Supplementary Materials: Novel Magnet-Responsive Chemosensory Electrospinning Fluorescent Nanofibers and Their Multifunctional Sensing Capability for pH, Temperature, and Metal Ions

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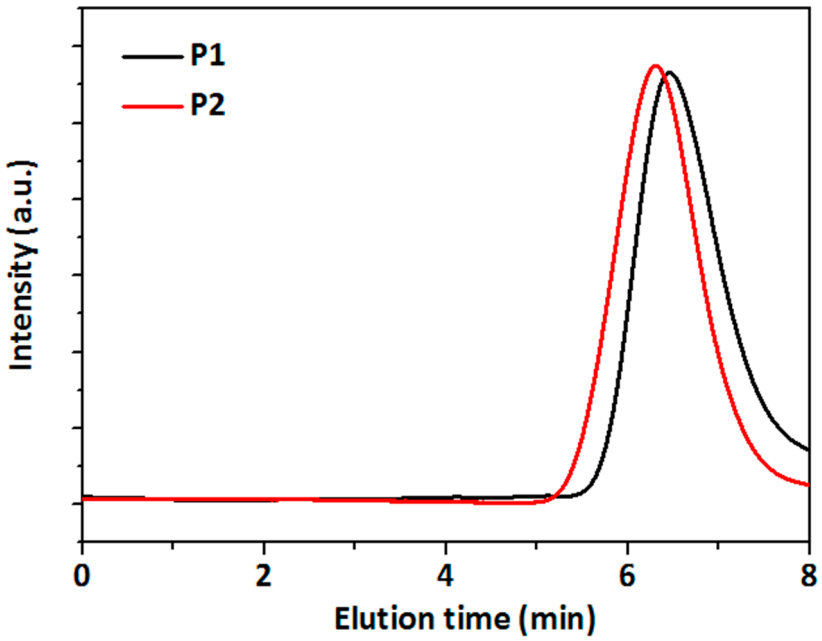

Figure S1. GPC profiles of **P1** and **P2** copolymers.

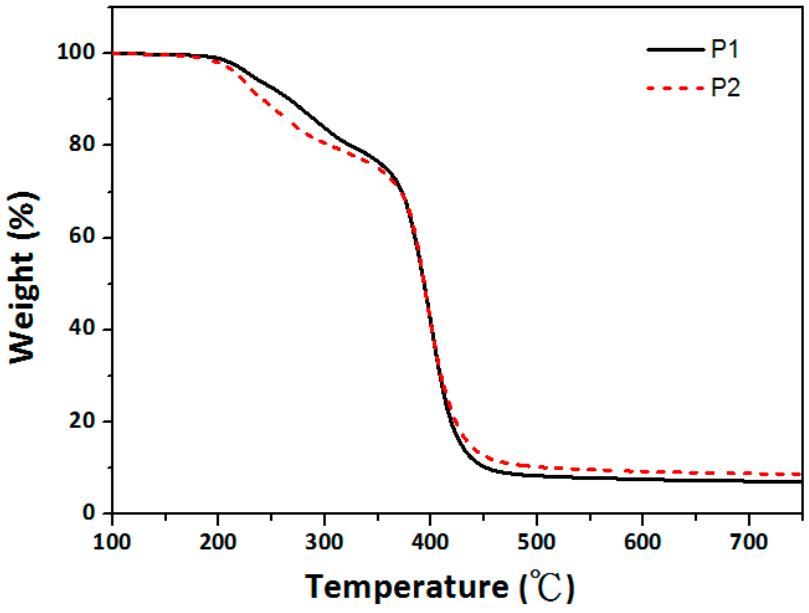

Figure S2. TGA curves of **P1** and **P2** copolymers with a heating rate of 10 °C min^{-1} in a nitrogen atmosphere.

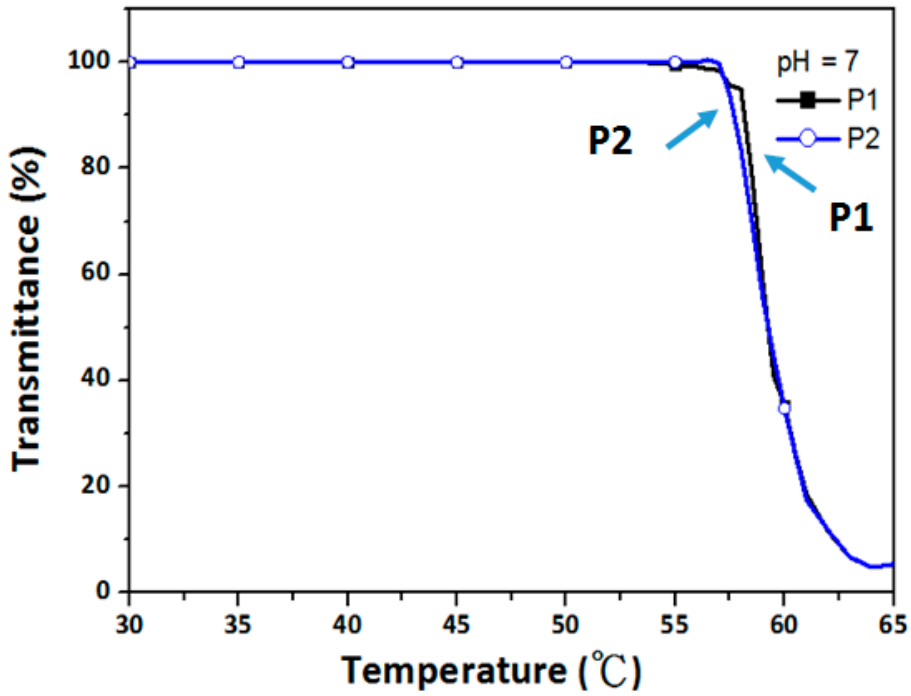

Figure S3. Variations in optical transmittance of **P1** and **P2** in pH 7 water solutions with temperatures between 30 and 65 °C.

