

Supporting Information

Rapid Synthesis and Properties of Segmented Block Copolymers Based on Monodisperse Aromatic Poly(*N*-Methyl benzamide) and Poly(Propylene oxide)

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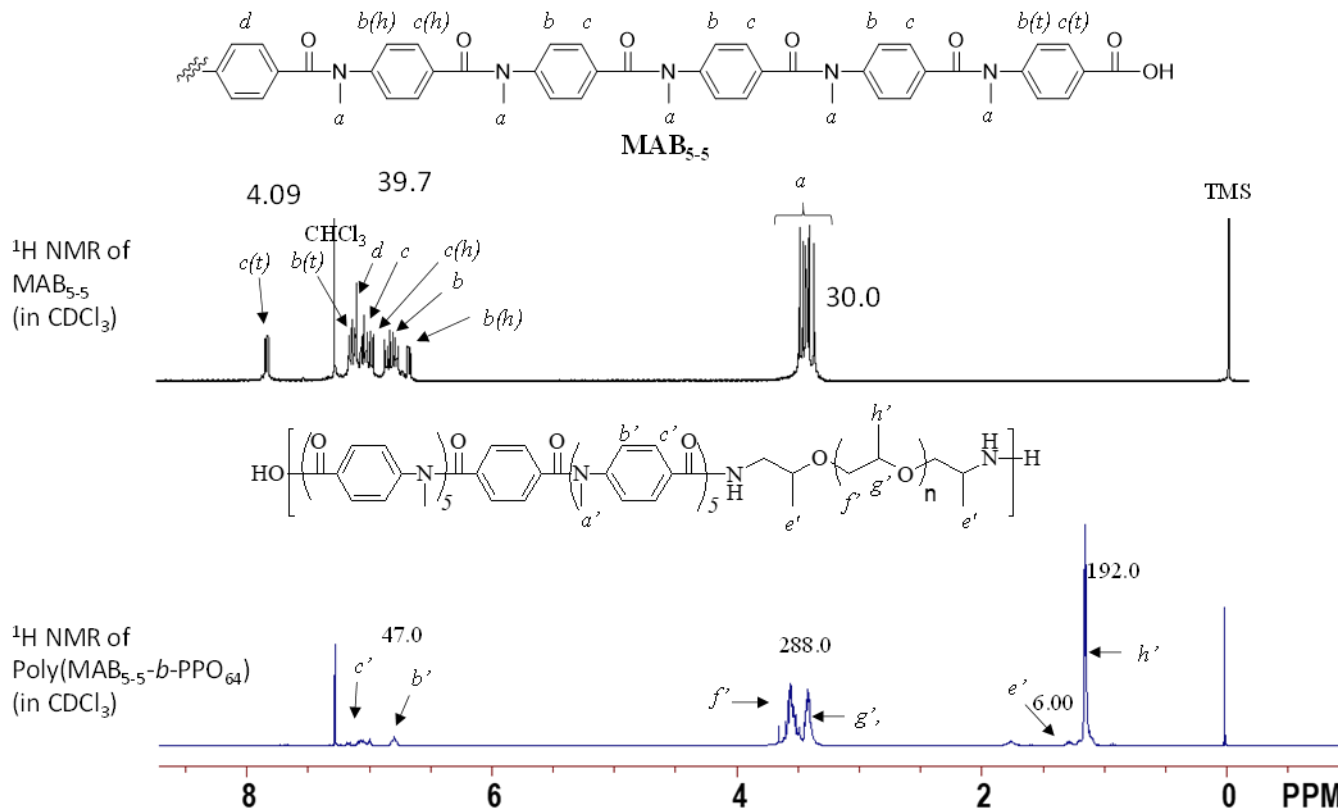


Figure S1. ^1H NMR spectra (CDCl_3) of $\text{MAB}_{5.5}$ and the block copolymer $\text{poly}(\text{MAB}_{5.5}\text{-}b\text{-PPO}_{64})$

