

Supporting Information

Synthesis and Study of Low-Bandgap Polymers Containing the Diazapentalene and Diketopyrrolopyrrole Chromophores for Potential Use in Solar Cells and Near-Infrared Photodetectors

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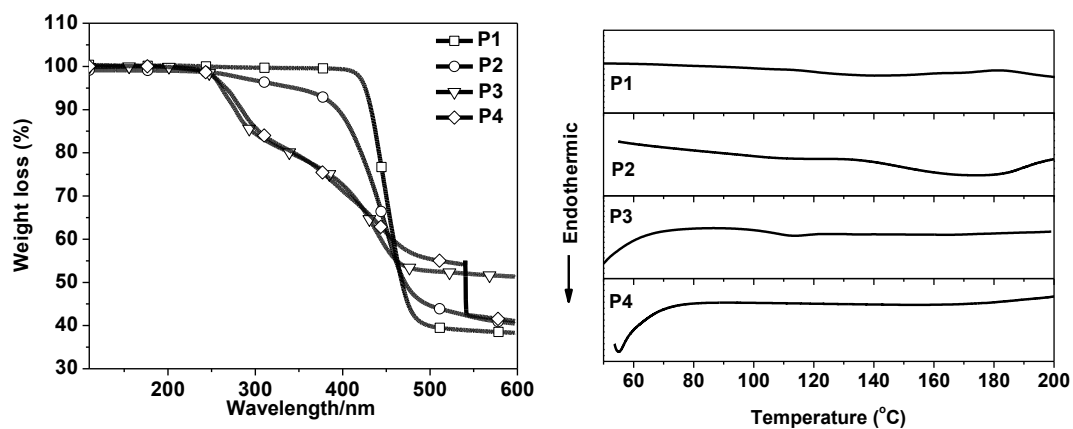


