

Sodium Complexes Bearing Cavity-like Conformations: A Highly Active and Well-Controlled Catalytic System for Macrolactone Homo- and Copolymerizations

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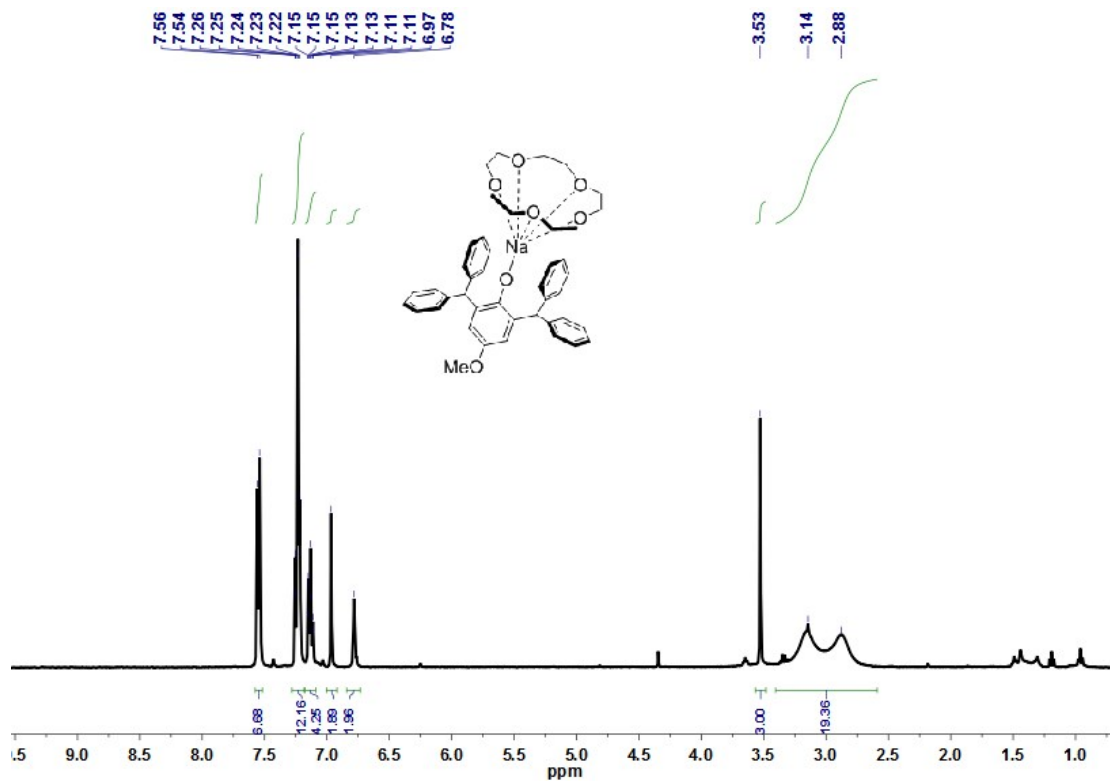


Figure S1. ^1H NMR spectrum of complex Na1.

