

Electronic Supporting Information for

“Polydiacetylenes carrying amino groups for colorimetric detection and identification of anionic surfactants ”

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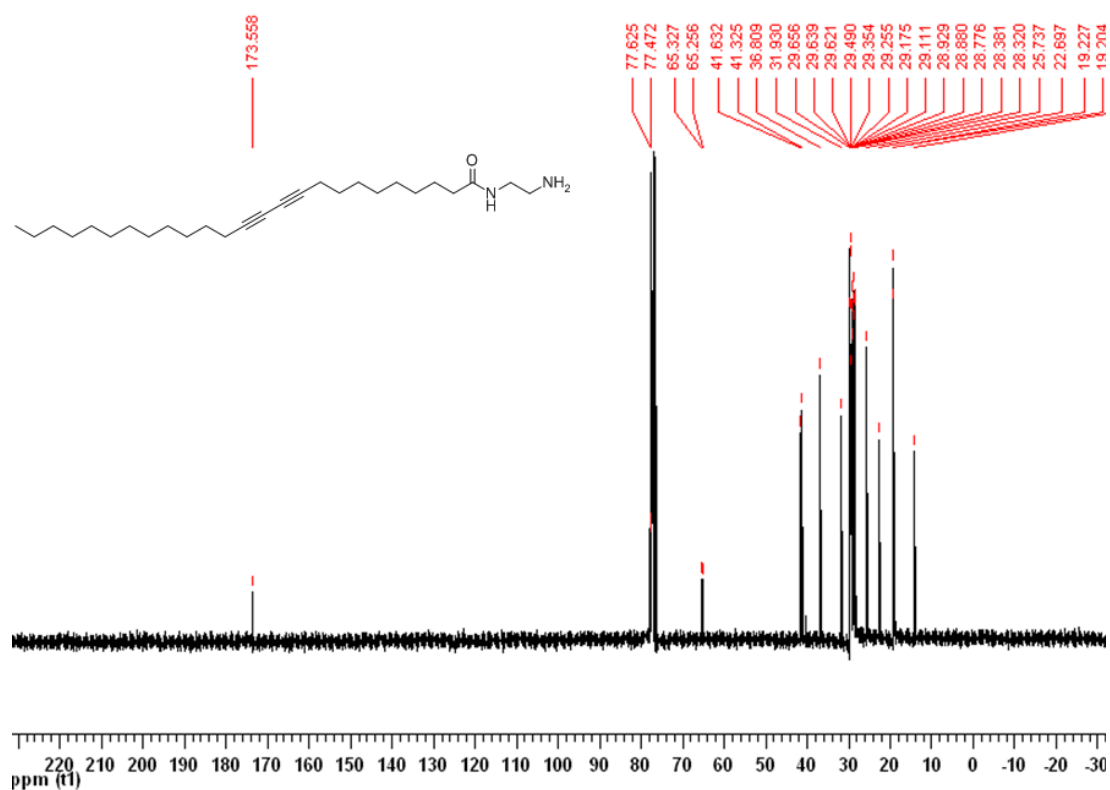
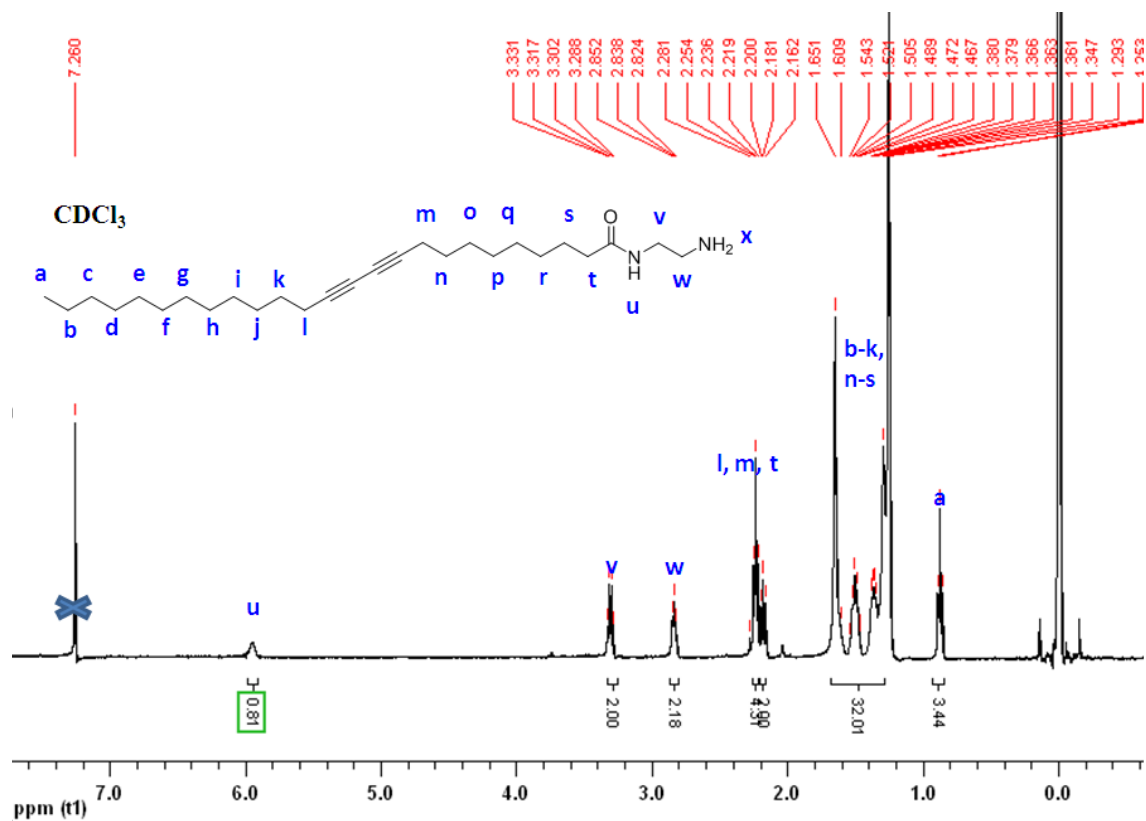
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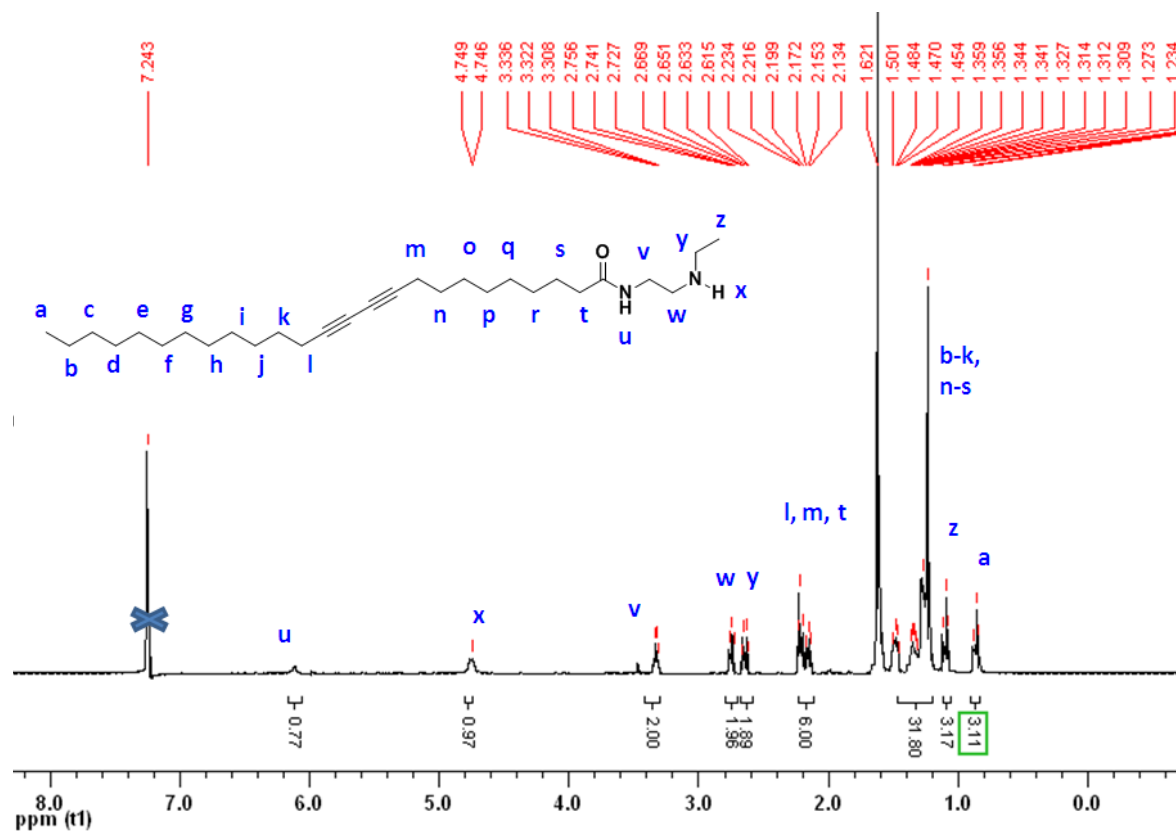


