

Using Triethylborane to Manipulate Reactivity Ratios in Epoxide-Anhydride Copolymerization: Application to the Synthesis of Polyethers with Degradable Ester Functions

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SUPPLEMENTARY MATERIAL

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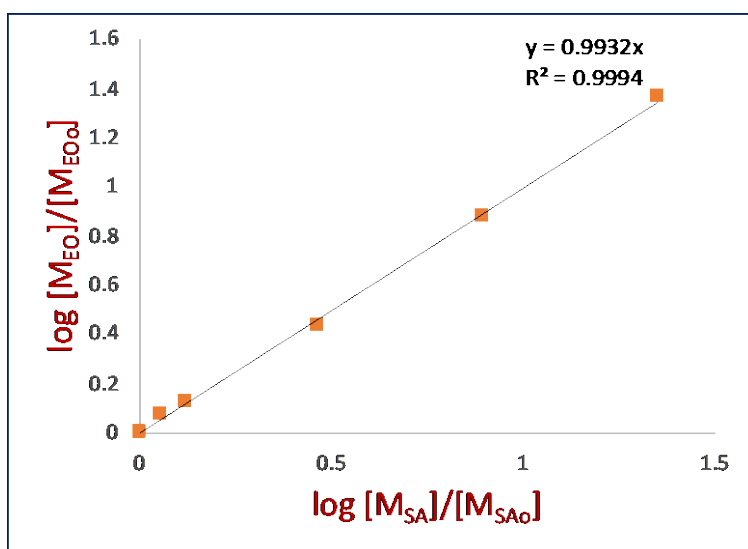
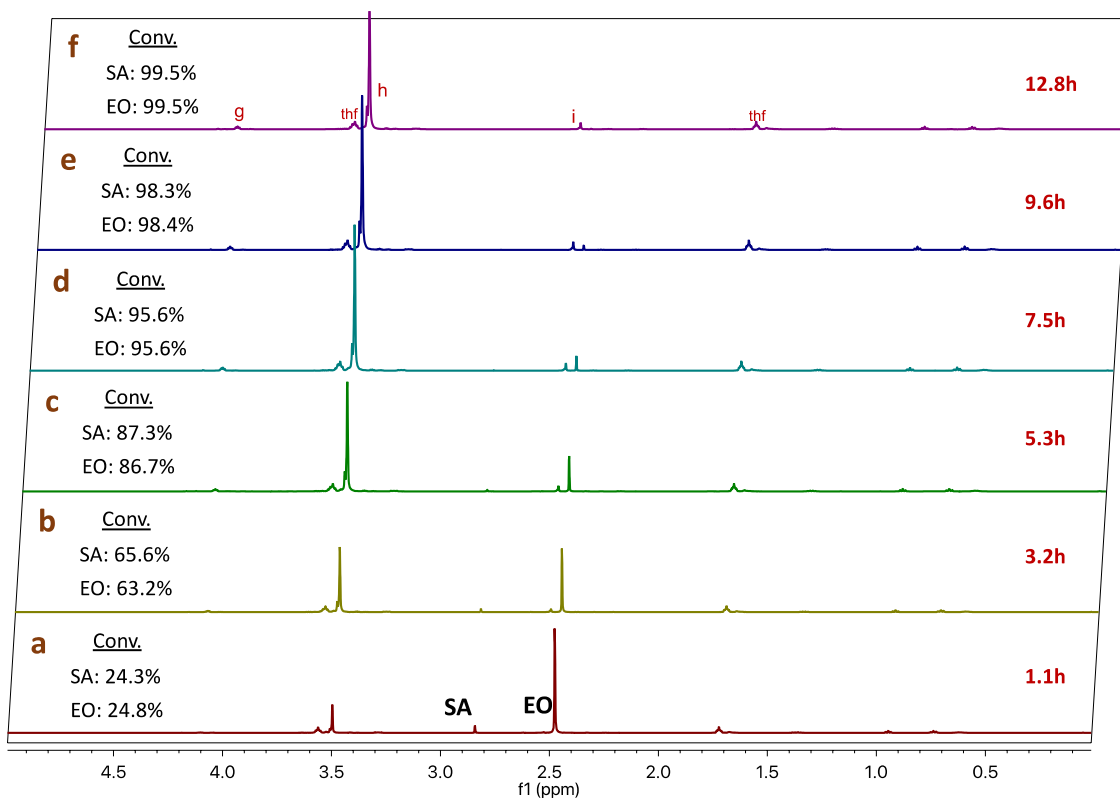
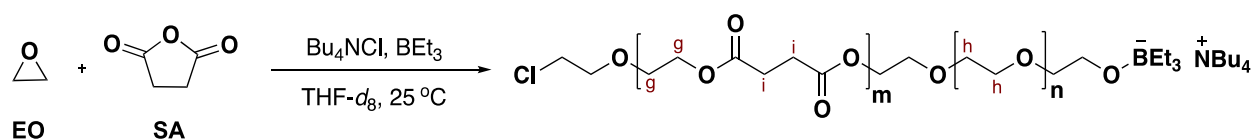
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Reaction conditions:

Bu₄NCl : 1 eq
SA : 5 eq
EO : 100 eq
BEt₃ : 1.30 eq

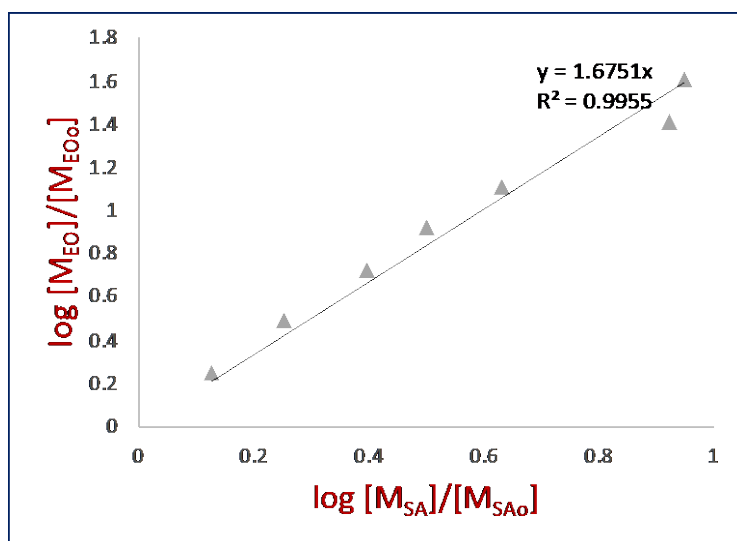
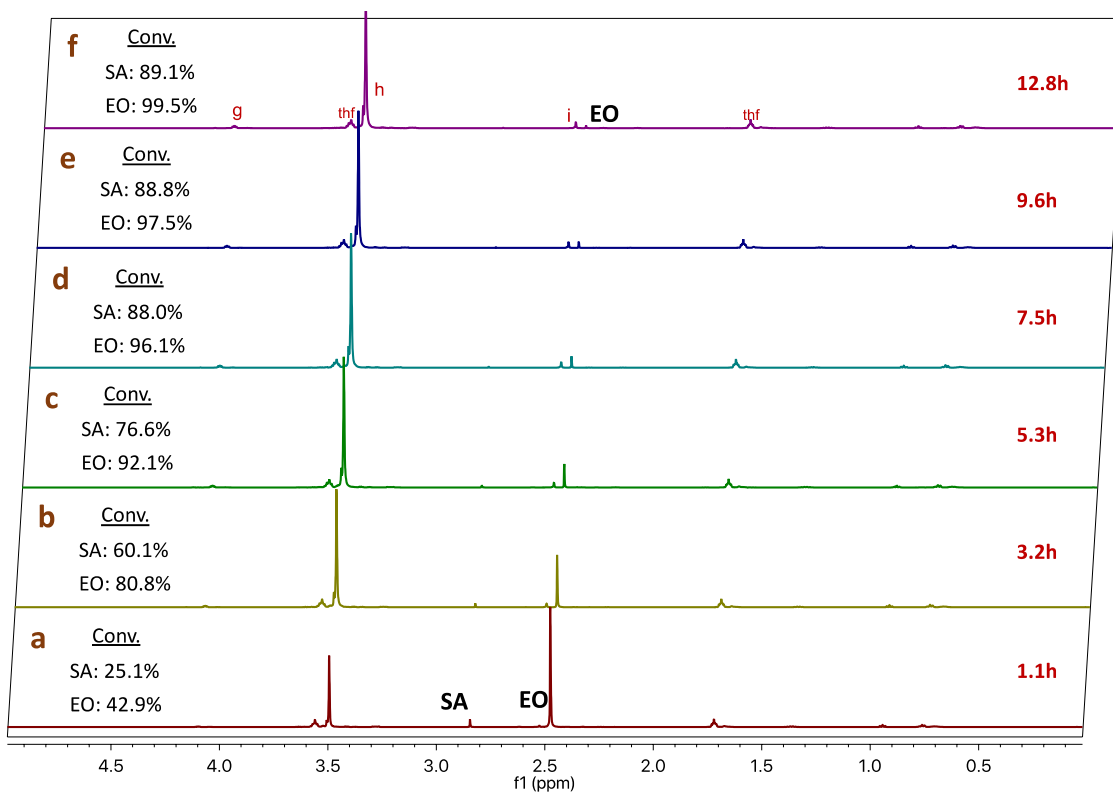
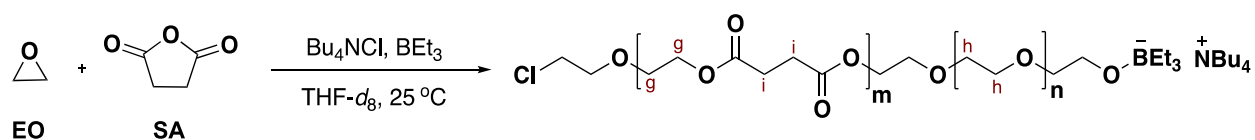
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Reaction conditions:

Bu₄NCl : 1 eq
 SA : 5 eq
 EO : 100 eq
 BEt₃ : 1.70 eq

Figure S2. Representative *in situ* ¹H NMR kinetic experiment and Jaacks plot for entry 4, Table



Reaction conditions:

Bu₄NCl : 1 eq
 SA : 5 eq
 EO : 100 eq
 BEt₃ : 2.30 eq

Figure S3. Representative *in situ* ¹H NMR kinetic experiment and Jaacks plot for entry 5, Table



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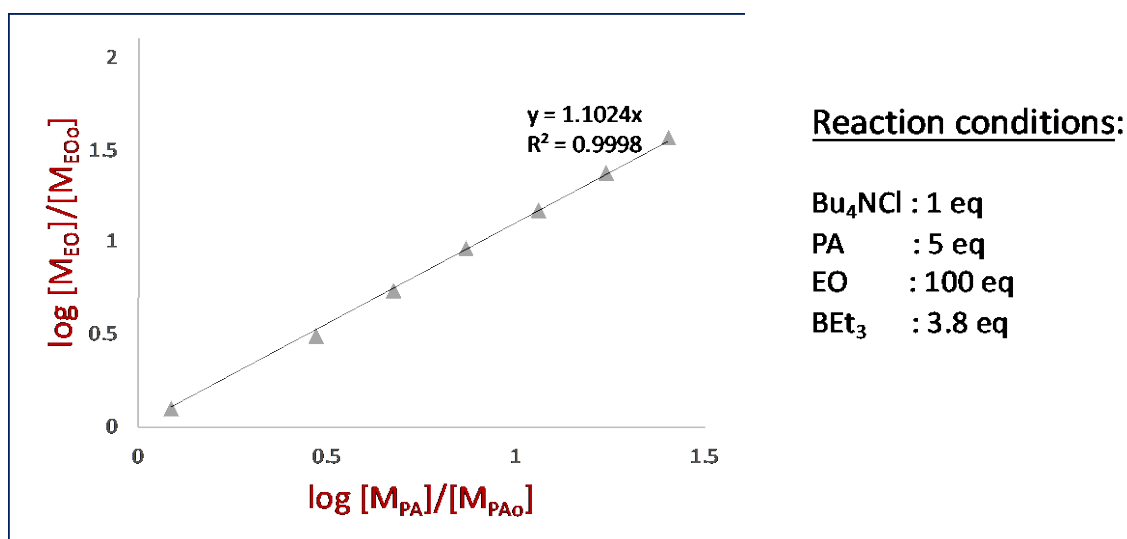
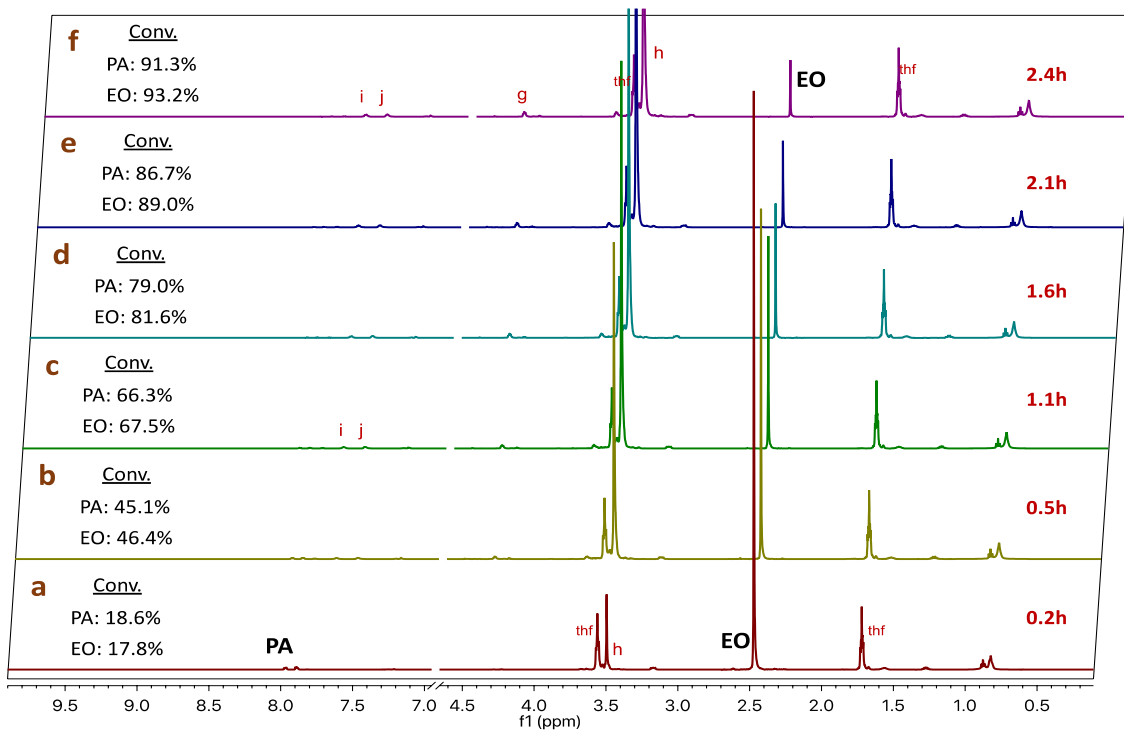
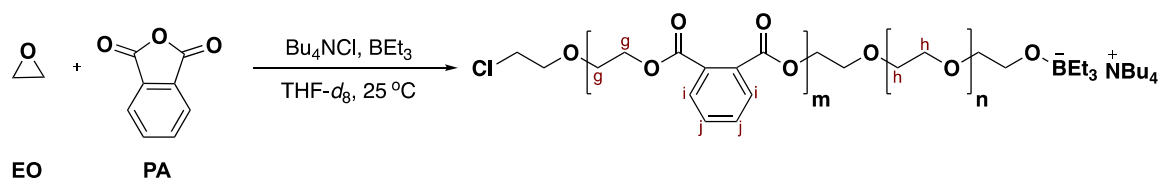


Figure S5. Representative *in situ* ¹H NMR kinetic experiment and Jaacks plot for entry 7, Table

