

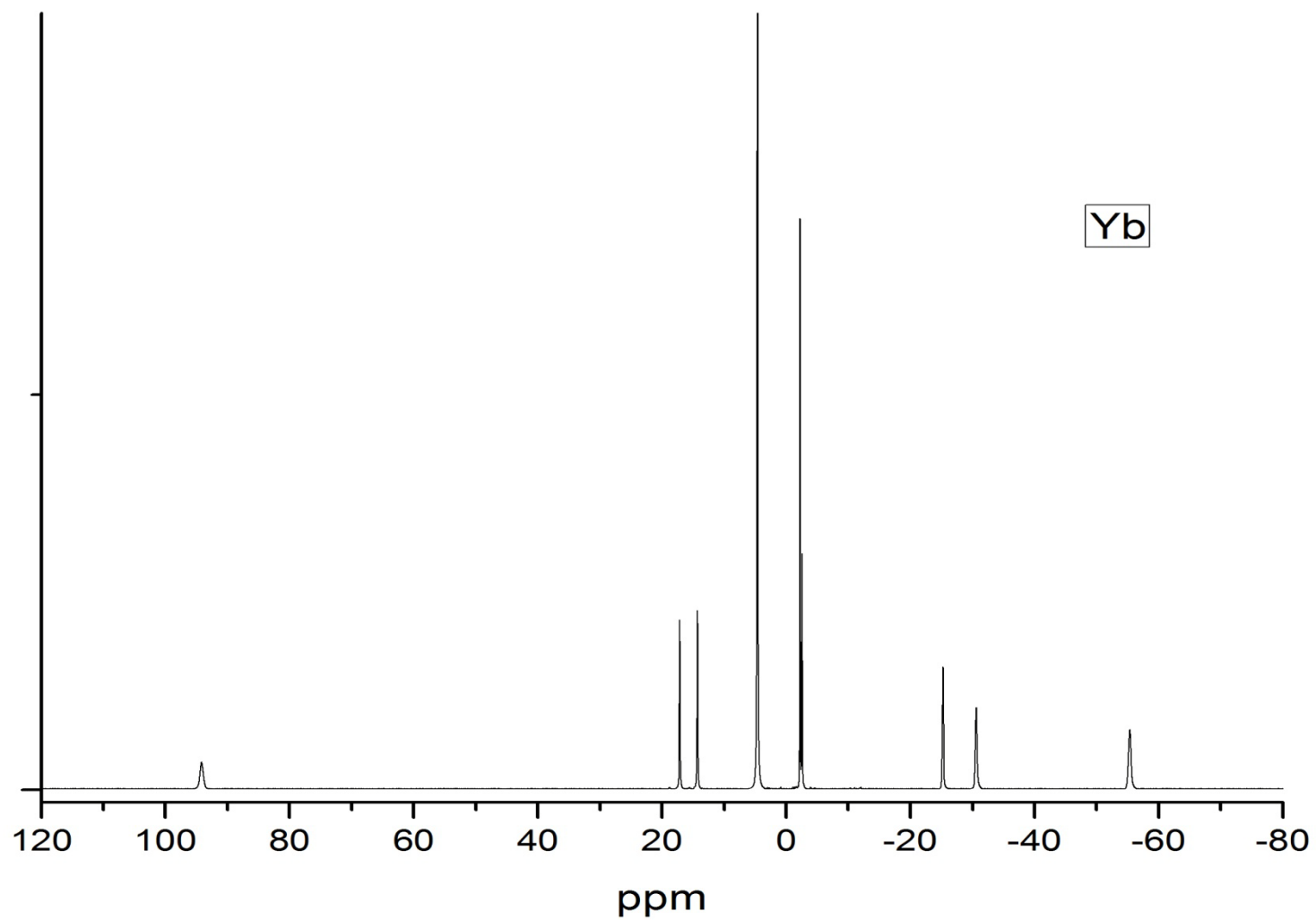
Supplemental Information
for
**ParaCEST Contrast Agents Capable of Derivatization via “Click”
Chemistry**

Mark Milne^{*a}, Kirby Chicas^a, Alex Li^b, Robert Bartha^b and Robert H.E. Hudson^a

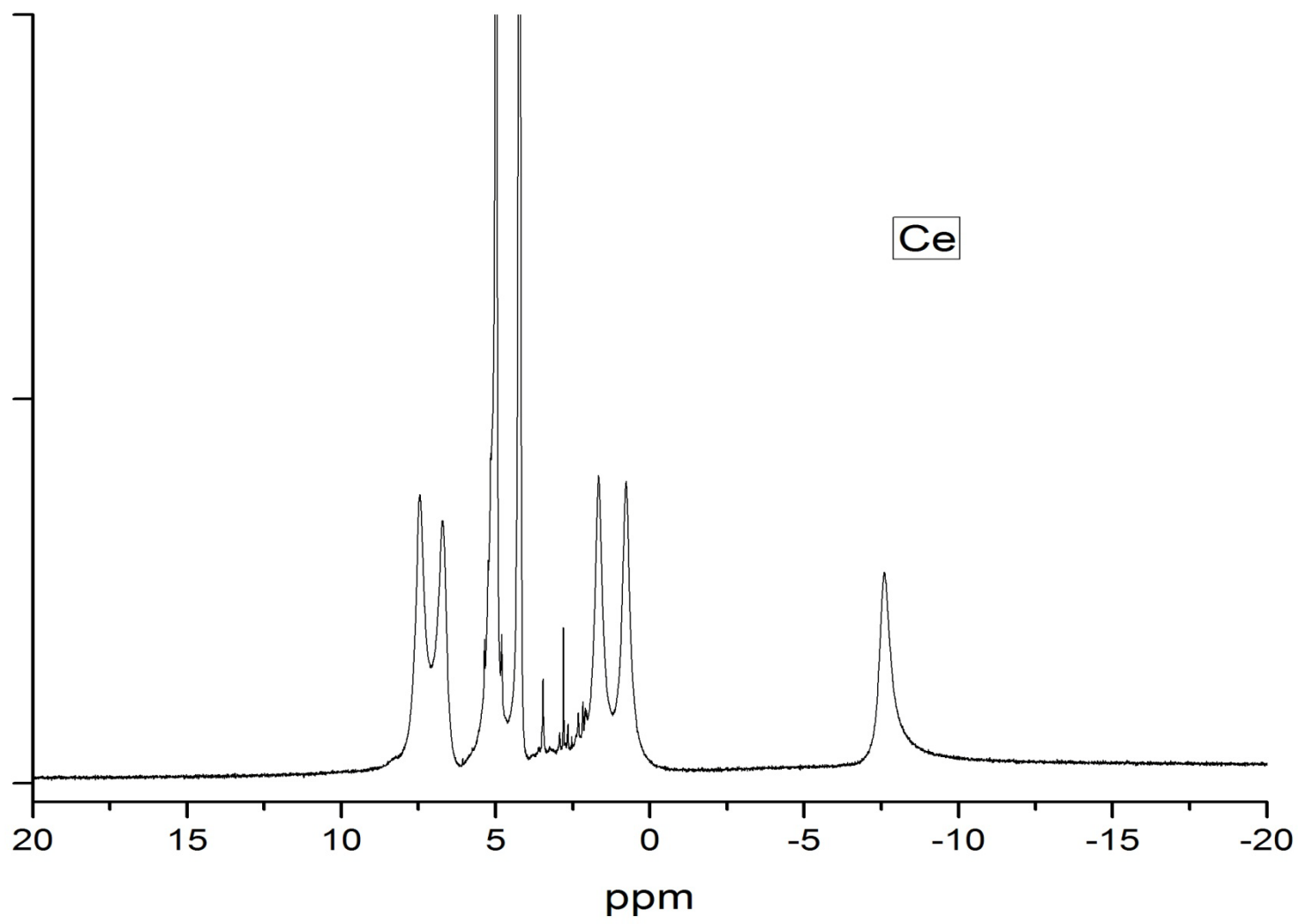
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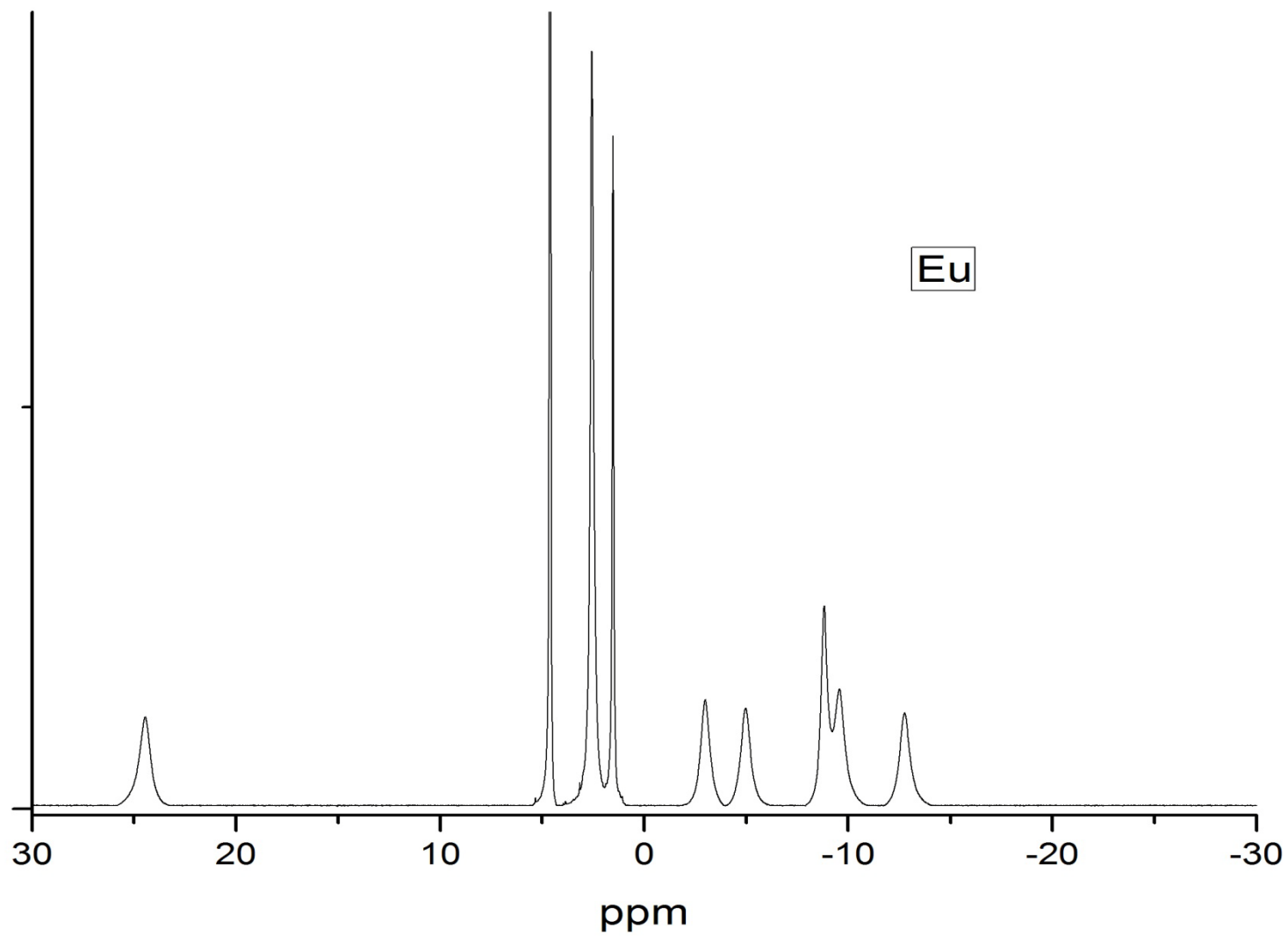
S1. NMR Spectra of Yb-1



