Electronic Supplementary Material (ESI) for RSC Advances
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# Supporting Information

# A Mitochondria-Targeted Zinc(II) Phthalocyanine for Photodynamic Therapy

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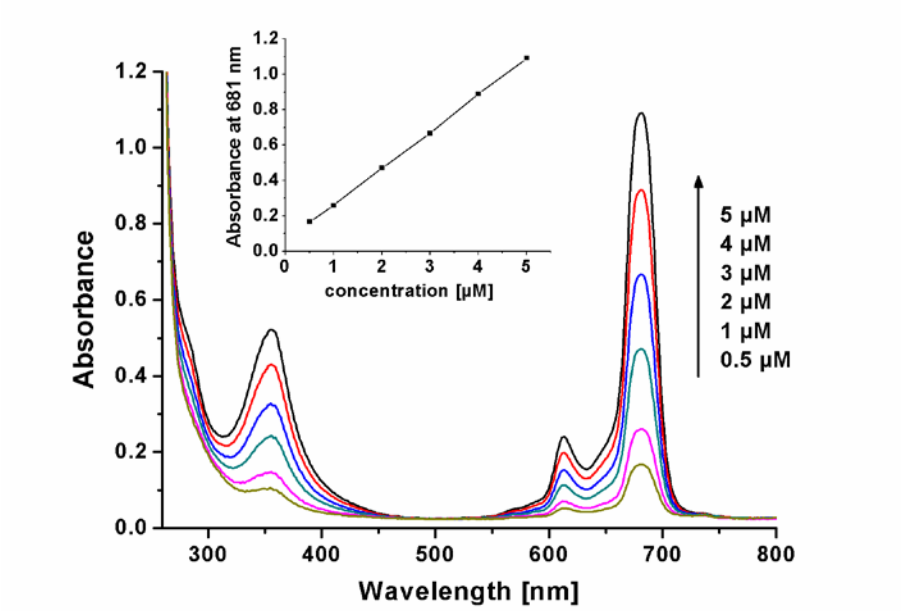


**Figure S1**. UV-Vis absorption spectra of ZnPc1 in DMSO at different concentrations. The inset plots the absorbance at 681 nm versus the concentration of ZnPc1.

