\(^1\)H-NMR (400 MHz) of the RAFT agent 3-(benzylsulfanyl thiocarbonylsulfanyl) propionic acid (a), polystyrene RAFT-ended (b), the block copolymer polystyrene-\(b\)-poly(methyl acrylate) RAFT-ended (c)
UV-Vis spectra of the RAFT agent 3-(benzylsulfanyl thiocarbonylsulfanyl) propionic acid (green line), the block copolymer polystyrene-b-poly(methyl acrylate) RAFT-ended (blue line) and styrene (red line)

Polymer bound fluorescein detection

500 μL of the aqueous suspension of micelles treated with fluorescein diacetate 5-maleimide were loaded onto Microcon Ultrace YM10 columns (MW cut 10,000 Dalton) and centrifuged at 14,000 x g for 30 min. The recovered high molecular weight fractions was washed and centrifuged 5 times with 500μl of acetonitrile 20%. The final amount of high molecular weight-bound fluorescein recovered from the top of the column was evaluated by using the Victor 3 fluorescence reader. Recovered fluorescence amount was obtained by interpolation with a fluorescein standard calibration curve and resulted to be 10% of the added fluorescein.