Figure S1. TGA (left) and DSC (right) traces of copolymers **P1-P4** with a heating rate of $10\text{ }^{\circ}\text{C min}^{-1}$ under argon. DSC traces were taken from the second DSC scans.

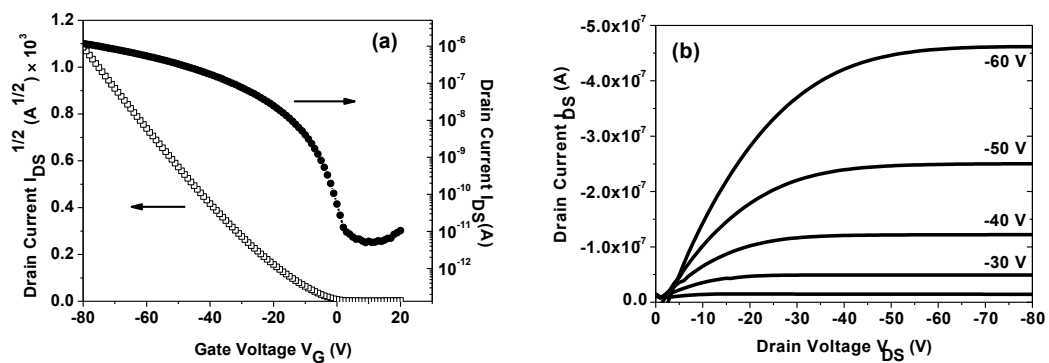