Figure3. S3: ¹H NMR of 2 in CDCl₃

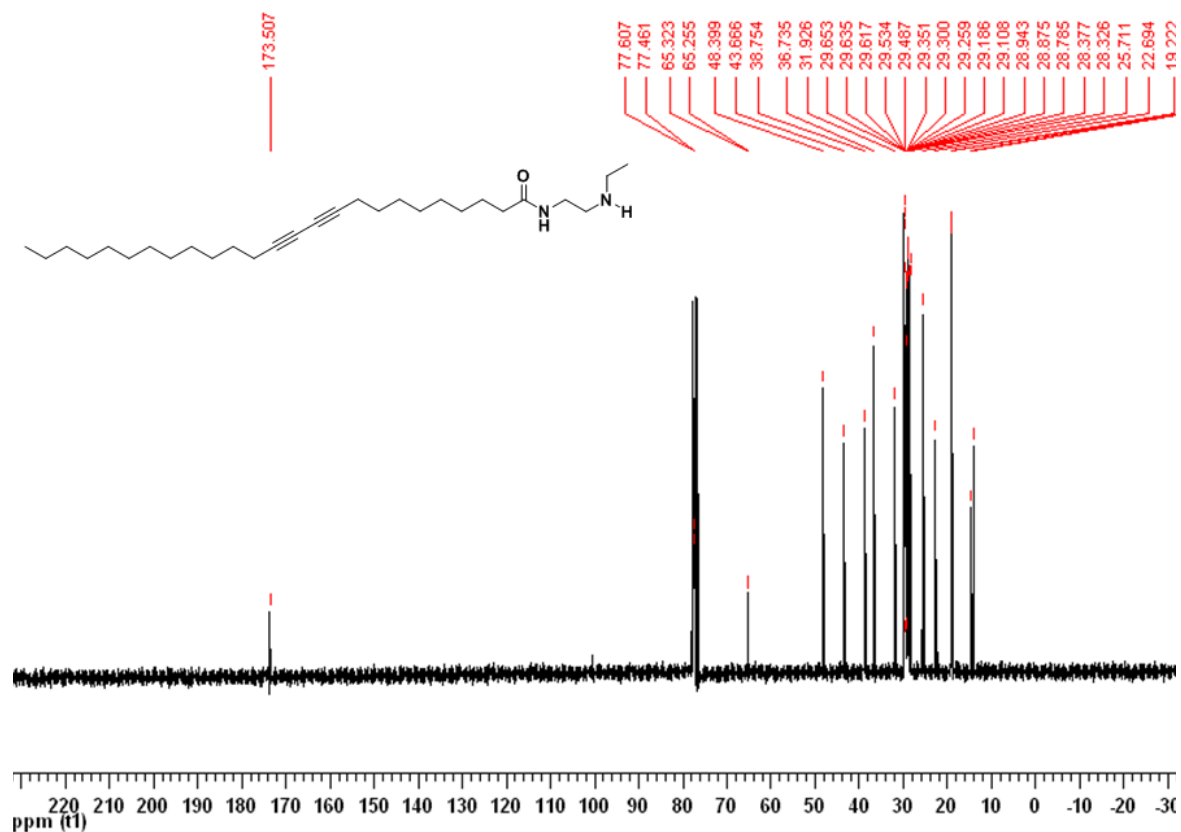


Figure4. S4: ¹³C NMR of 2 in CDCl₃

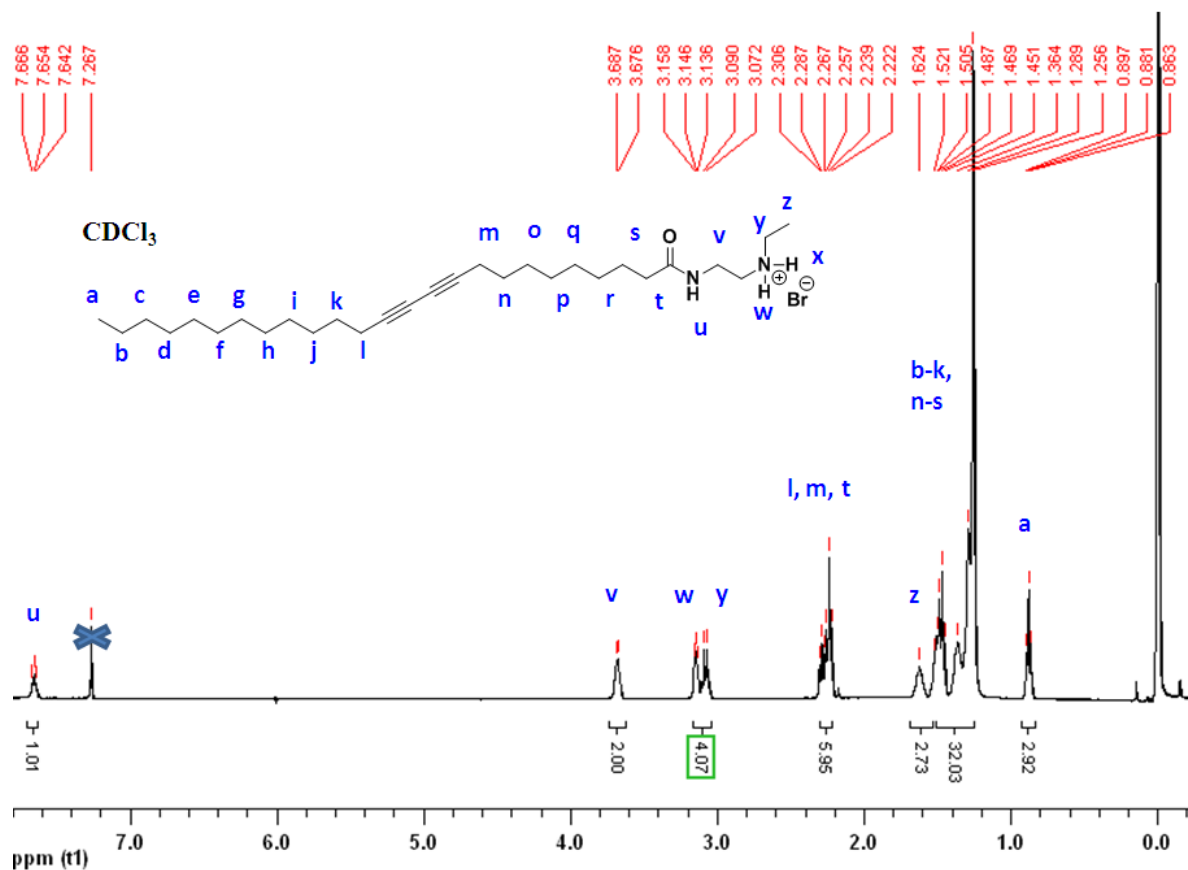


