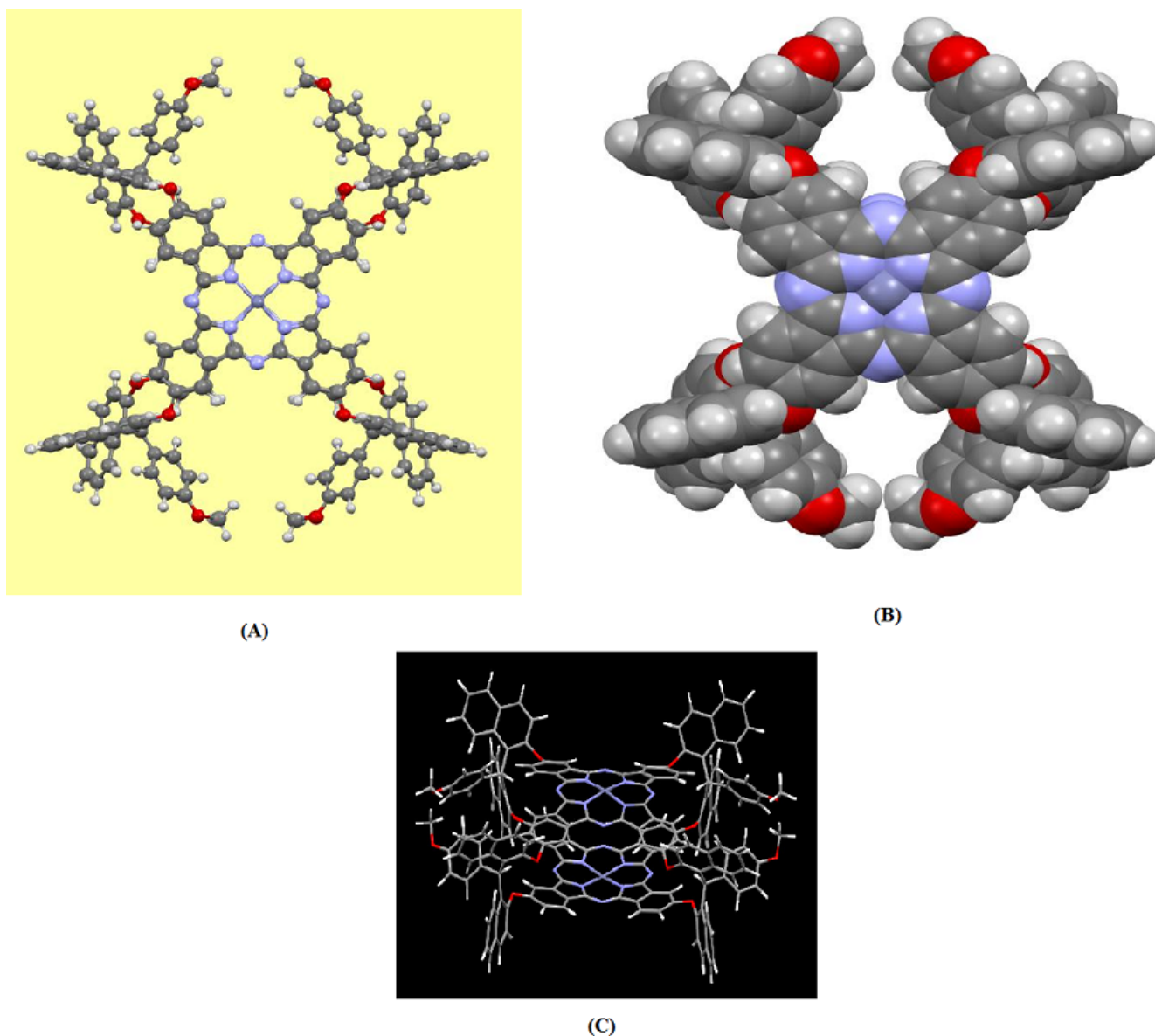


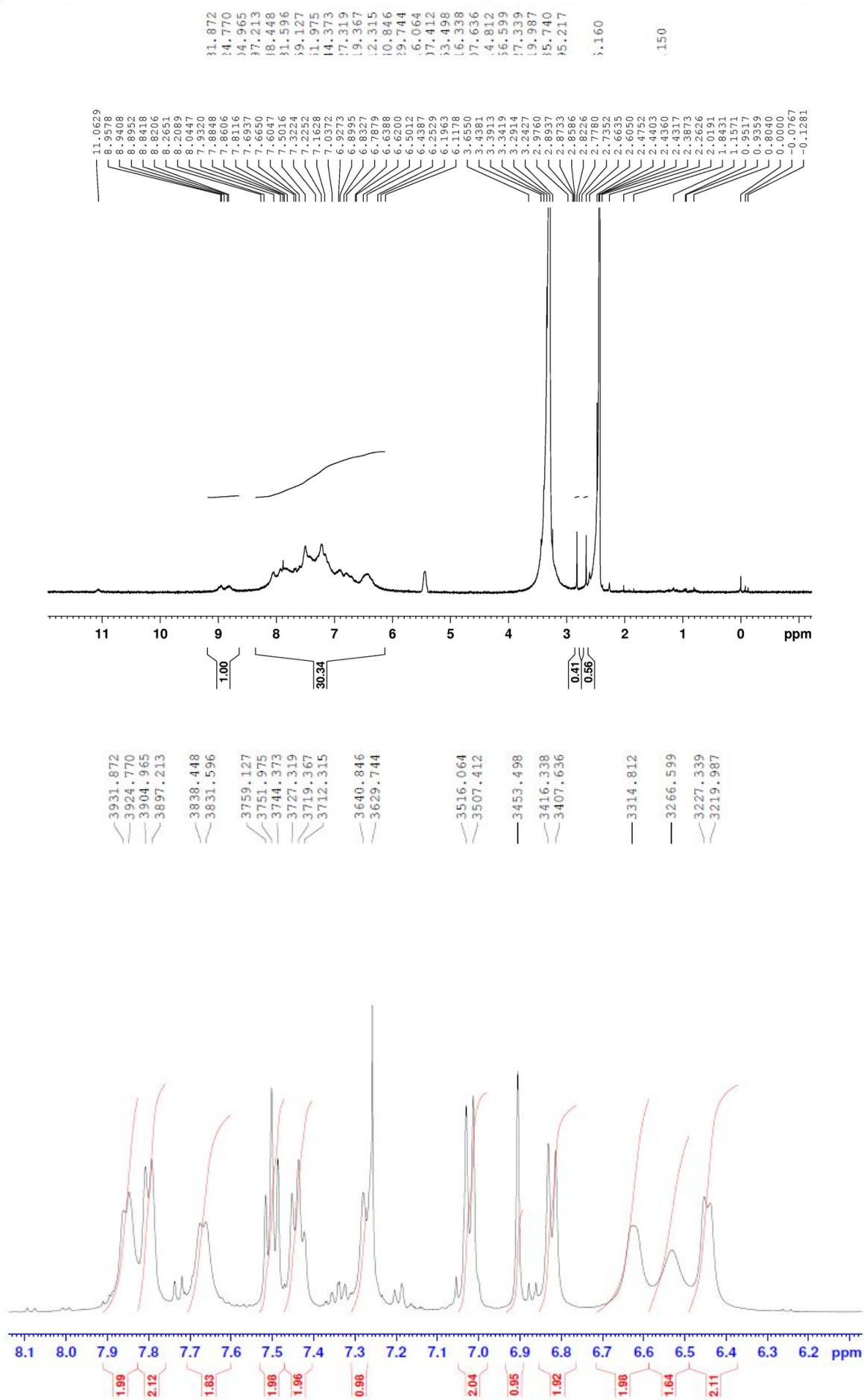
## Synthesis, characterization, oxygen electrocatalysis and OFET properties of novel mono- and ball-type metallophthalocyanines

Ali Sadi Başak, Ali Rıza Özkaya, Ahmet Altındal, Bekir Salih, Abdurrahman Şengül and Özer Bekaroğlu

### SUPPLEMENTARY MATERIALS



**Figure S1.** A ball and sticks presentation of the molecular structure of **8** from the top (A), a space filling presentation of the molecular structure of **8** from top (B) and a capped sticks presentation of the molecular structure of **8** (C).