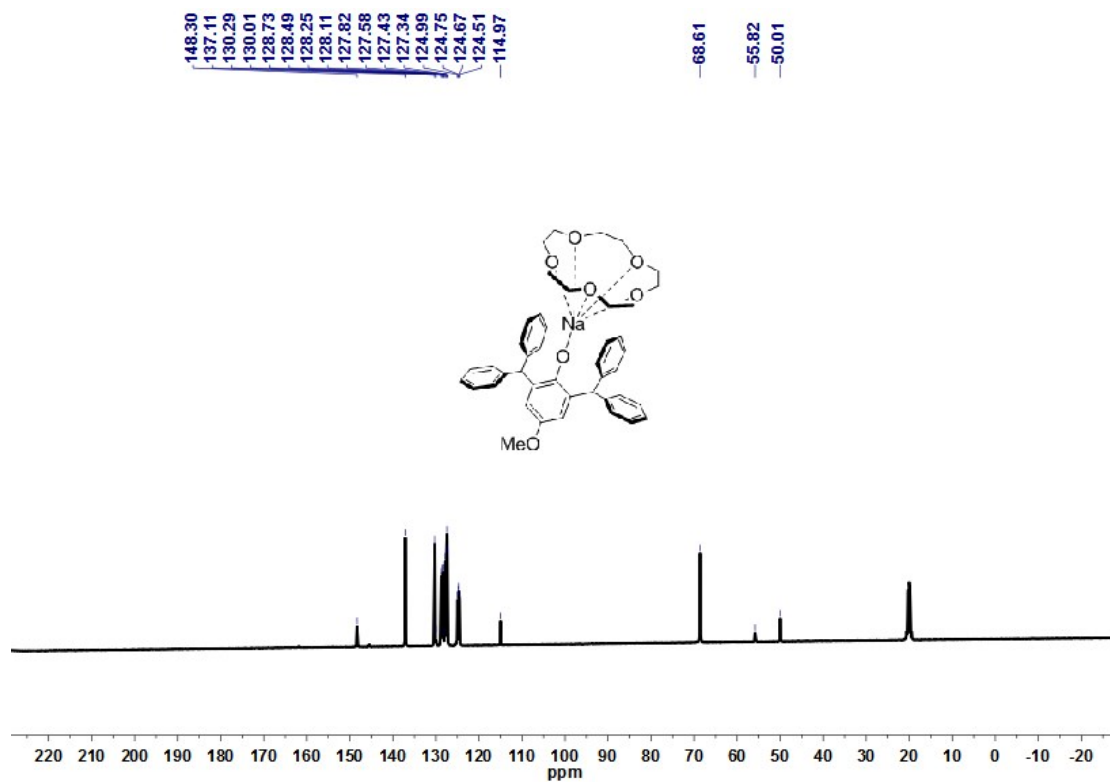


Figure S2. ^{13}C NMR spectrum of complex Na1.