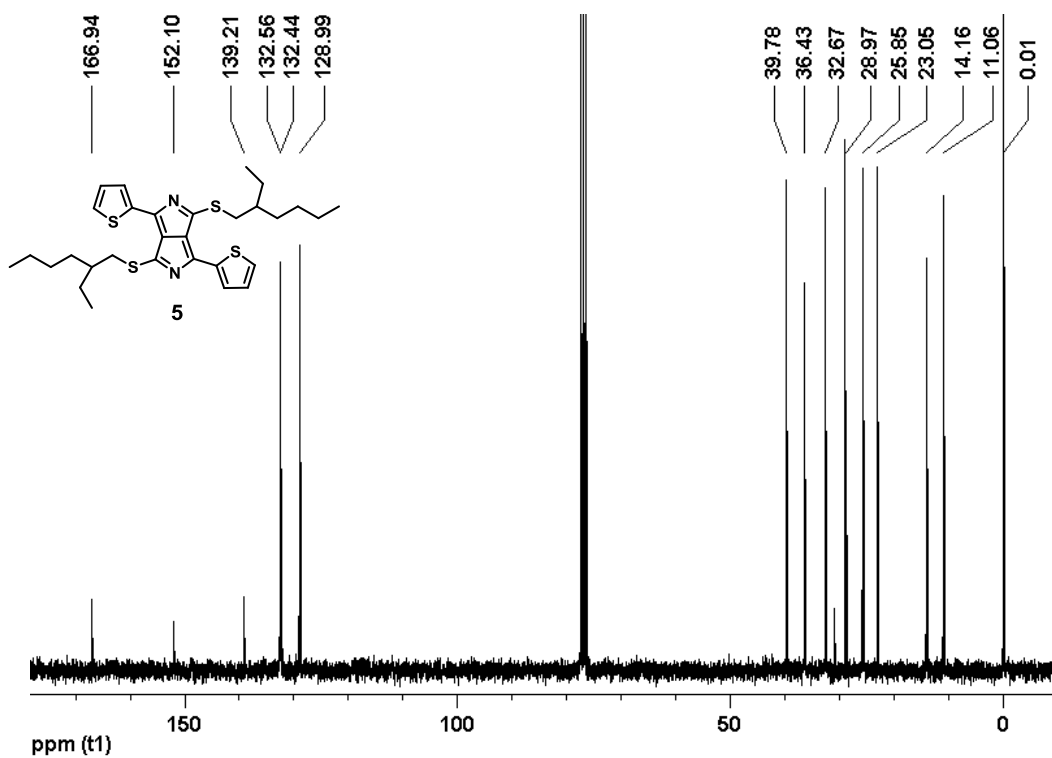
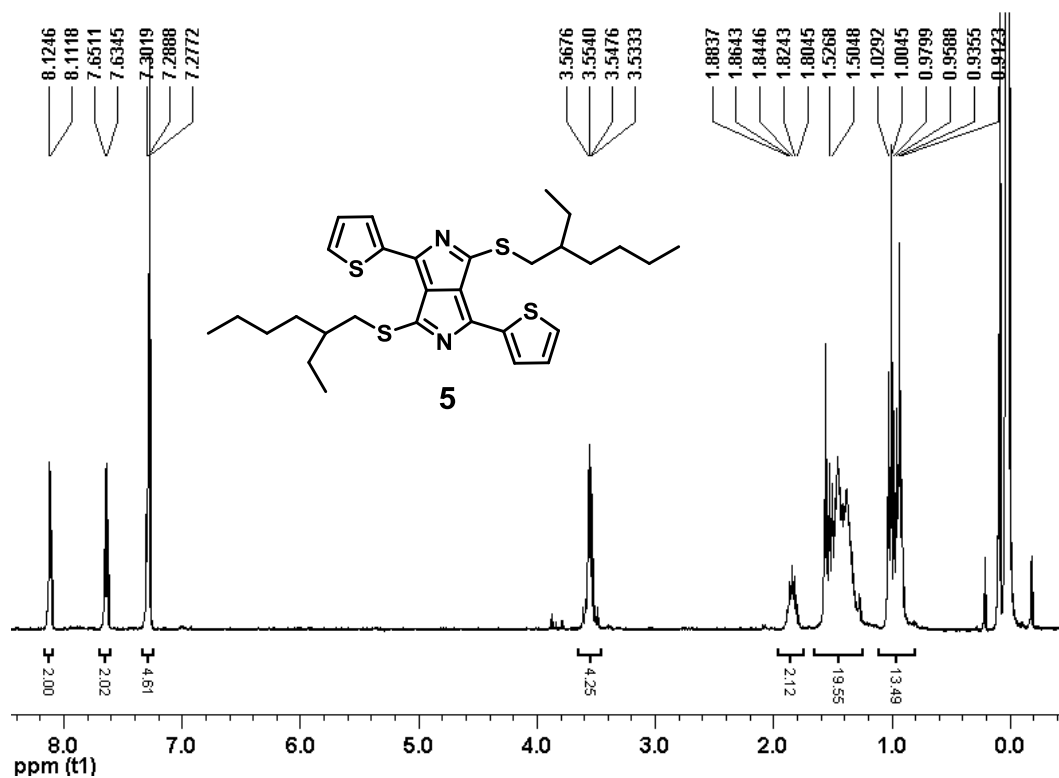
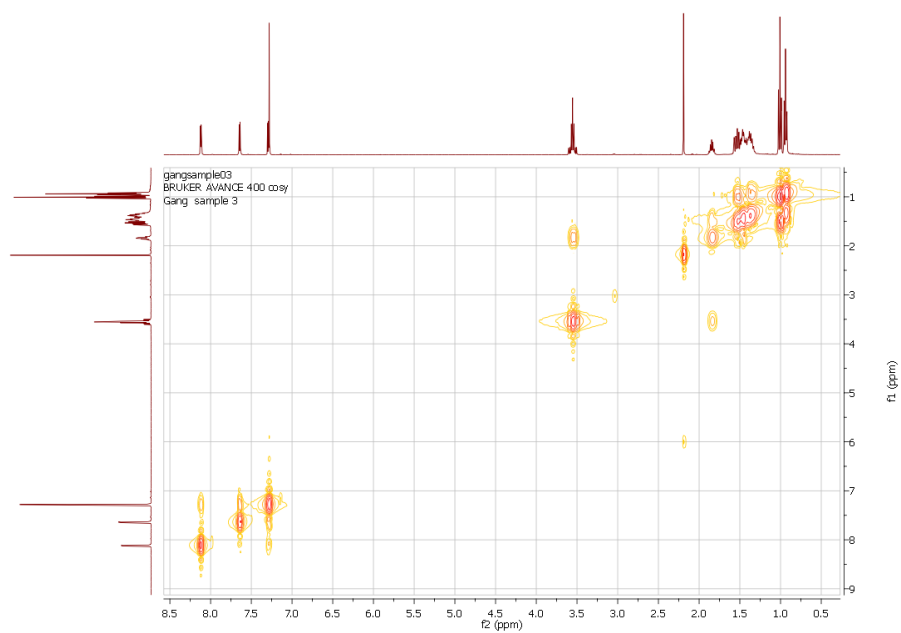
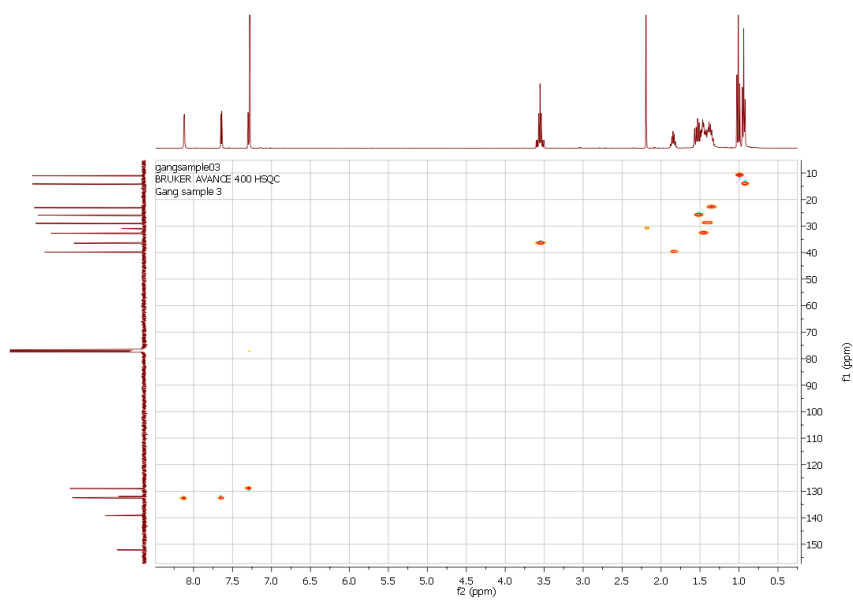


Figure S2. Characteristics of OTFT based on **P2**. (a) Output curves and (b) transfer curves of the devices.