Figure5. S5: ¹H NMR of 3 in CDCl₃

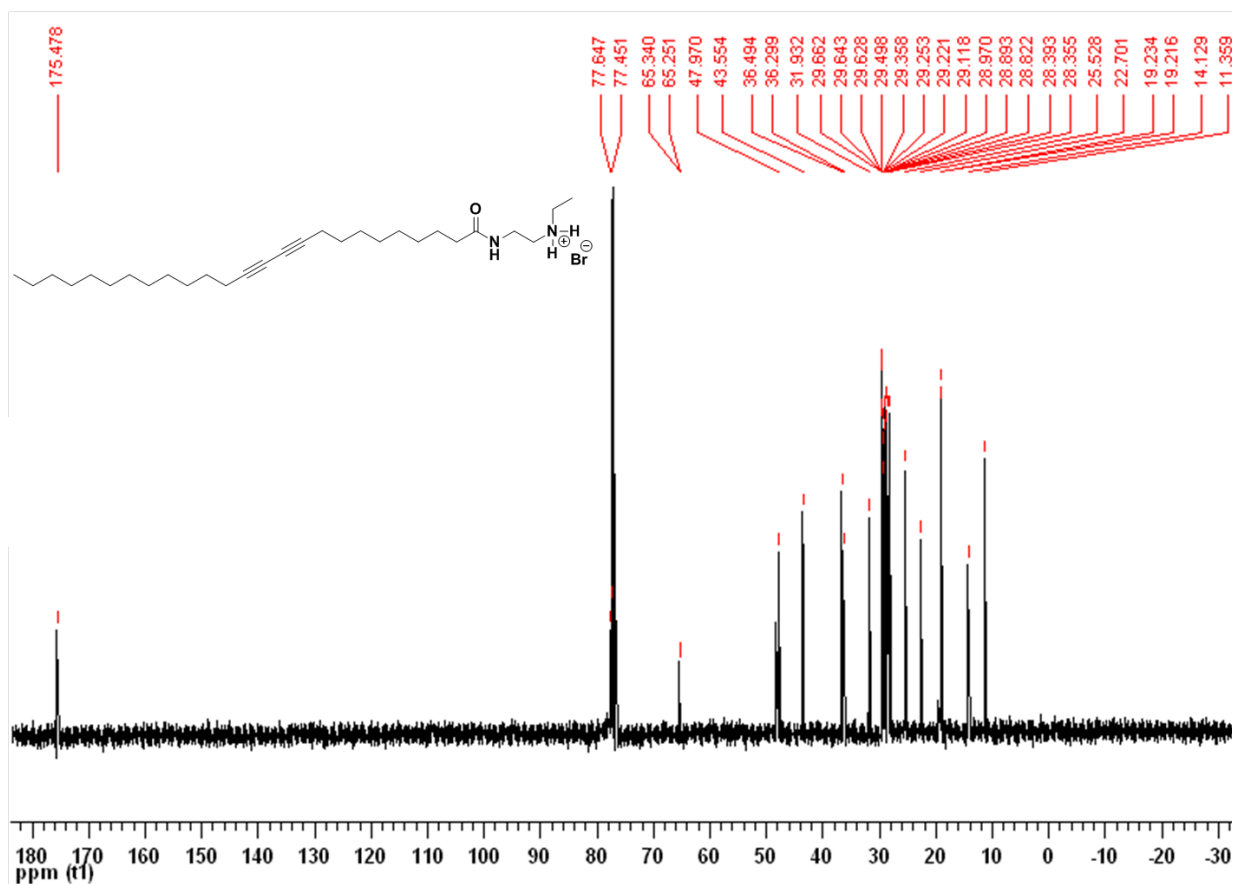


Figure. S6: ¹³C NMR of 3 in CDCl₃

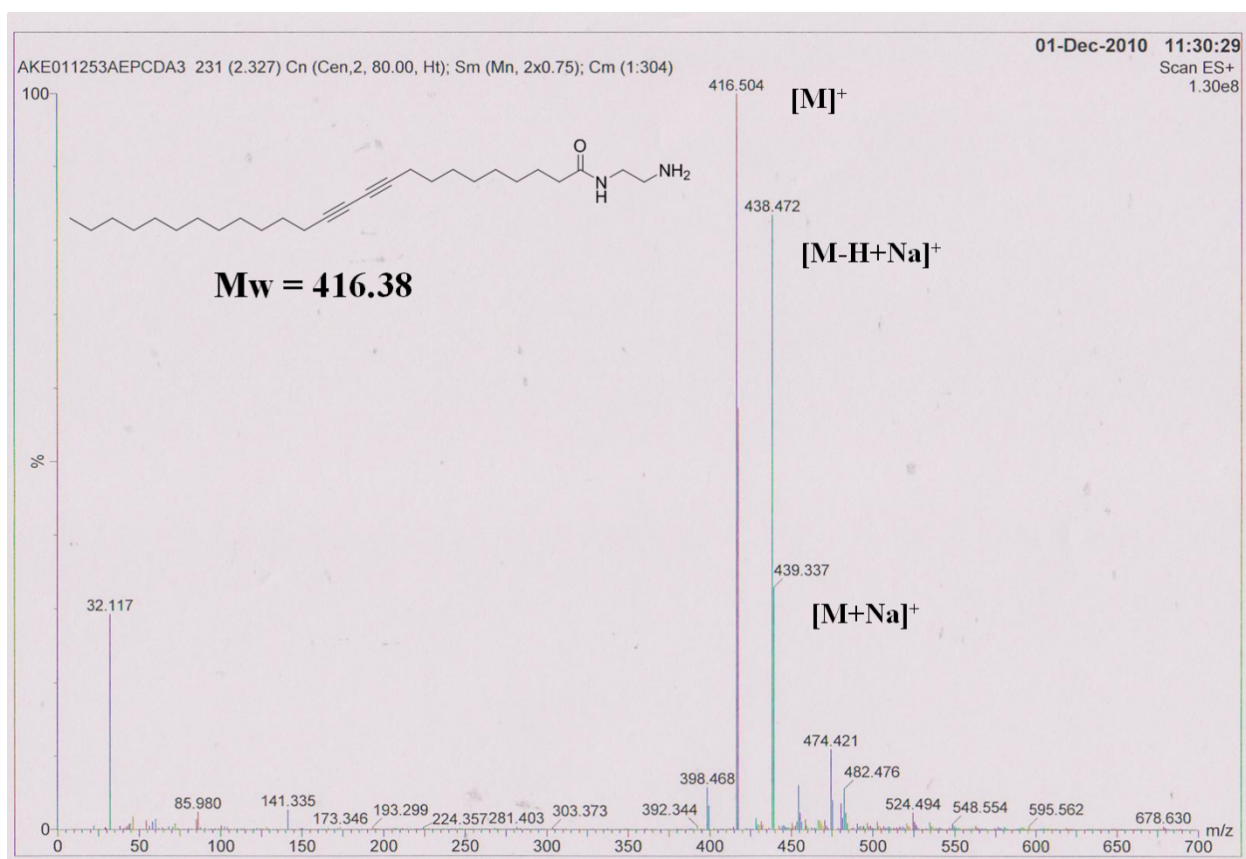