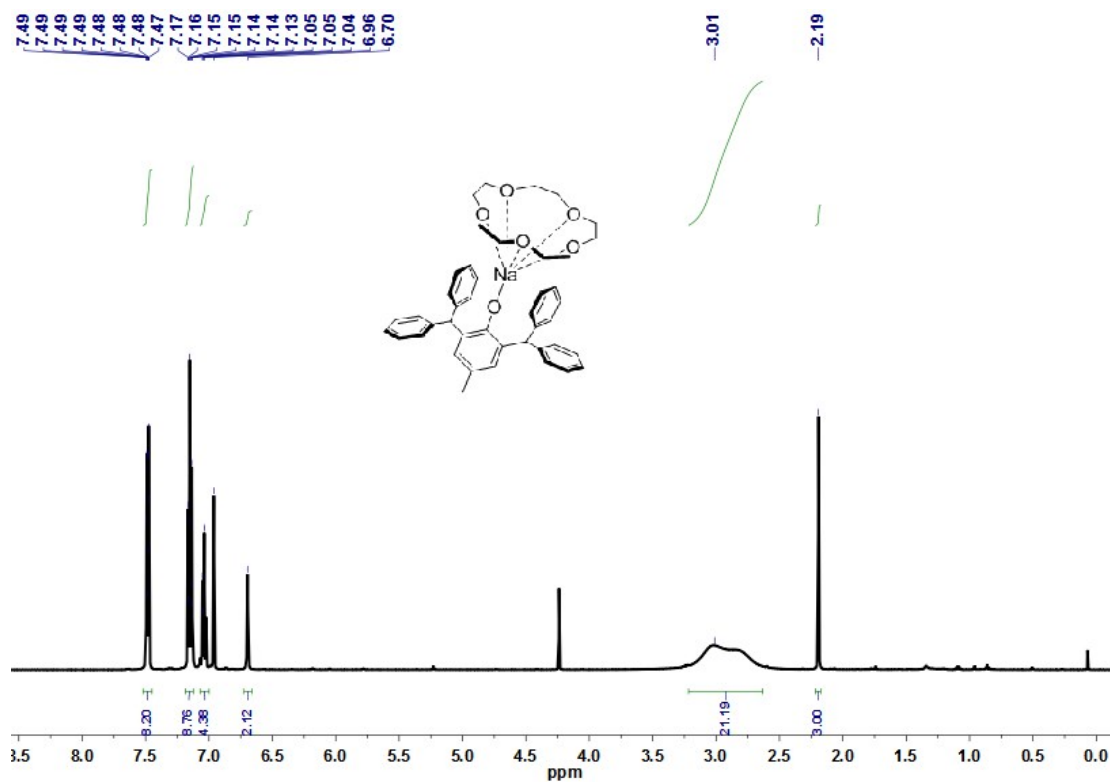


Figure S3. ^1H NMR spectrum of complex Na2.

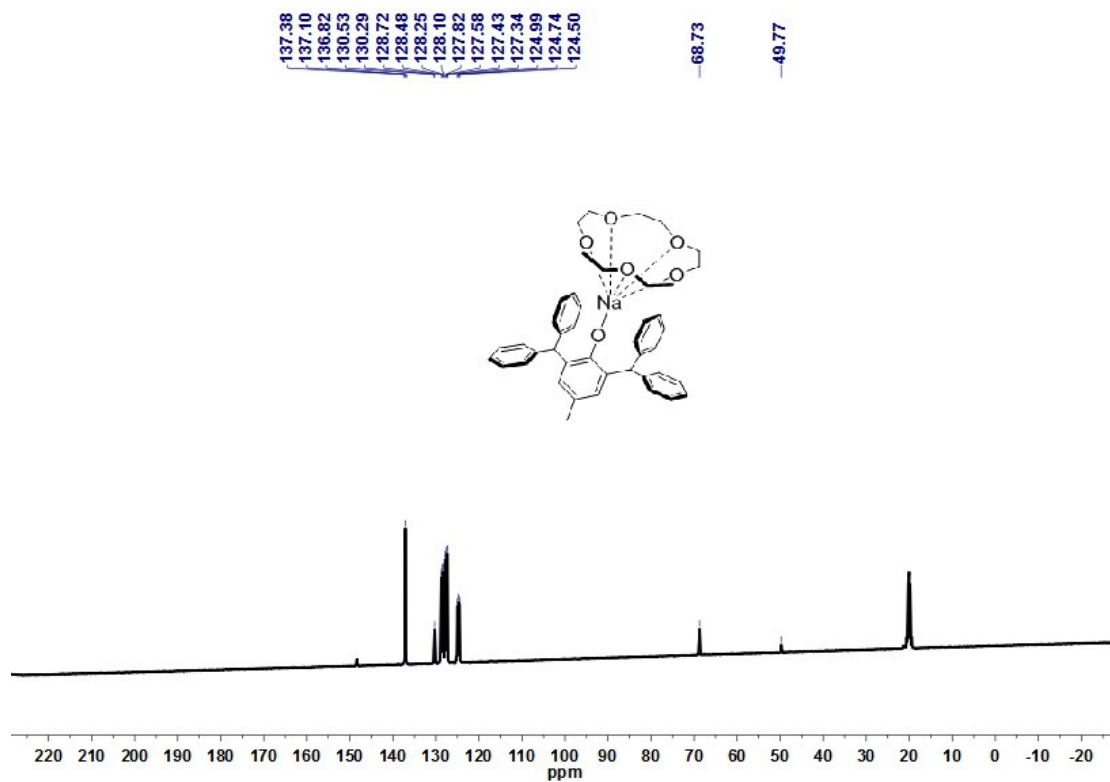


Figure S4. ^{13}C NMR spectrum of complex Na2.