**Figure S3.** <sup>1</sup>H NMR expanded spectra of aromatic area of **3**.

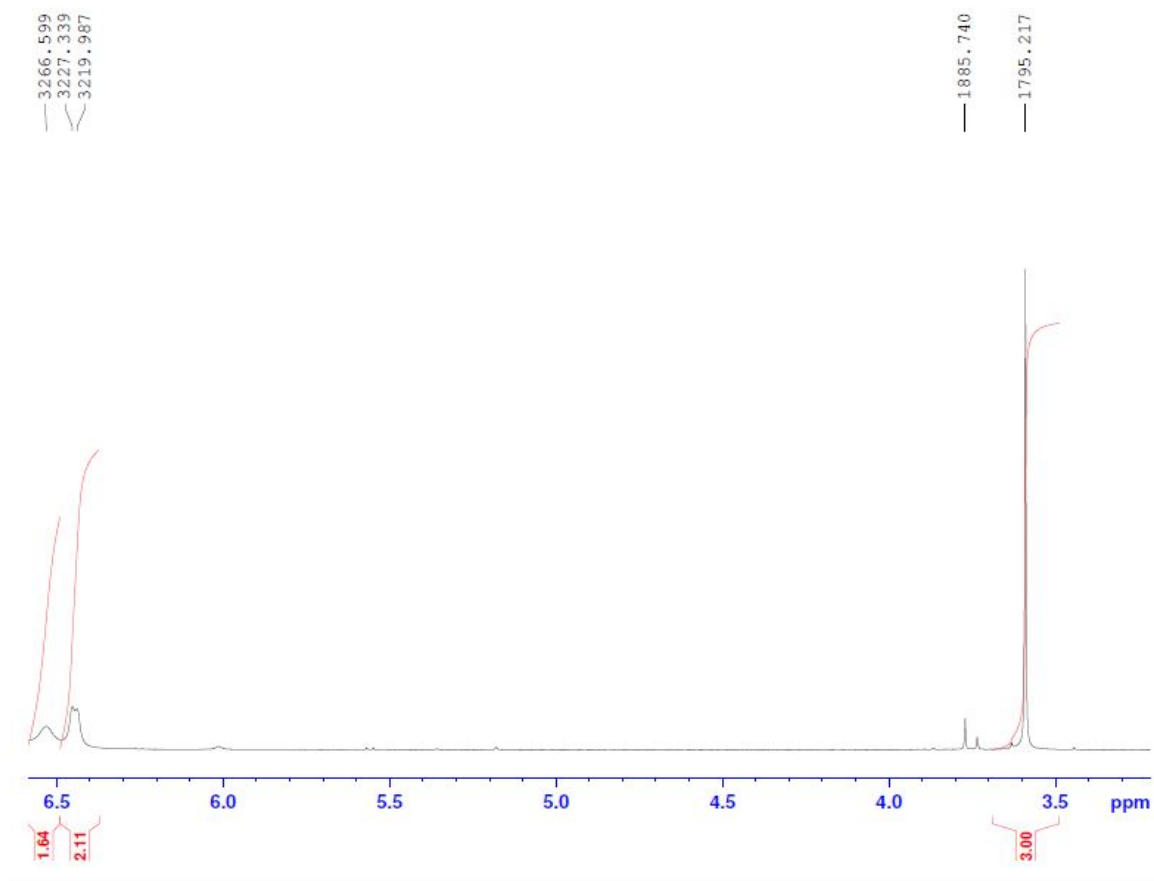


Figure S4. <sup>1</sup>H NMR expanded spectra of aliphatic area of 3.