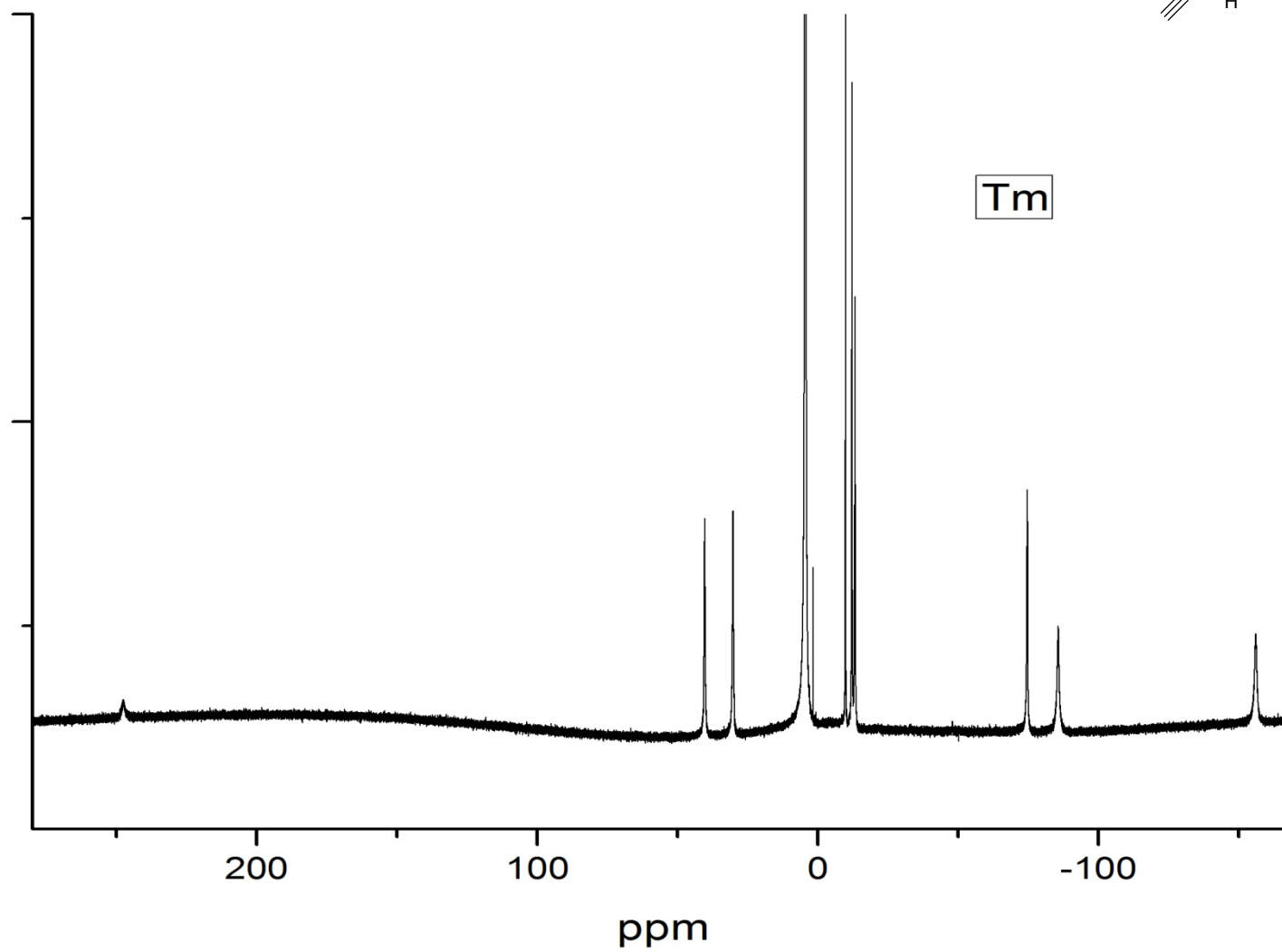
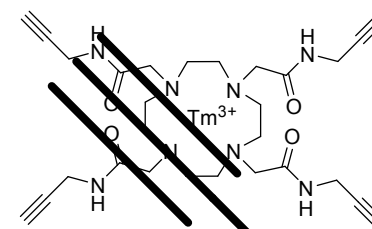
S2. NMR Spectra of Ce-1



