SUPLEMENTARY INFORMATION

Functional fluorescent aramids: aromatic polyamides containing a dipicolinic acid derivative as luminescent converters and sensory materials for the fluorescence detection and quantification of Cr(VI), Fe(III) and Cu(II)

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SI1. NMR, mass, and FT-IR spectra of the intermediate and the monomer



Figure SI1. HRMS, ¹H and ¹³C NMR spectra of intermediate DPAMe (NMR solvent = $CDCl_3$).



Figure SI2. HRMS, FT-IR, and ¹H NMR spectra of monomer DPAD (NMR solvent = $CDCl_3$).



SI2. FT-IR, ¹H and ¹³C NMR spectra of copolymers



Figure SI3. FT-IR, ¹H and ¹³C NMR spectra of copolymer I, II, and III (NMR solvent = $DMSO_{d_6}$).