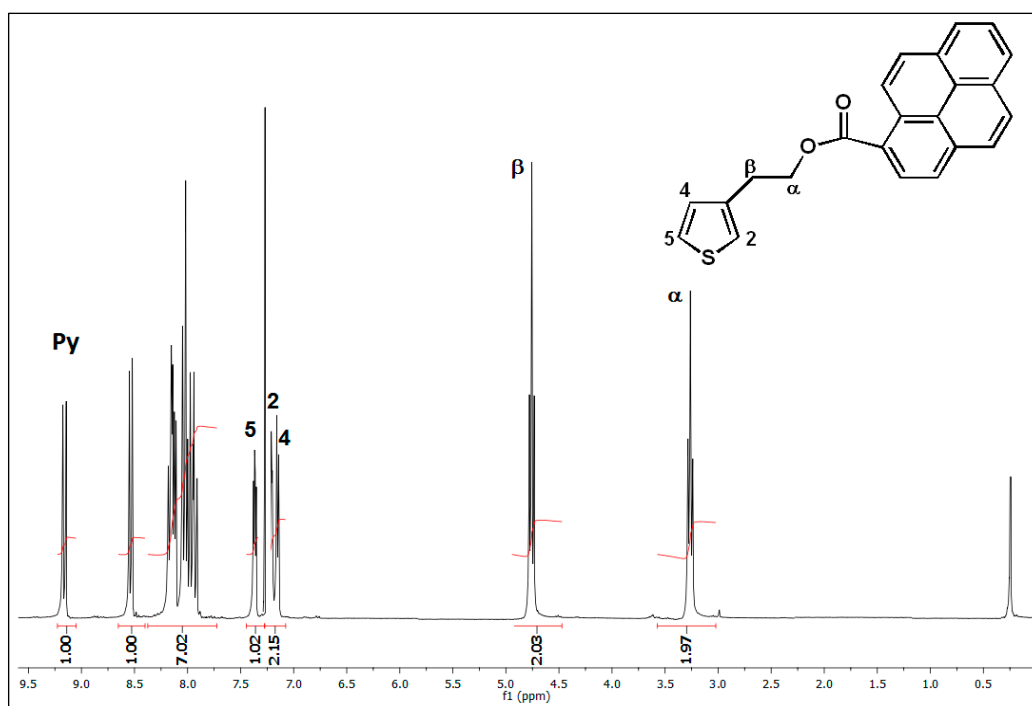
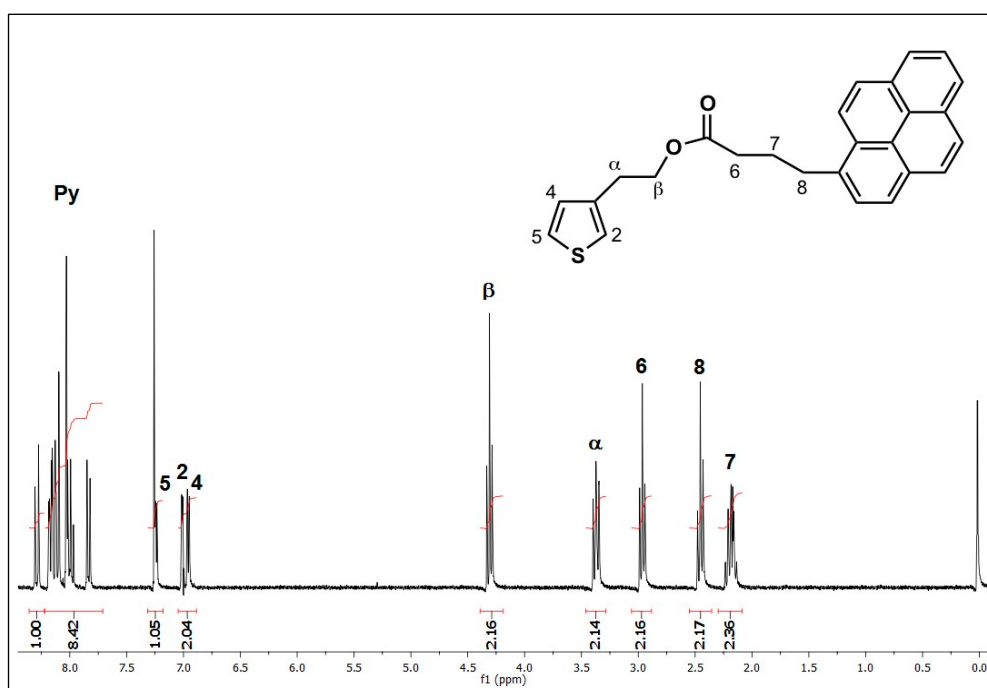


Supplementary Materials: Synthesis and Characterization of Novel Polythiophenes Containing Pyrene Chromophores: Thermal, Optical and Electrochemical Properties

