Electronic Supplementary Information

Colored Single-Chain Polymeric Nanoparticles via Intramolecular Copper Phthalocyanines Formation

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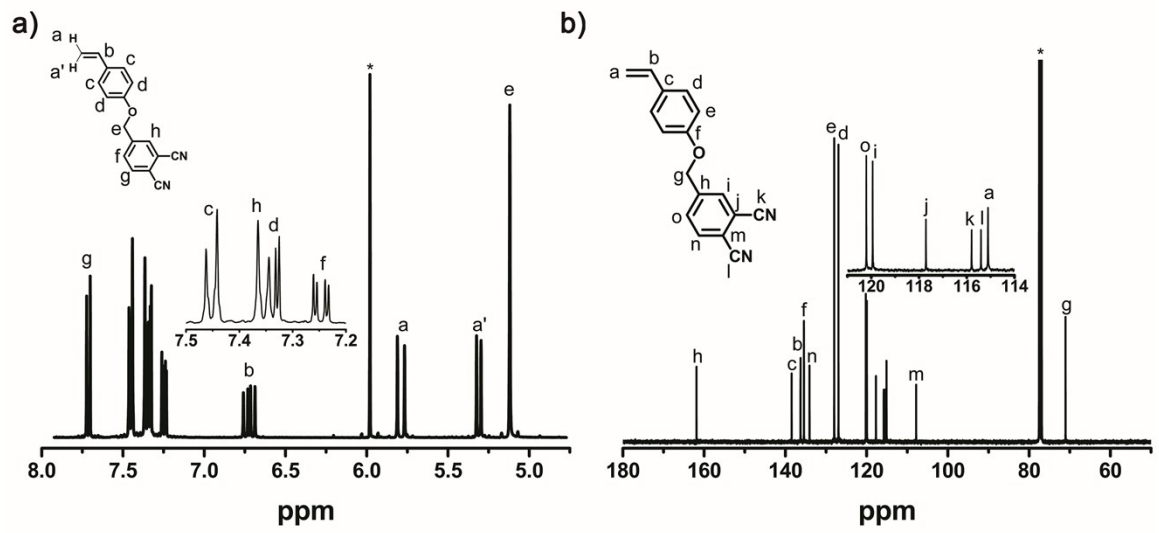

Figure S1. ^{1}H NMR (a) and ^{13}C NMR spectra (b) of 4-((4-vinylbenzyl)oxy)phthalonitrile.

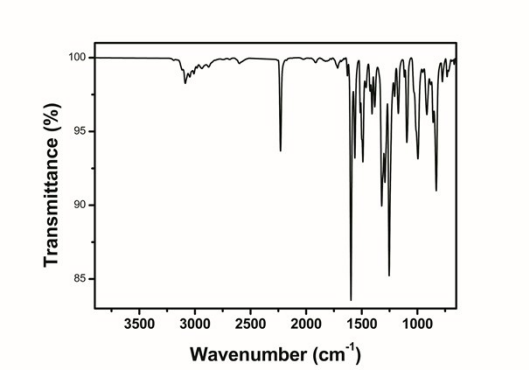

Figure S2. FT-IR spectrum of 4-((4-vinylbenzyl)oxy)phthalonitrile.

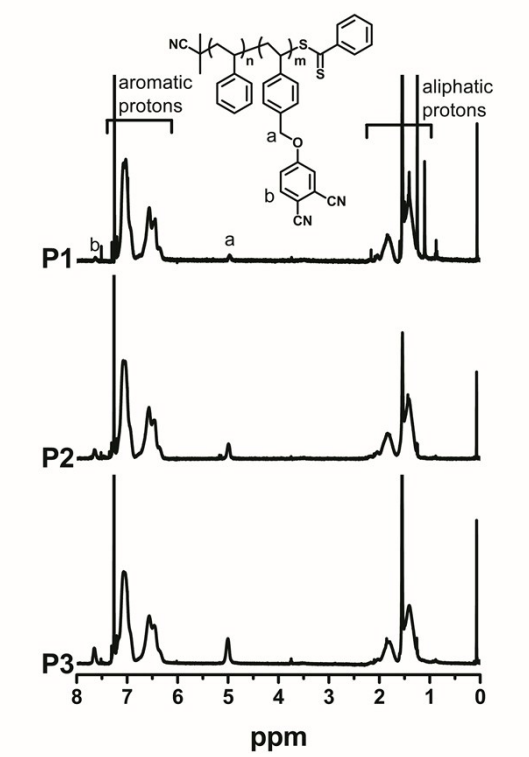

Figure S3. ^{1}H NMR spectra of polystyrene-co-poly[4-((4-vinylbenzyl)oxy)phthalonitrile] (**P1**-**P3**).

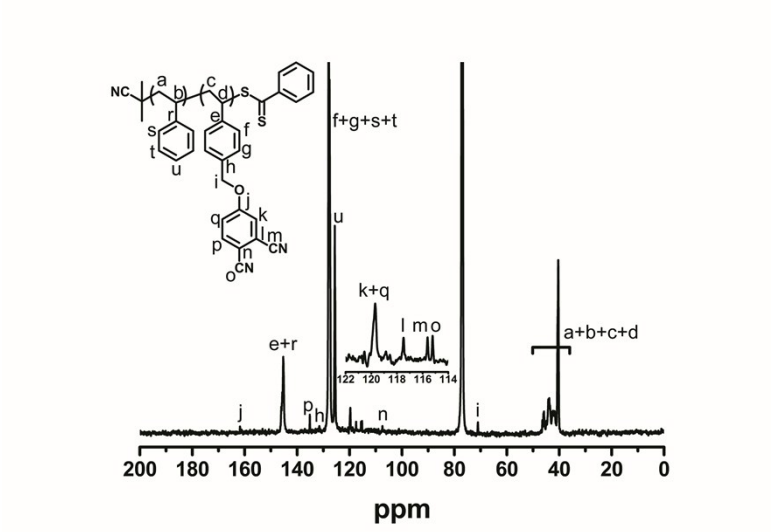

Figure S4. ^{13}C NMR spectrum of polystyrene-co-poly[4-((4-vinylbenzyl)oxy)phthalonitrile] (**P1**).

