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Title	Synthesis of 3-, 4-, 5-, 6-, 7-, 8-, 9-, 10-, 11-, and 12-armed star-shaped poly(styrene oxide) Ru(II) complexes by a click-to-chelate approach
Author(s)	Chen, Yougen; Xiao, Nao; Satoh, Toshifumi et al.
Citation	Polymer Chemistry, 5(17), 4993-5001 https://doi.org/10.1039/c4py00314d
Issue Date	2014-09-07
Doc URL	https://hdl.handle.net/2115/58419
Type	journal article
File Information	SI T. Kakuchi-03.04.pdf, Supporting Information



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Supporting Information

Precise Synthesis of Multi-arm Poly(styrene oxide) Ru(II) Complexes by Click-to-Chelate Approach

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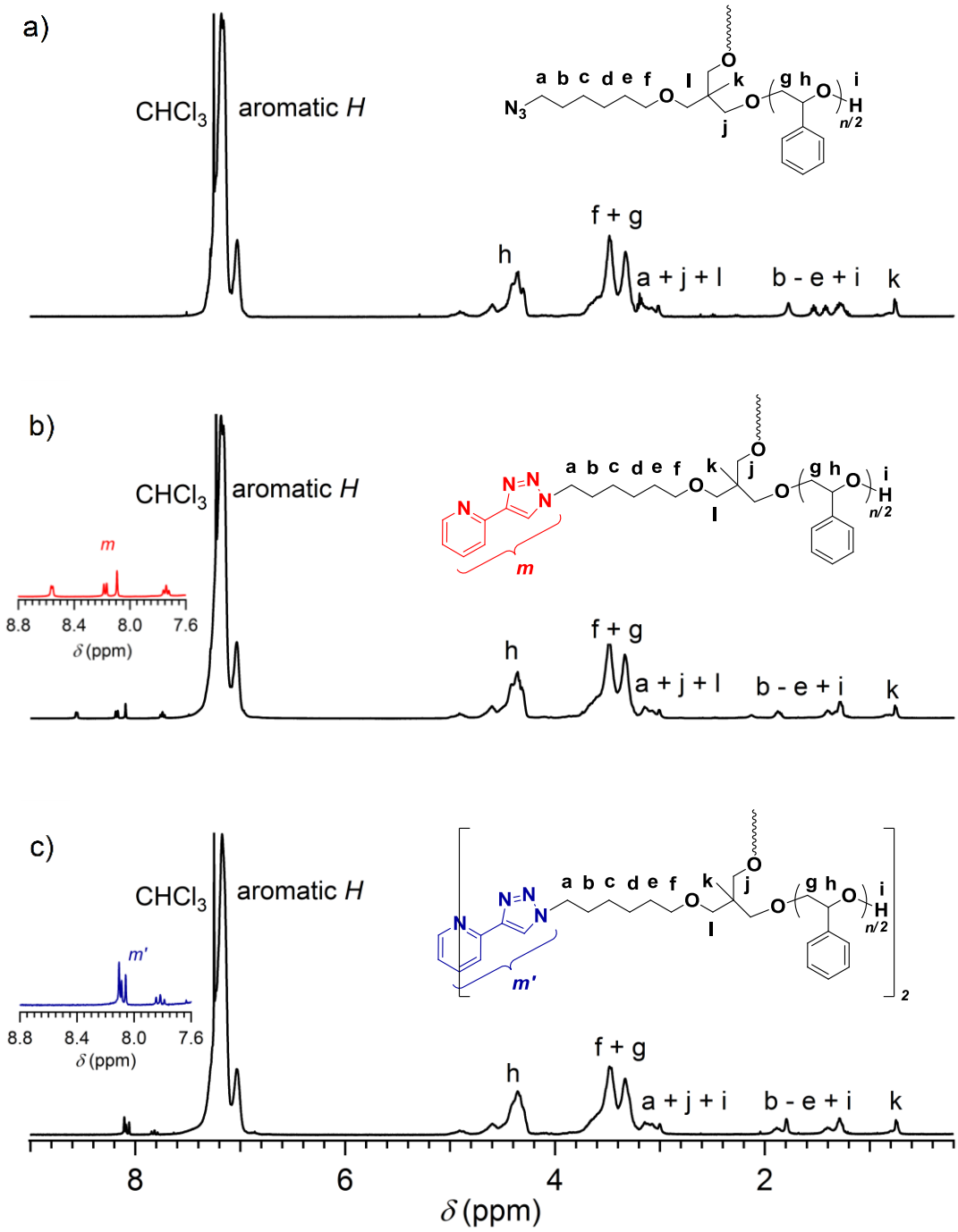


Figure S1. ^{1}H NMR spectra of a) PSO_2-N_3, b) PSO_2-tapy, and c) $(PSO_2)_2$-bitapy in $CDCl_3$.