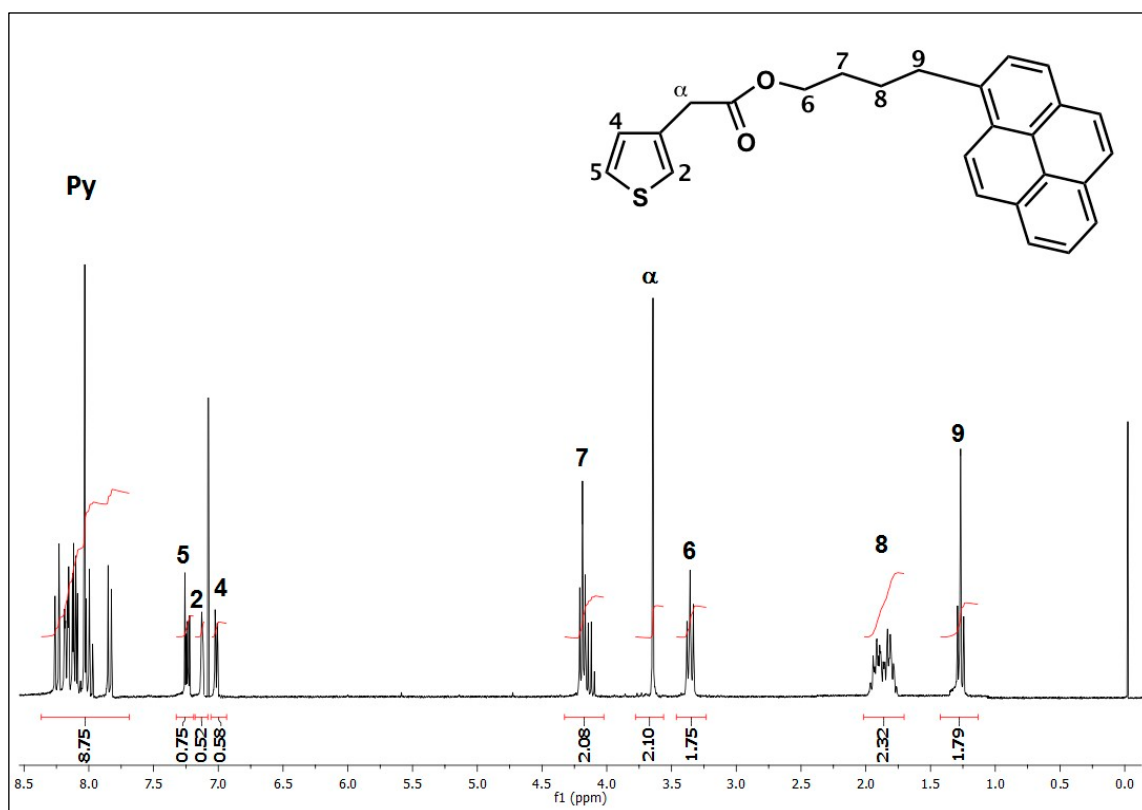
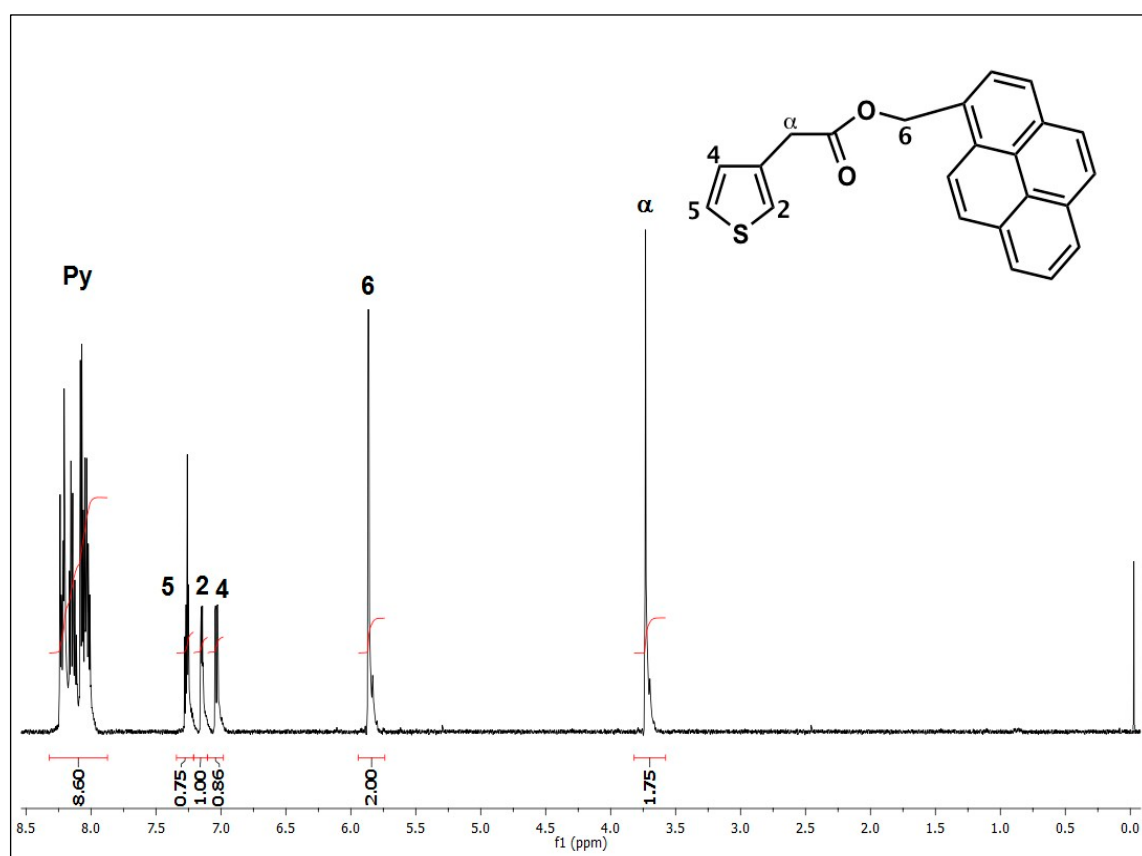
Bianca X. Valderrama-García, Efraín Rodríguez-Alba, Eric G. Morales-Espinoza, Kathleen Moineau Chane-Ching and Ernesto Rivera

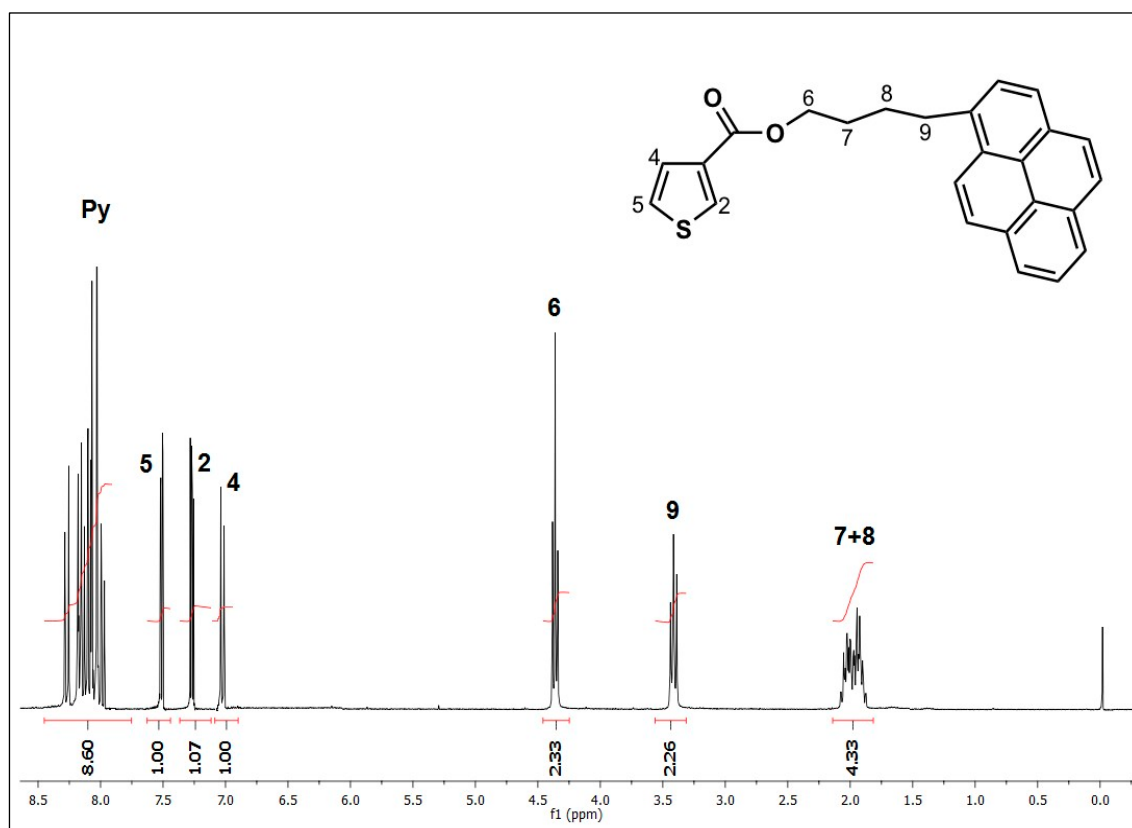


Scheme S1. ^1H -NMR spectrum of TPM1 in CDCl_3 solution.