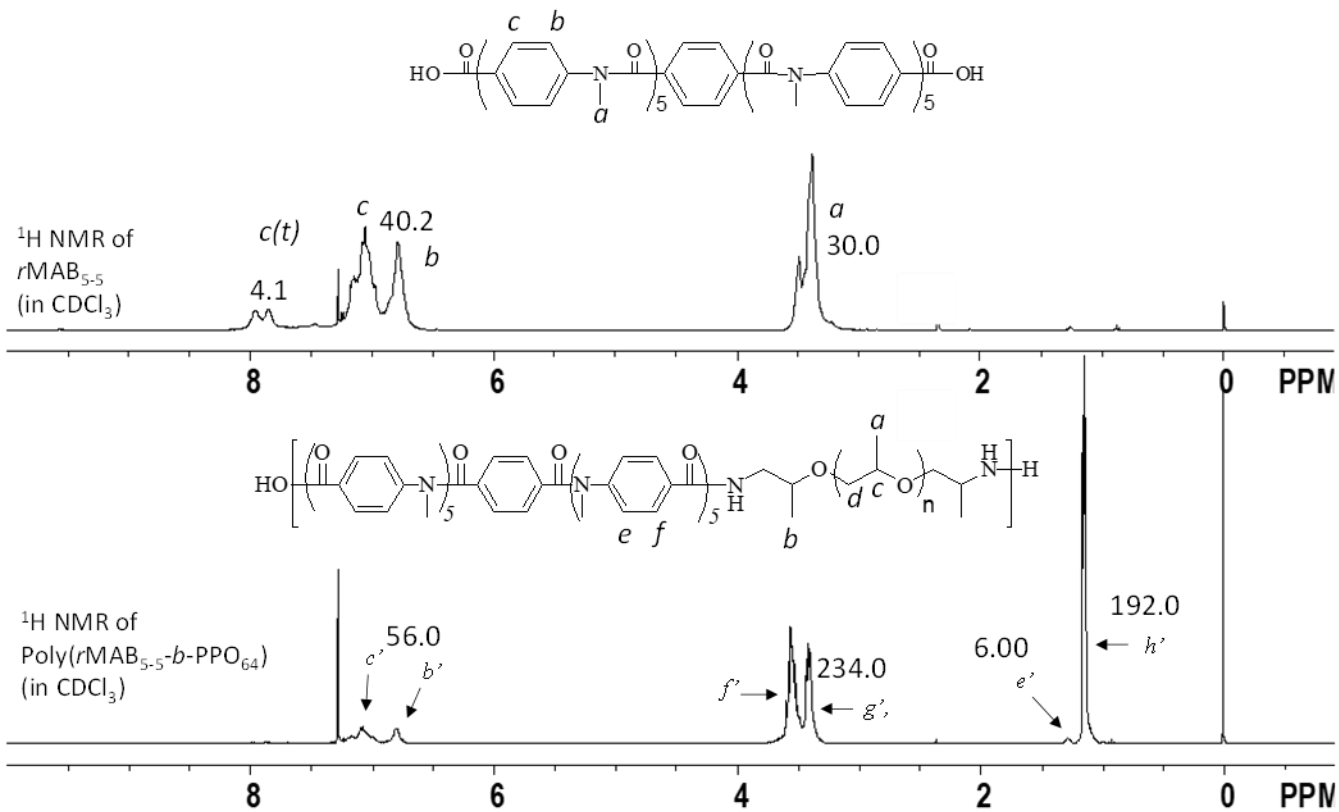


Figure S2. ^1H NMR spectra (CDCl_3) of $r\text{MAB}_{5-5}$ and the block copolymer $\text{poly}(r\text{MAB}_{5-5}\text{-}b\text{-PPO}_{64})$