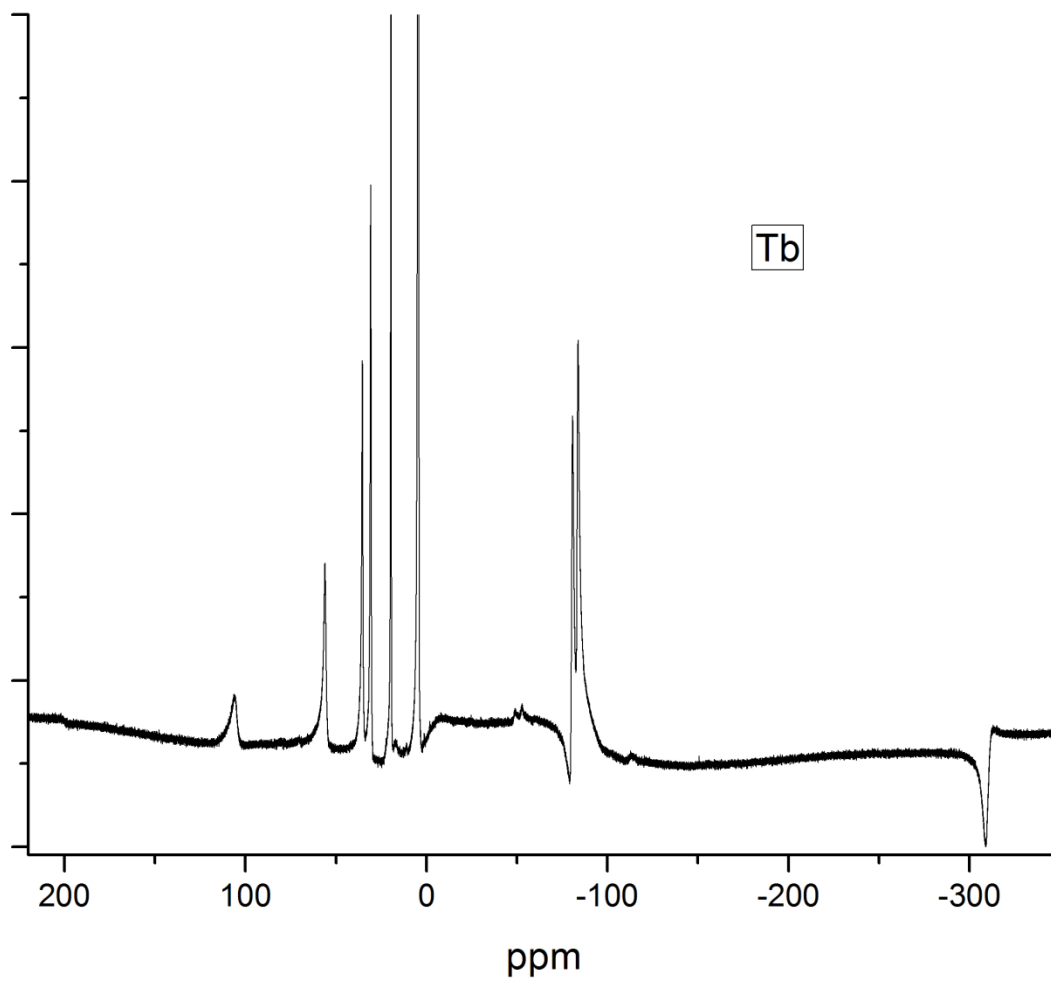
S3. NMR Spectra of Eu-1



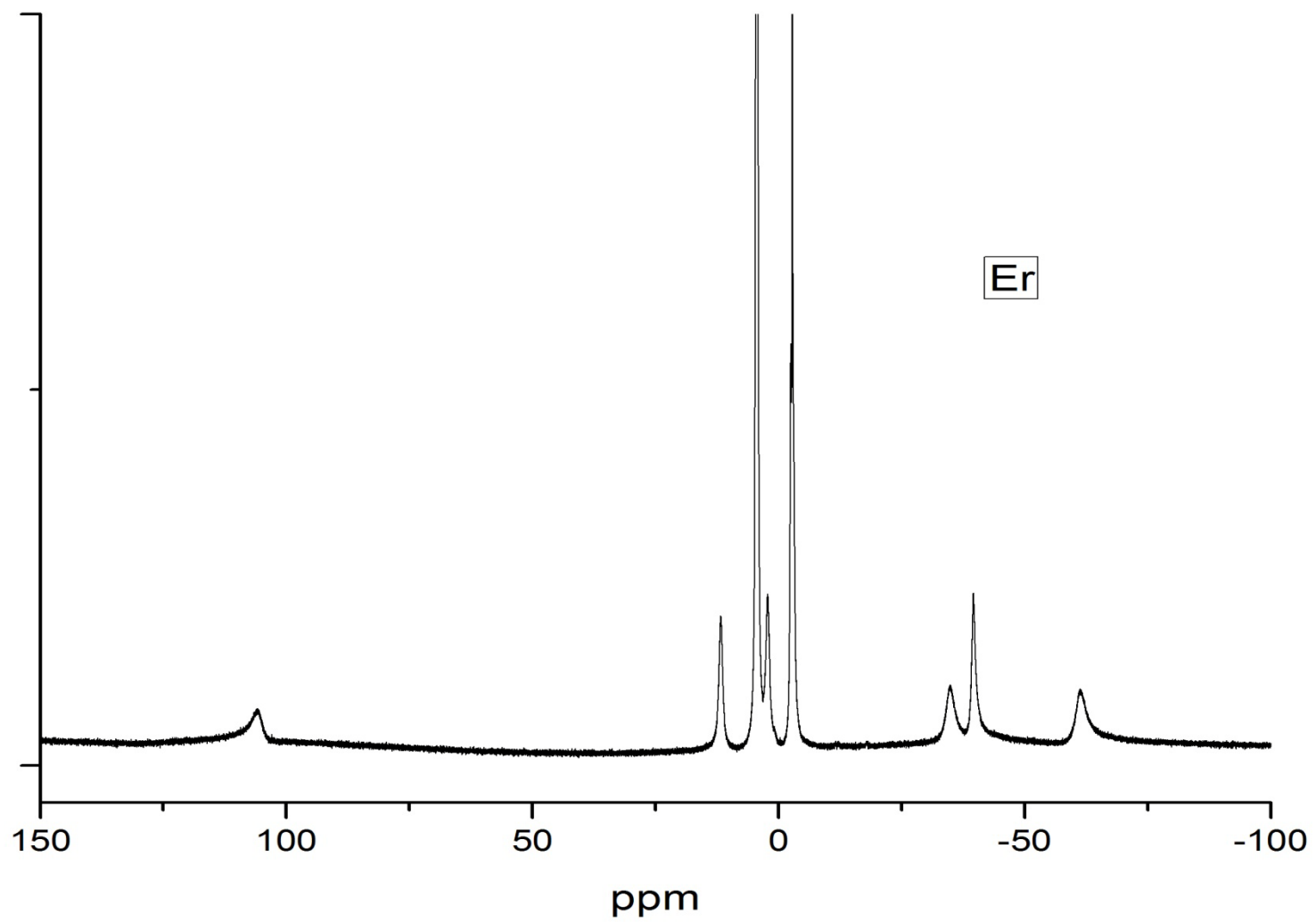
S4. NMR Spectra of Tm-1



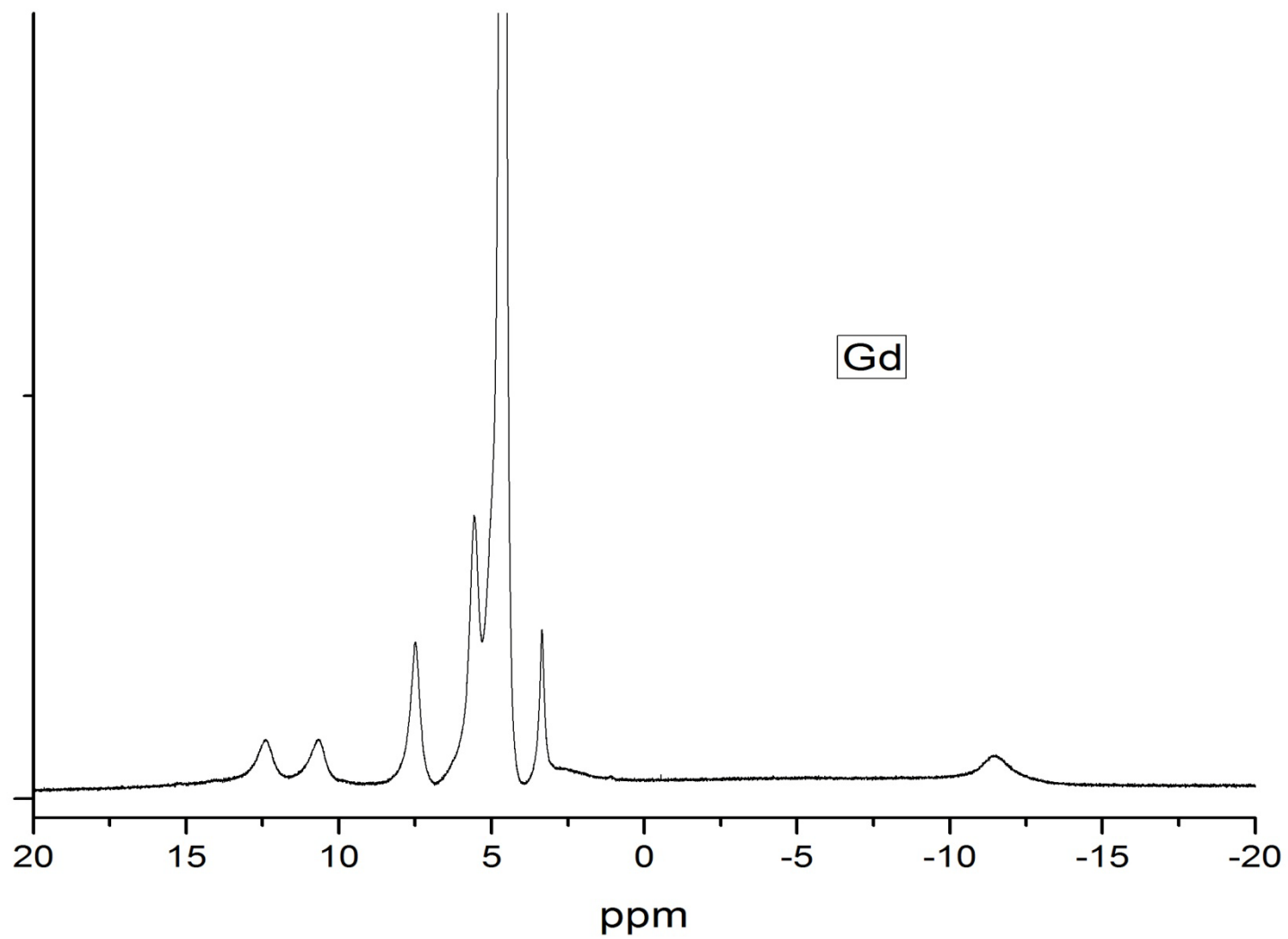
S5. NMR Spectra of Tb-1