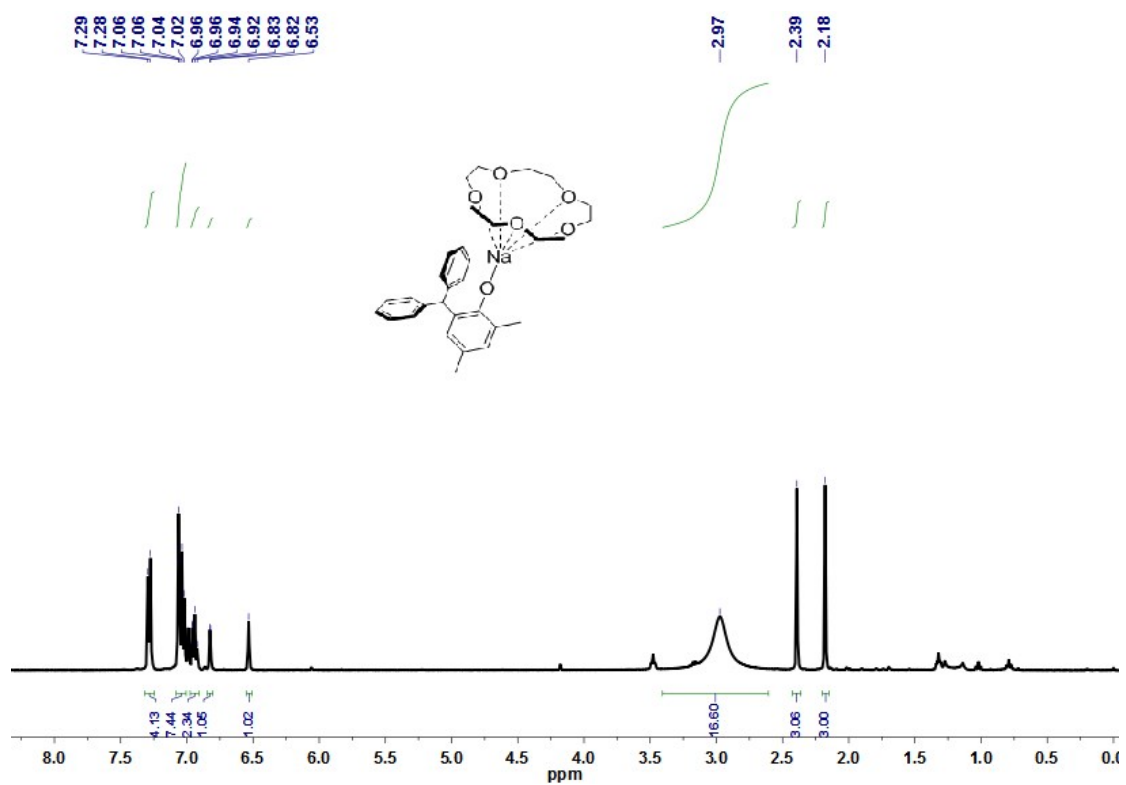


Figure S5. ^1H NMR spectrum of complex Na3.