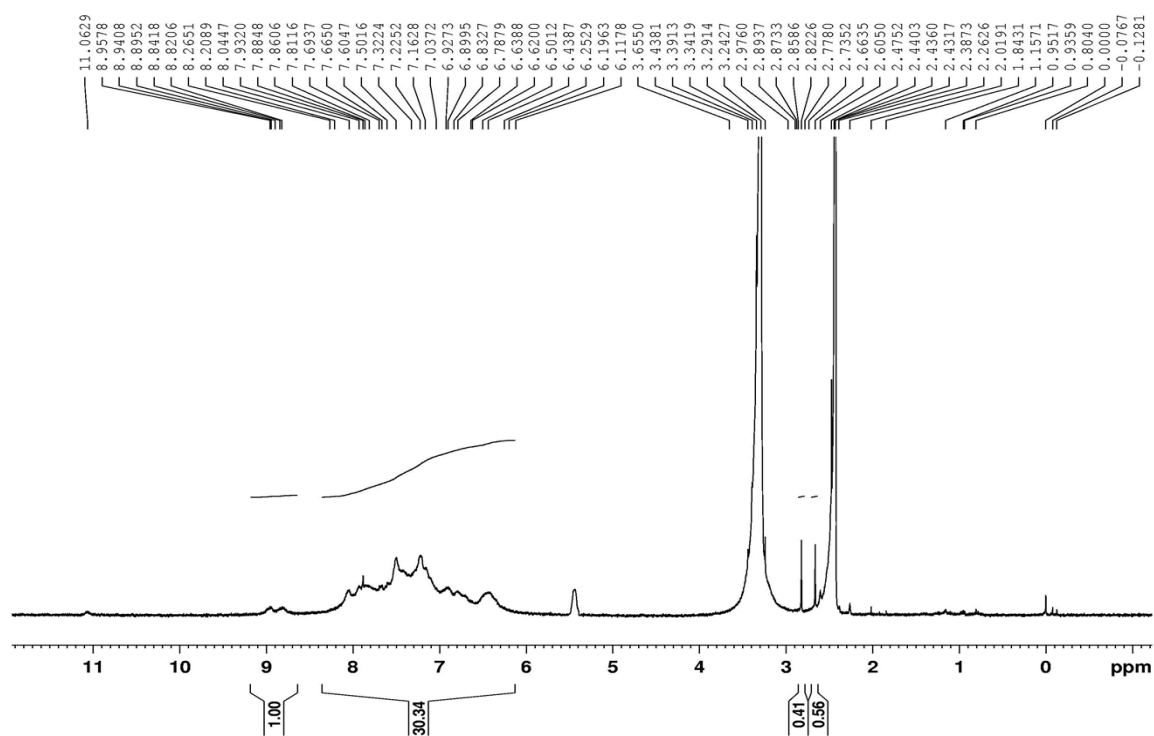
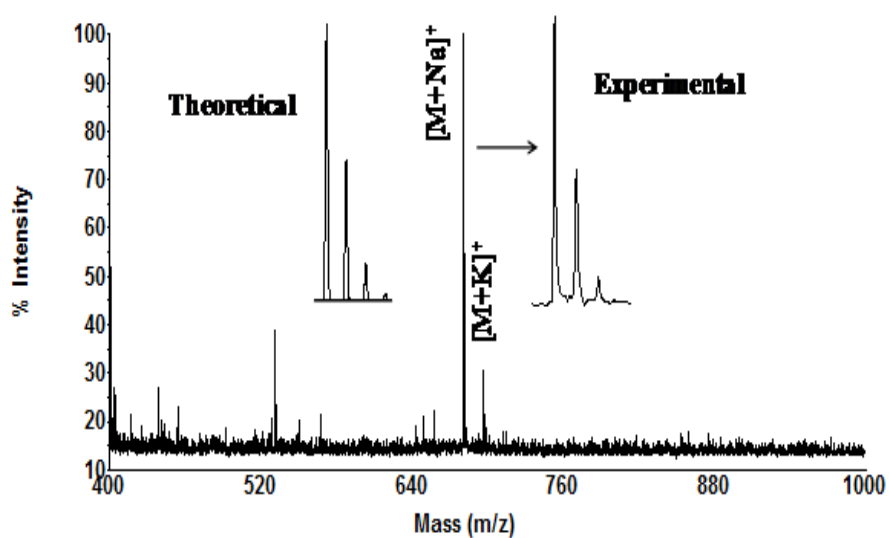
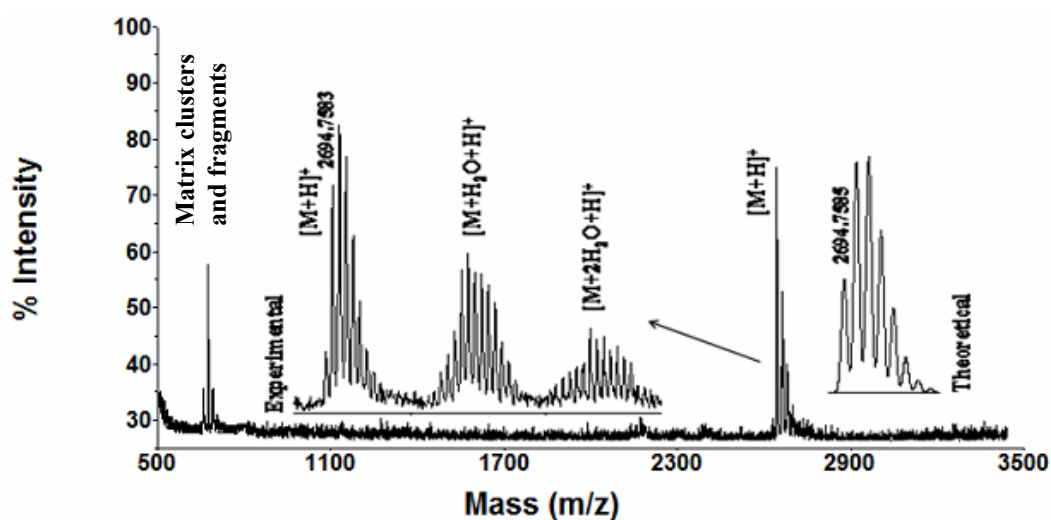