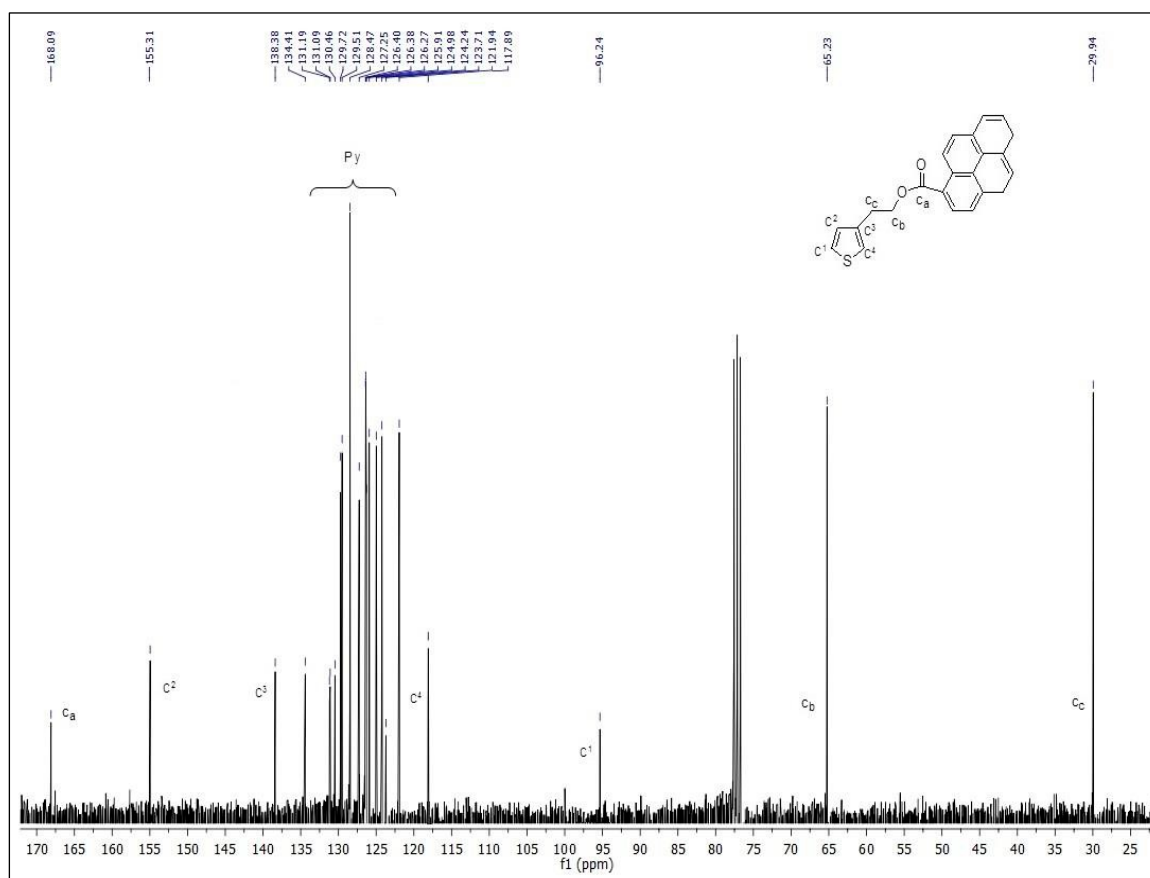


Scheme S2. ^1H -NMR spectrum of TPM2 in CDCl_3 solution.