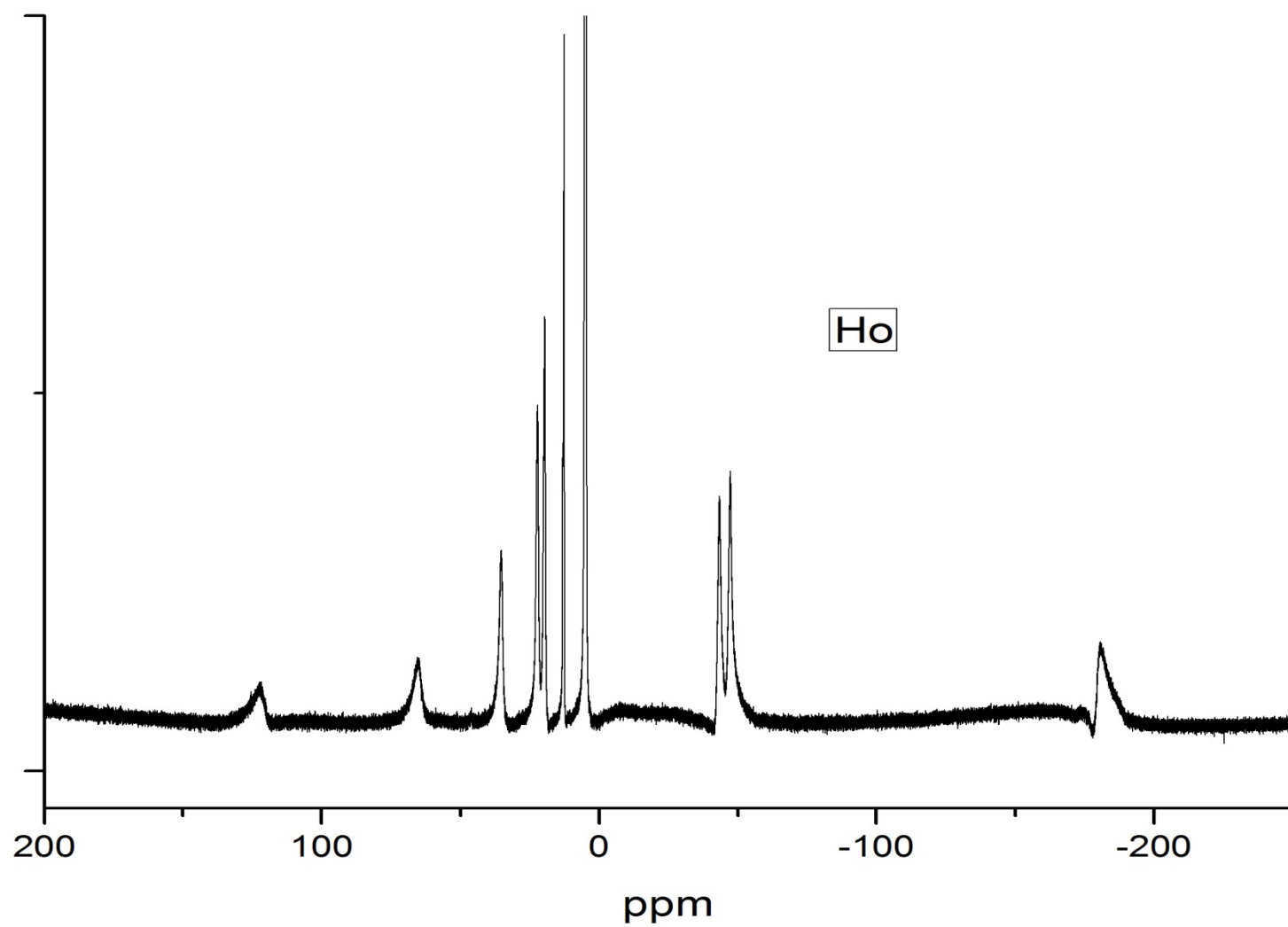
S6. NMR Spectra of Er-1



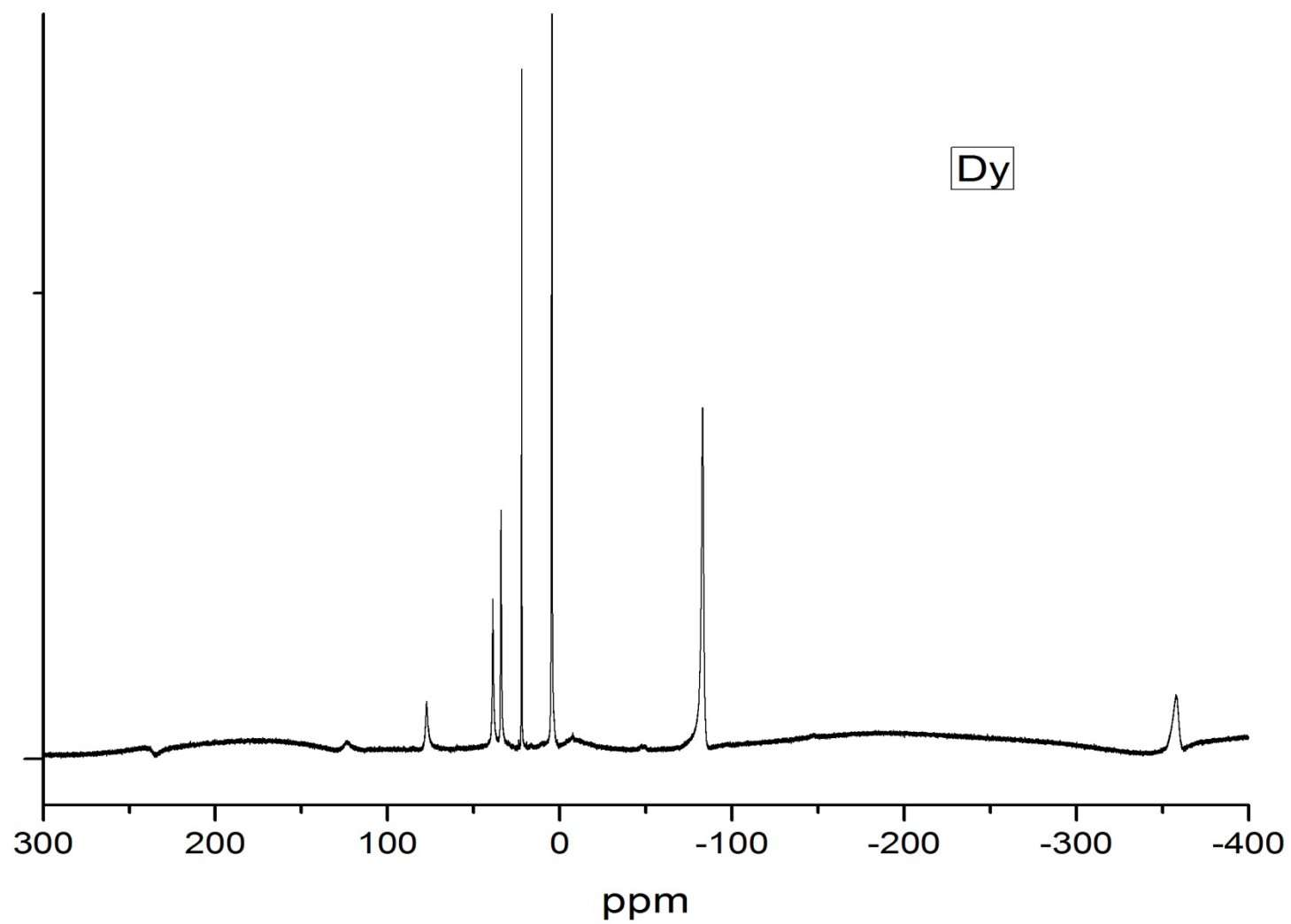
S7. NMR Spectra of Gd-1



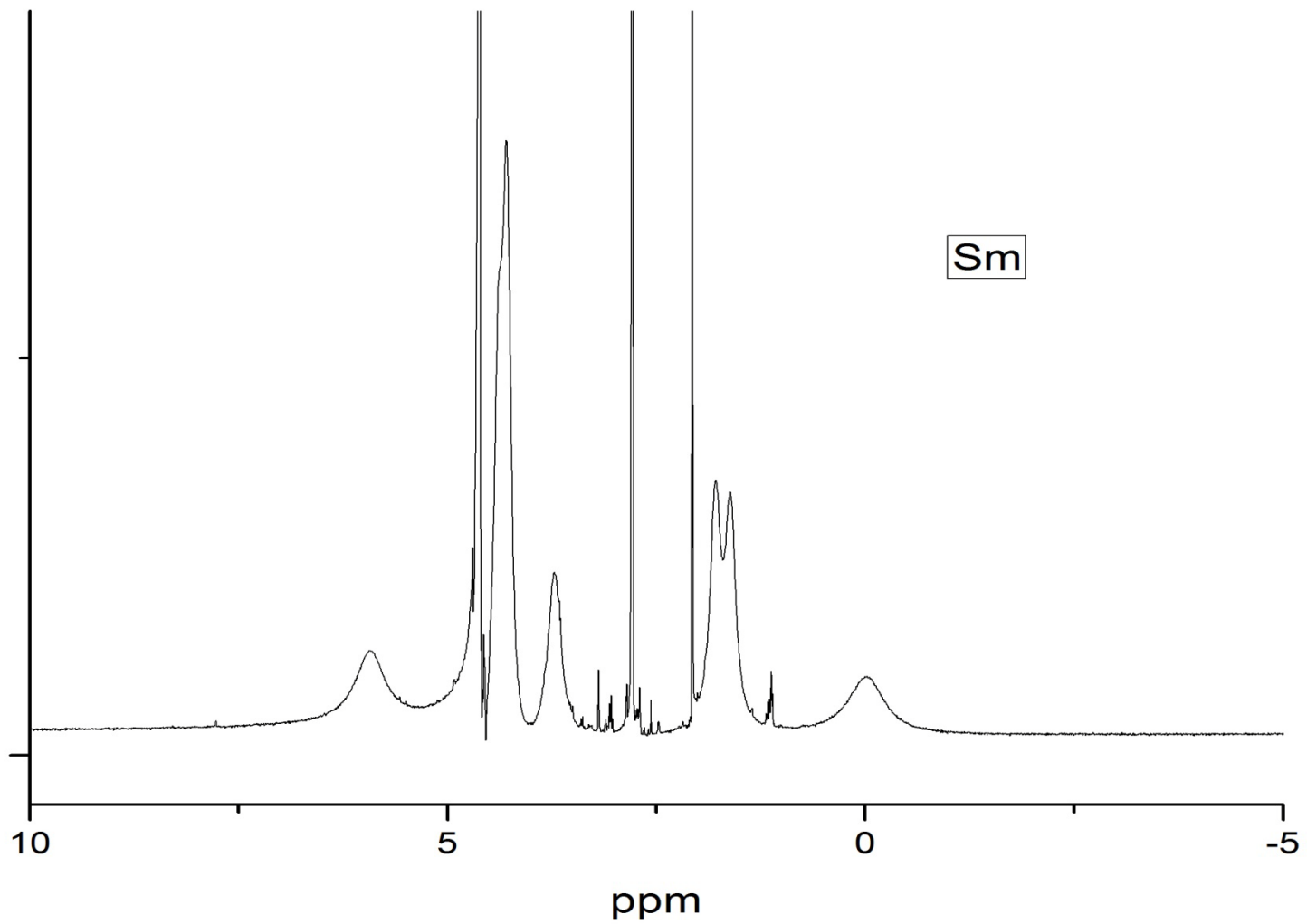
S8. NMR Spectra of Ho-1



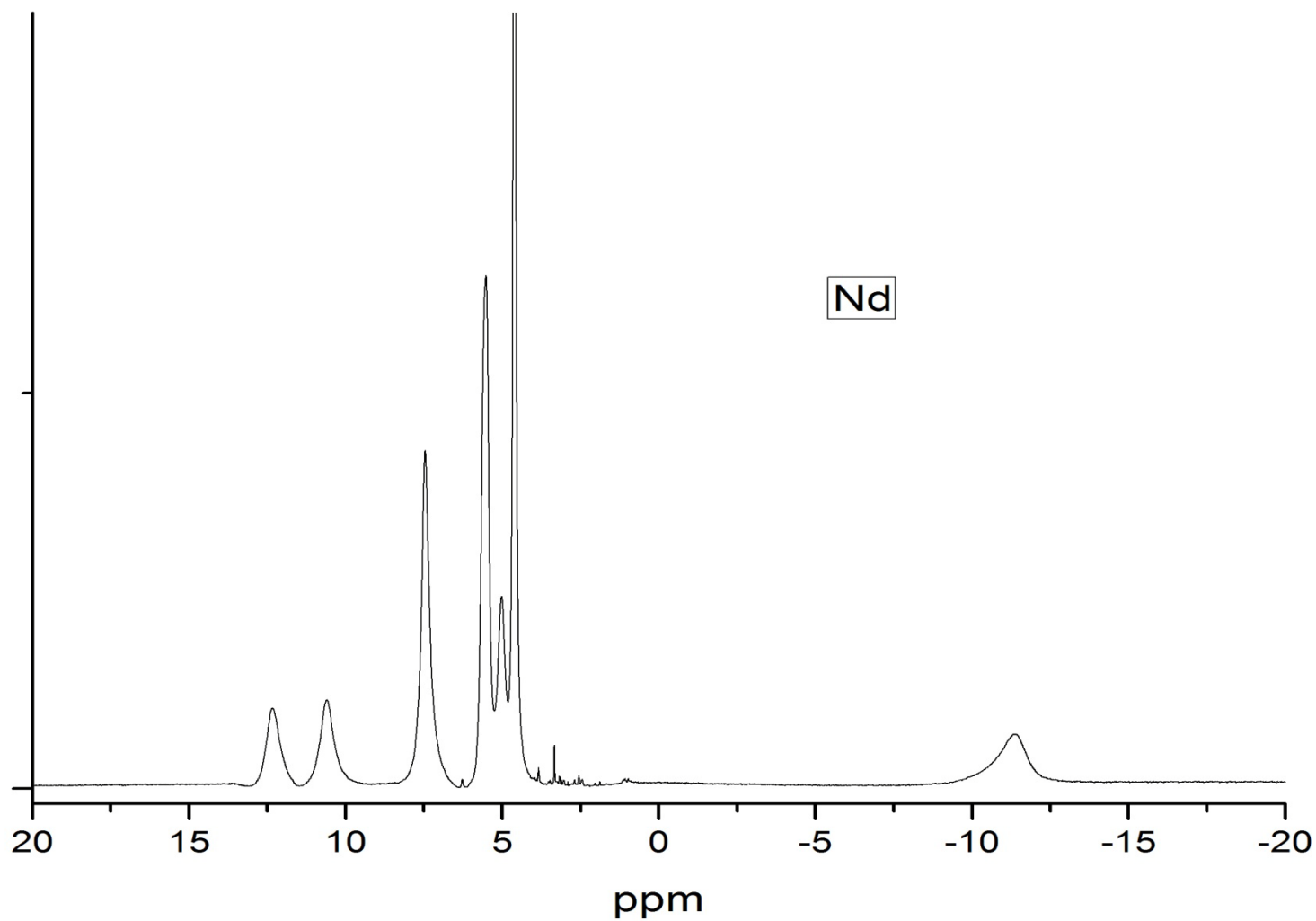