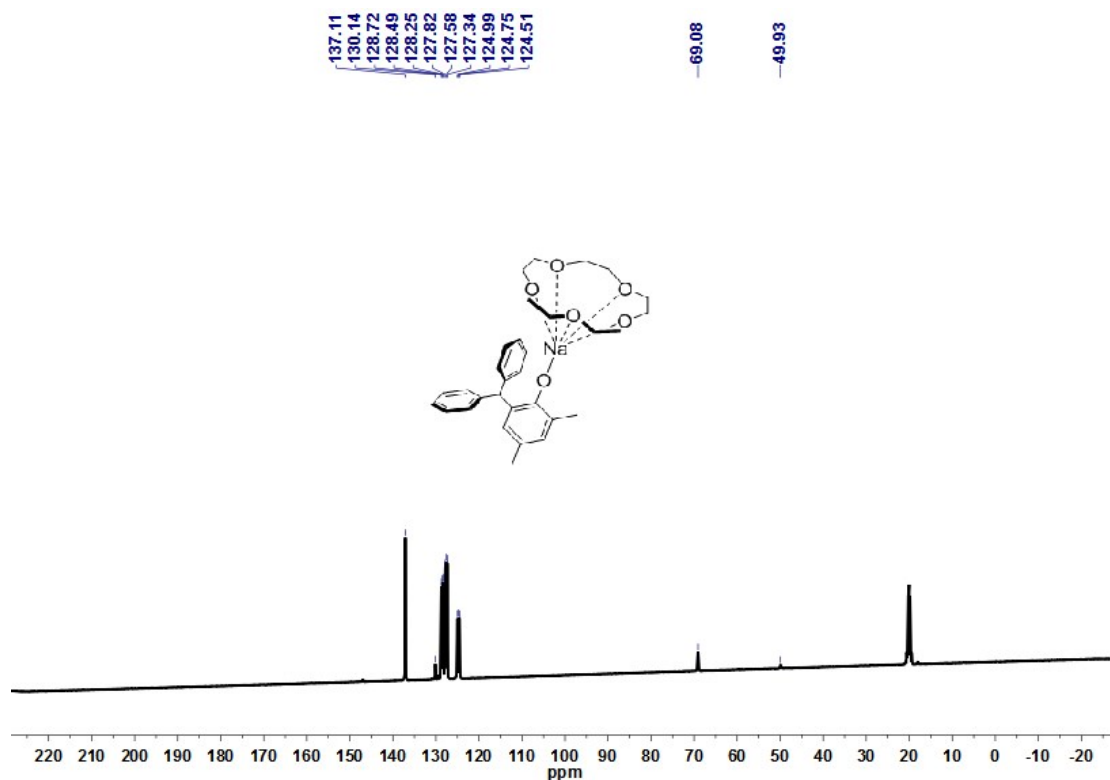


Figure S6. ^{13}C NMR spectrum of complex Na3.