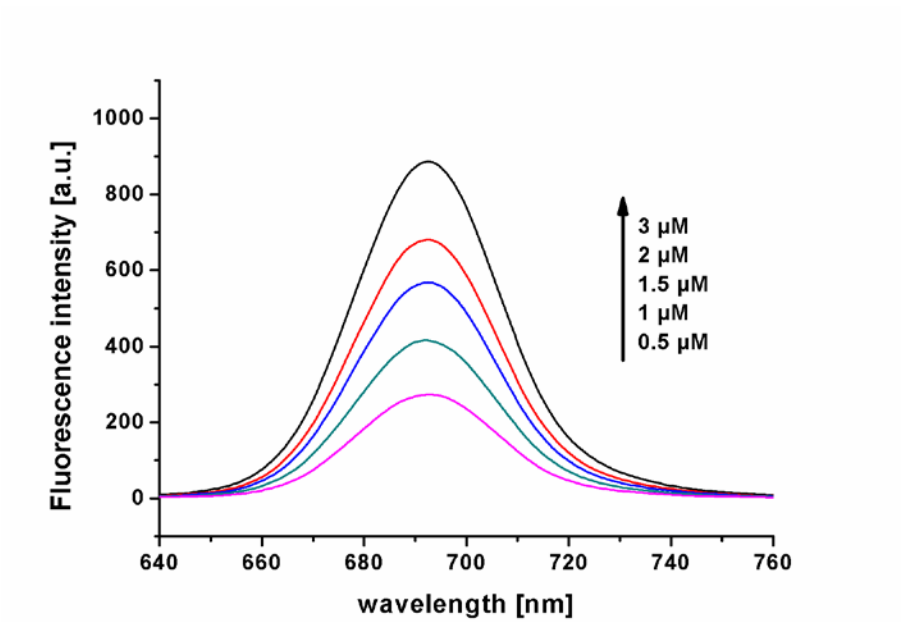


**Figure S2**. Fluorescence spectra ($\lambda_{exc}$ = 613 nm) of ZnPc1 in DMSO at different concentrations.

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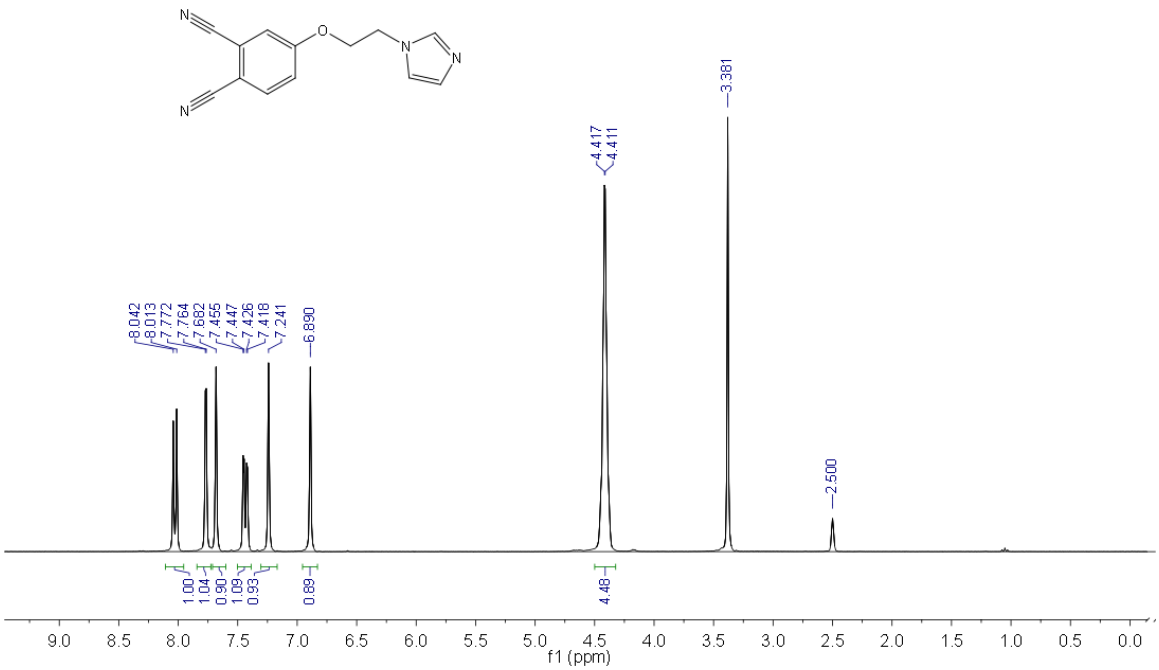