S9. NMR Spectra of Dy-1



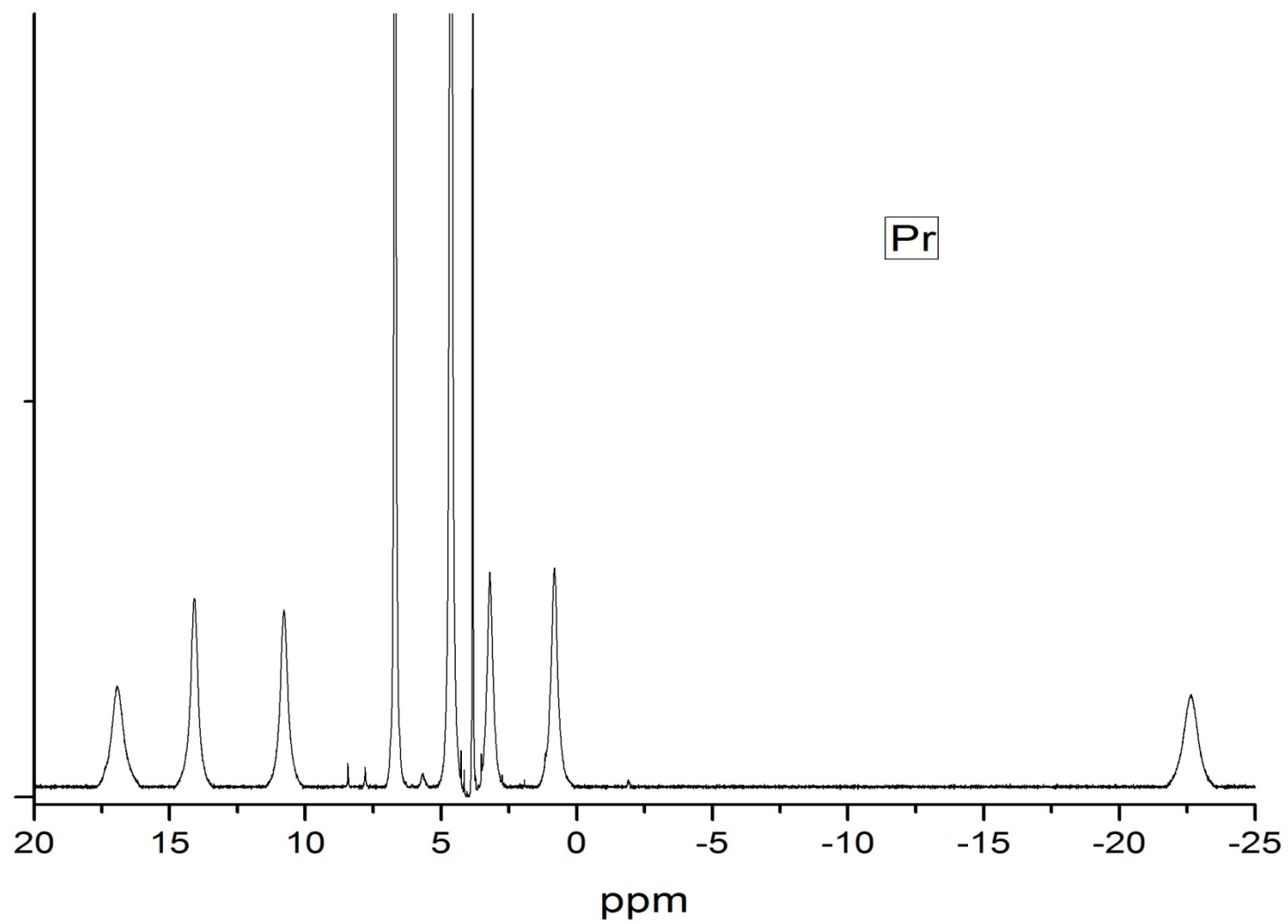
S10. NMR Spectra of Sm-1



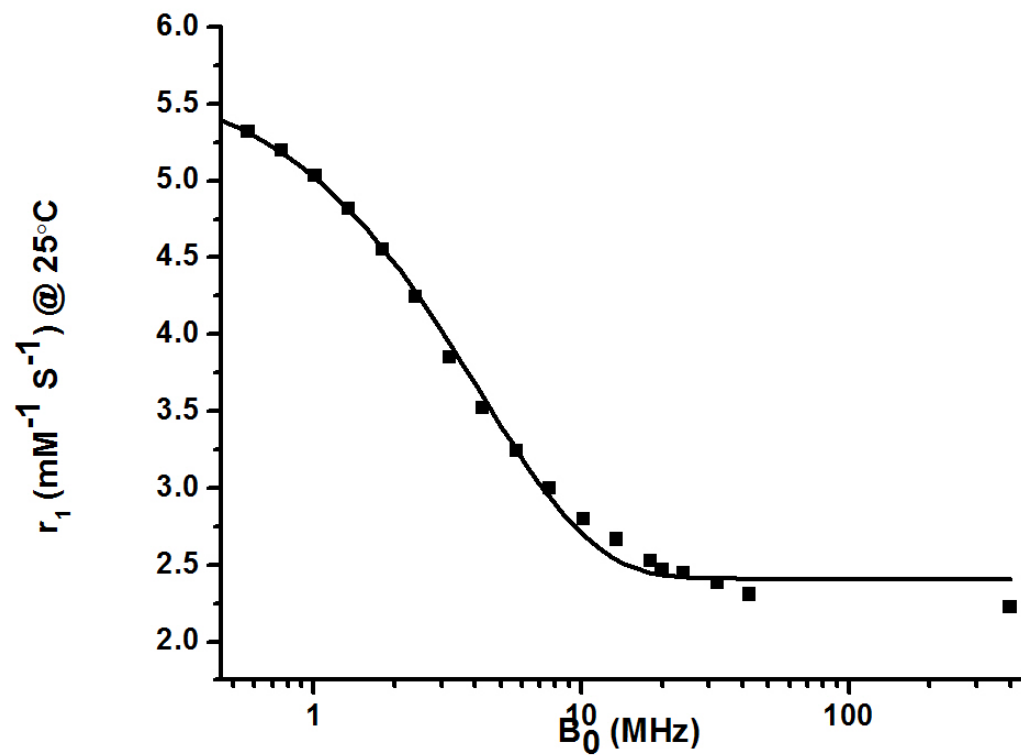
S11. NMR Spectra of Nd-1



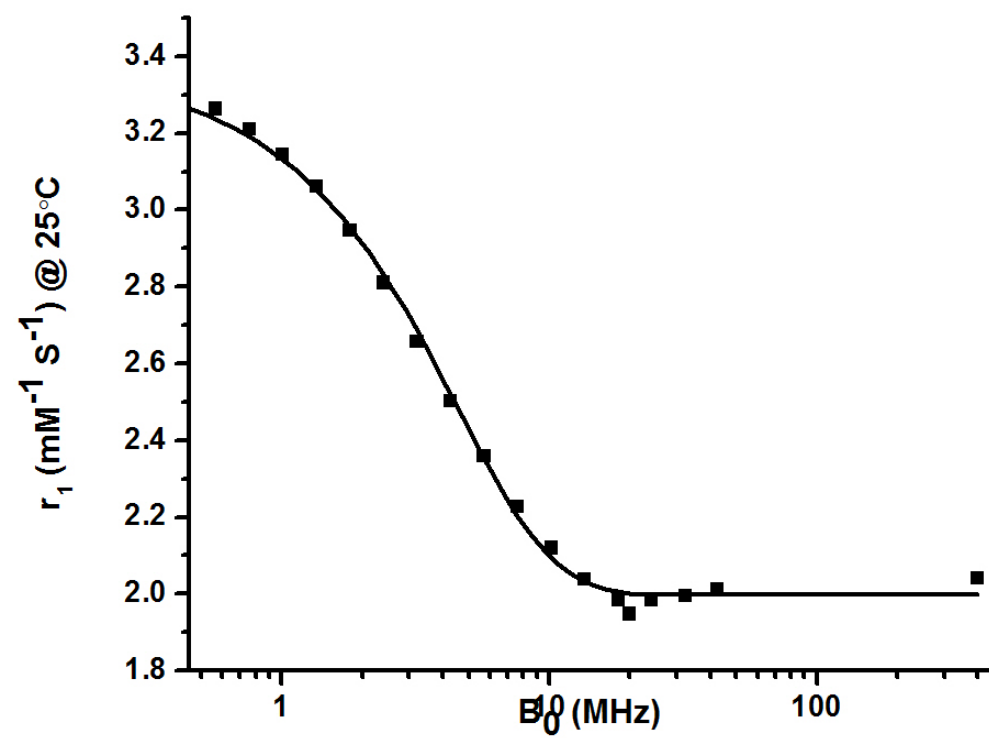
S12. NMR Spectra of Pr-1