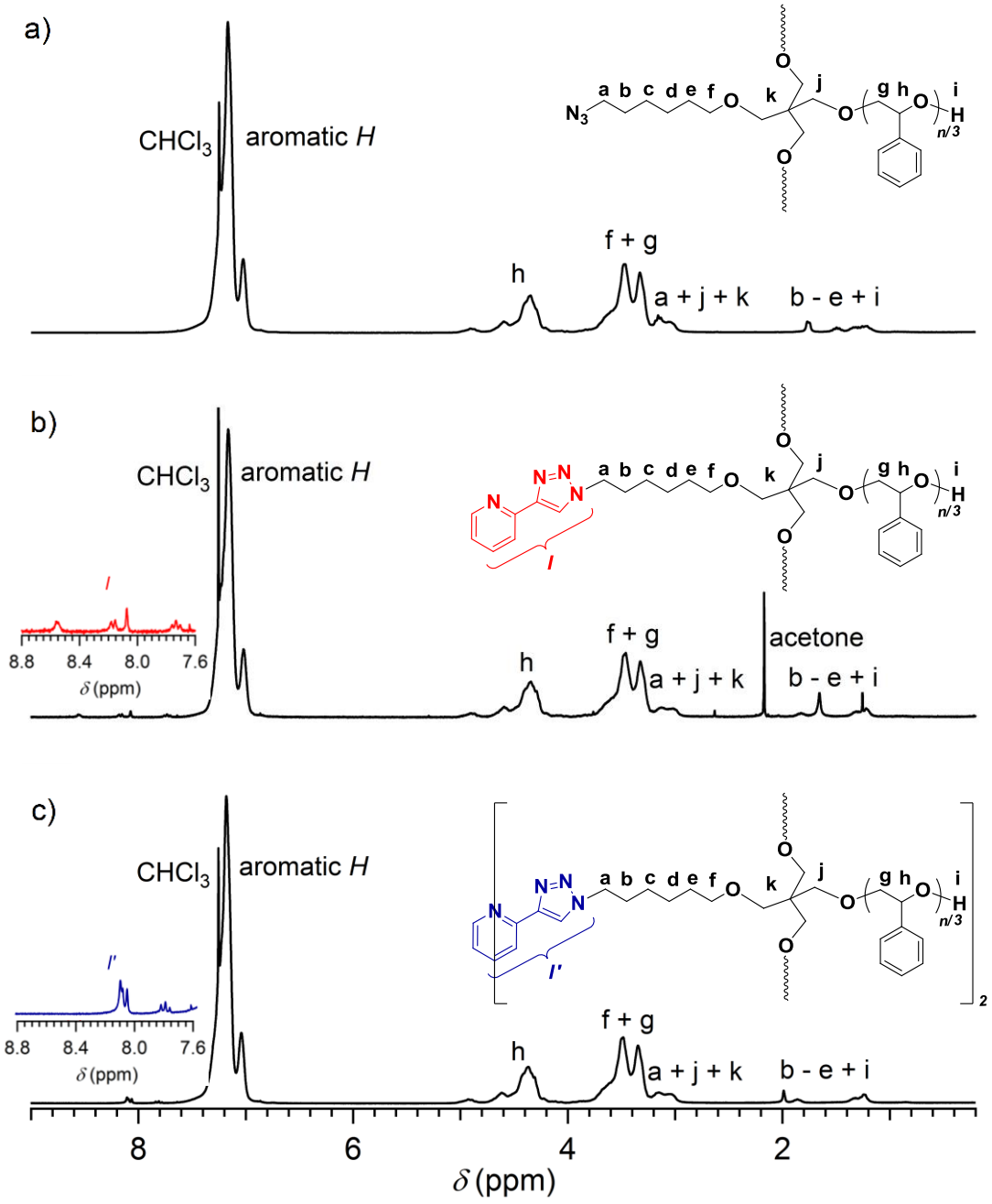


Figure S2. ^{1}H NMR spectra of a) PSO_3-N_3, b) PSO_3-tapy, and c) $(PSO_2)_3$-bitapy in $CDCl_3$.