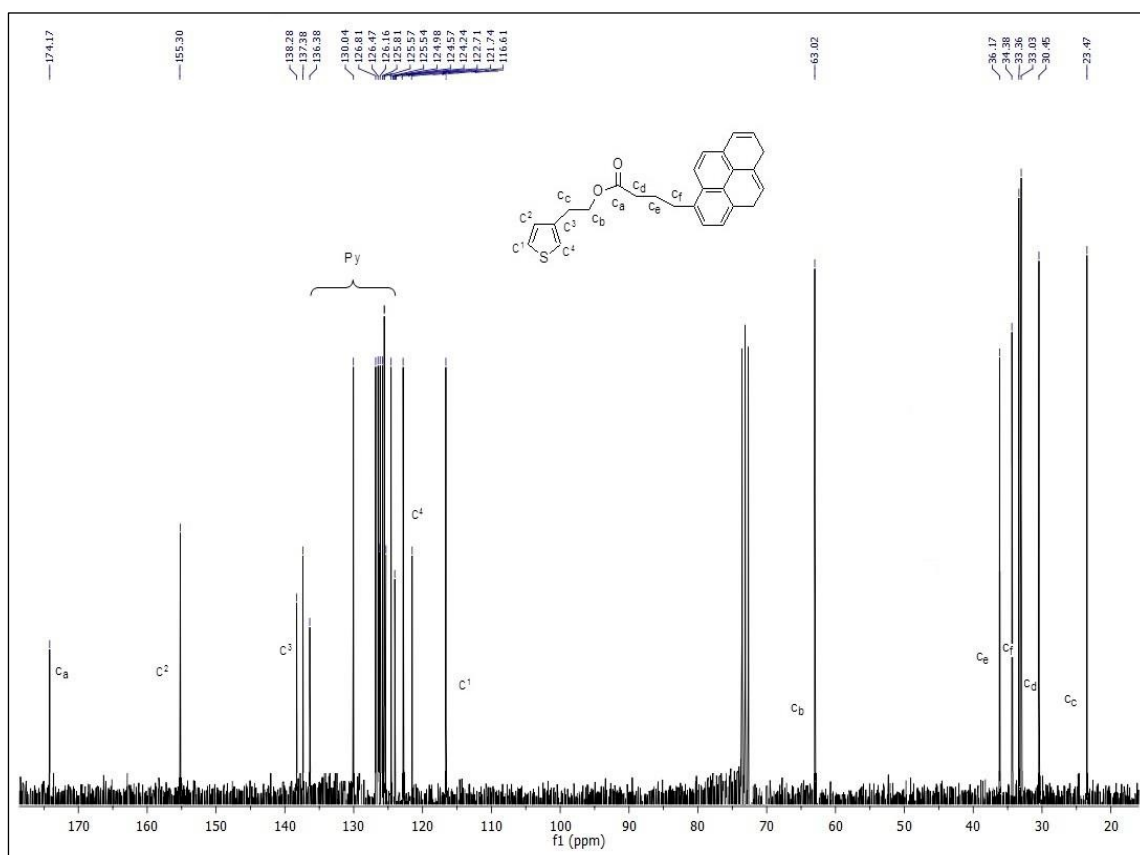
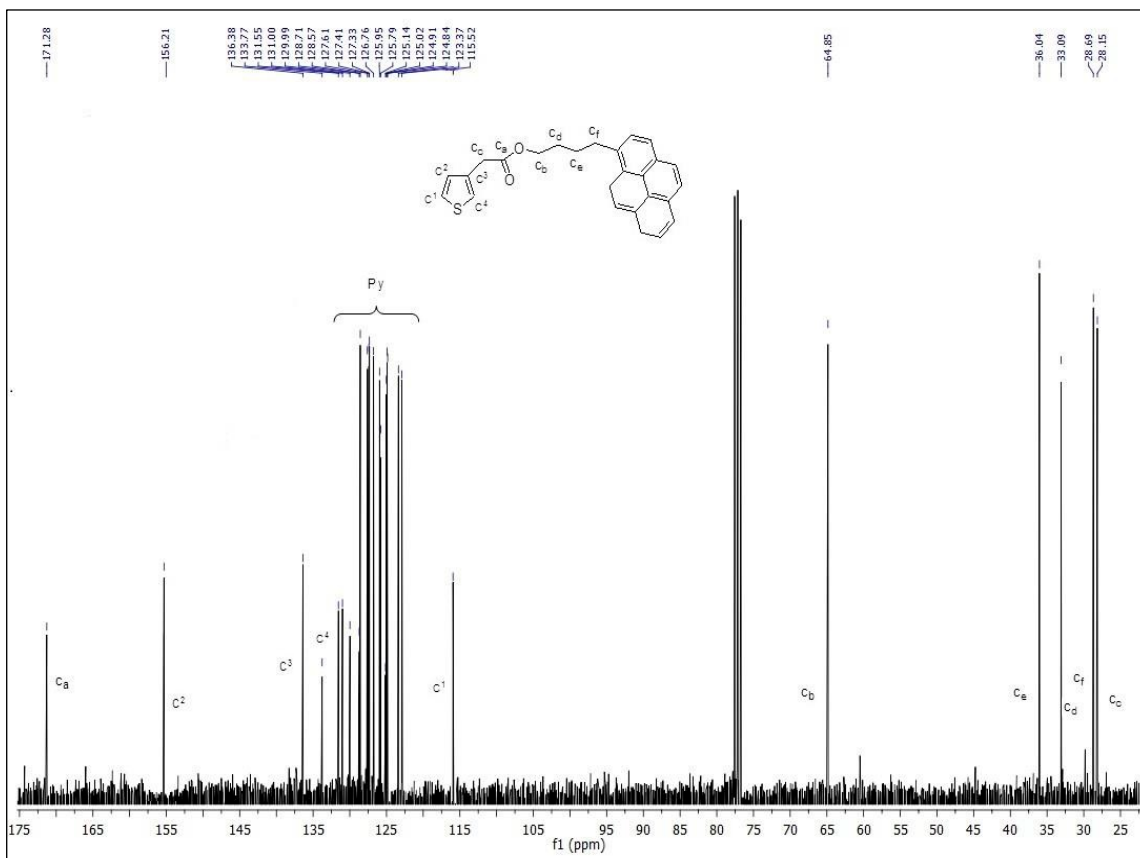
Scheme S3. ¹H-NMR spectrum of TPM3 in CDCl₃ solution.Scheme S4. ¹H-NMR spectrum of TPM4 in CDCl₃ solution.

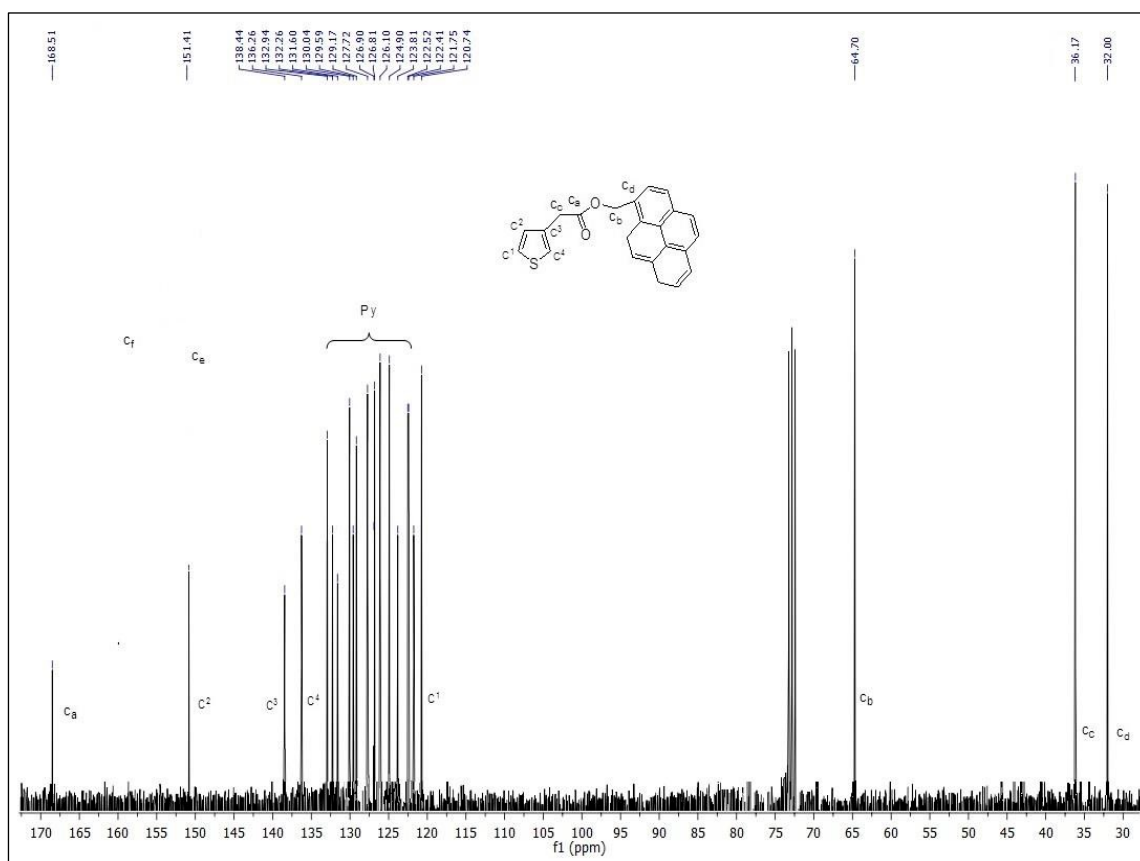
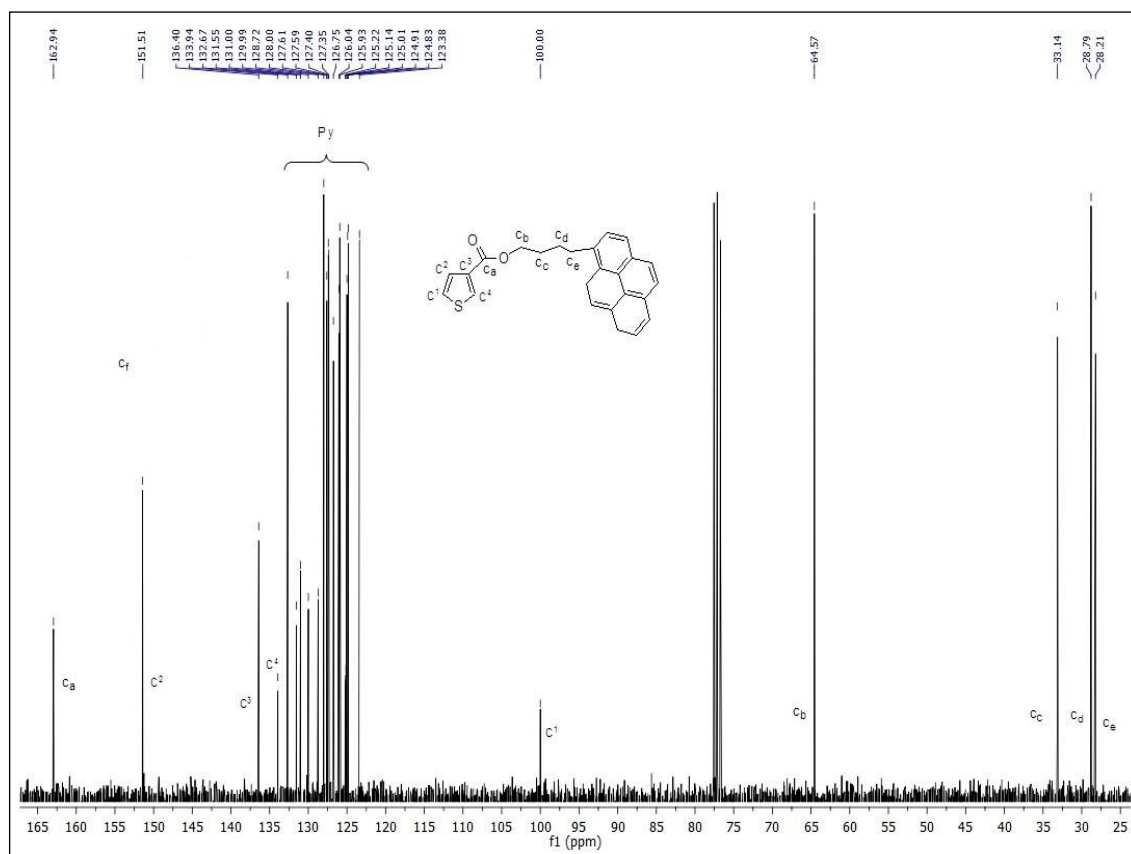