Figure. S7: Mass spectra (ESI+) of **1**

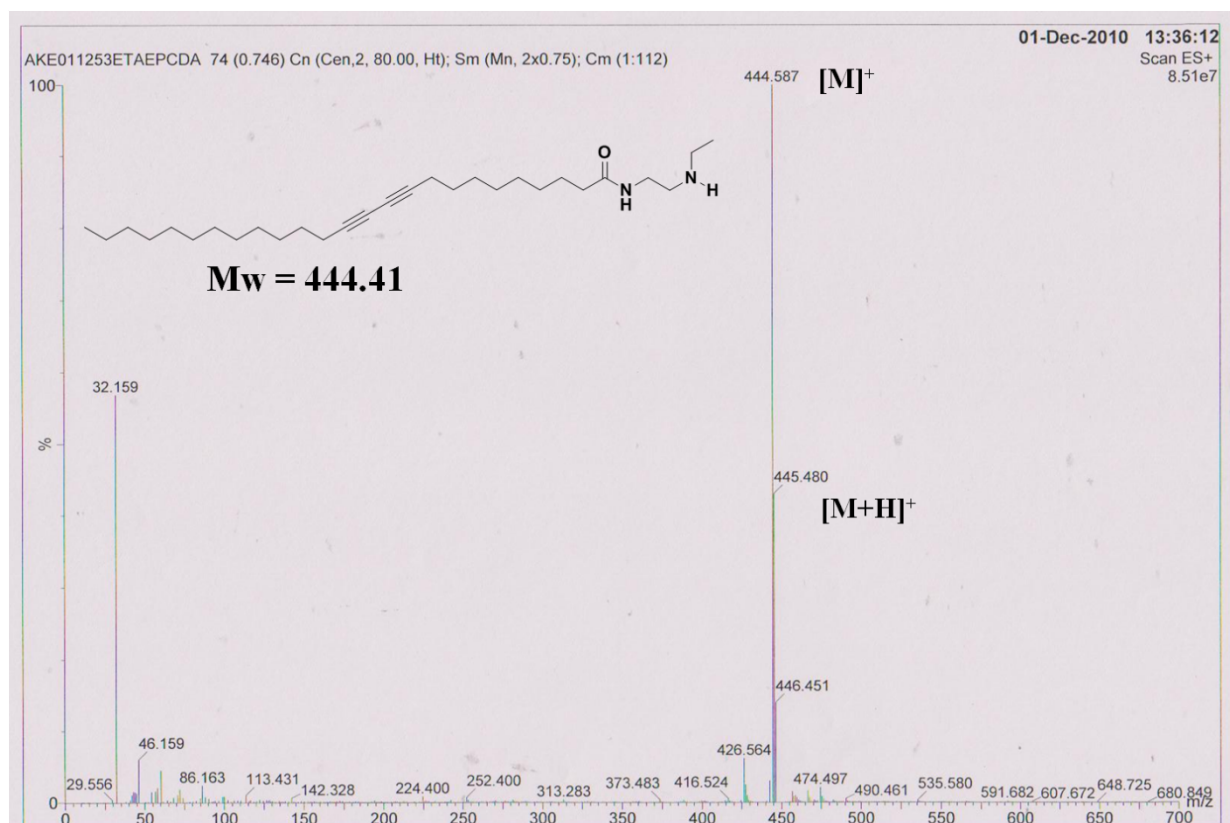


Figure. S8: Mass spectra (ESI+) of **2**

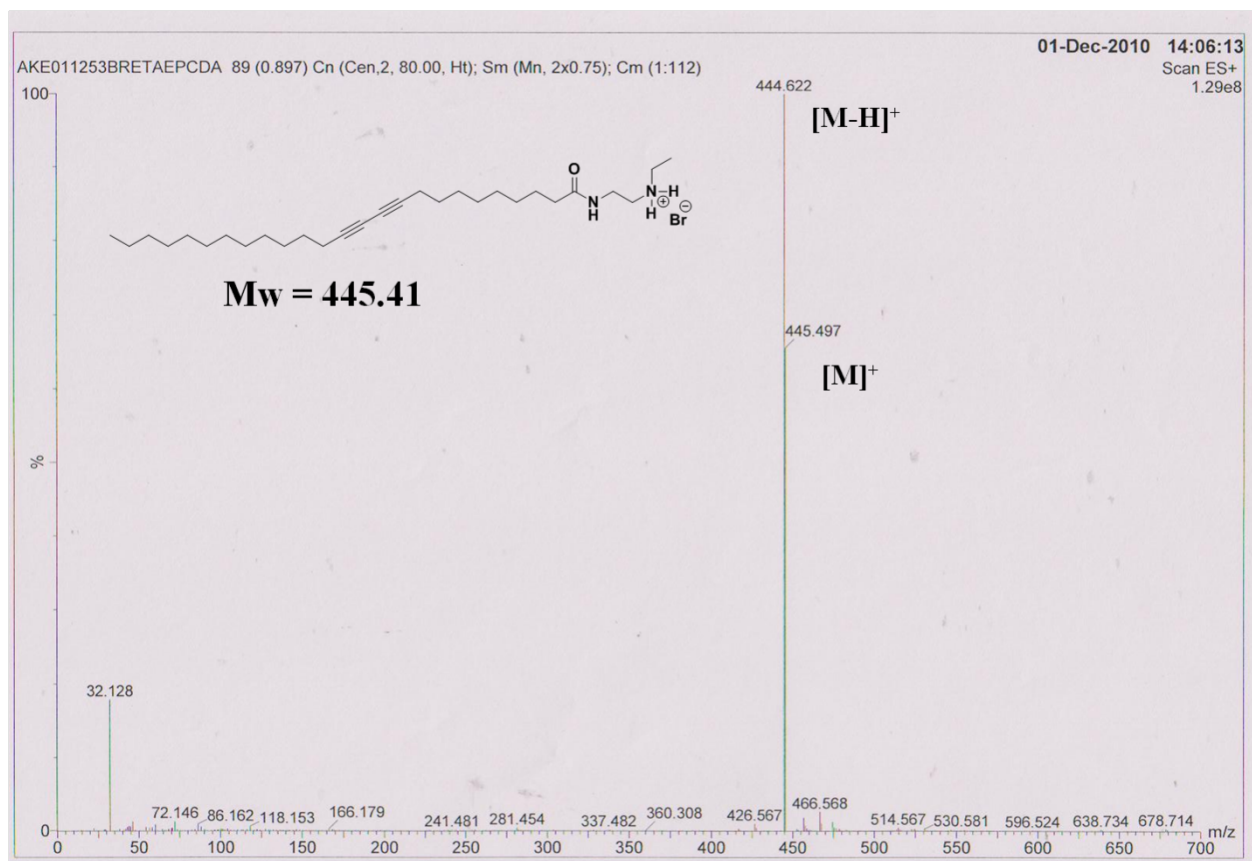