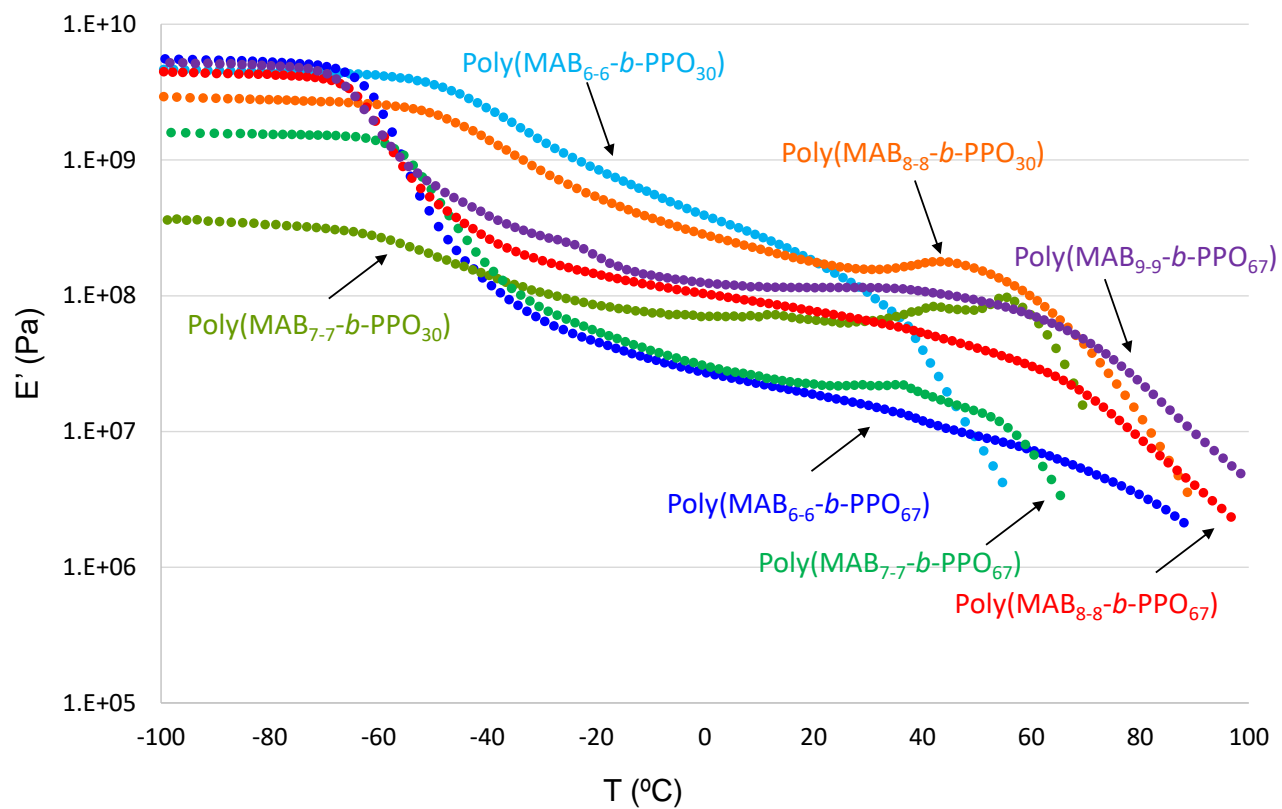


Figure S3. DMA analysis of poly(MAB_{x-x}-*b*-PPO_y) block copolymers

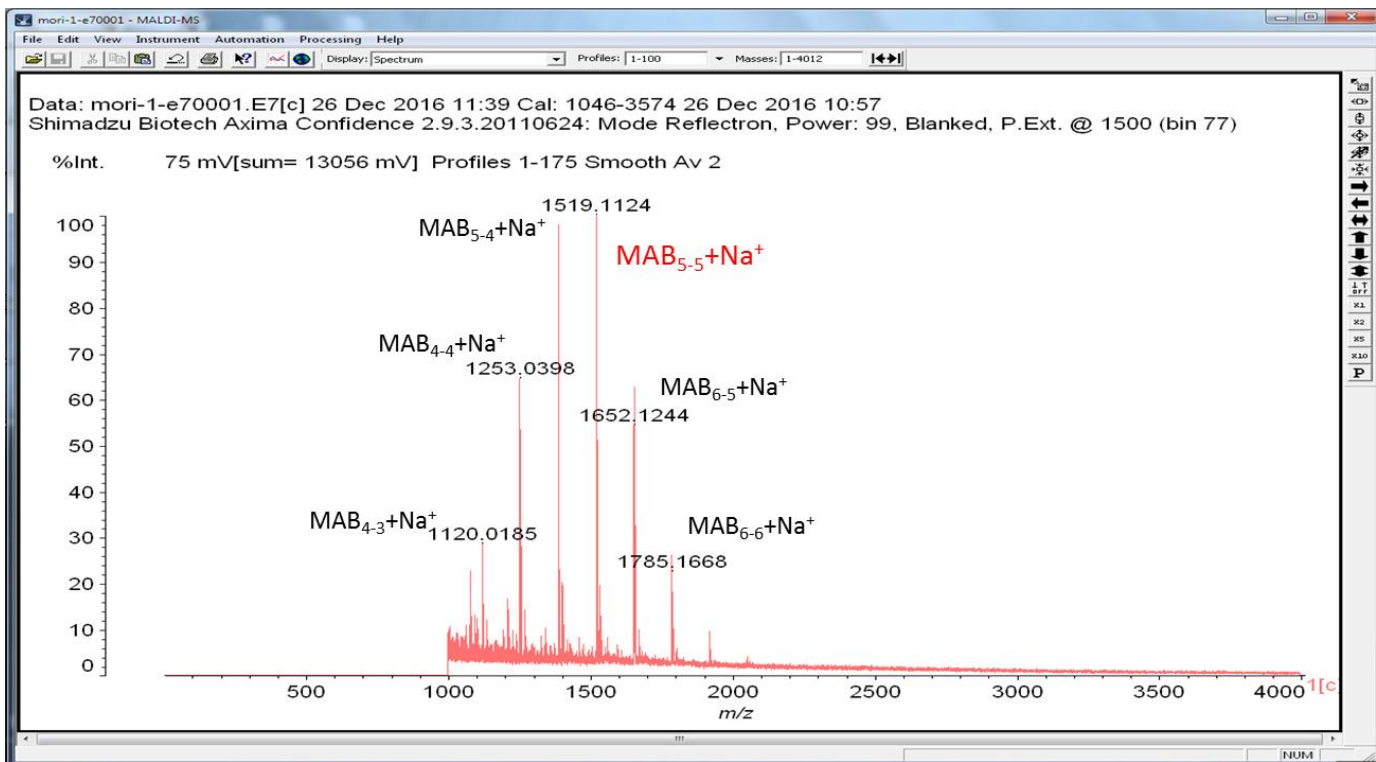