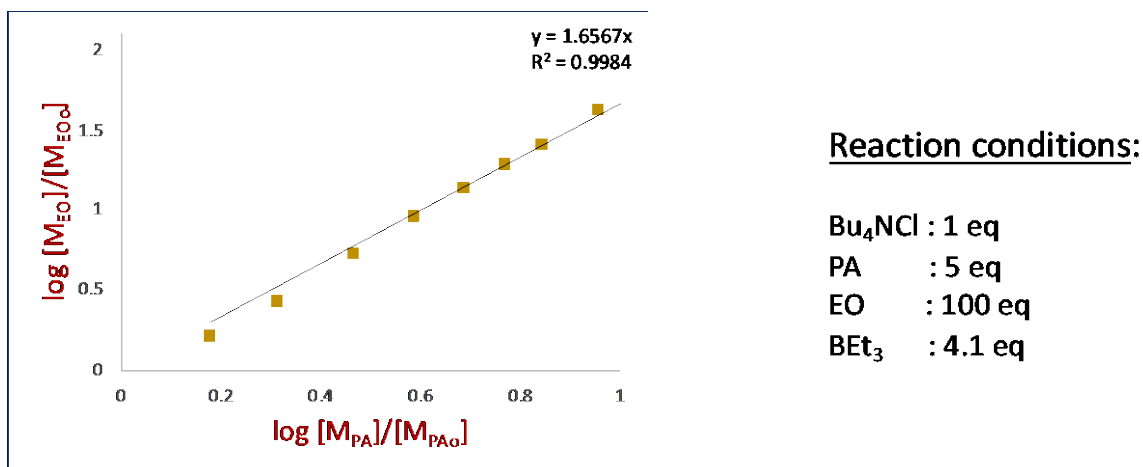
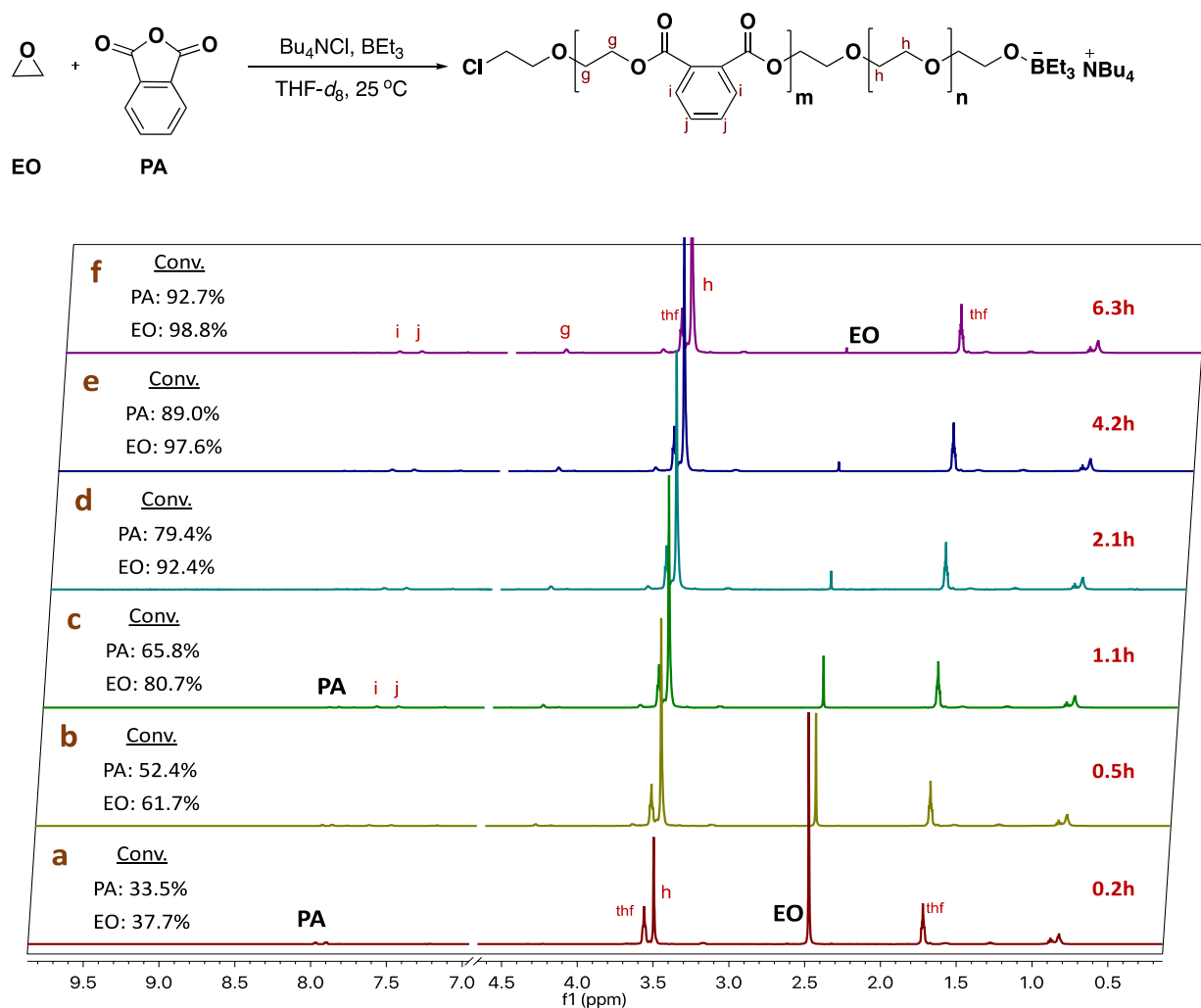