**Figure S3**. $^{1}$H NMR spectrum of 2 in DMSO-$d_6$.

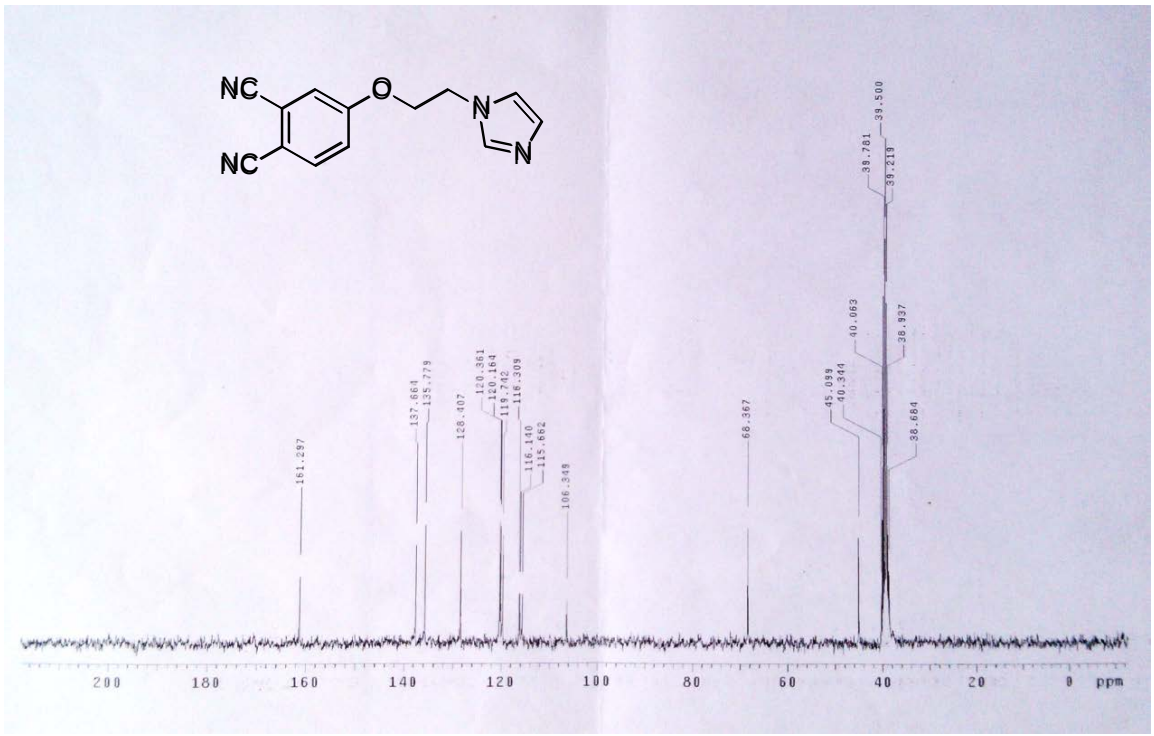


**Figure S4**. $^{13}$C NMR spectrum of 2 in DMSO-$d_6$.

