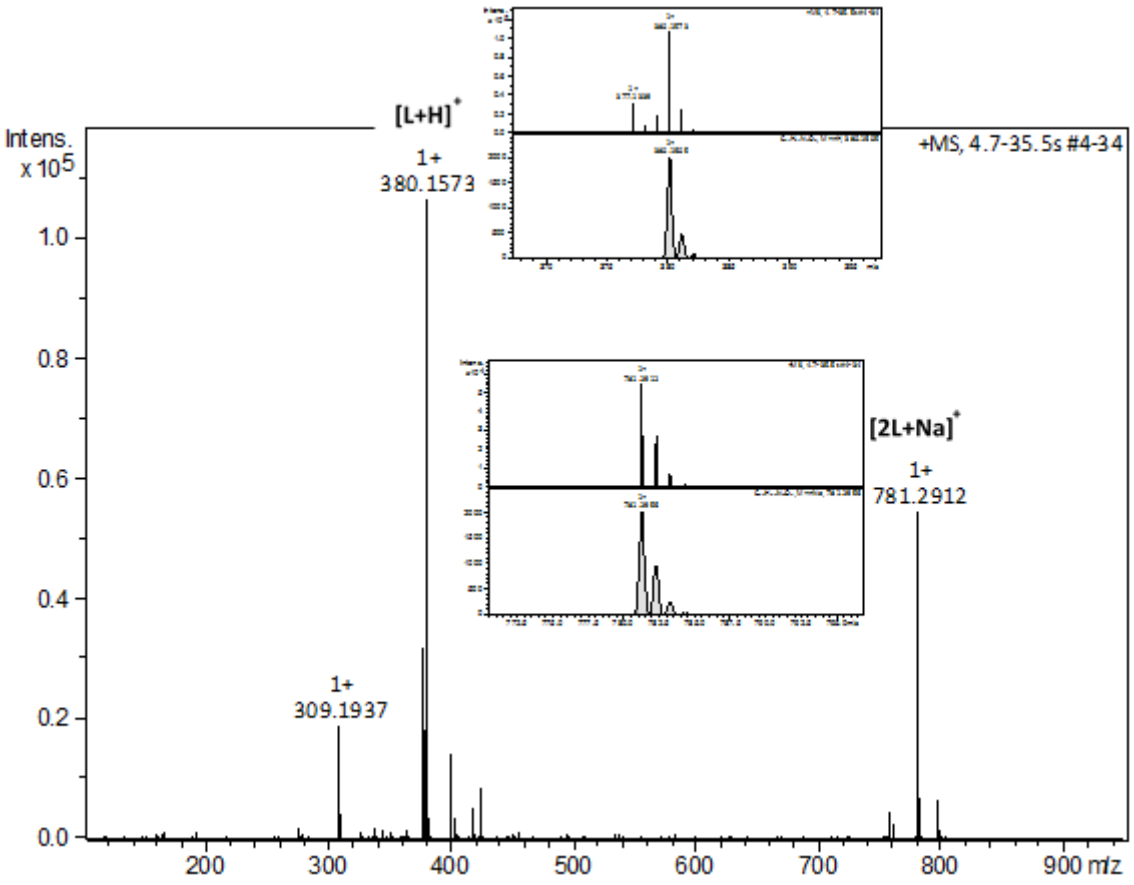


Table S4.

Compound	**MW**	**Quazi-molecular Ion adduct**	**m/z**
Substrat H	379	M+H	380
Fragmentation product	336	M+H	337
Fragmentation product	256	M+H	257
Fragmentation product	230	M+H	231
Fragmentation product	192	M+H	193
Fragmentation product	159	M+H	160
Fragmentation product	149	M+H	150




Intens.
x 10^5
1.0
0.8
0.6
0.4
0.2
0.0
[L+H]+
1+
380.1573
+MS, 4.7-35.5s #4-34
[2L+Na]+
1+
781.2912
1+
309.1937
200
300
400
500
600
700
800
900 m/z