Figure S6. Representative *in situ* ^1H NMR kinetic experiment and Jaacks plot for entry 8, Table

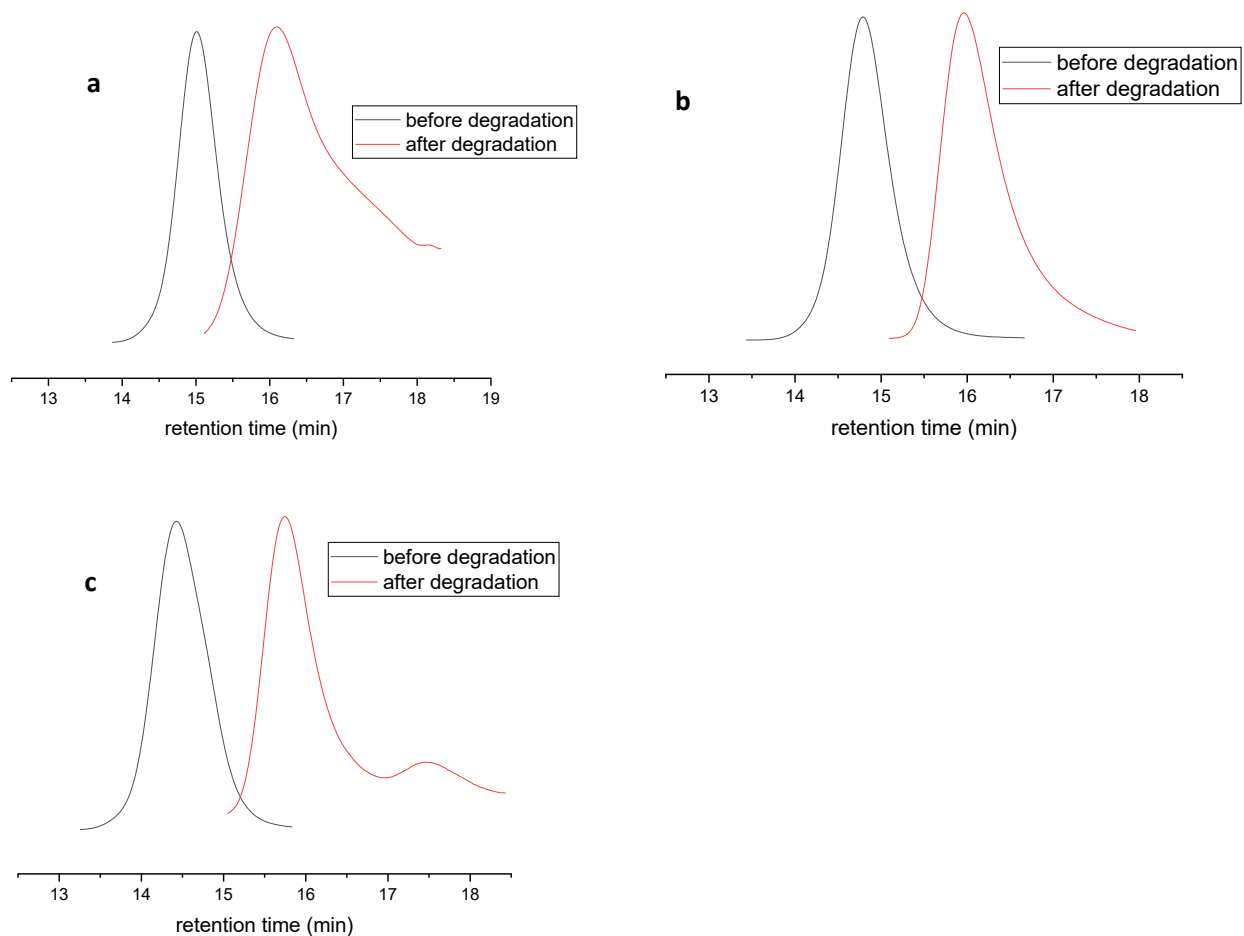


Figure S7. Representative GPC traces for SA/EO copolymers in entries 1,2,4 in Table 2. Black trace represents molar mass of polymer sample before degradation and red trace is after degradation. a: entry 1; b: entry 2; c: entry 4.