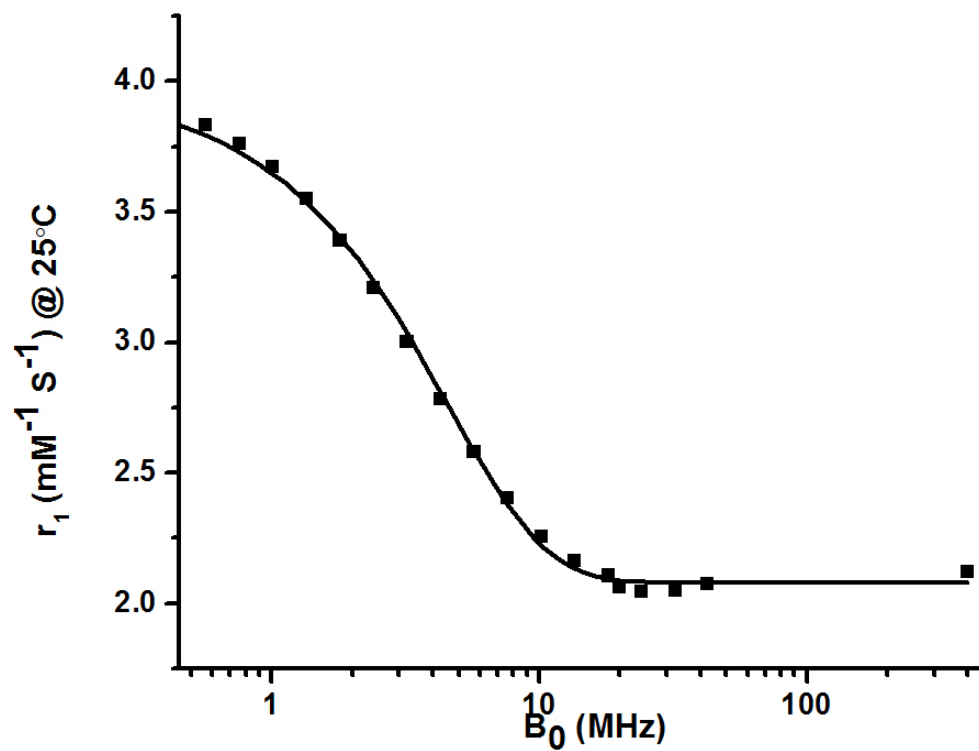
S13. NMRD Profile of Gd-1



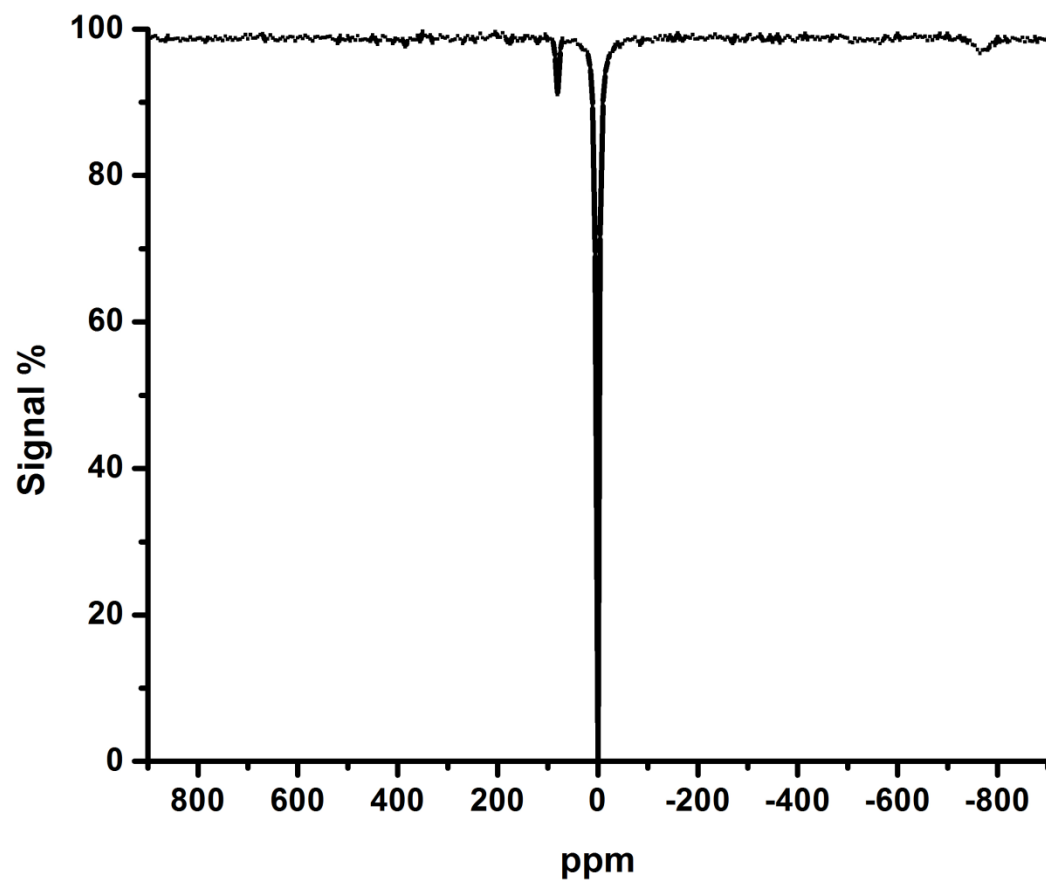
S14. NMRD Profile of 2



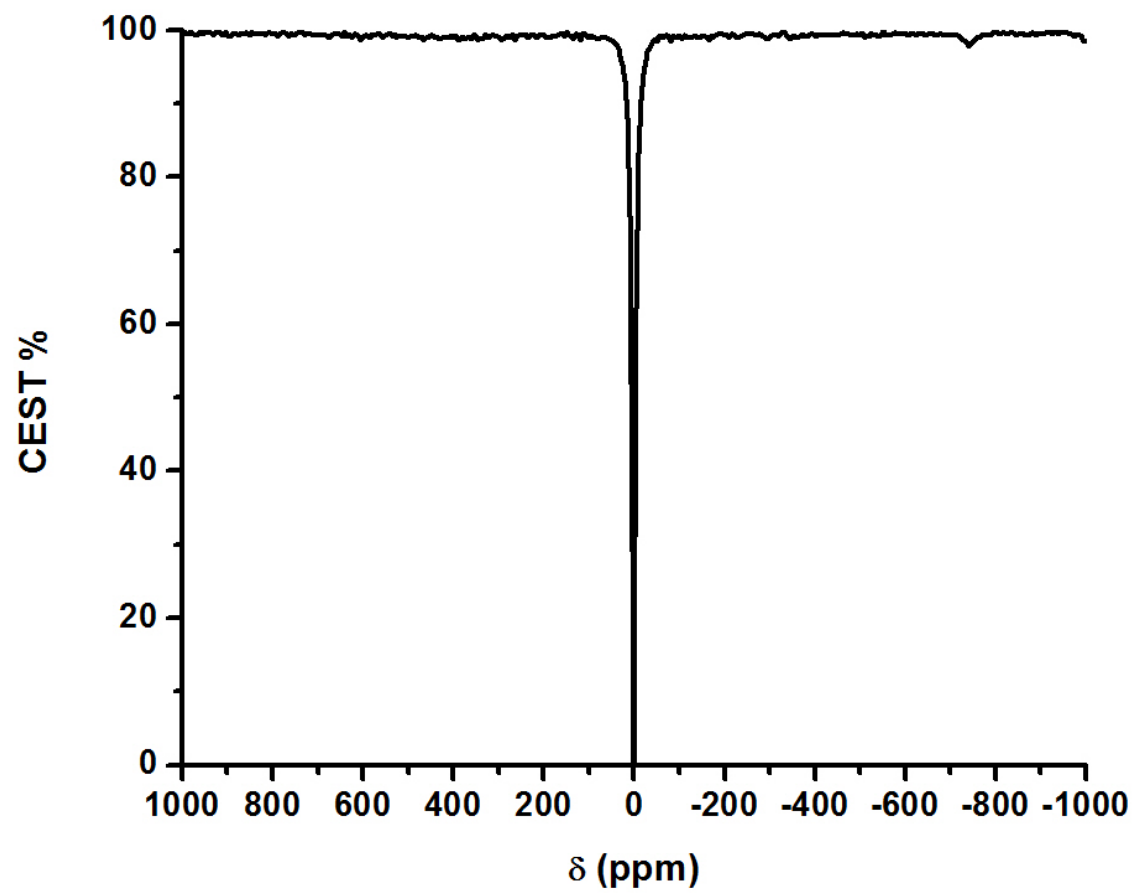
S15. NMRD Profile of 3