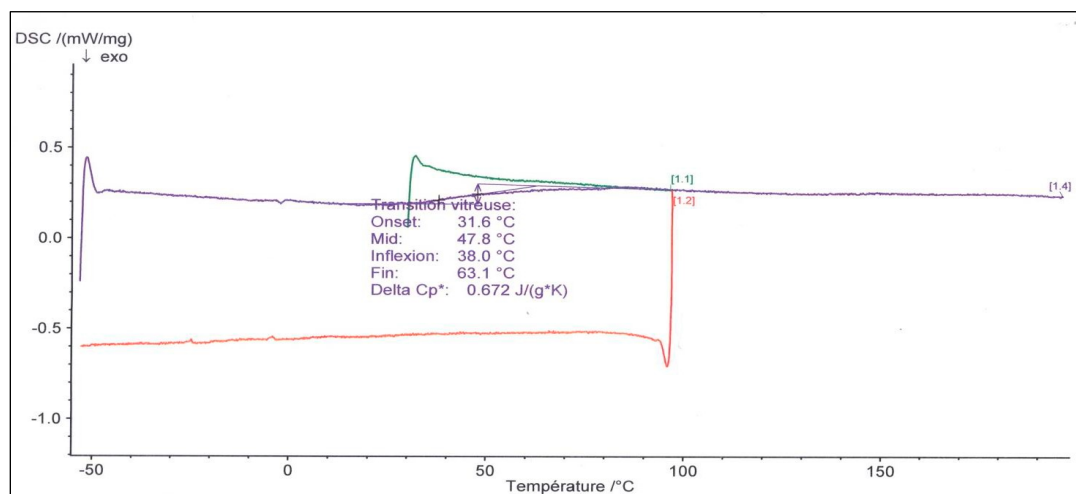
Scheme S5. ¹H-NMR spectrum of **TPM5** in CDCl₃ solution.



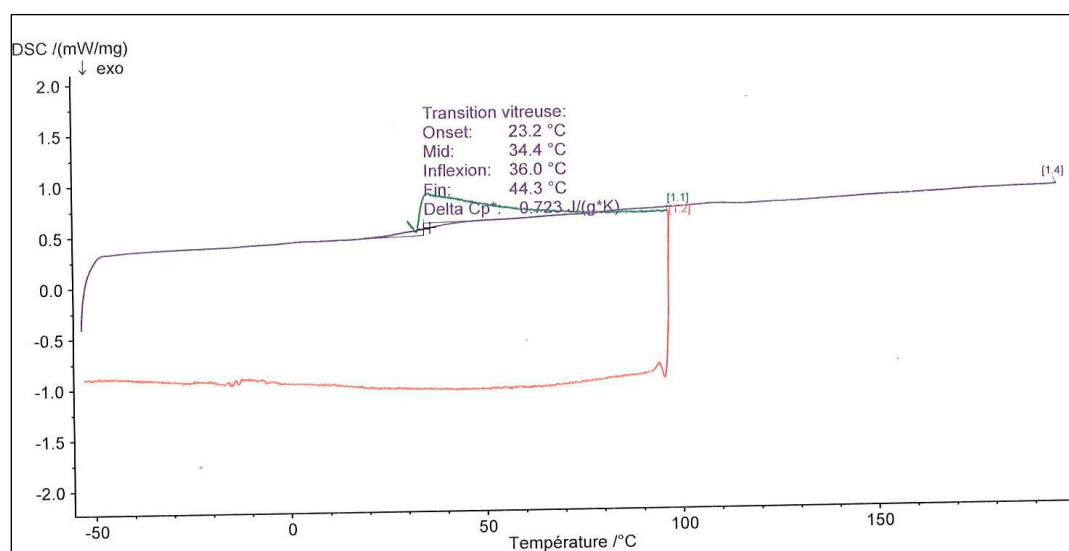
Scheme S1-1. ^{13}C -NMR spectrum of **TPM1** in CDCl_3 solution.