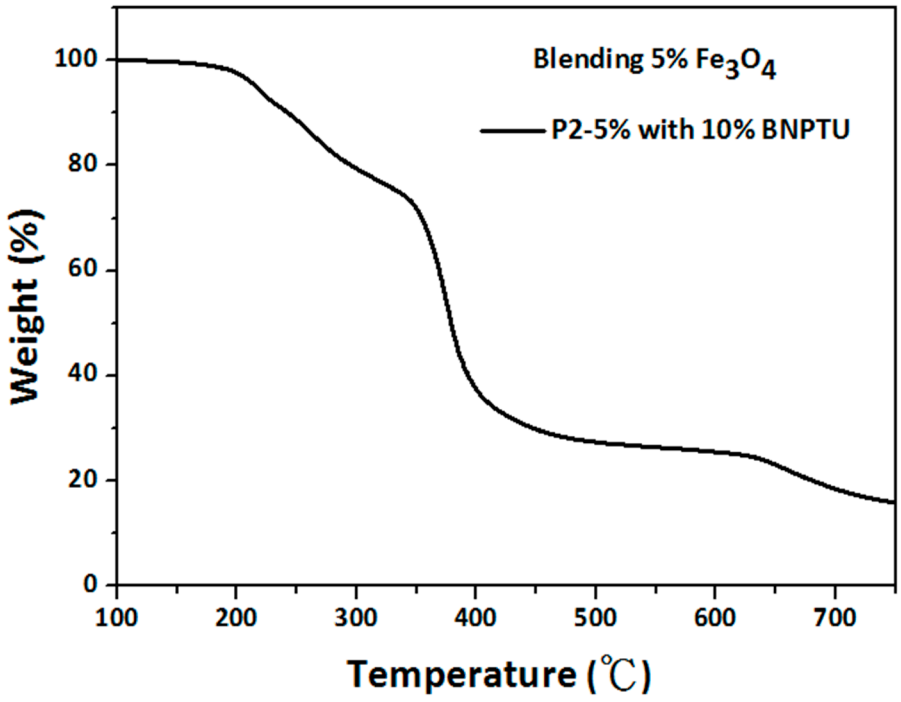

Figure S4. TGA curves of **P2-5%** blended with 5 wt% Fe_3O_4 NP nanofibers with a heating rate of 10 $^{o}C\ min^{-1}$ in a nitrogen atmosphere.

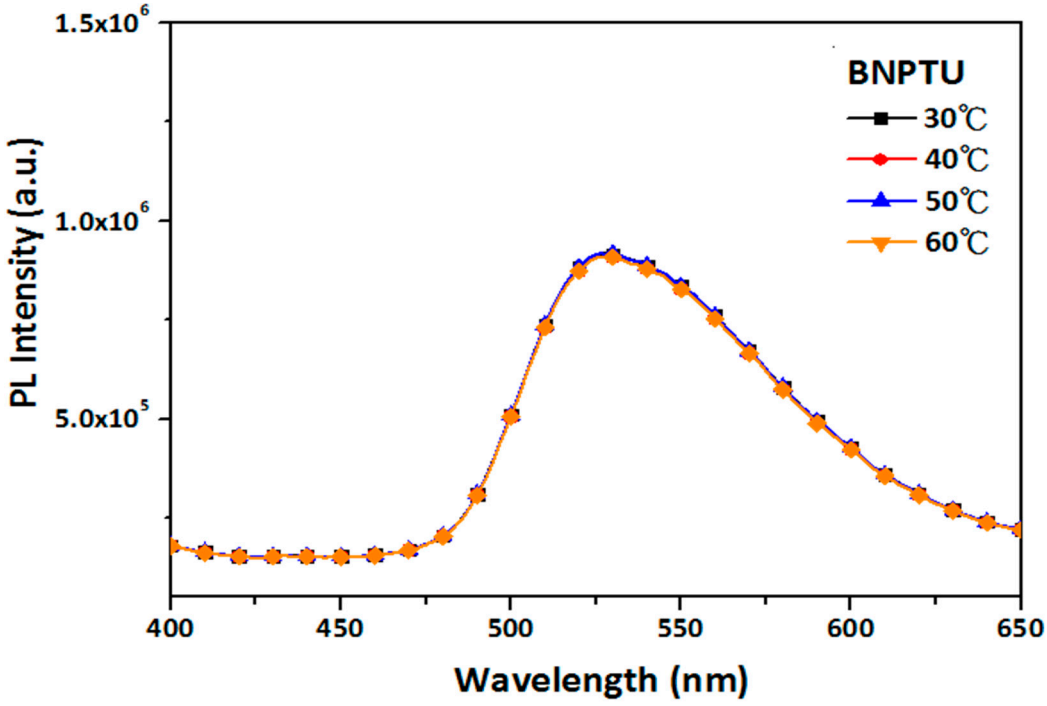

Figure S5. PL intensity of pristine BNPTU compound under a temperature increase from 30 to 60 °C.

Table S1. Time-dependent solution conductivity of the prepared Hg^{2+} solution.

Time (min)	Conductivity (μS/cm)
0	131.2
5	124.5
10	112.8
15	118.3
20	101.4