Figure S4. MALDI-TOF-MS spectrum of MAB₅₋₅

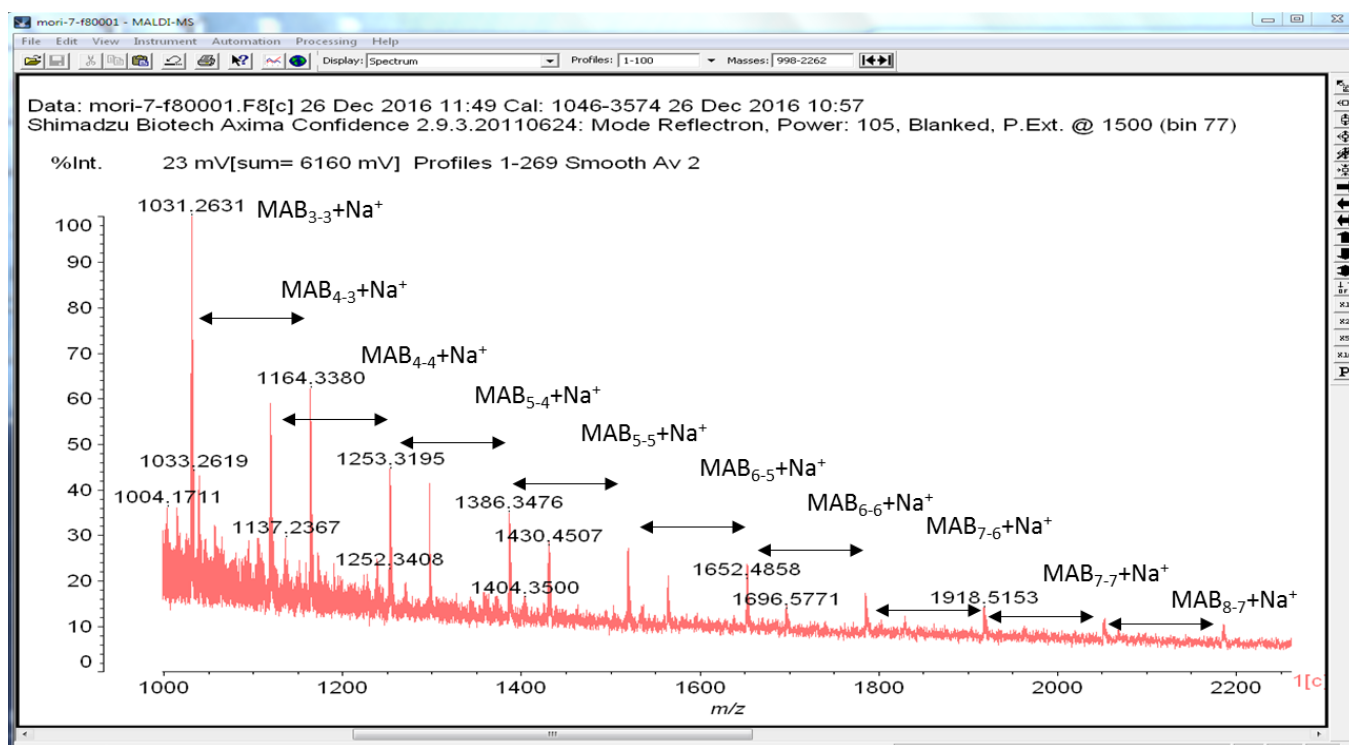


Figure S5. MALDI-TOF-MS spectrum of rMAB₅₋₅