Scheme S2-1. ¹³C-NMR spectrum of TPM2 in CDCl₃ solution.Scheme S3-1. ¹³C-NMR spectrum of TPM3 in CDCl₃ solution.

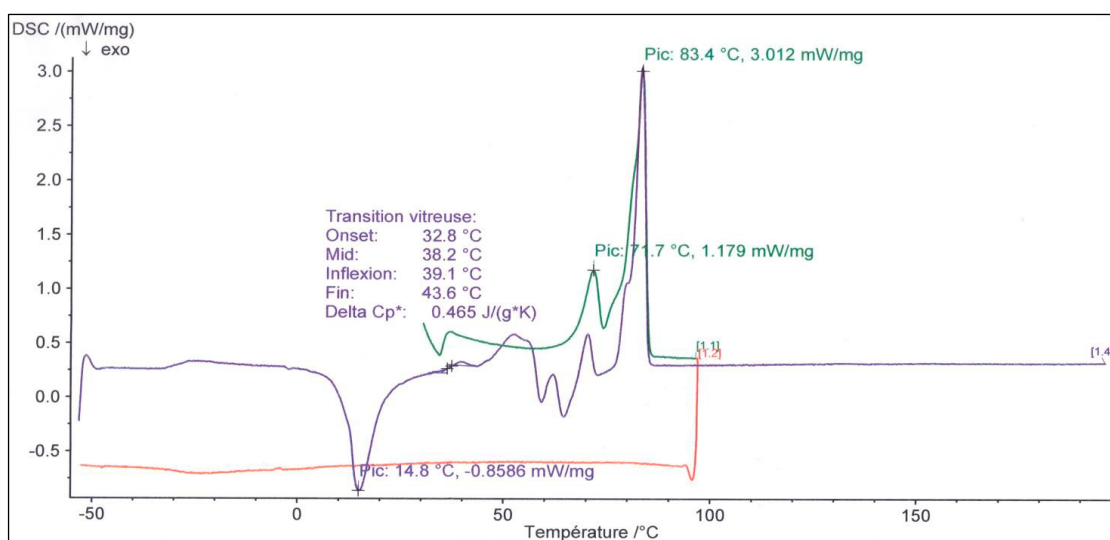
Scheme S4-1. ¹³C-NMR spectrum of TPM4 in CDCl₃ solution.Scheme S5-1. ¹³C-NMR spectrum of TPM5 in CDCl₃ solution.



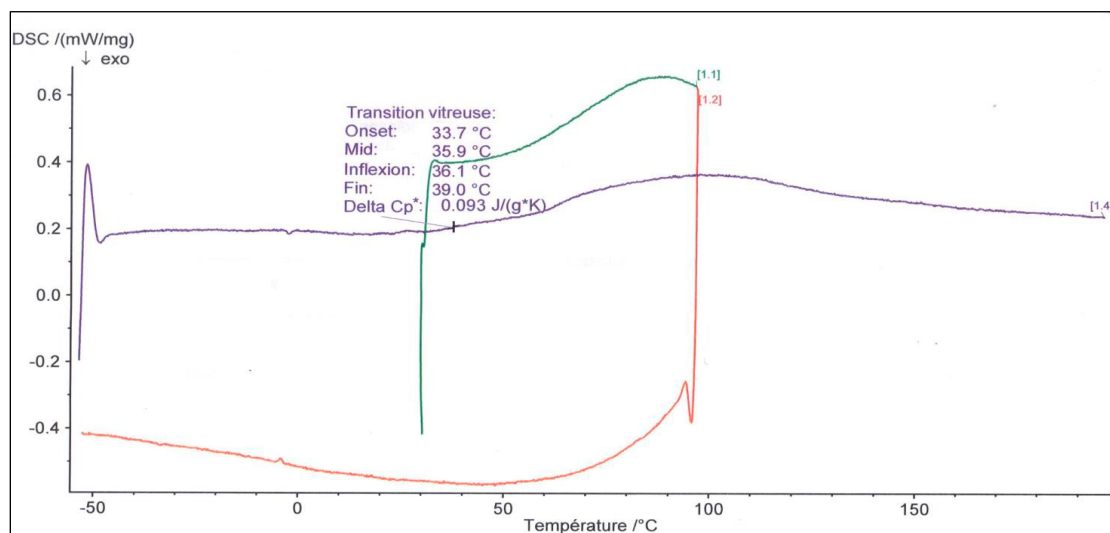
Scheme S6. DSC of TPO1.



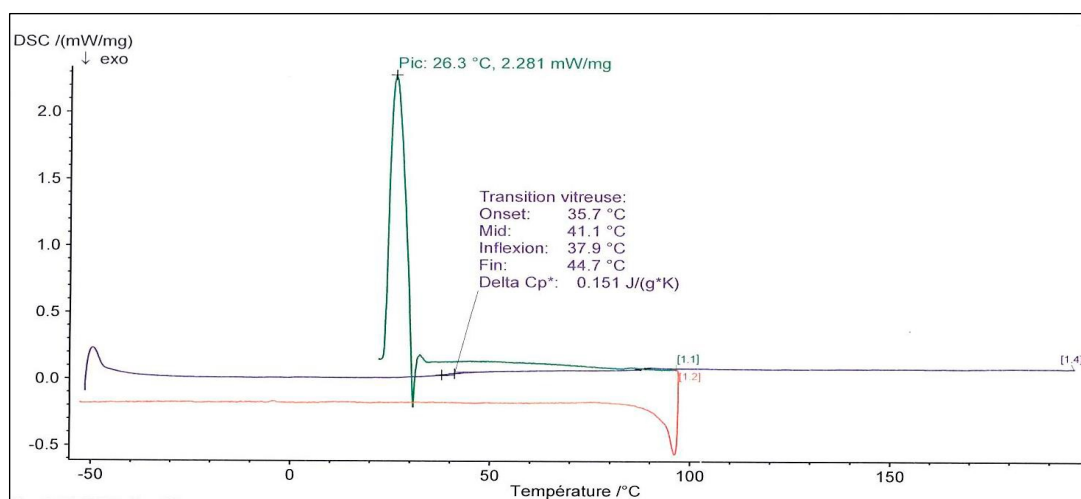
Scheme S7. DSC of TPO2.