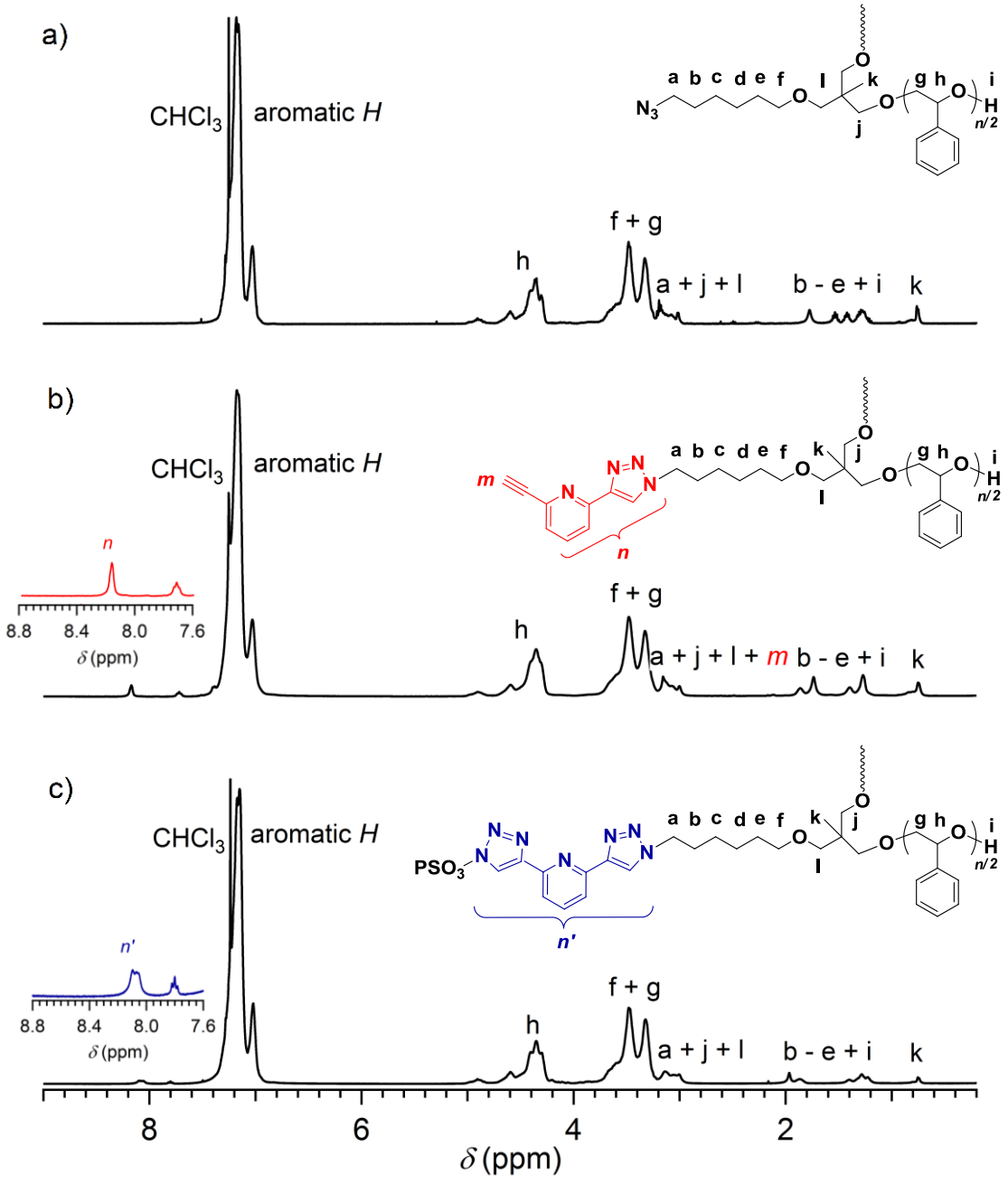


Figure S3. ^{1}H NMR spectra of a) PSO_2-N_3, b) PSO_2-etapy, and c) $(PSO_2)_2$-bitapy-$(PSO_2)_3$ in $CDCl_3$.