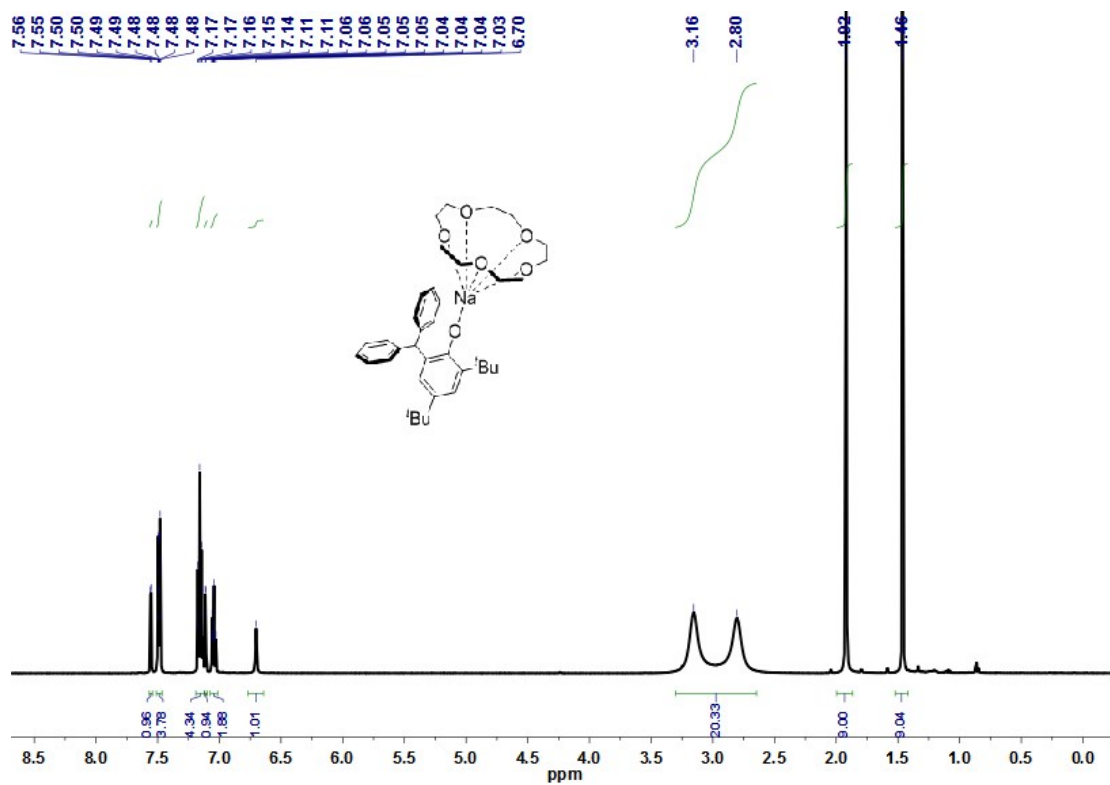


Figure S7. ^1H NMR spectrum of complex Na4.

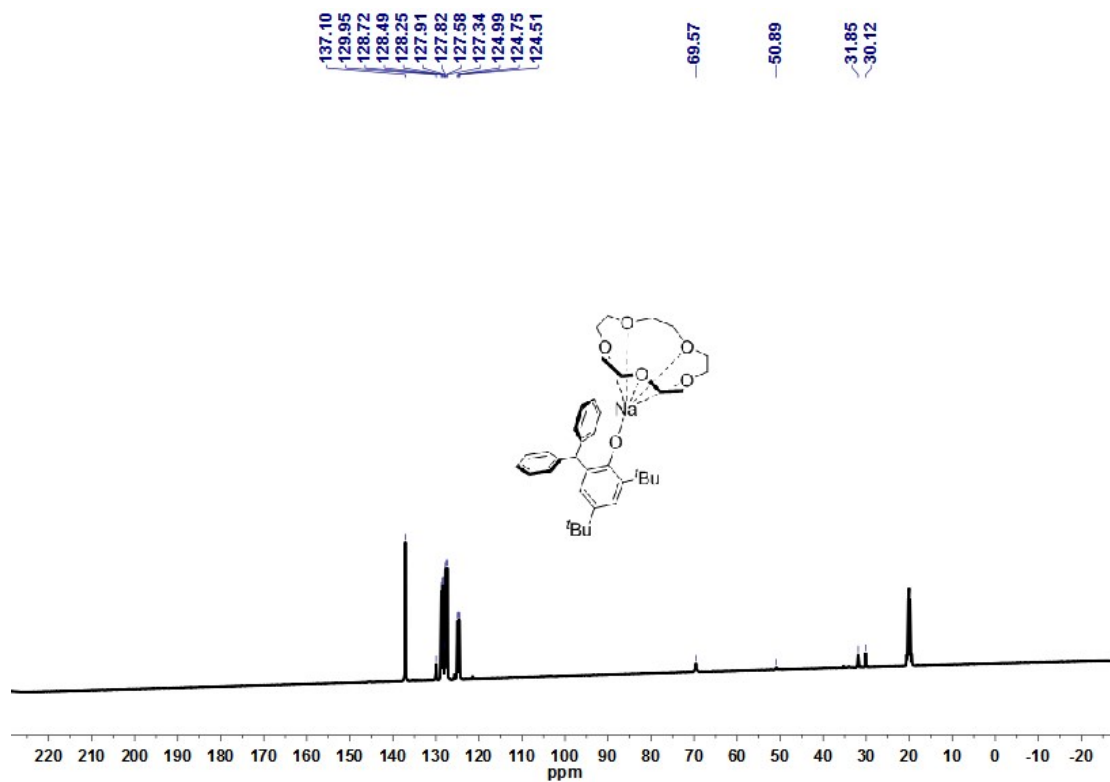


Figure S8. ^{13}C NMR spectrum of complex Na4.