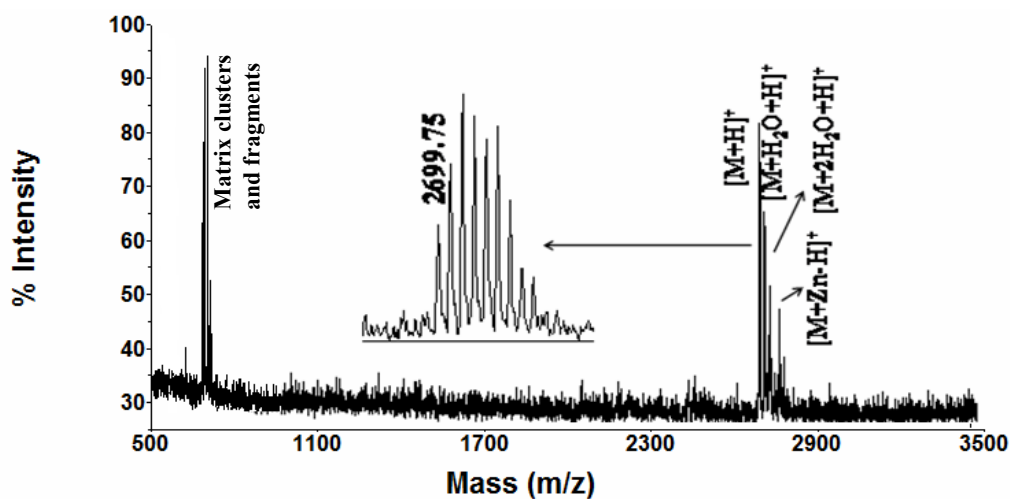
Figure S5. <sup>1</sup>H NMR spectra of 8.