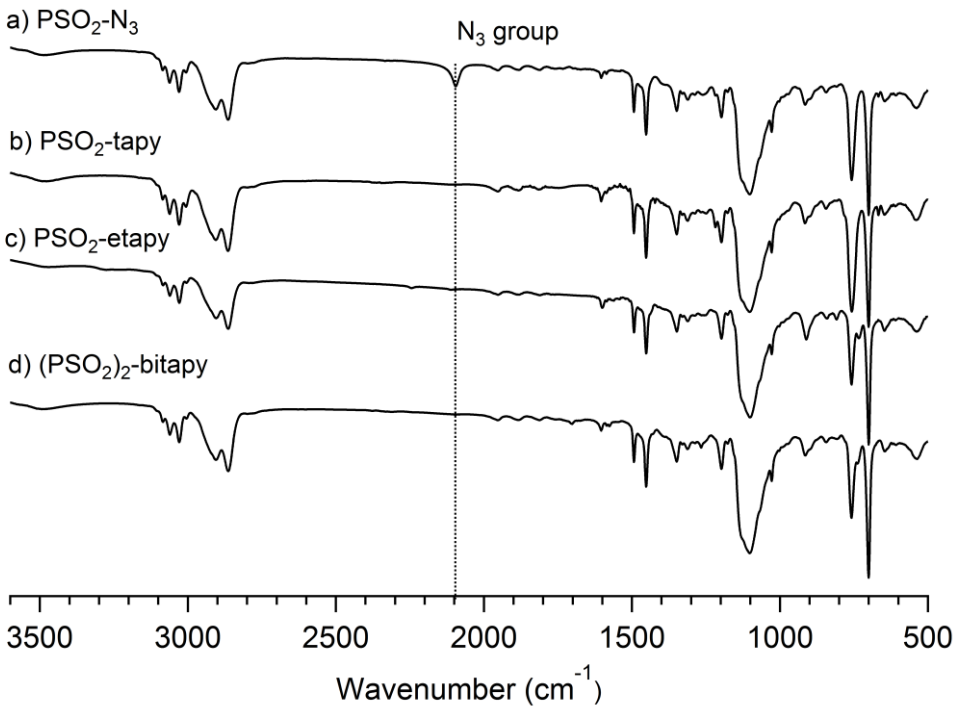


Figure S4. IR spectra of a) PSO_2-N_3, b) PSO_2-tapy, c) PSO_2-etapy, and d) $(PSO_2)_2$-bitapy.

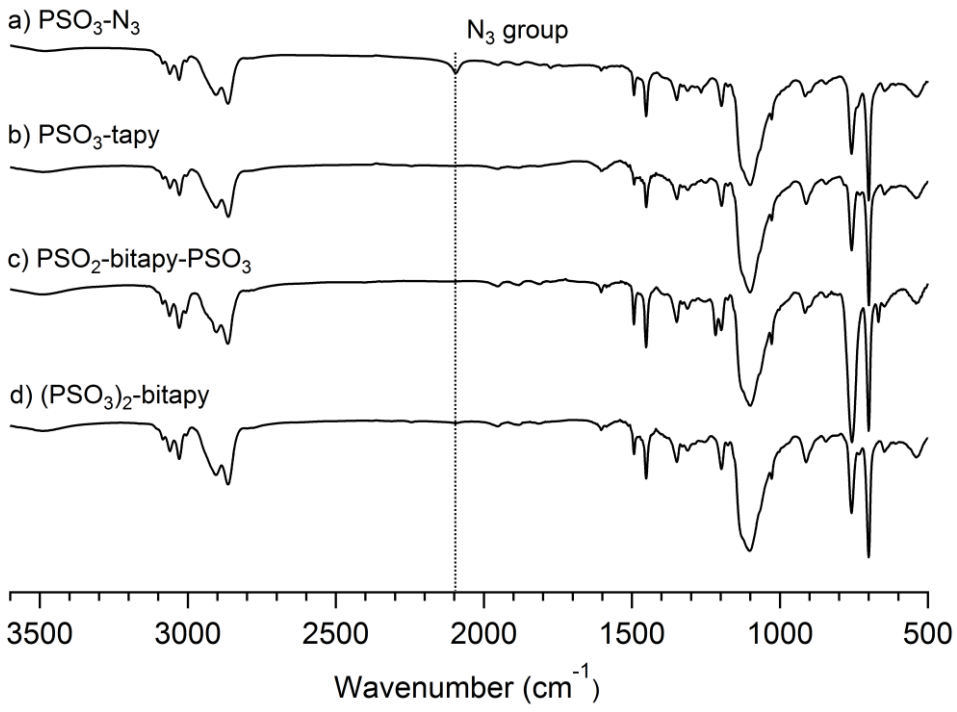


Figure S4. IR spectra of a) PSO_3-N_3, b) PSO_3-tapy, c) PSO_2-bitapy-PSO_3, and d) $(PSO_2)_3$-bitapy.