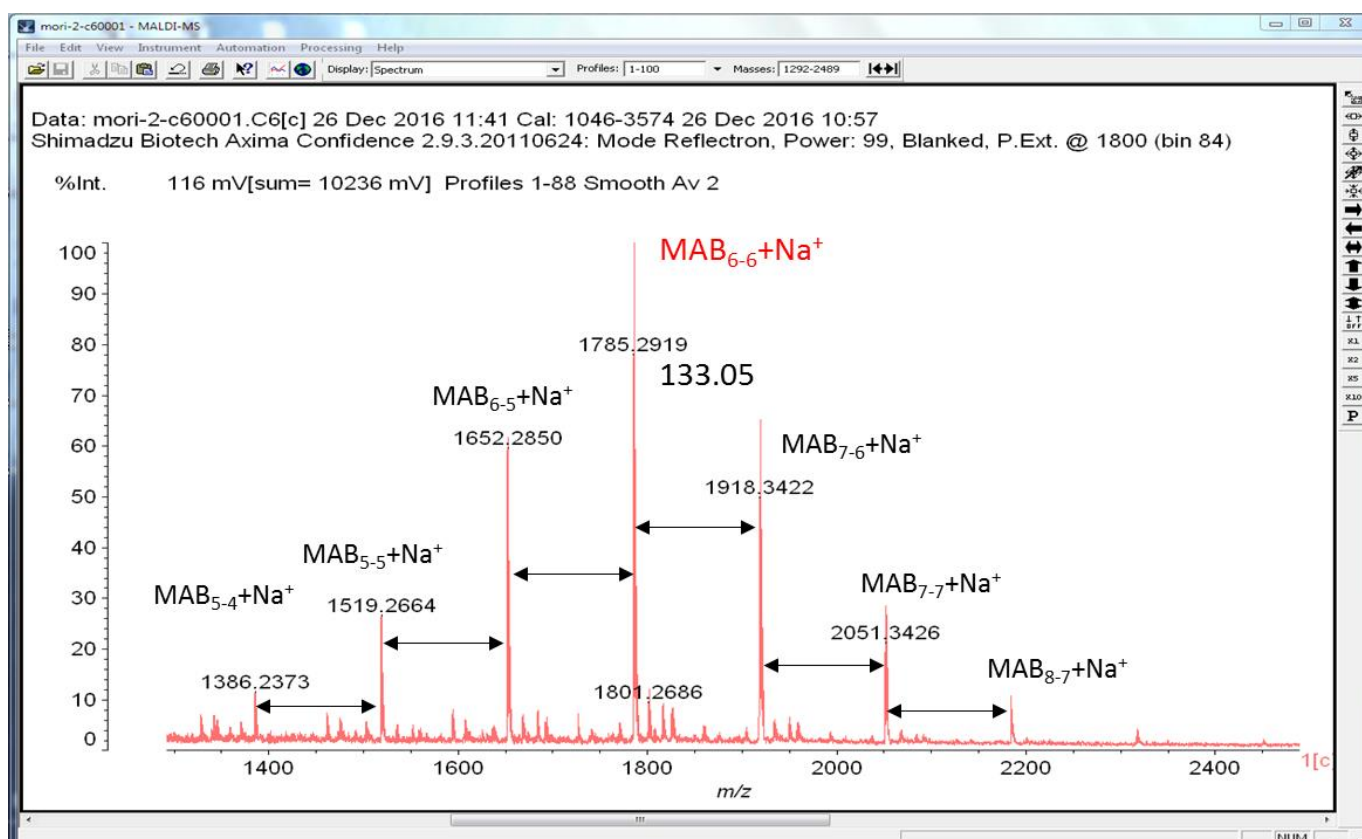


Figure S6. MALDI-TOF-MS spectrum of MAB_{6:6}

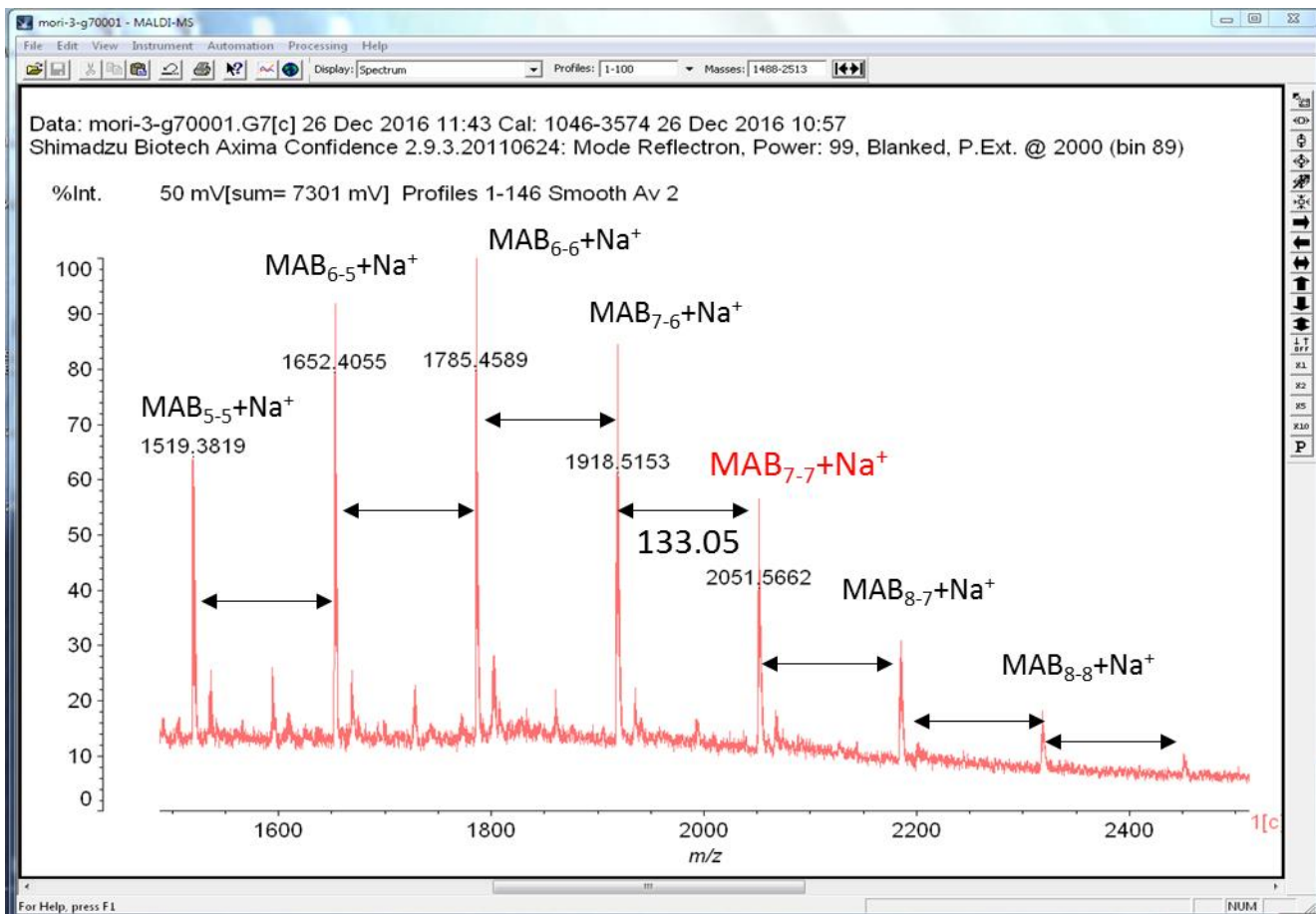


Figure S7. MALDI-TOF-MS spectrum of MAB₇₋₇