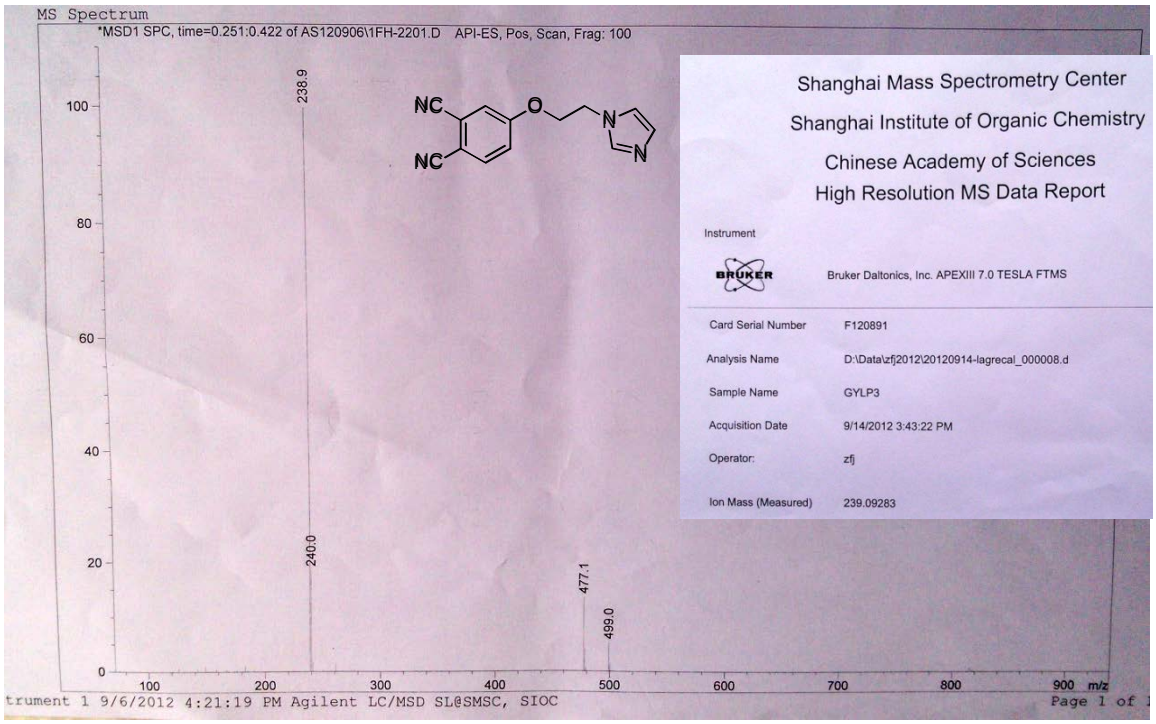


**Figure S5**. MS and HRMS spectrum of 2.

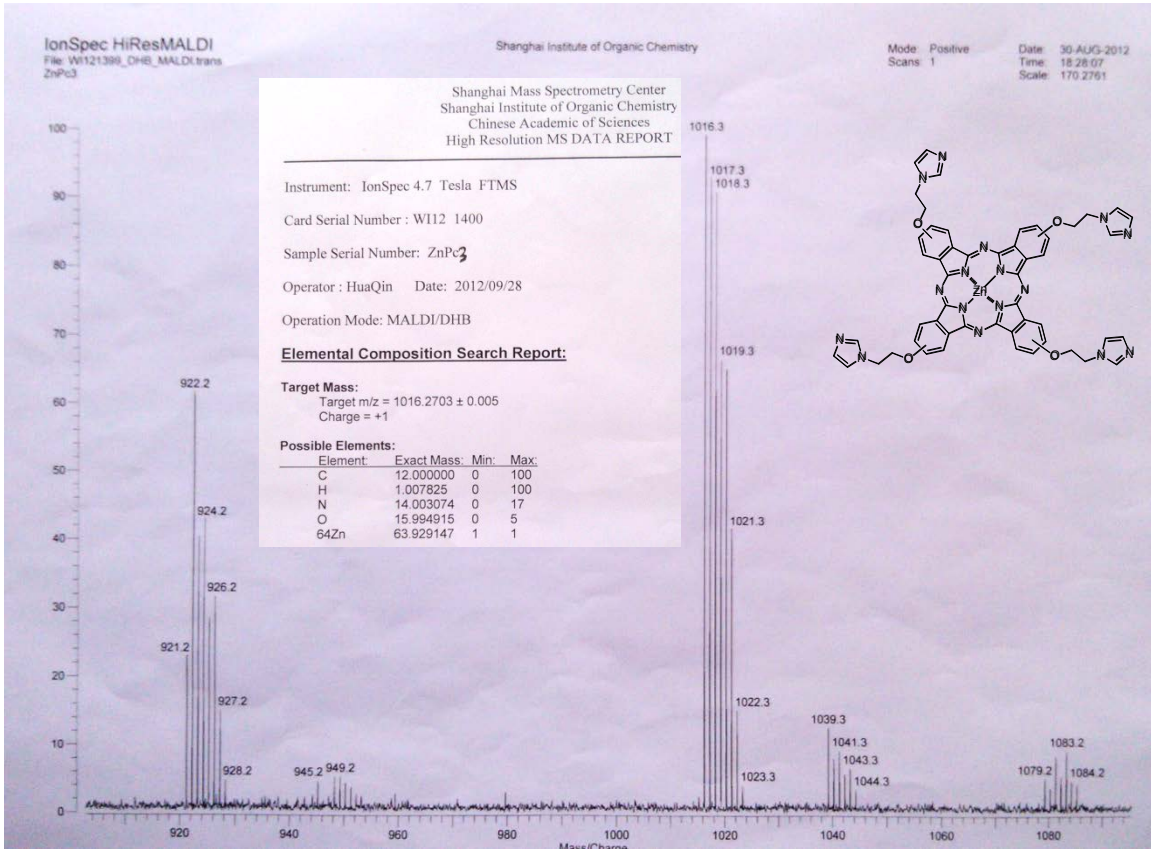