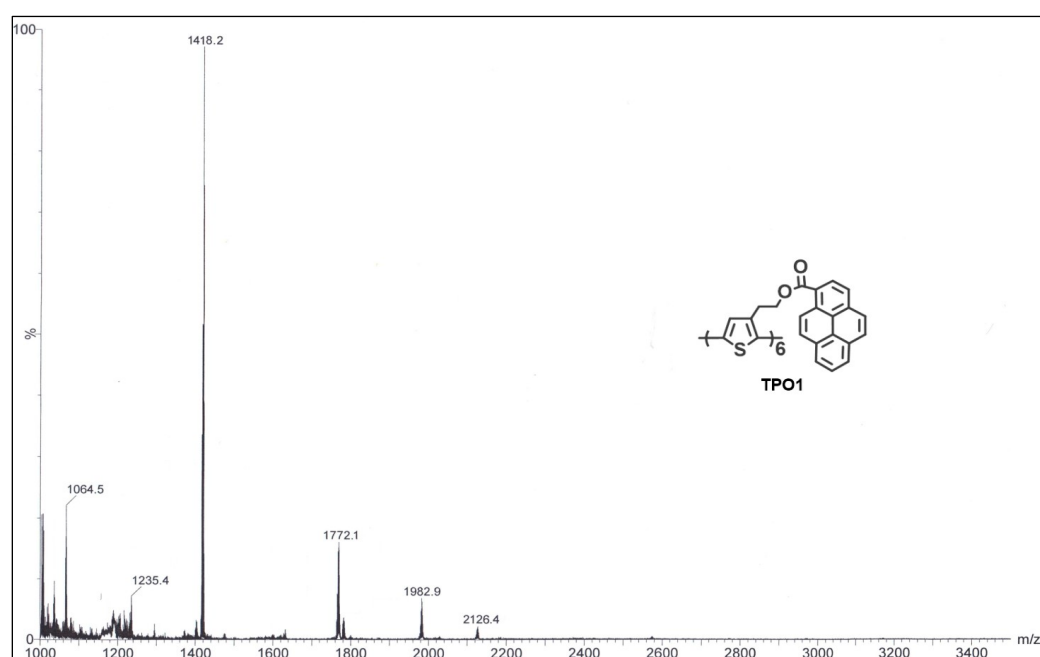
Scheme S8. DSC of TPO3.



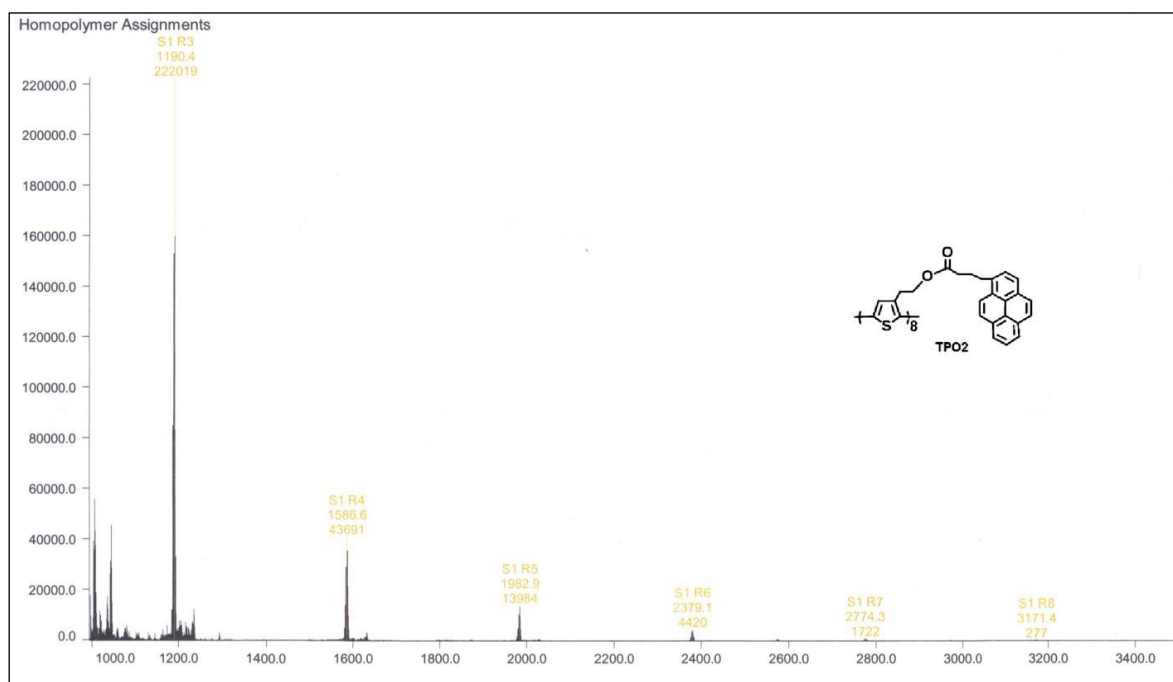
Scheme S9. DSC of TPO4.



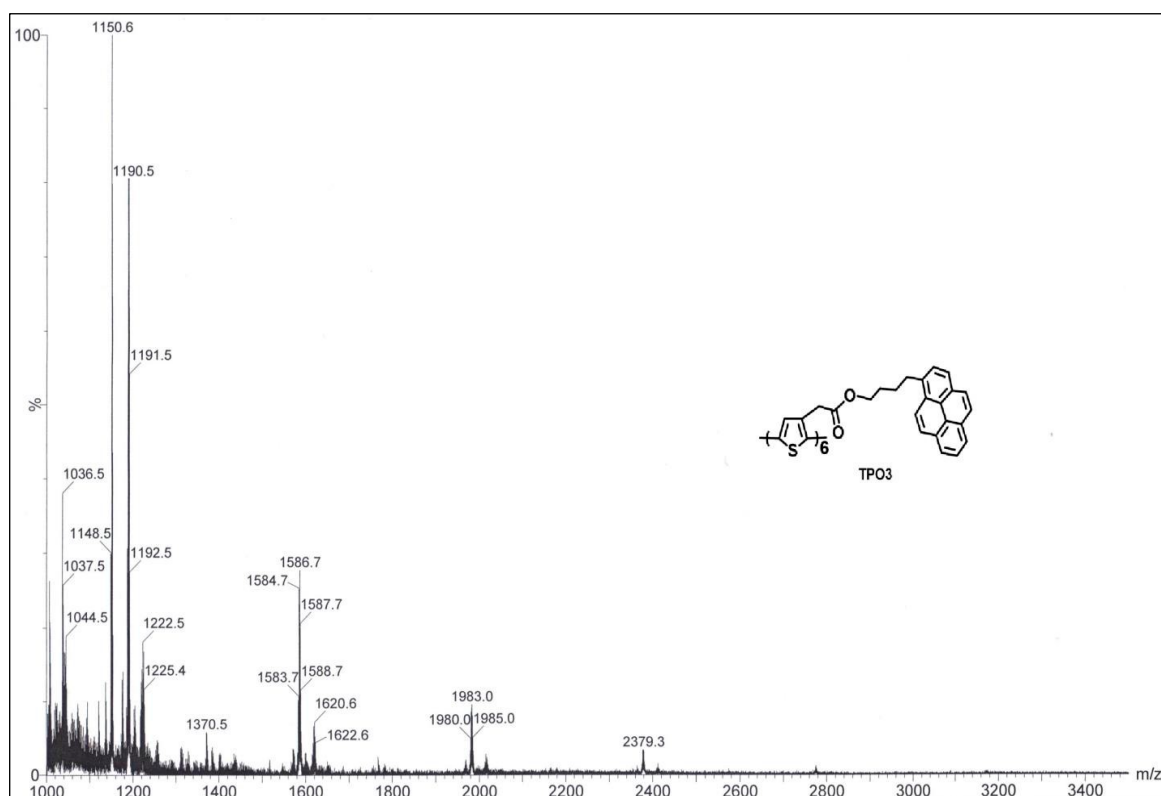
Scheme S10. DSC of TPO5.