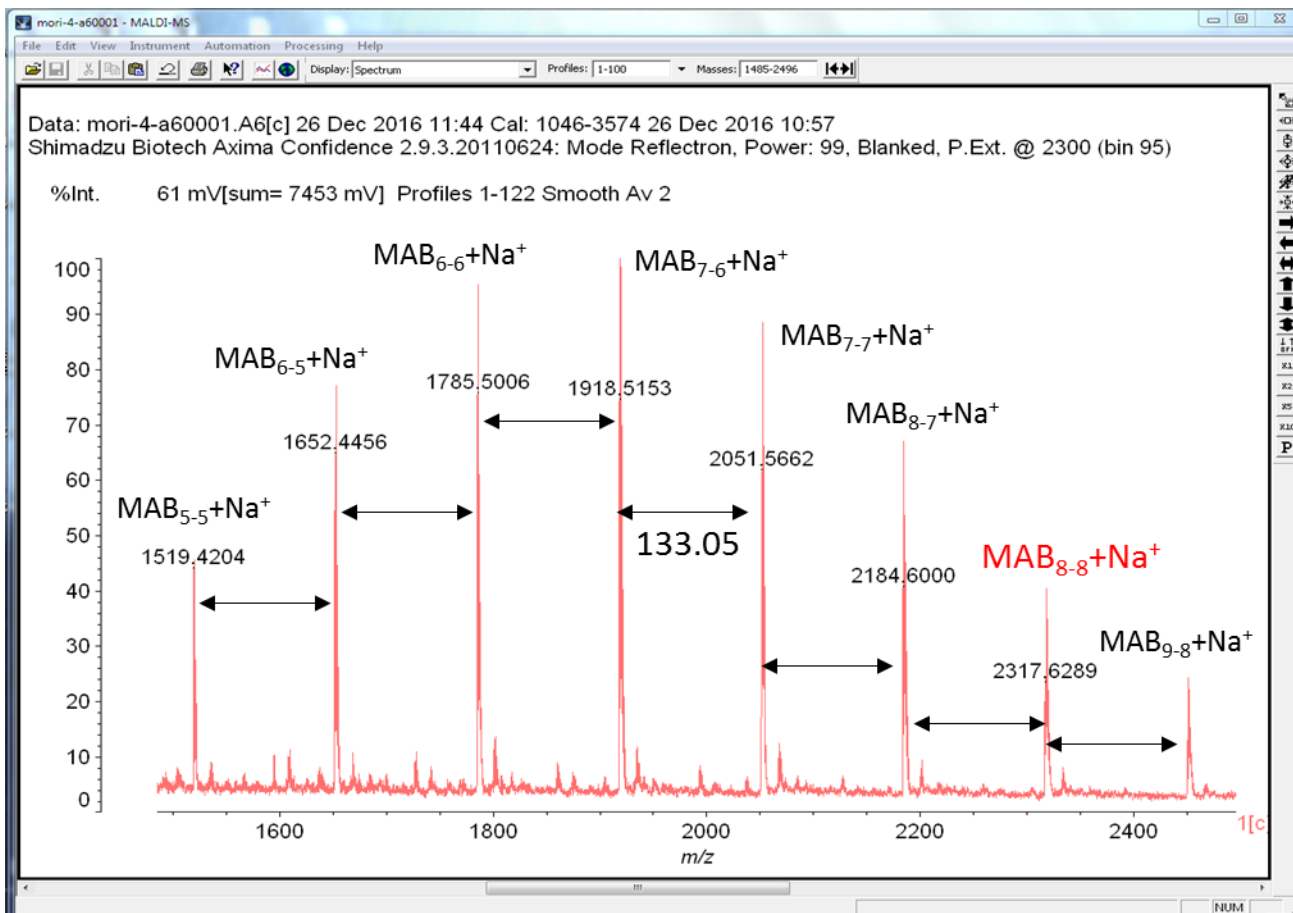


Figure S8. MALDI-TOF-MS spectrum of MAB₈₋₈

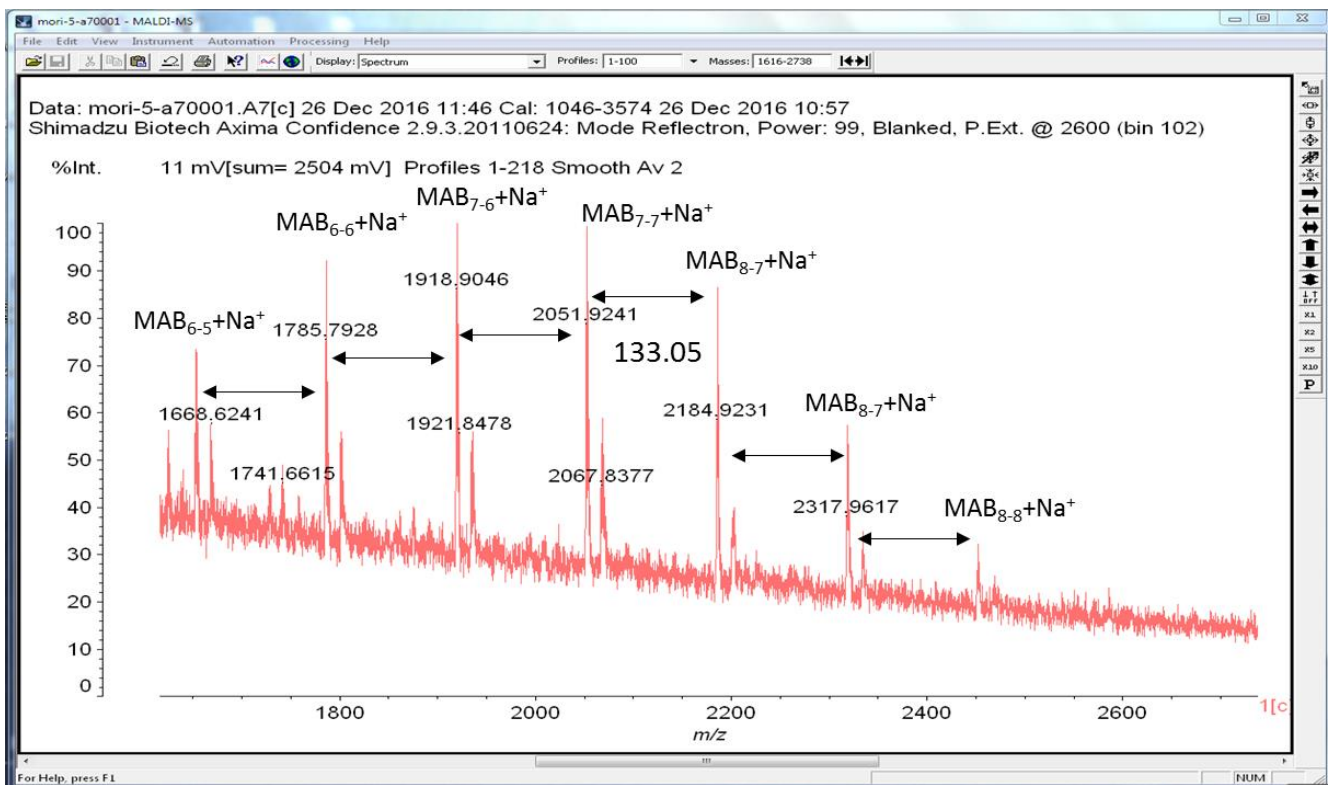