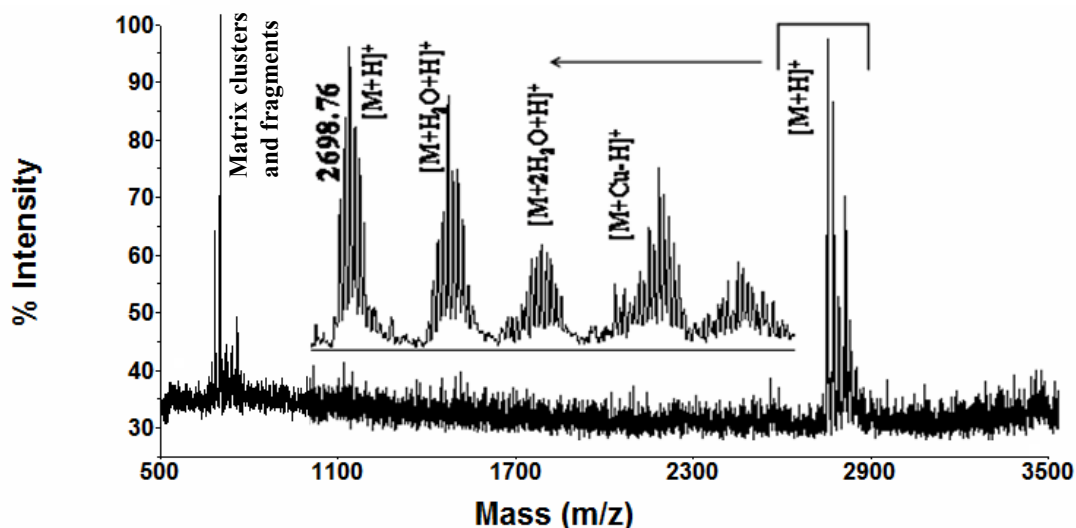
**Figure S6.** Positive ion and linear mode MALDI-TOF mass spectrum of **3** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.



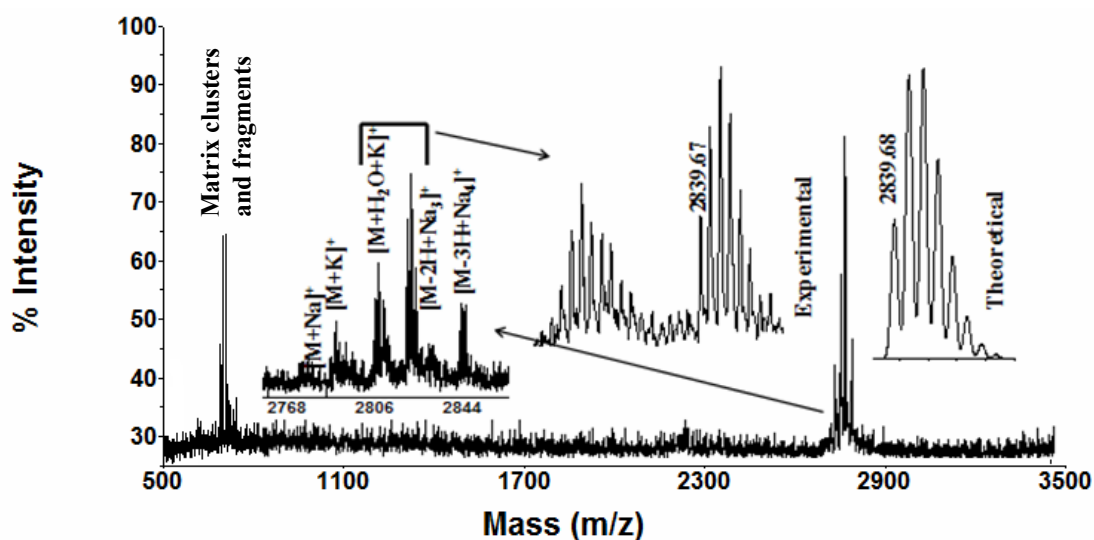
**Figure S7.** Positive ion and linear mode MALDI-TOF mass spectrum of **4** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.



