

Supporting information

For

Molecular Design and Synthesis of Bithiophene Copolymers for Advanced Nonlinear Optical Response

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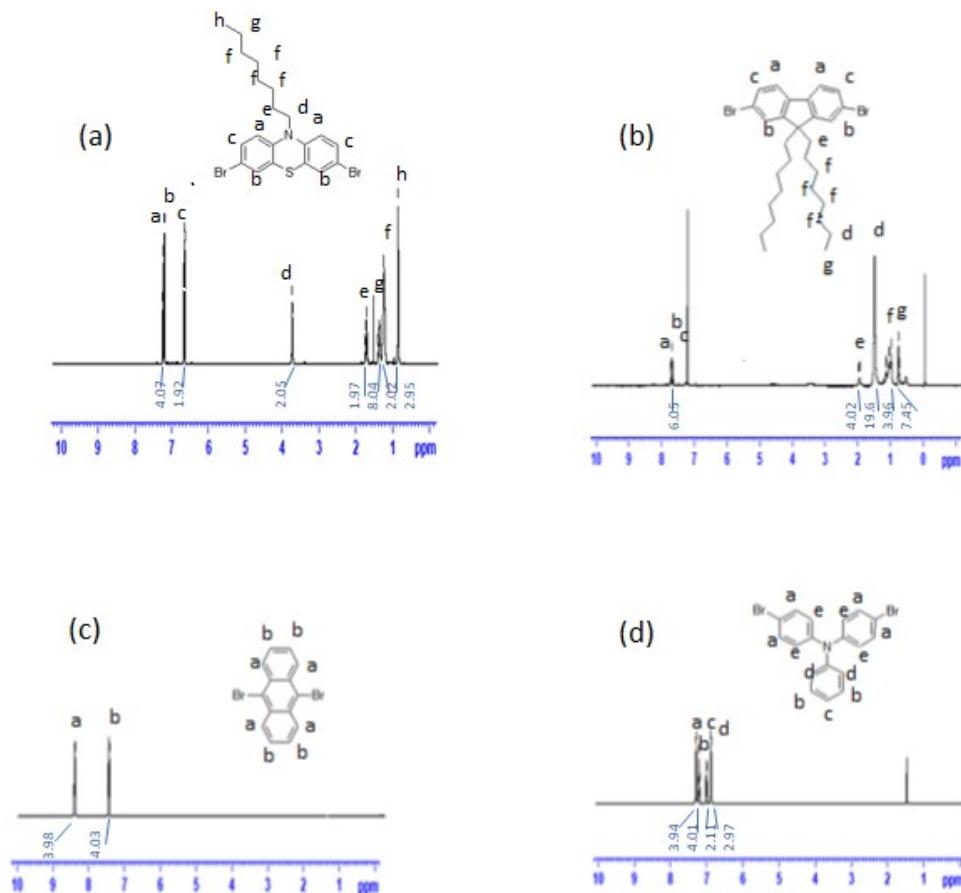


Fig. S1. ^1H NMR spectra of monomers (a) 3,7-dibromo-10-octylphenothiazine (PH), (b) 2,7-dibromo-9,9-dioctyl-9H-fluorene (FLN), (c) 9,10-dibromoanthracene (ANT) and (d) 4,4'-dibromotriphenylamine (TPA)