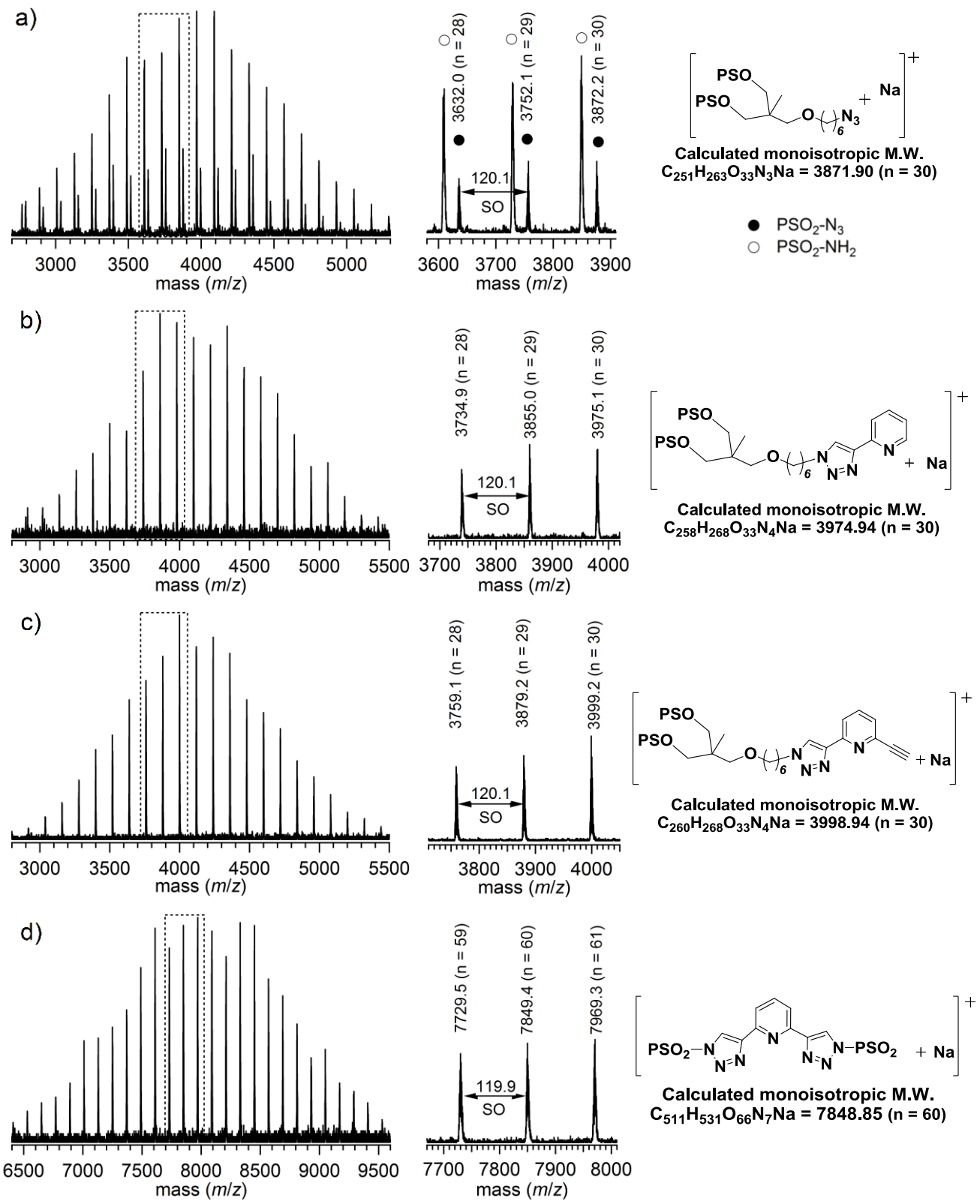


Figure S5. MALDI-TOF MS spectra (reflector mode) of a) PSO_2-N_3, b) PSO_2-tapy, c) PSO_2-etapy, and d) $(PSO_2)_2$-bitapy.