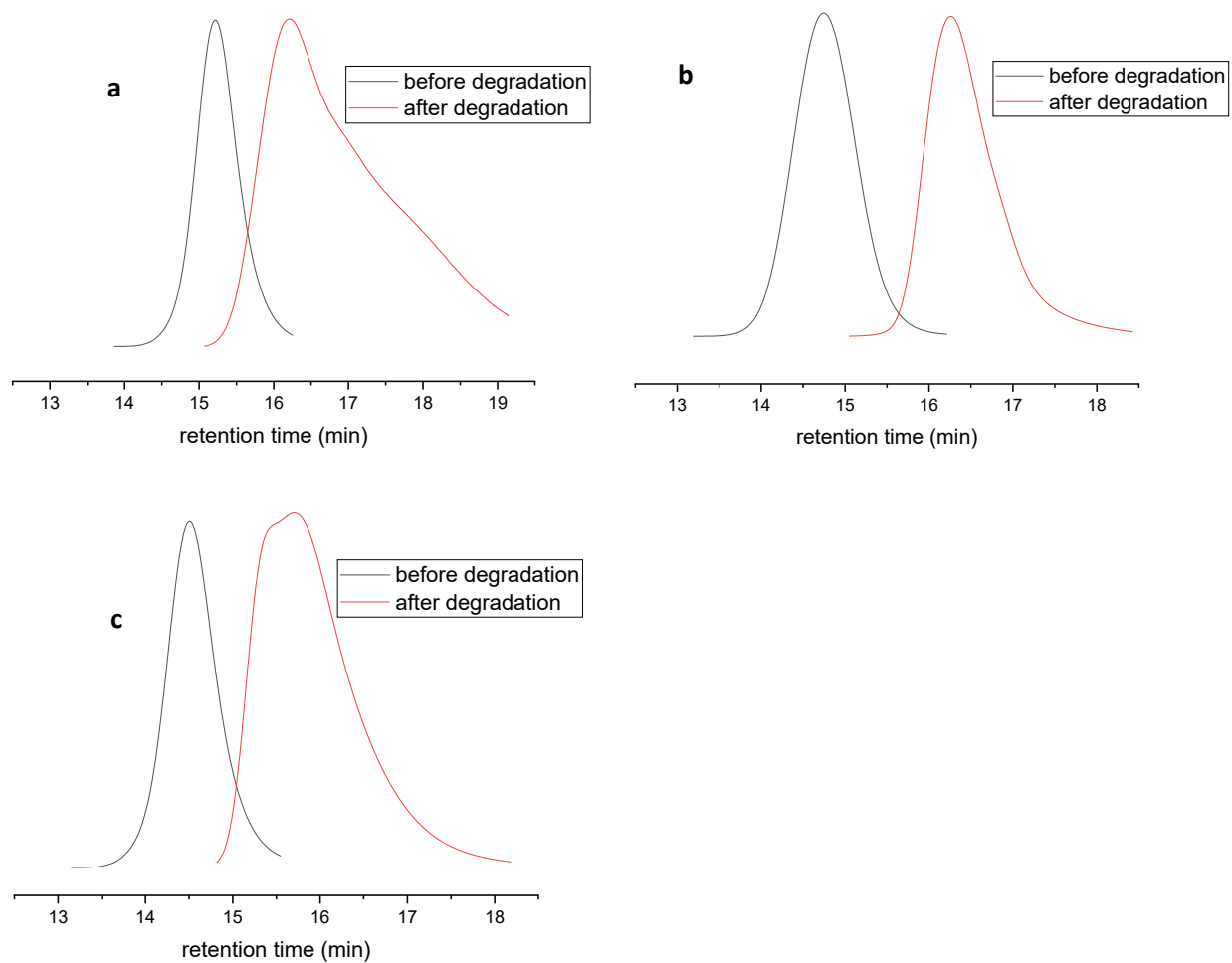


Figure S8. Representative GPC traces for PA/EO copolymers in entries 5,6,7 in Table 2. Black trace represents molar mass of polymer sample before degradation and red trace is after degradation. a: entry 5; b: entry 6; c: entry 7.