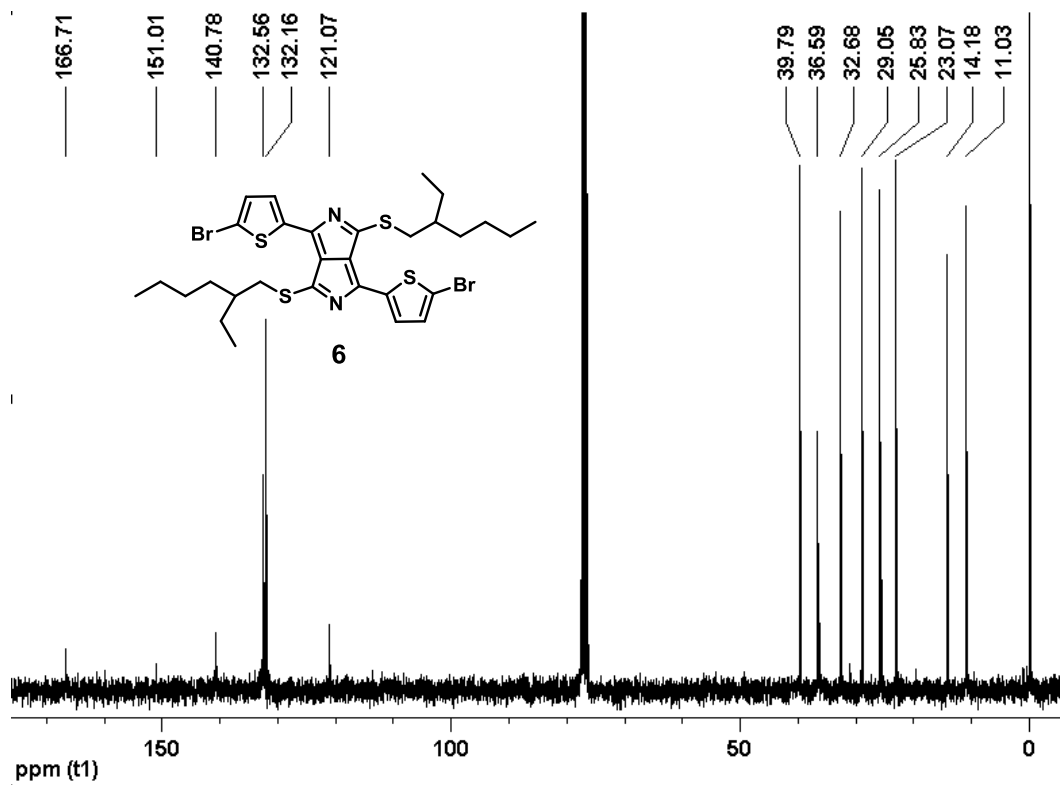
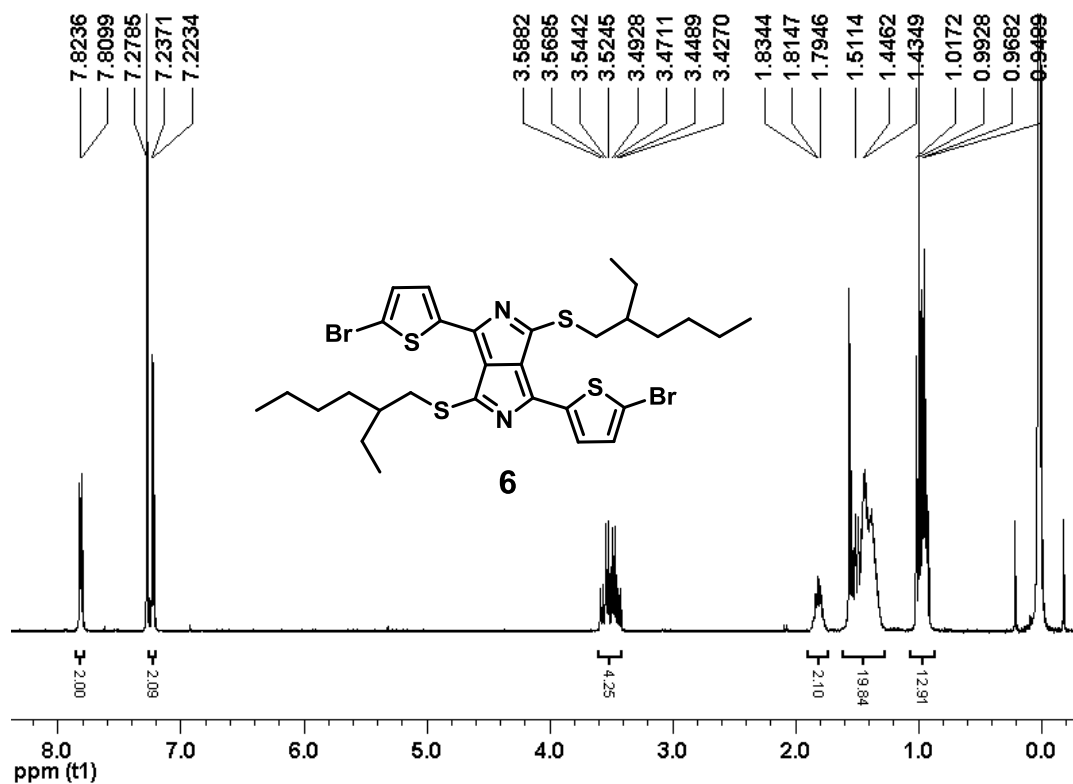