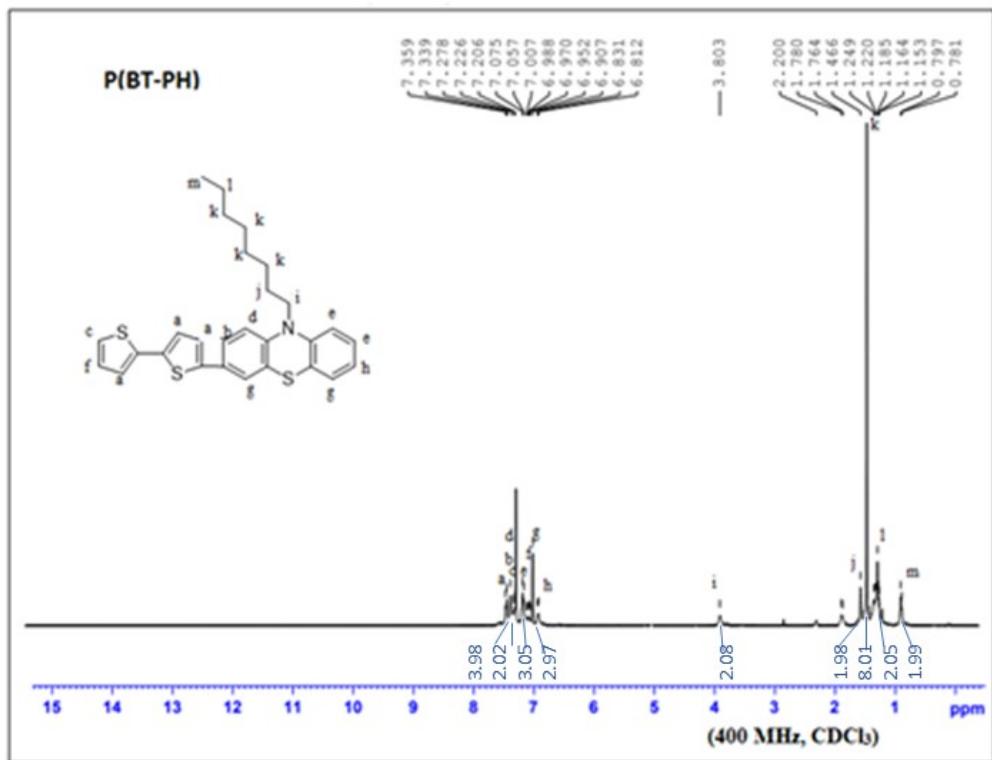


Fig. S2. ^1H NMR spectra of P(BT-PH)

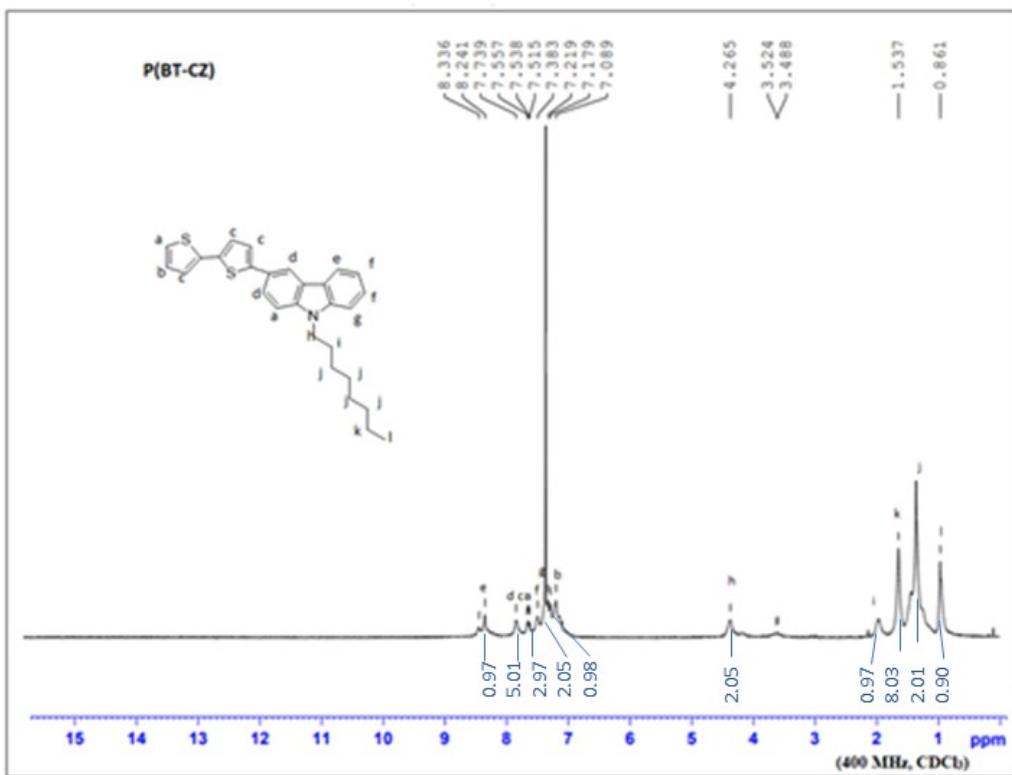


Fig. S3. ^1H NMR spectra of P(BT-CZ)