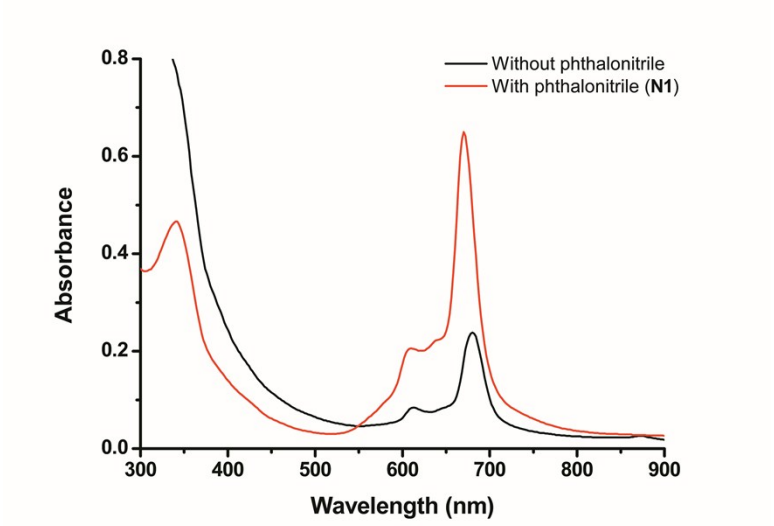

Figure S5. UV/Vis spectra of SCPNs synthesized without phthalonitrile (black line) and with phthalonitrile (red line, **N1**). SCPN (black line) was prepared from pSt-*co*-pVBOP with 3 mol% of VBOP (M_n = 43200, M_p = 50200, PDI = 1.107). Concentration of each sample was 2.1 X 10^{-6} M.

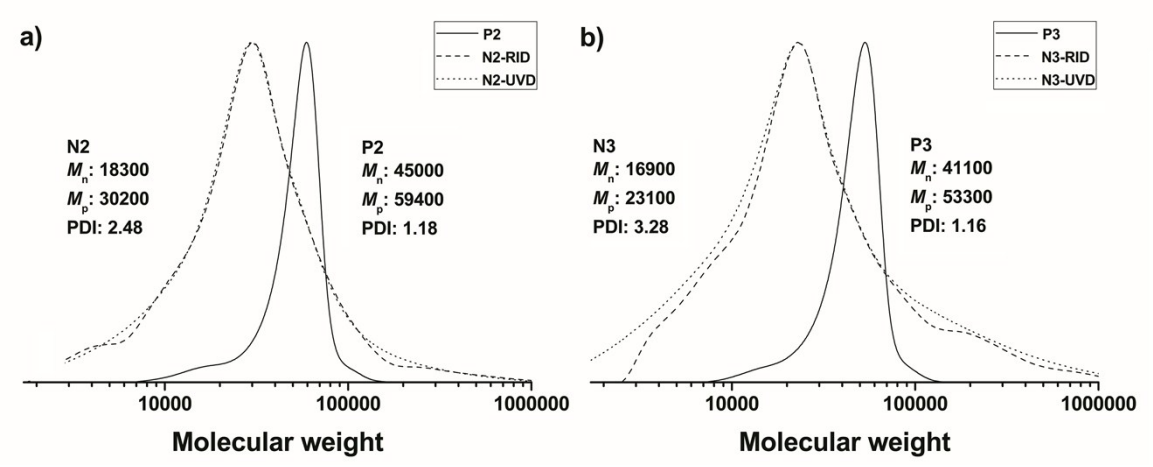

Figure S6. GPC traces of linear precursor copolymers and their nanoparticles; a) **P2** and **N2** and b) **P3** and **N3**.

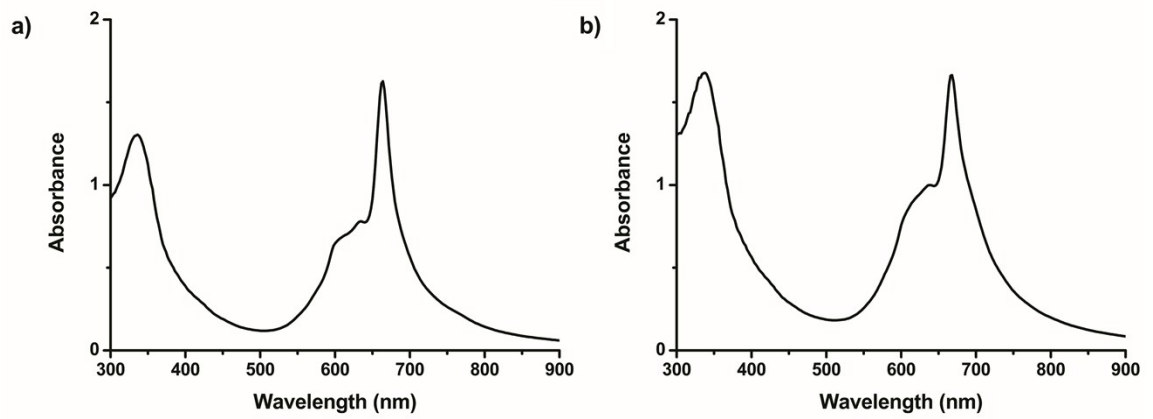

Figure S7. UV/Vis spectra of **N2** (a) and **N3** (b).