**Figure S6**. MS and HRMS spectrum of 3

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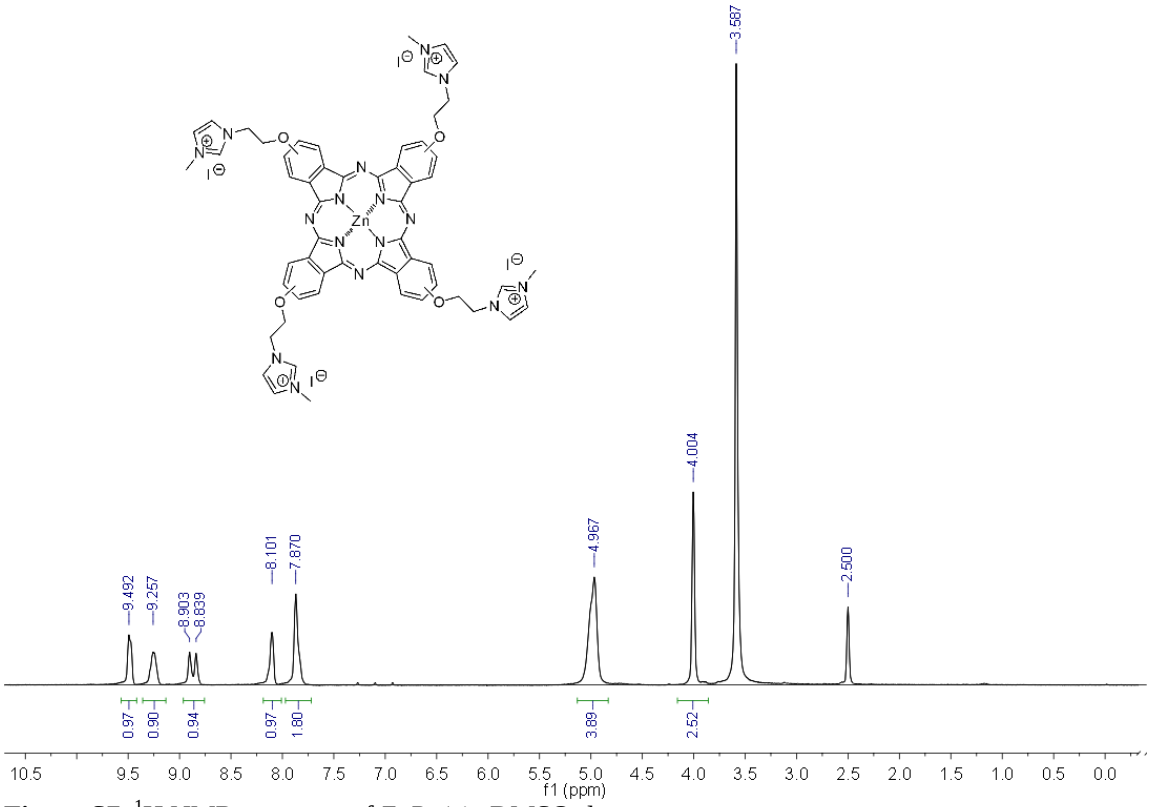