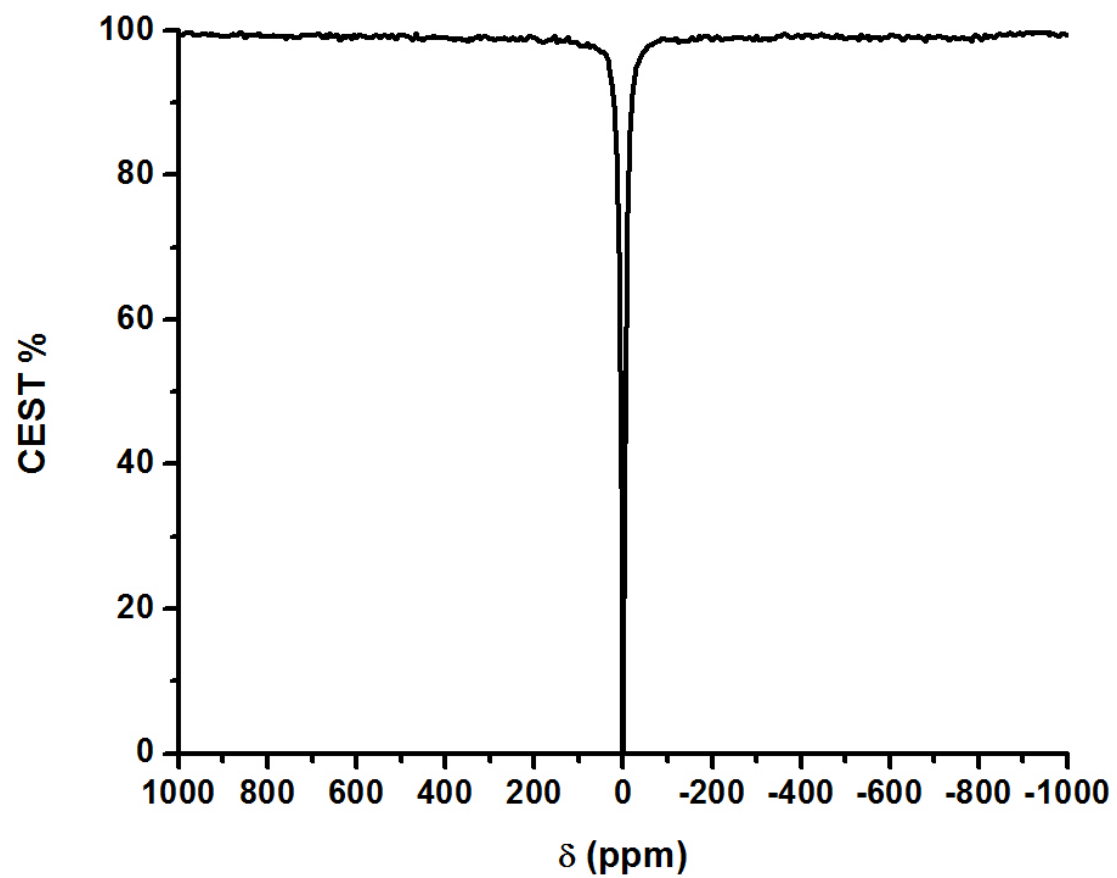
S16.CEST Spectra of Dy-1



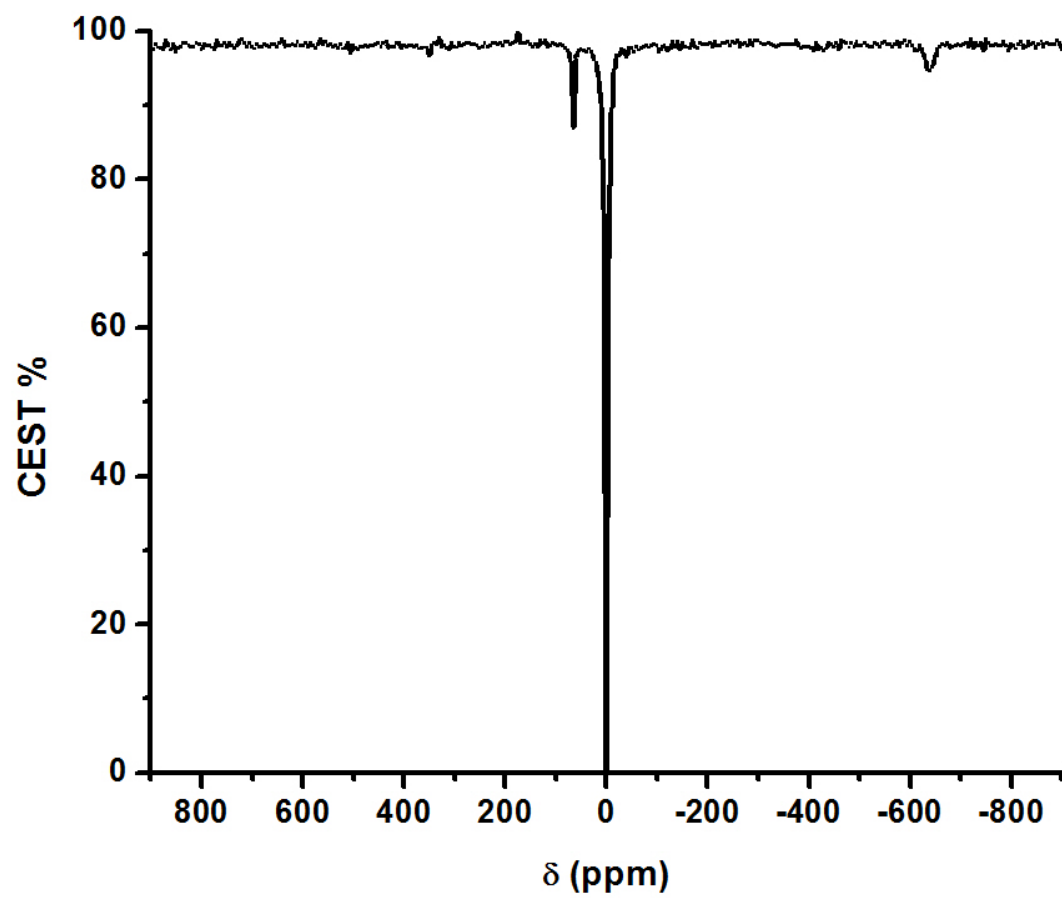
S17.CEST Spectra of Dy-2



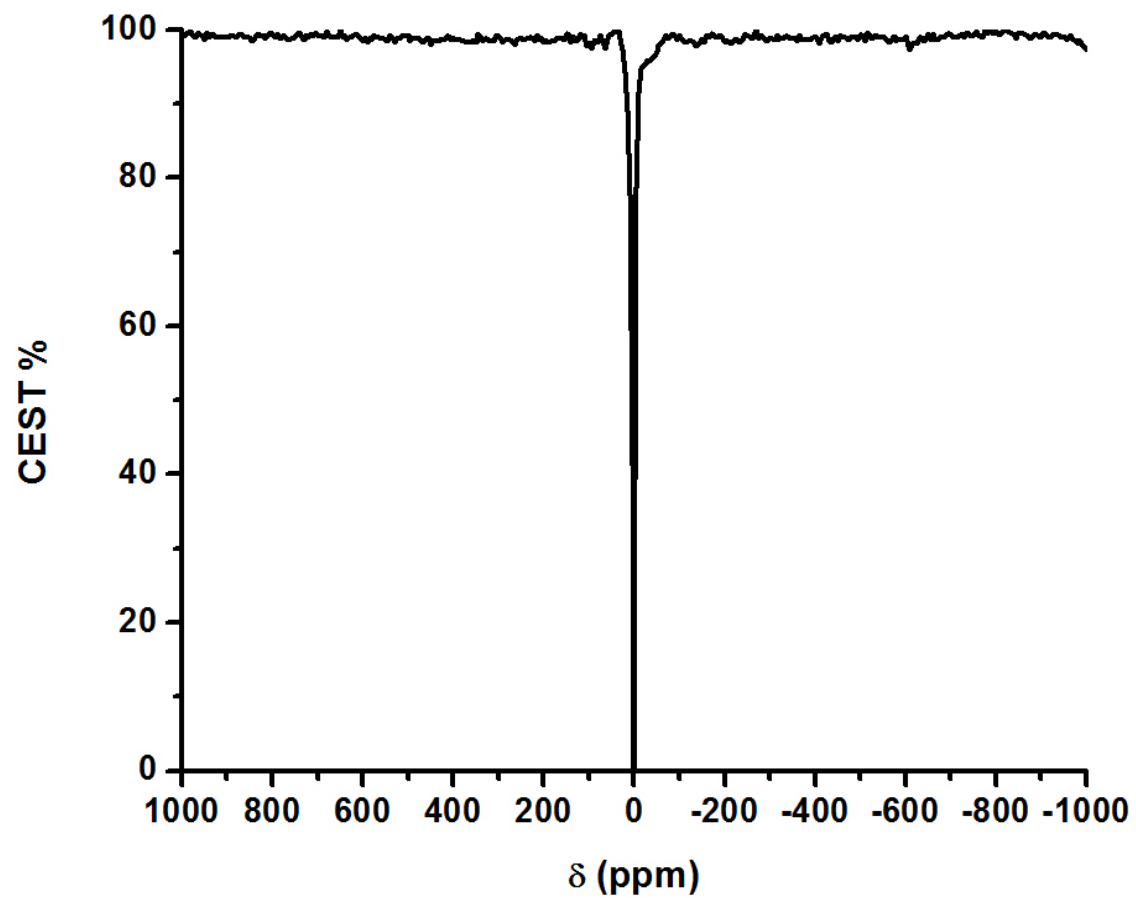
S18.CEST Spectra of Dy-3



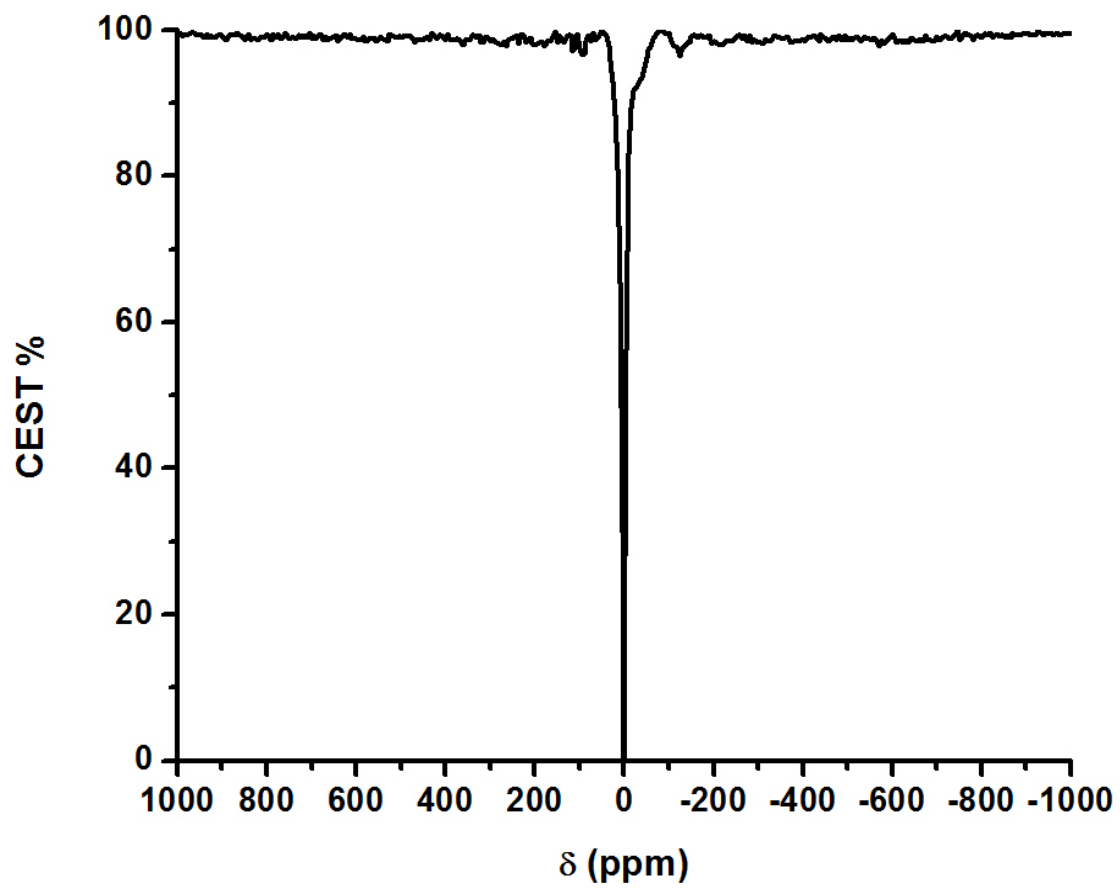
