

Electronic Supplementary Information

Direct fluorescent quantification of sulfadiazine from quenching of novel functional monomer based molecularly imprinted polymer

Zhe Zhang^{1a}, Ming Li^{1a}, Feng Shen^b, Xueqin Ren^{a*}

College of Resources and Environmental Sciences, China Agricultural University, Beijing, P. R. China

E-mail: renxueqin@cau.edu.cn

Tel: 86-10-62733407

Fax: 86-10-62731016

1. Synthesis of AOMC

¹³C and MS spectra were shown in Fig. S1.

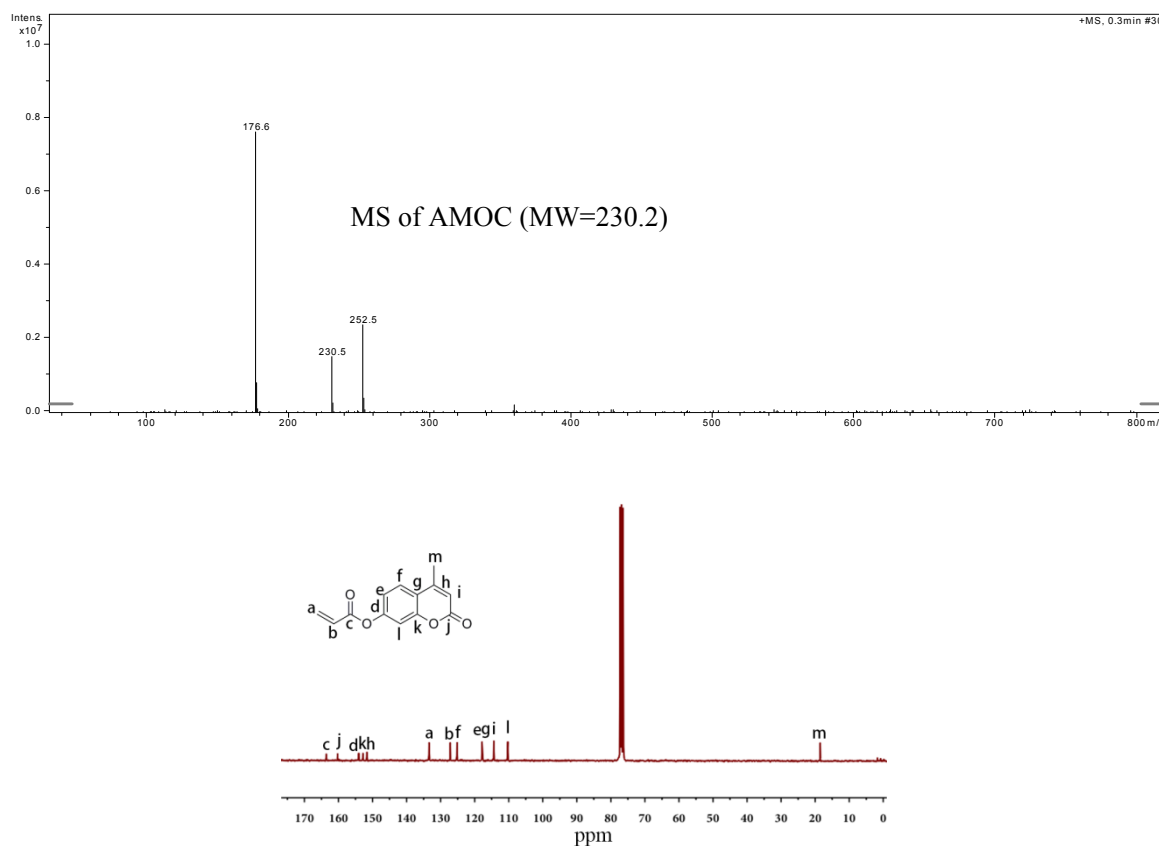


Fig.S1 MS and ¹³C spectra of AOMC

^{13}C NMR spectra (75 MHz) was recorded at room temperature in CDCl_3 on BRUKER DPX (Karlsruhe, Germany). ^{13}C NMR(75MHz, CDCl_3) δ 163.60 (s), 160.26(s), 154.04(s), 152.82(s), 151.67(s), 133.39(s), 127.16(s), 125.19(s), 117.77(d), 114.39(s), 110.26(s), 117.25(s), 77.25(s), 76.83(s), 76.40(s), 18.51(s).

MS spectra were recorded using a JEOL JMS-700 mass spectrometer.

2. Characteration of MIPs

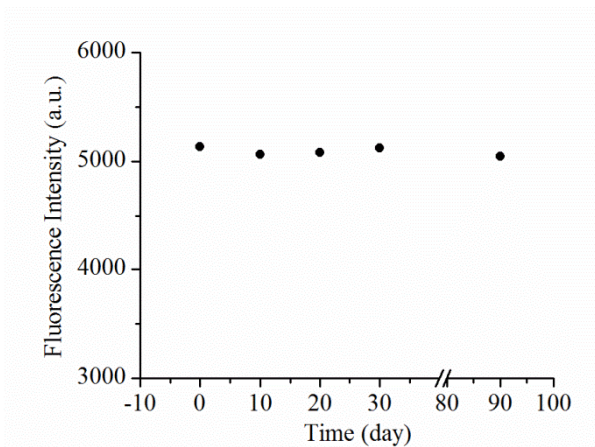


Fig. S2 Fluorescence shelf-life of AMOC.

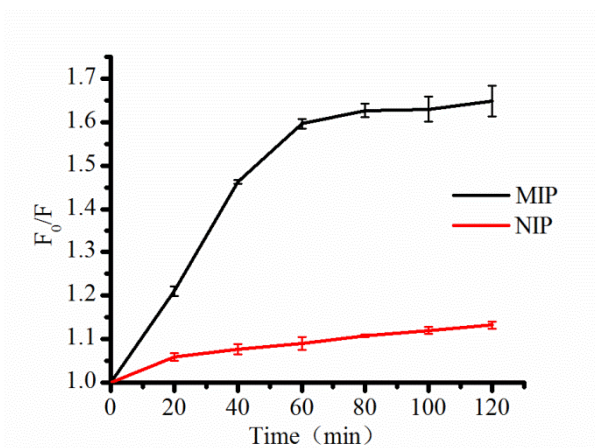


Fig. S3 Dynamic adsorption curves of the MIPs and NIPs for SDz.