**Figure S7**. $^{1}$H NMR spectrum of ZnPc1 in DMSO-$d_6$.

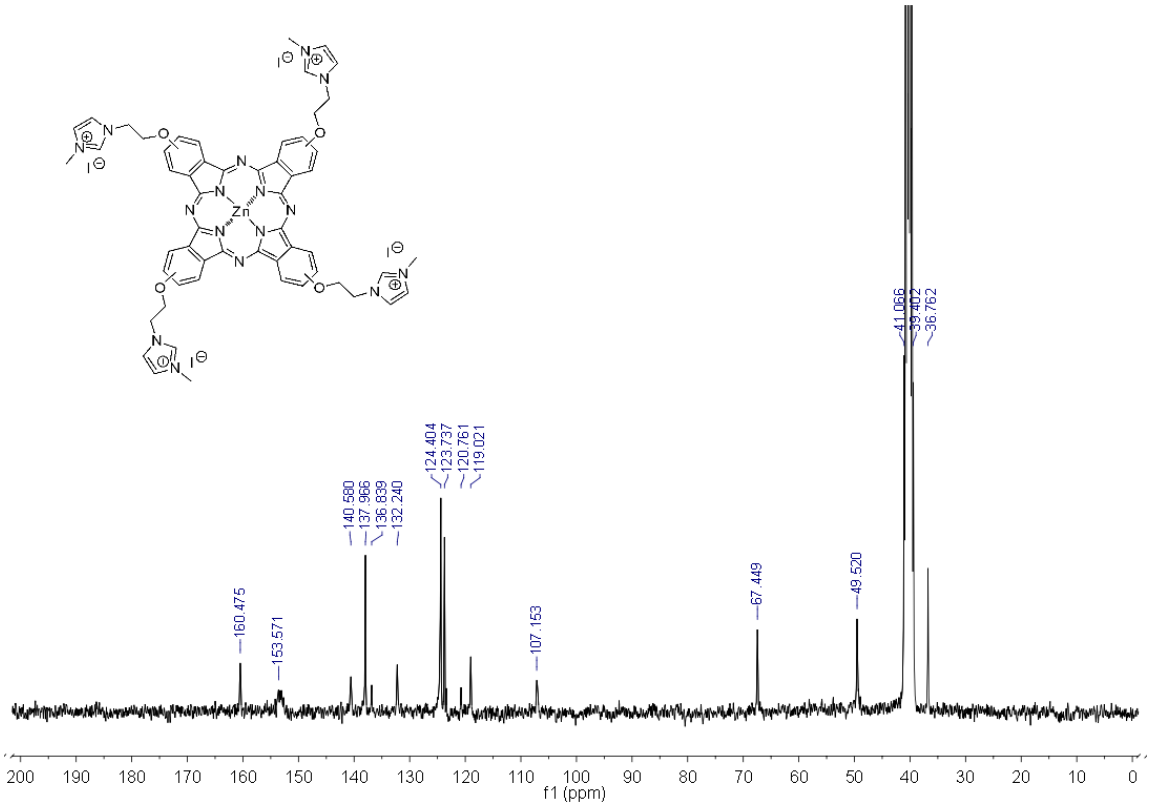


**Figure S8**. $^{13}$C NMR spectrum of ZnPc1 in DMSO-$d_6$.

