

## Electronic Supporting Information

### Self-assembled triphenylamine-based fluorescent chemosensor for selectively detection of Fe<sup>3+</sup> and Cu<sup>2+</sup> ions in aqueous solution

Li Wengfeng, Ma Hengchang<sup>\*a</sup>, Lu cong, Ma Yuan, Qi Chunxuan, Zhang Zhongwei, Yang Zengming, Cao Haiying, Lei ziqiang<sup>\*b</sup>

Key Laboratory of Eco-Environment-Related Polymer Materials of Ministry of Education, College of Chemistry and Chemical Engineering, Northwest Normal University, Lanzhou 730070, Gansu, China

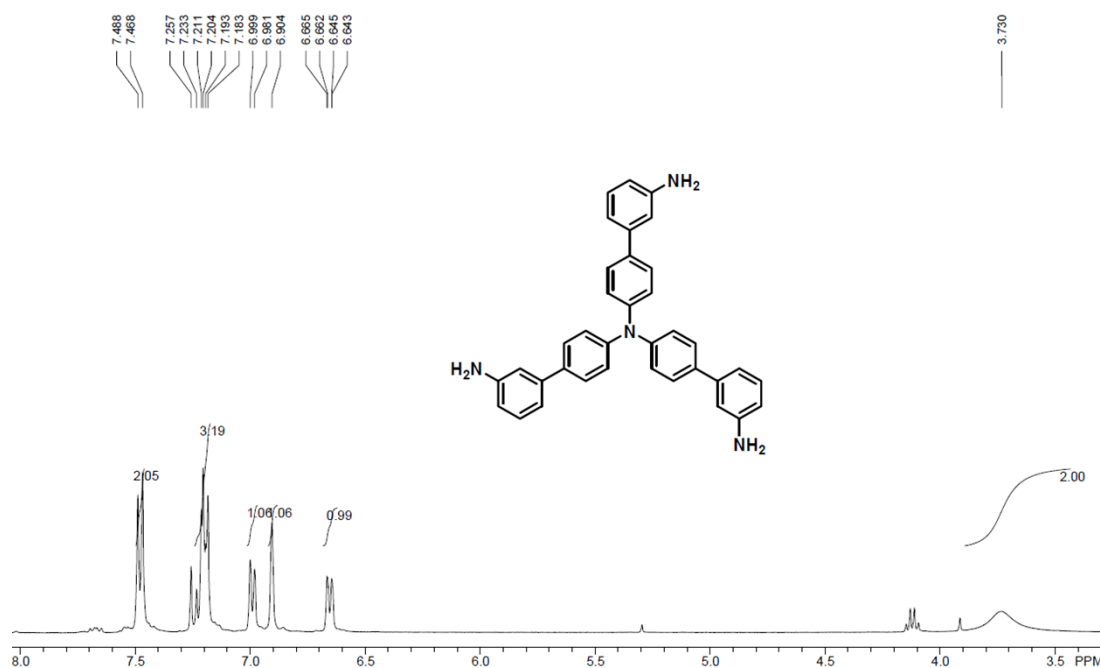
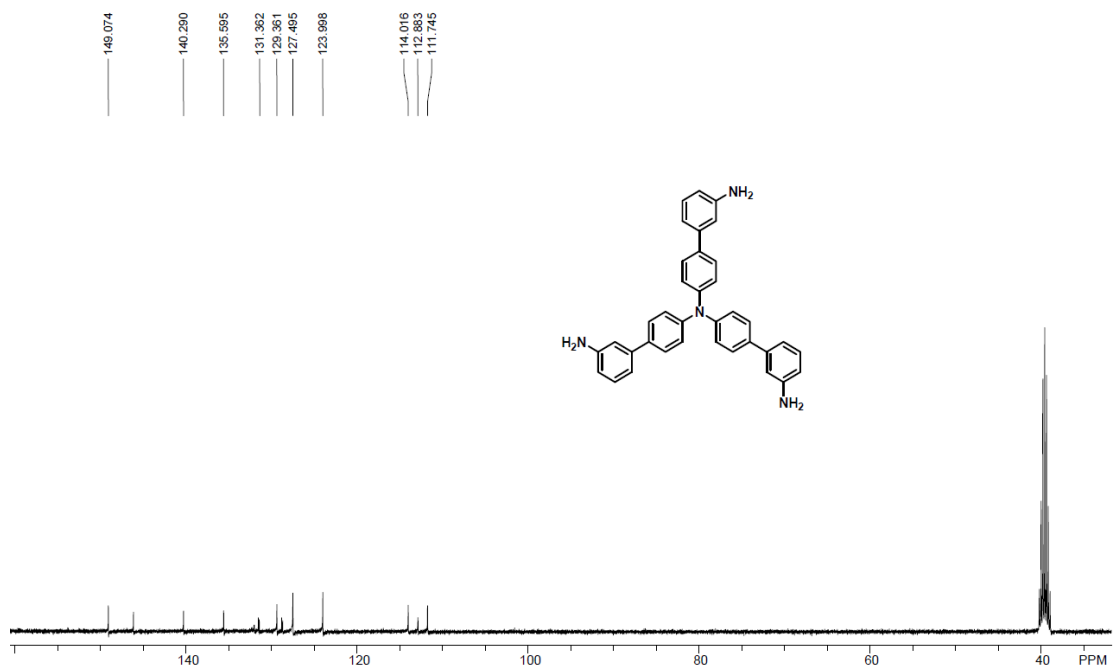


Fig. 1. <sup>1</sup>H NMR spectrum of *m*-TAPA.

<sup>\*a</sup> Key Laboratory of Eco-Environment-Related Polymer Materials of Ministry of Education, College of Chemistry and Chemical Engineering, Northwest Normal University, Lanzhou 730070, Gansu, China. E-mail: mahczju@hotmail.com

<sup>\*b</sup> Key Laboratory of Eco-Environment-Related Polymer Materials of Ministry of Education, College of Chemistry and Chemical Engineering, Northwest Normal University, Lanzhou 730070, Gansu, China. E-mail: leizq@nwnu.edu.cn



**Fig. 2.** <sup>13</sup>CNMR spectrum of *m*-TAPA.