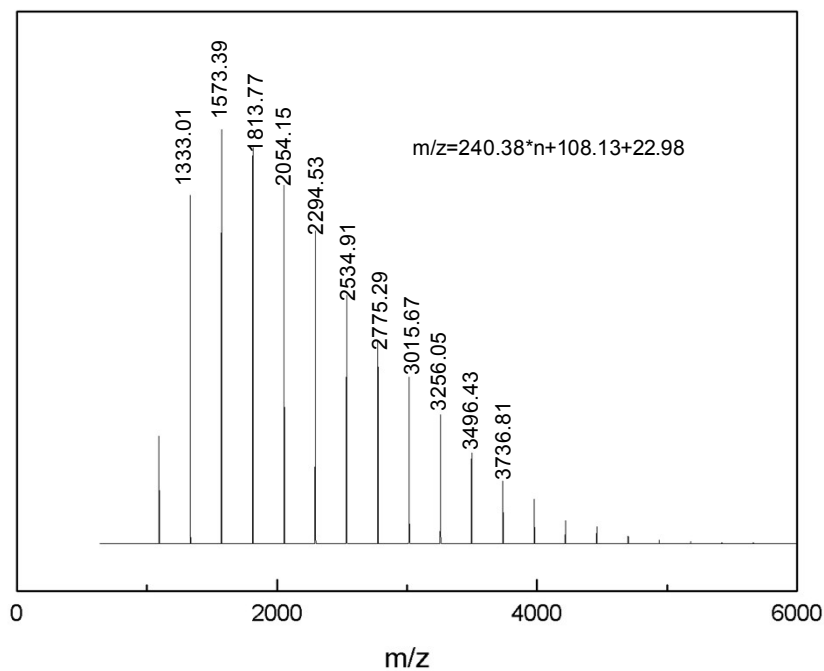


Figure S9. MALDI-TOF MS analysis of low molecular weight PPDL
($\text{PhCH}_2\text{OH}+n(\text{PDL})+\text{Na}^+$).

Table S1. Ring opening polymerization of PDL by using complex **Na5**.

Entry ^a	Cat.	ROH	[M]/[ROH]/[Cat.]	T (°C)	Yield (%)	M_n^b ($\times 10^4$)	\bar{D}^b
1	Na5	Ph_2CHOH	100/1/1	110	99.0	1.12	3.41

^aPolymerization conditions: toluene, [PDL]= 2.6 M, 5h. ^b Determined by high temperature GPC against polystyrene standard, \bar{D} is polydispersity.

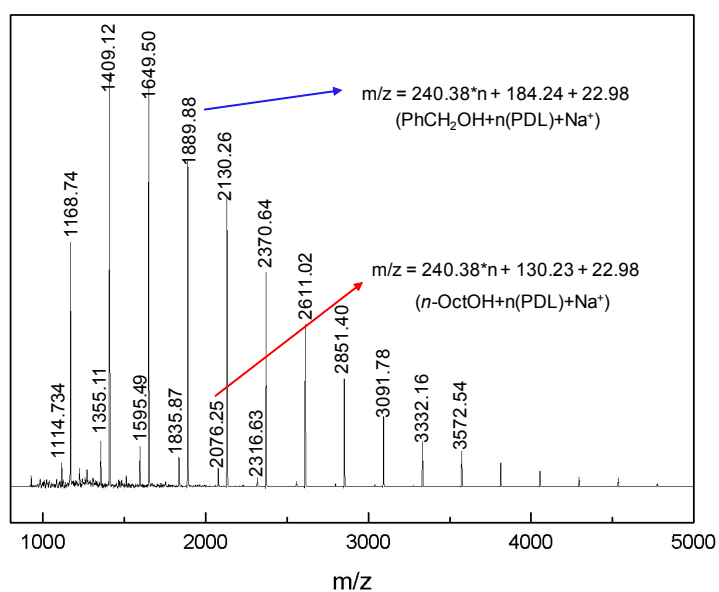


Figure S10. MALDI-TOF MS analysis of PPDL obtained from **Na5**.