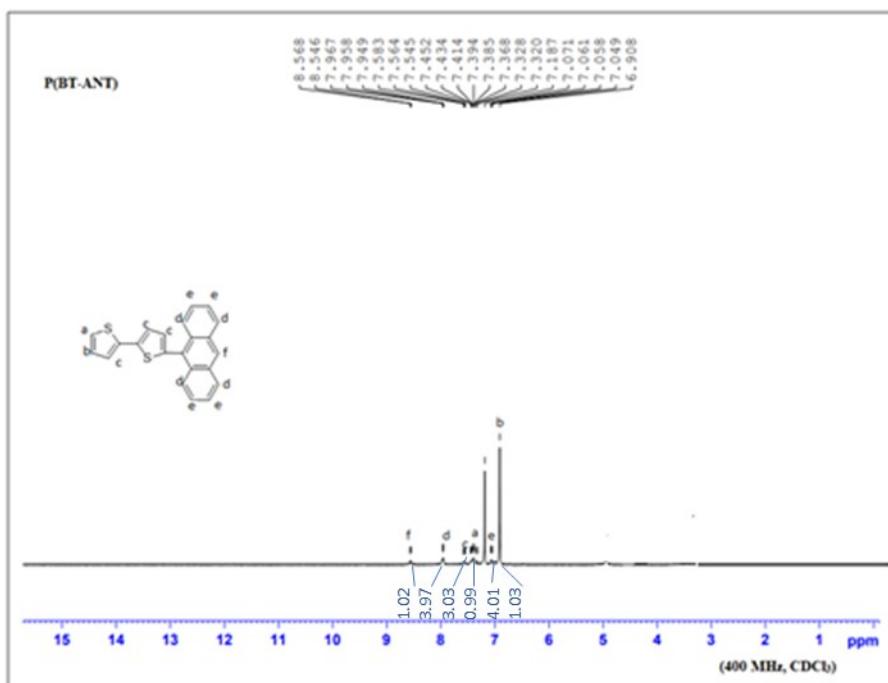


Fig. S4. ^1H NMR spectra of P(BT-ANT)

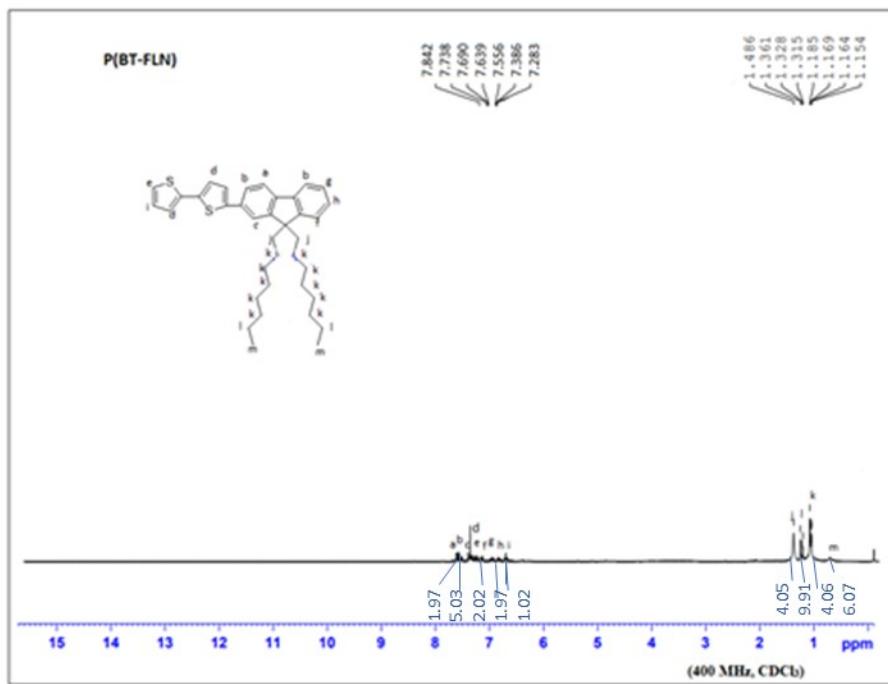


Fig. S5. ^1H NMR spectra of P(BT-FLN)