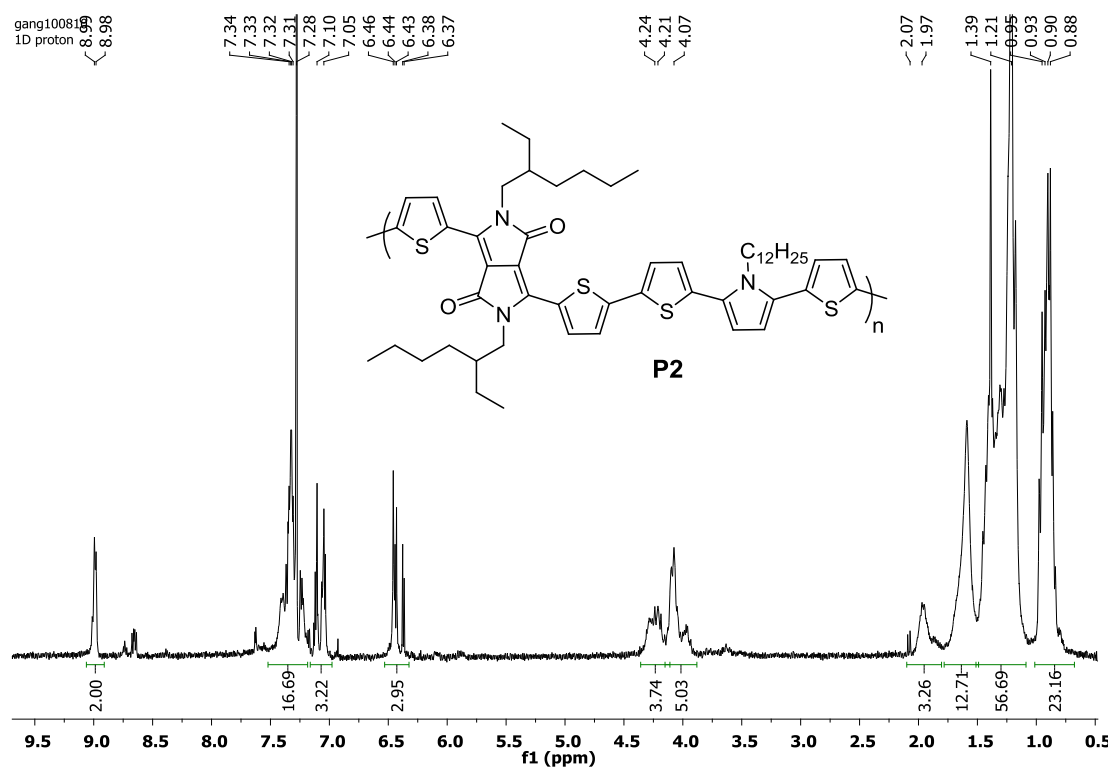
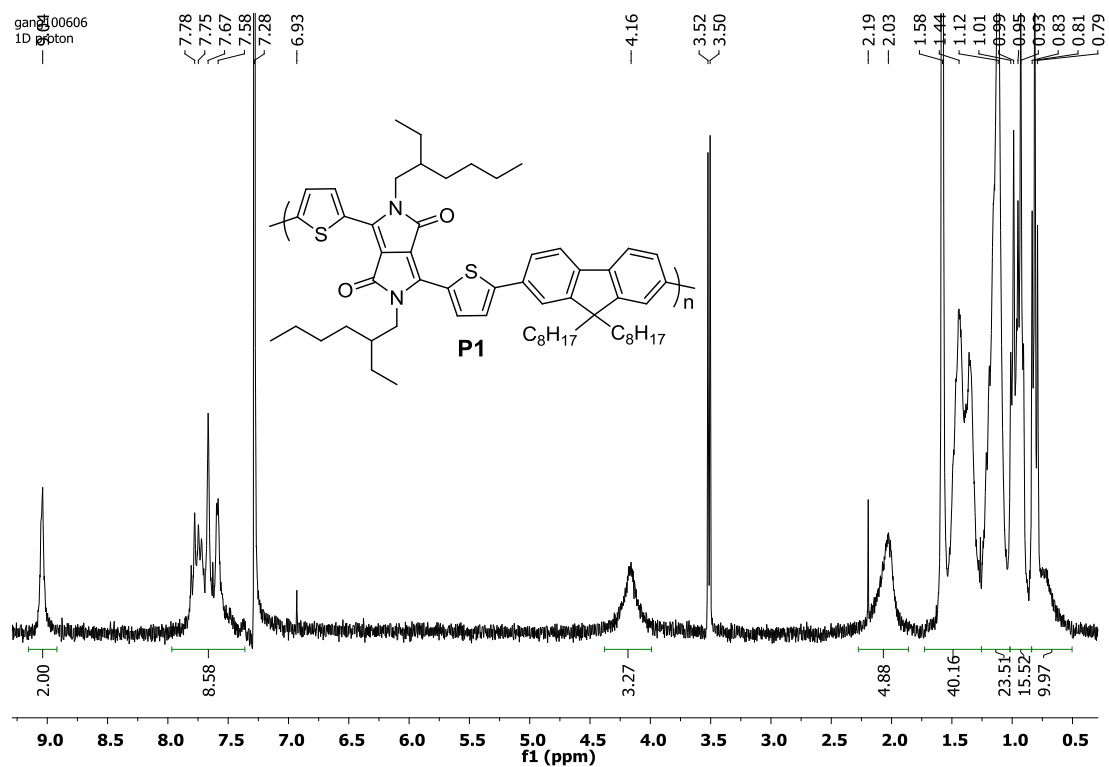