Figure. S9: Mass spectra (ESI+) of **3**

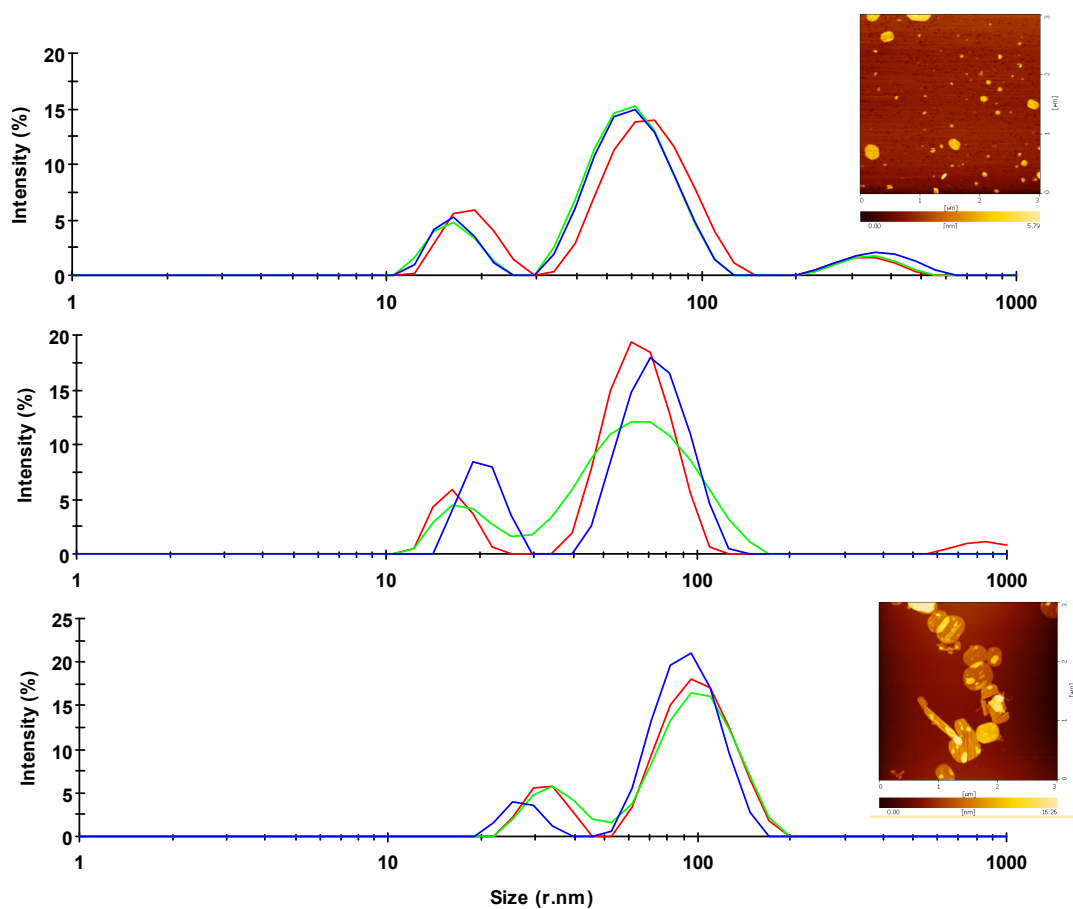


Figure. S10: Size distribution obtained from dynamic light scattering of PDA derived from **2**, before and after addition of SDBS at 10 and 50 μM . Insets are AFM images of PDA of **2** before and after addition of SDBS at 50 μM .