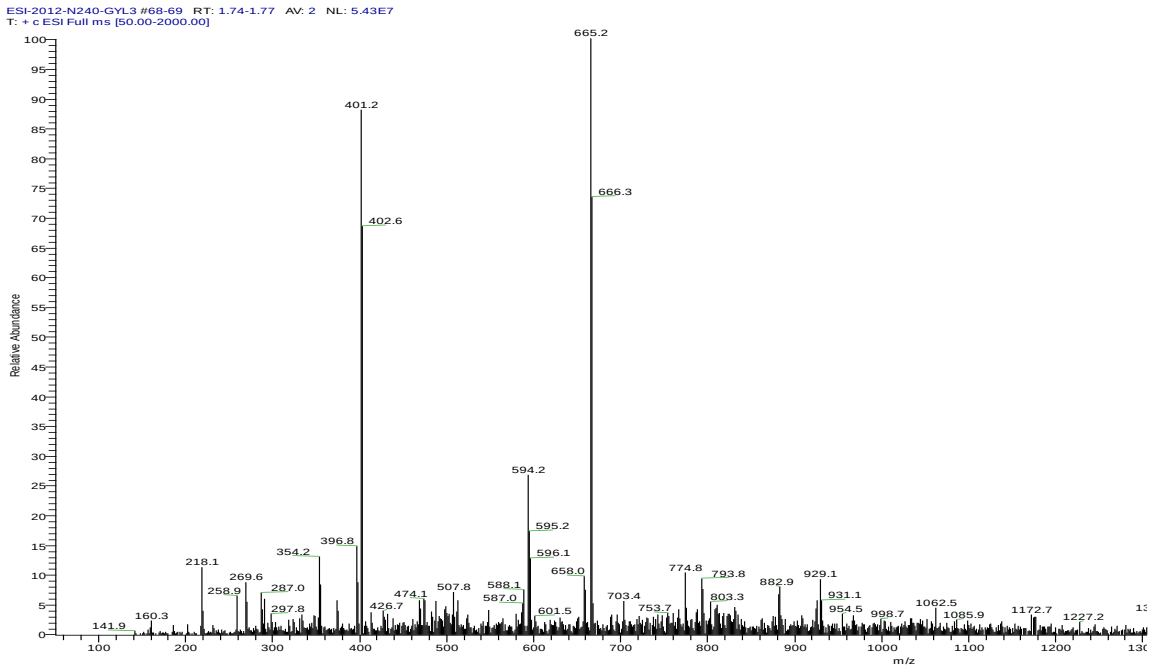


**Figure S9**. ESI-MS spectrum of ZnPc1

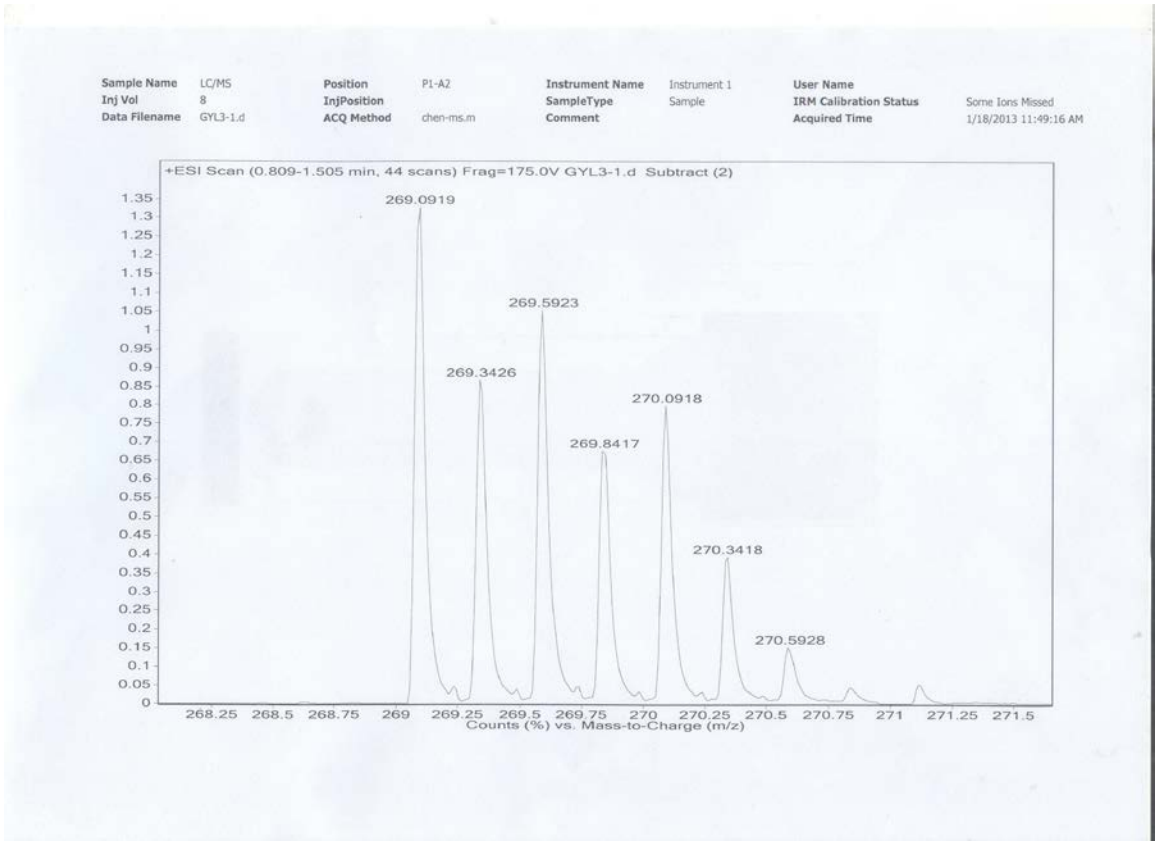


**Figure S10**. HRMS (ESI) spectrum of ZnPc1