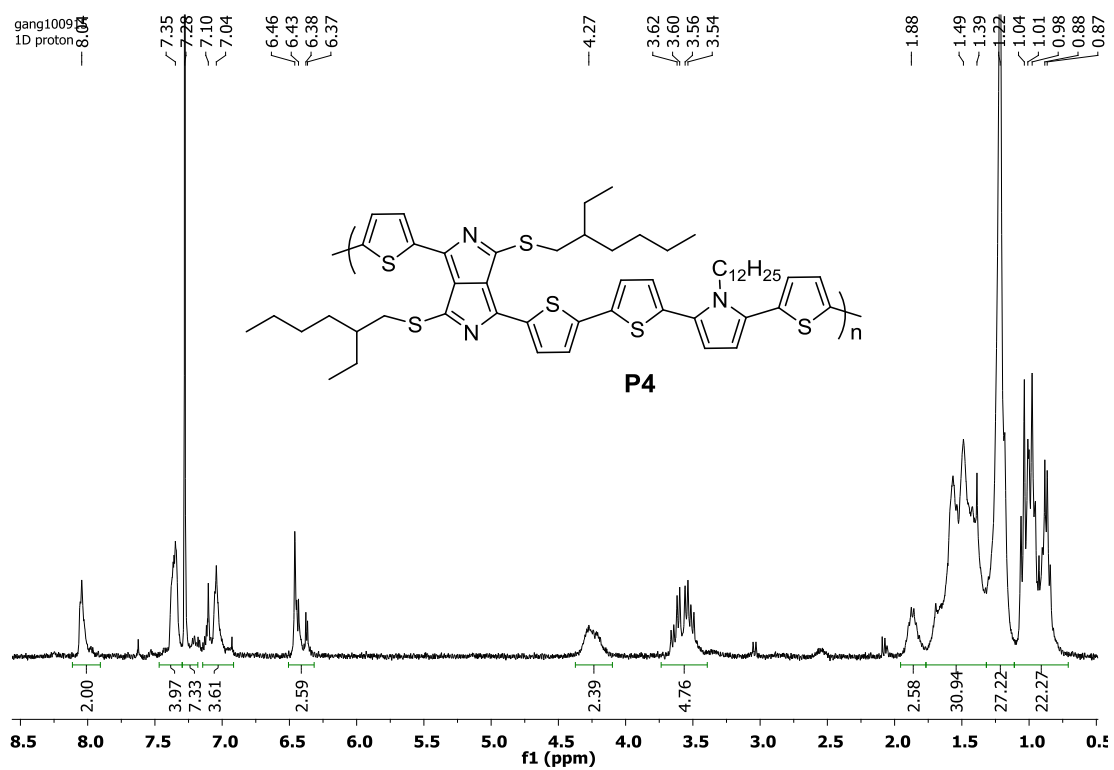
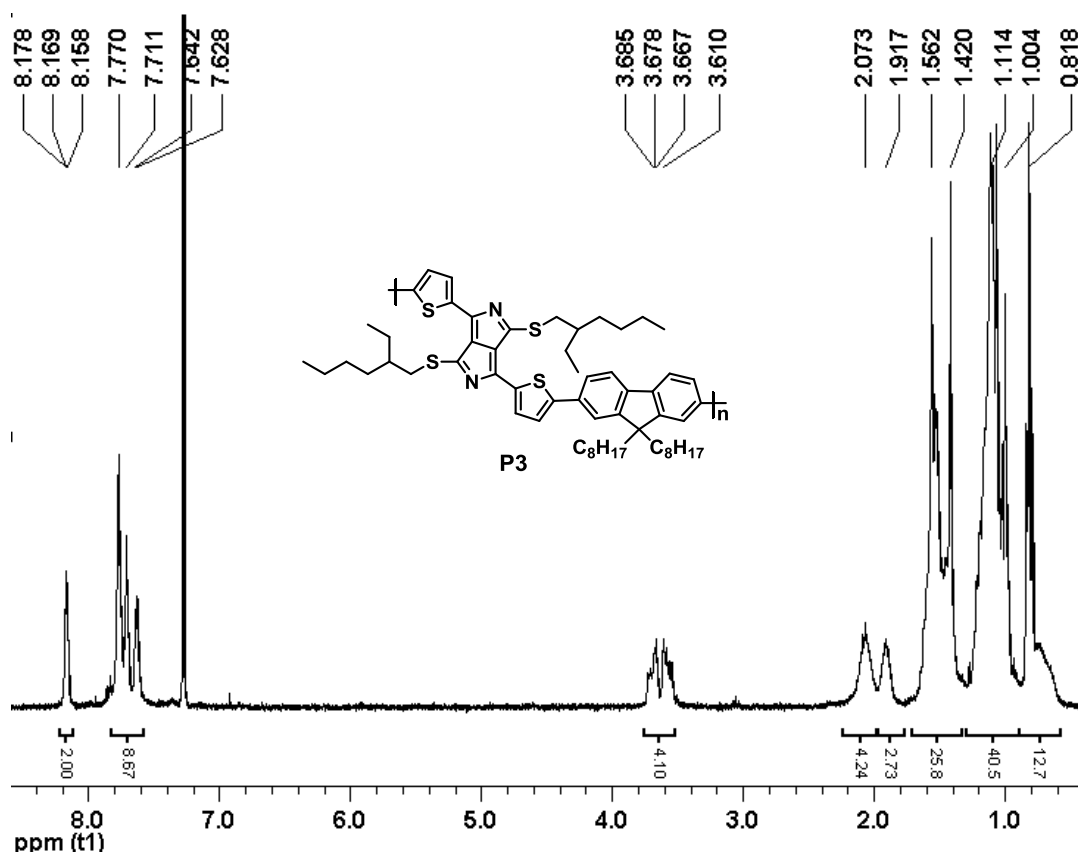