Figure S9. MALDI-TOF-MS spectrum of MAB₉₋₉

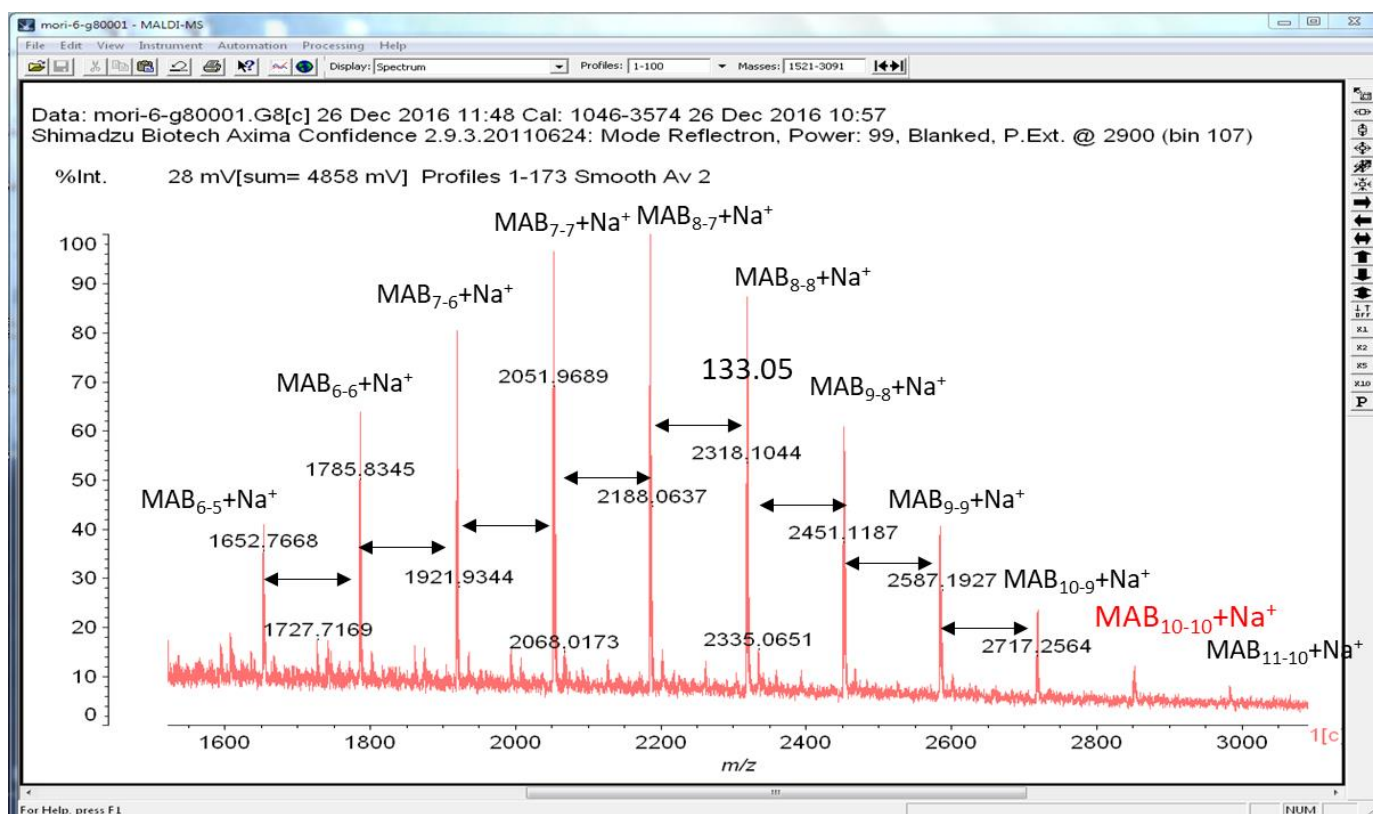


Figure S10. MALDI-TOF-MS spectrum of MAB₁₀₋₁₀

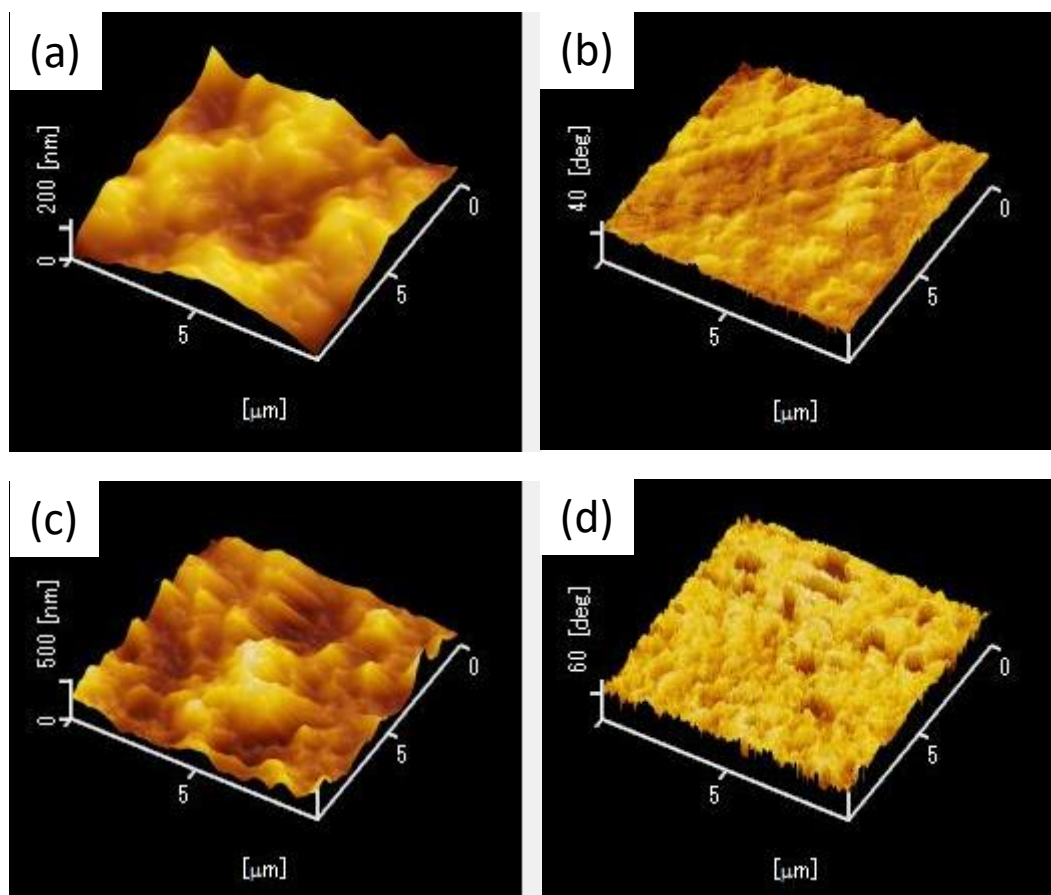


Figure S11. AFM images of poly(MAB₅₋₅-*b*-PPO₆₇) [(a) topography and (b) phase image], and poly(MAB₉₋₉-*b*-PPO₆₇) [(c) topography and (d) phase image].