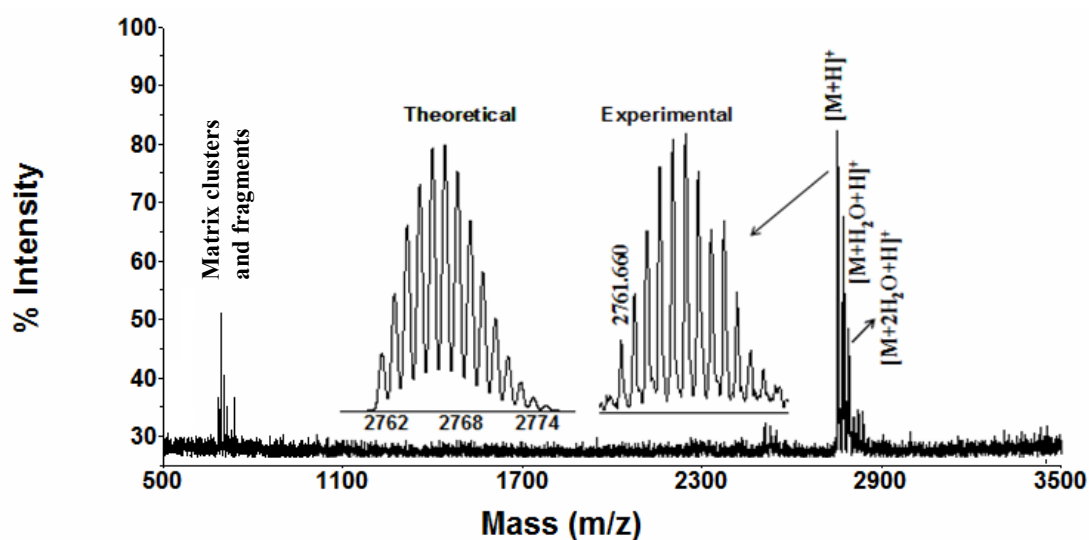
**Figure S8.** Positive ion and reflectron mode MALDI-TOF mass spectrum of **5** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.



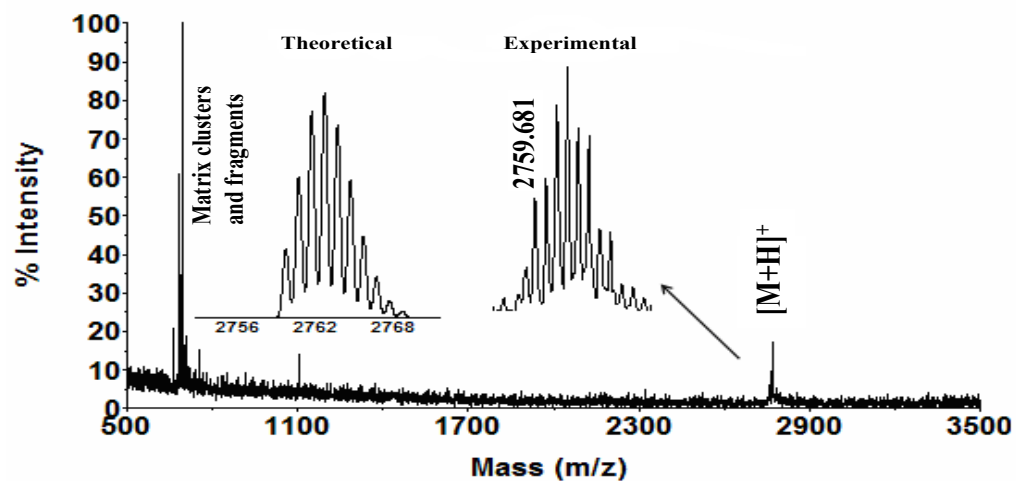
**Figure S9.** Positive ion and reflectron mode MALDI-TOF mass spectrum of **6** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots



**Figure S10.** Positive ion and reflectron mode MALDI-TOF mass spectrum of **7** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.



**Figure S11.** Positive ion and reflectron mode MALDI-TOF mass spectrum of **8** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.



**Figure S12.** Positive ion and reflectron mode MALDI-TOF mass spectrum of **9** in 2,5-dihydroxybenzoic acid MALDI matrix using nitrogen laser (at 337 nm wavelength) accumulating 100 laser shots.