^1H - ^1H COSY of **5** in CDCl_3 .



^1H - ^{13}C HSQC of **5** in CDCl_3 .





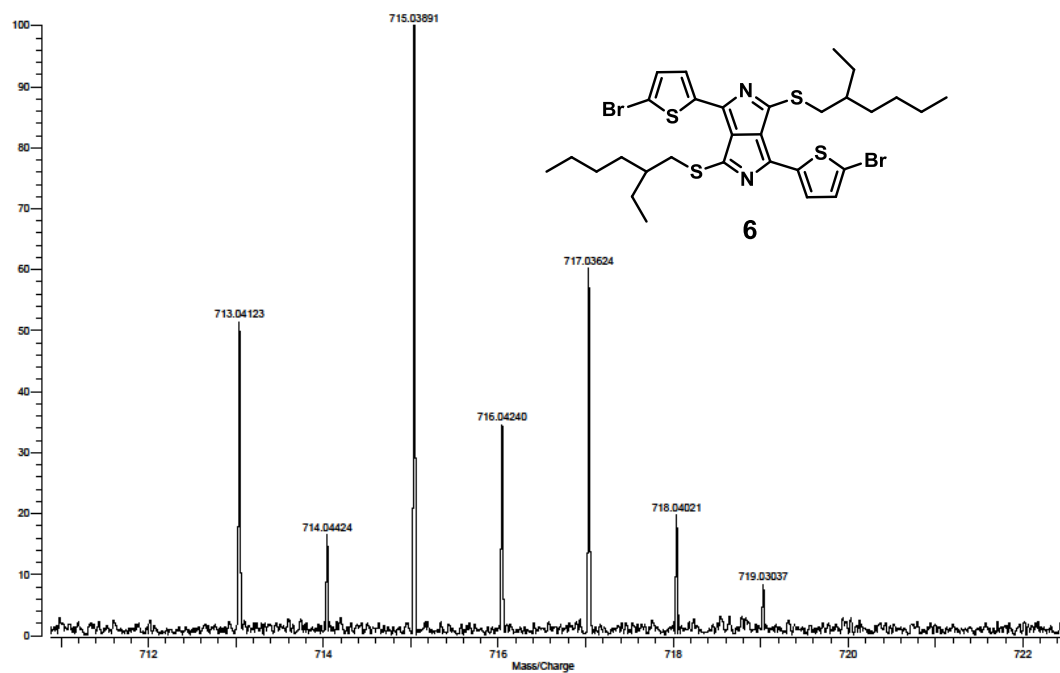


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