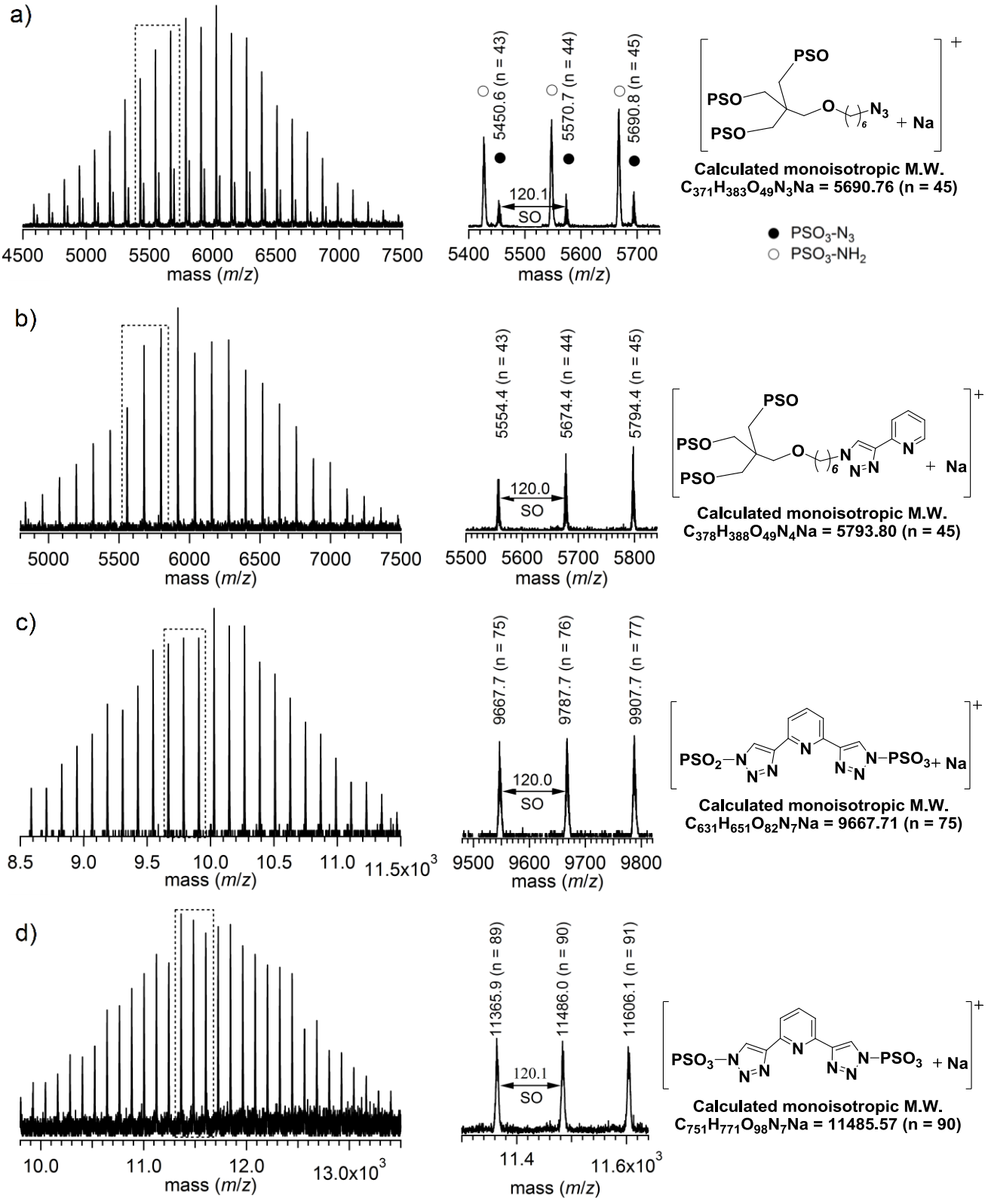


Figure S6. MALDI-TOF MS spectra (reflector mode) of a) PSO_3-N_3, b) PSO_3-tapy, c) PSO_2-bitapy-PSO_3, and d) $(PSO_3)_2$-bitapy.