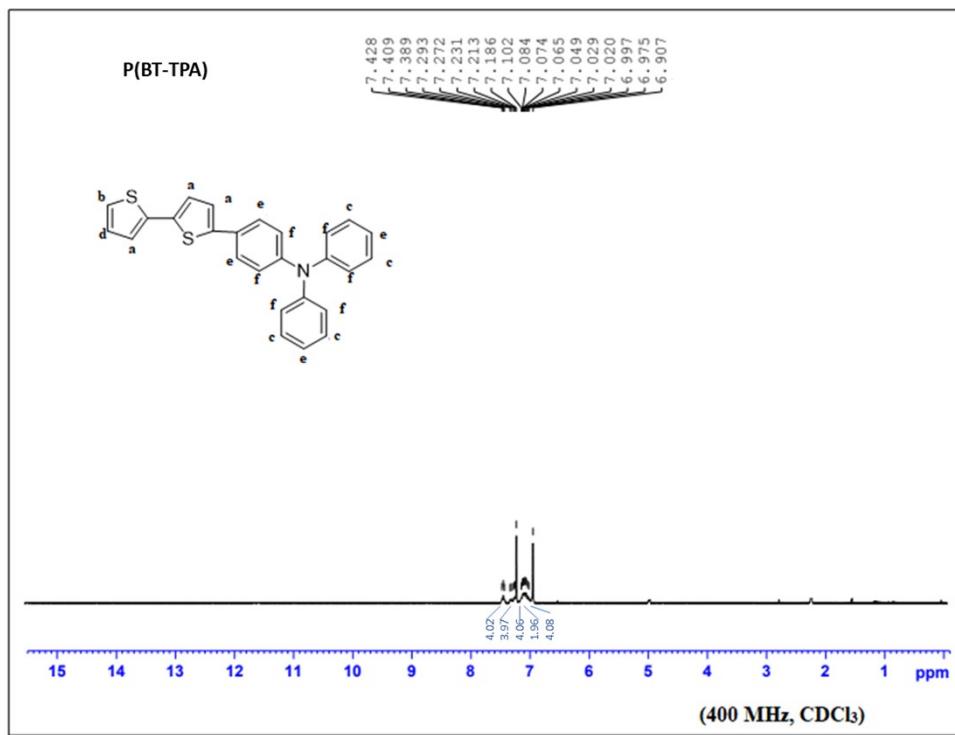


Fig. S6. ¹H NMR spectra of P(BT-TPA)

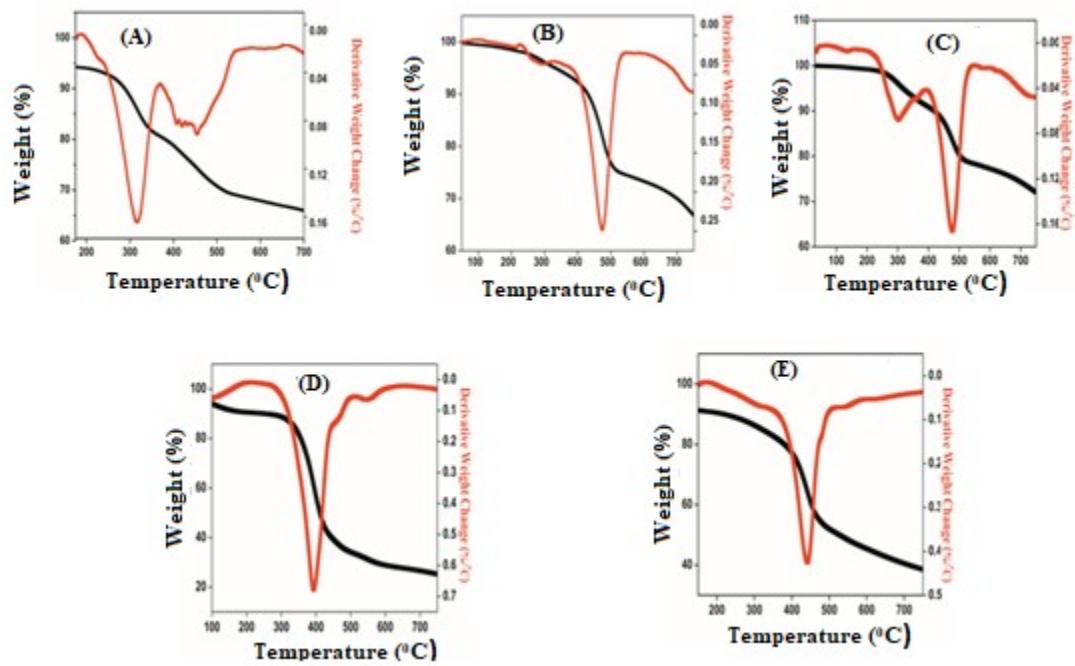


Fig. S7: TG-DTG traces of the copolymers P(BT-PH), P(BT-CZ), P(BT-FLN), P(BT-ANT) and P(BT-TPA)