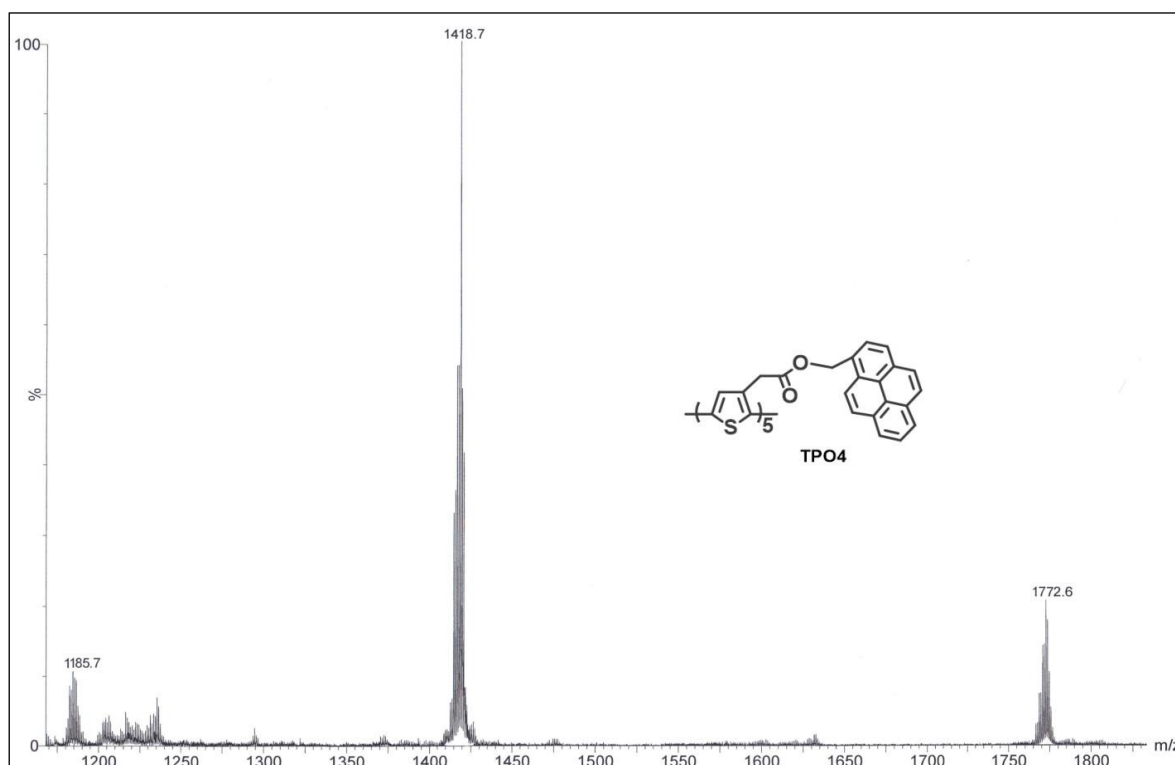
Scheme S11. MALDI-TOF of TPO1.



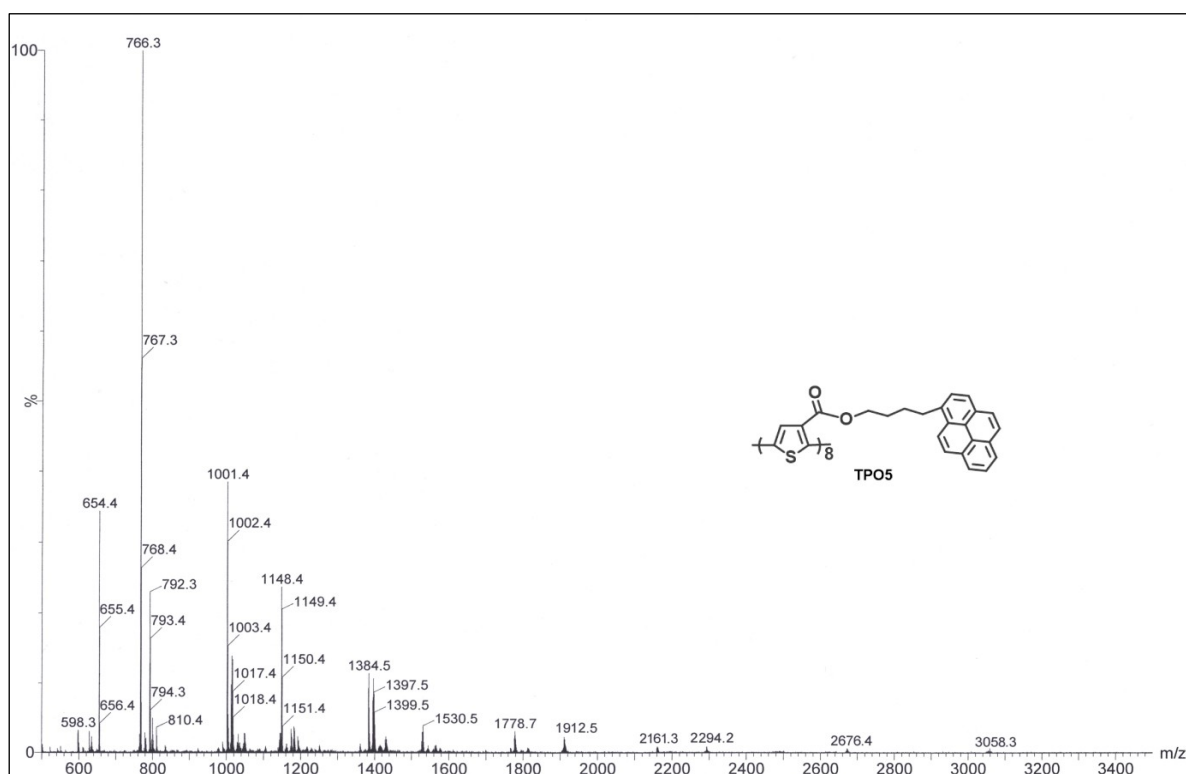
Scheme S12. MALDI-TOF of TPO2.



Scheme S13. MALDI-TOF of TPO3.



Scheme S14. MALDI-TOF of TPO4.



Scheme S15. MALDI-TOF of TPO5.