V. The following fragmentation ions were found in the MS / MS spectrum of compound **I**:

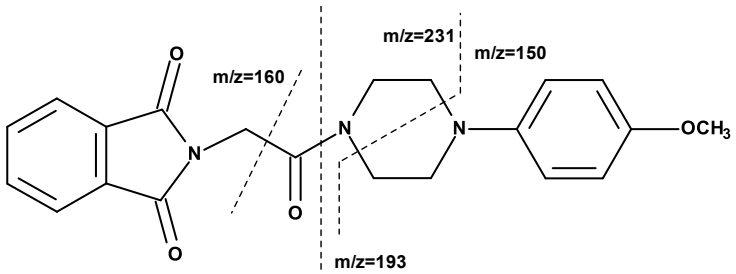
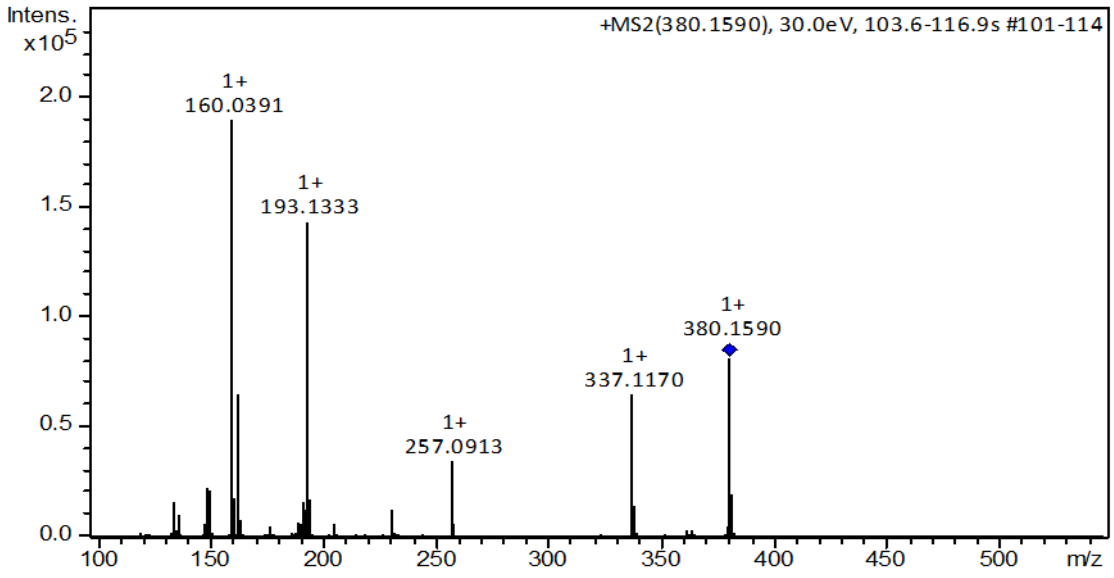
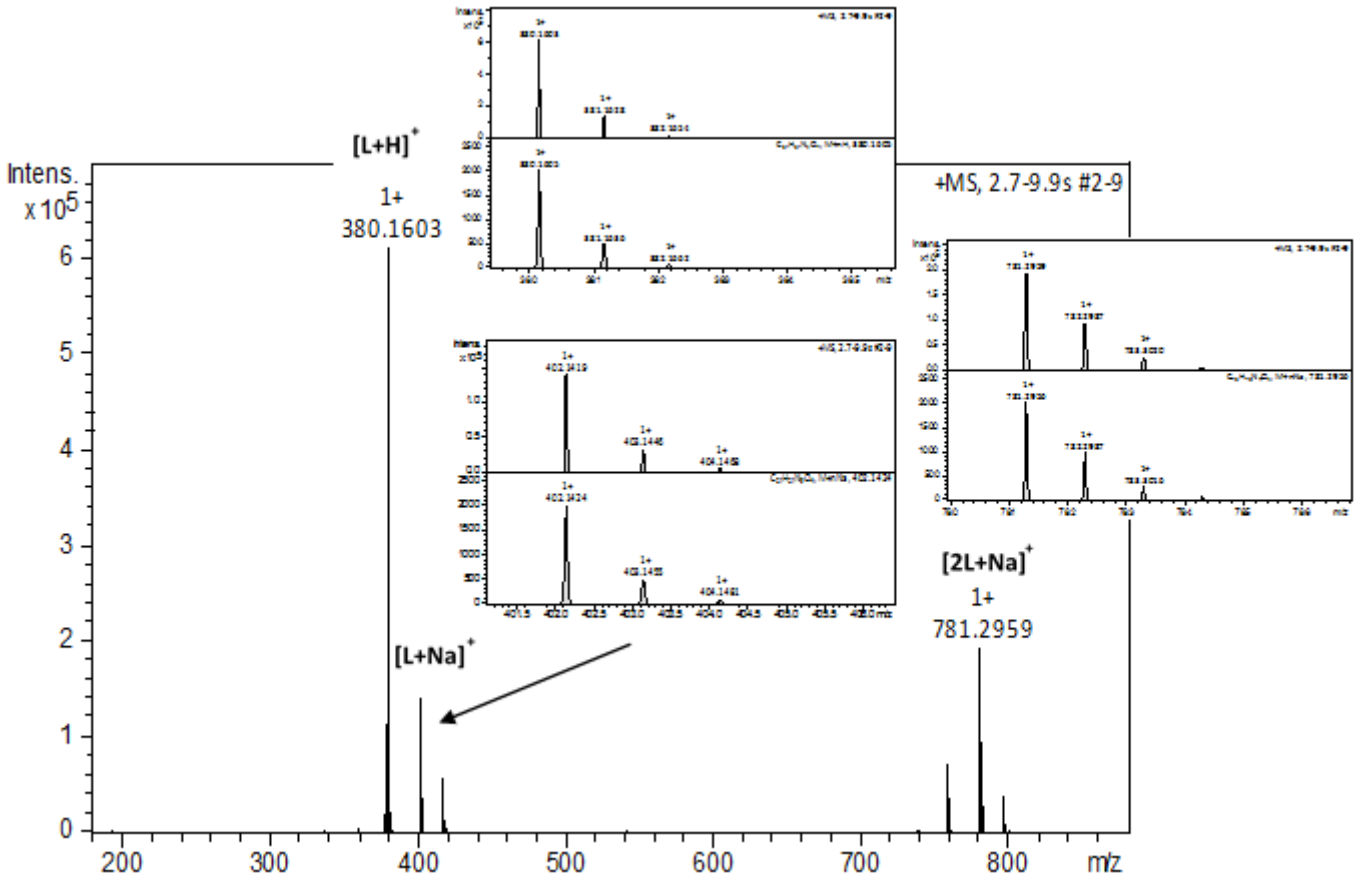


Table S5.

compound	**MW**	**Quazi-molecular Ion adduct**	**m/z**
Substrat I	379	M+H	380
Fragmentation product	336	M+H	337
Fragmentation product	256	M+H	257
Fragmentation product	230	M+H	231
Fragmentation product	192	M+H	193
Fragmentation product	159	M+H	160
Fragmentation product	149	M+H	150





Scheme S1. The probable mechanism of G, H, I degradation in methanol solution, proposed on the basis of ESI-MS,(ad III, IV, V)