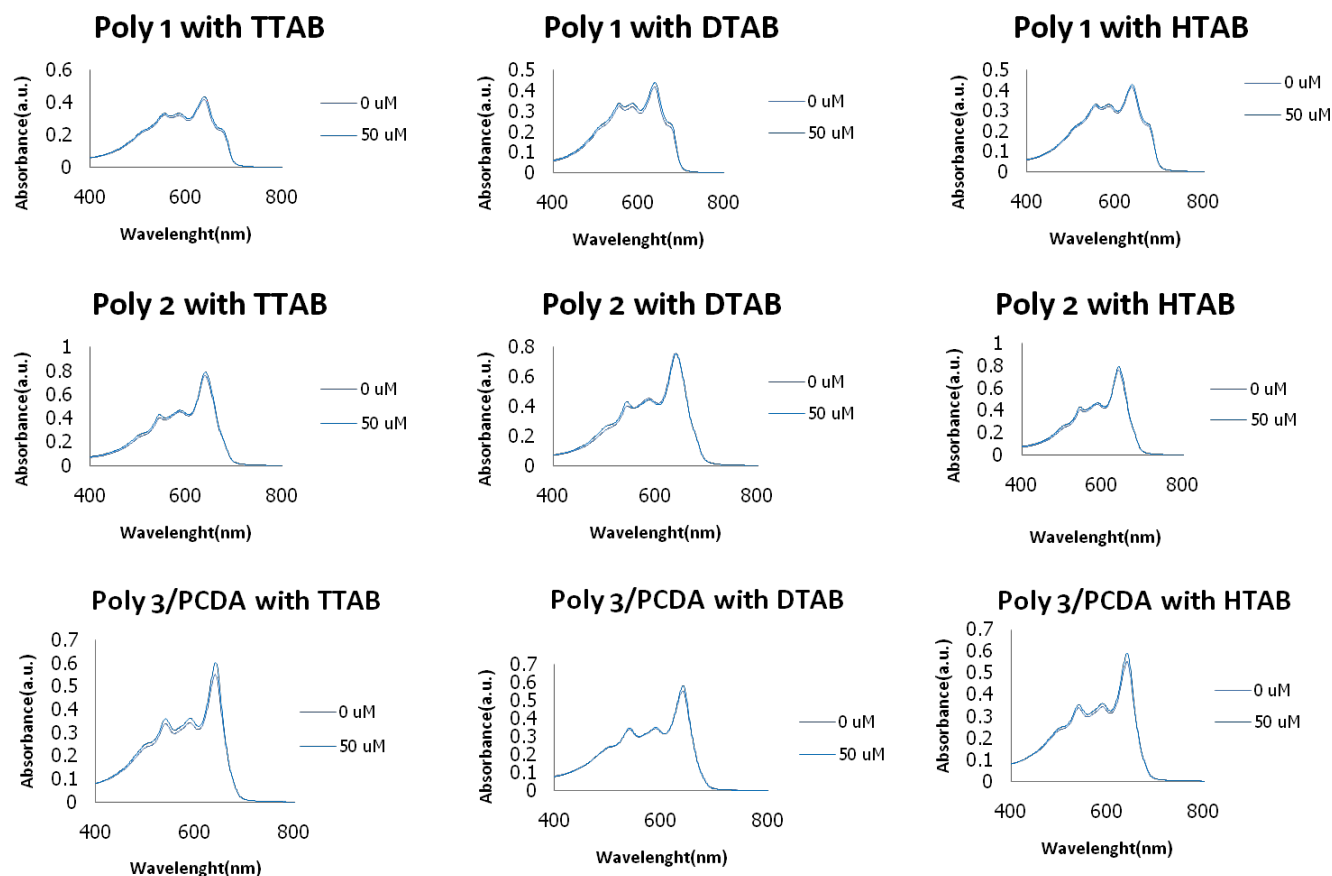


Figure. S11: UV-visible spectrum of 1, 2, and 3/PCDA with TTAB, DTAB and HTAB

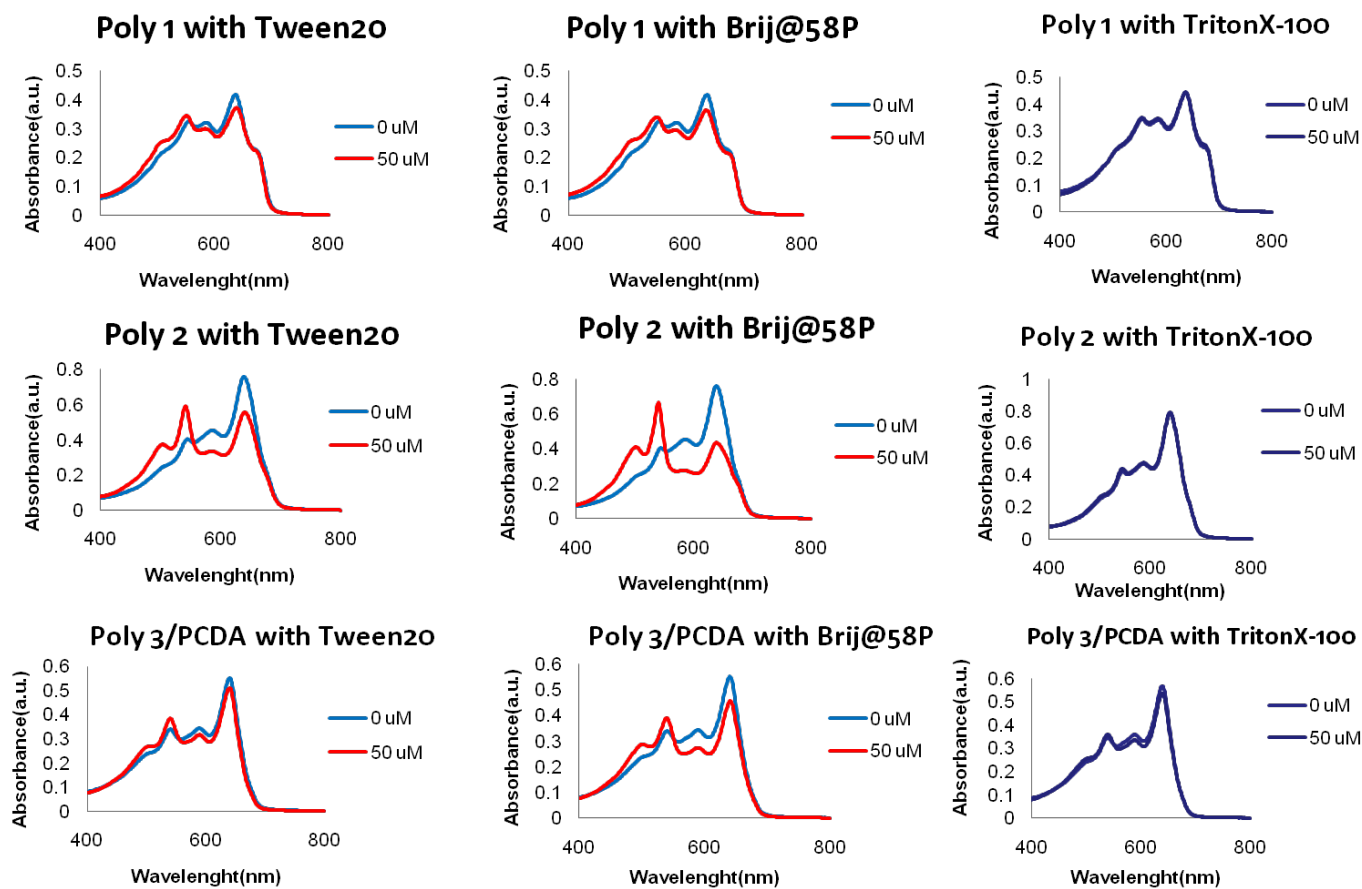


Figure. S12: UV-visible spectrum of 1, 2, and 3/PCDA with Tween20, Brij@58P and TritonX-100