S19.CEST Spectra of Tb-1



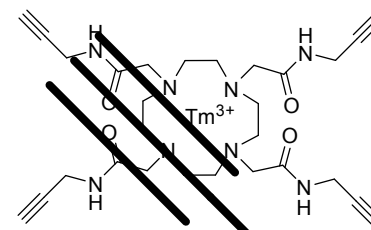
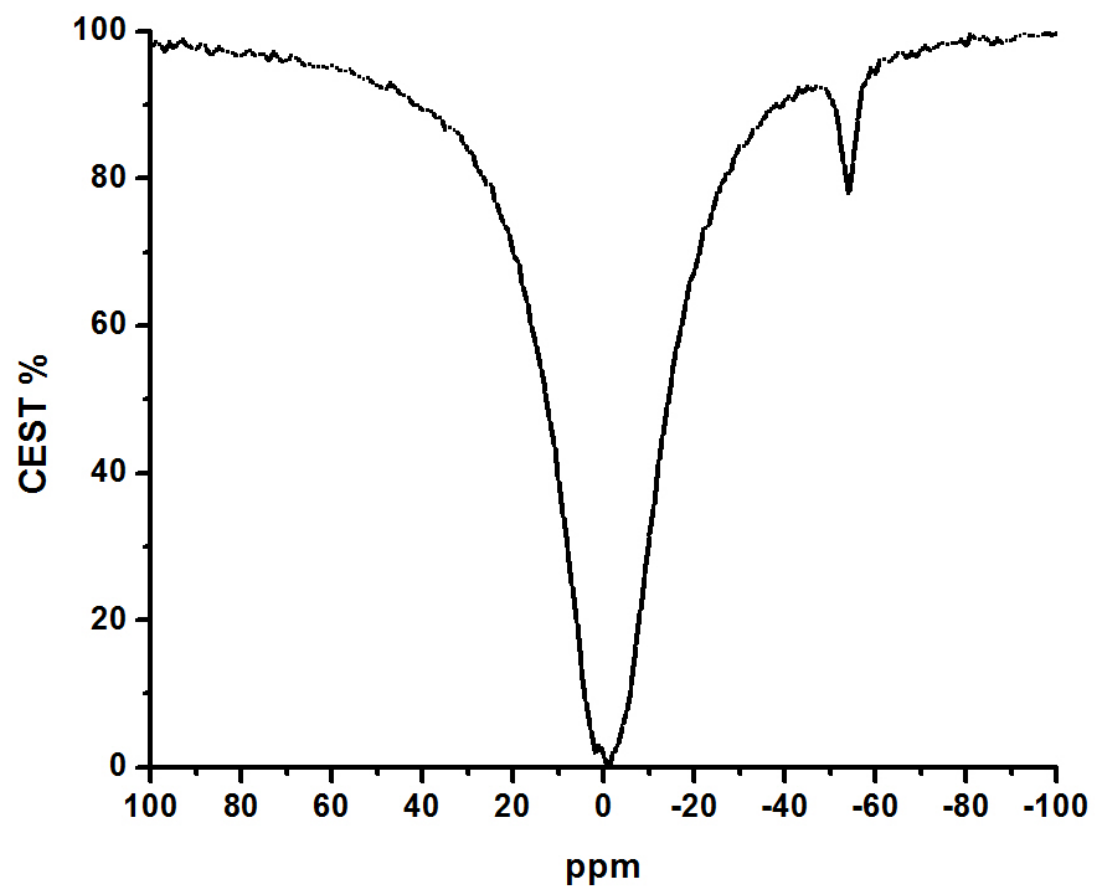
S20.CEST Spectra of Tb-2



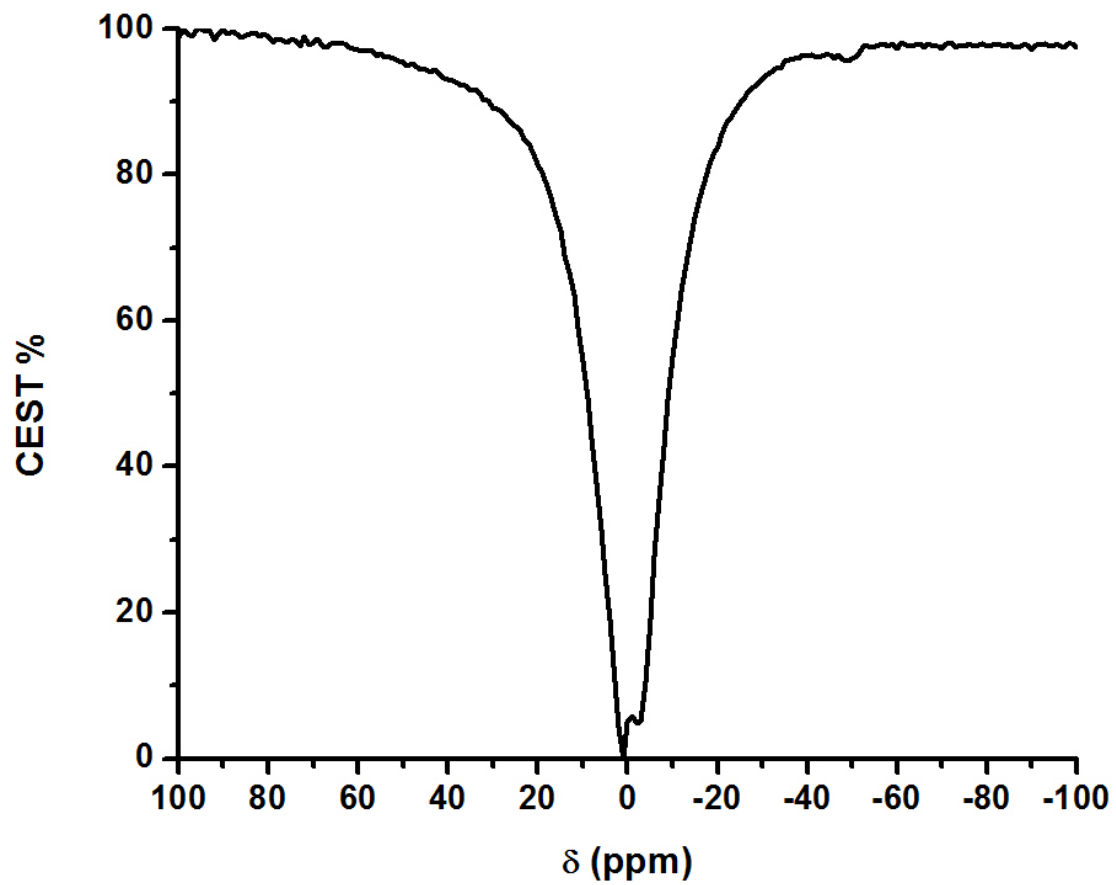
S21.CEST Spectra of Tb-3



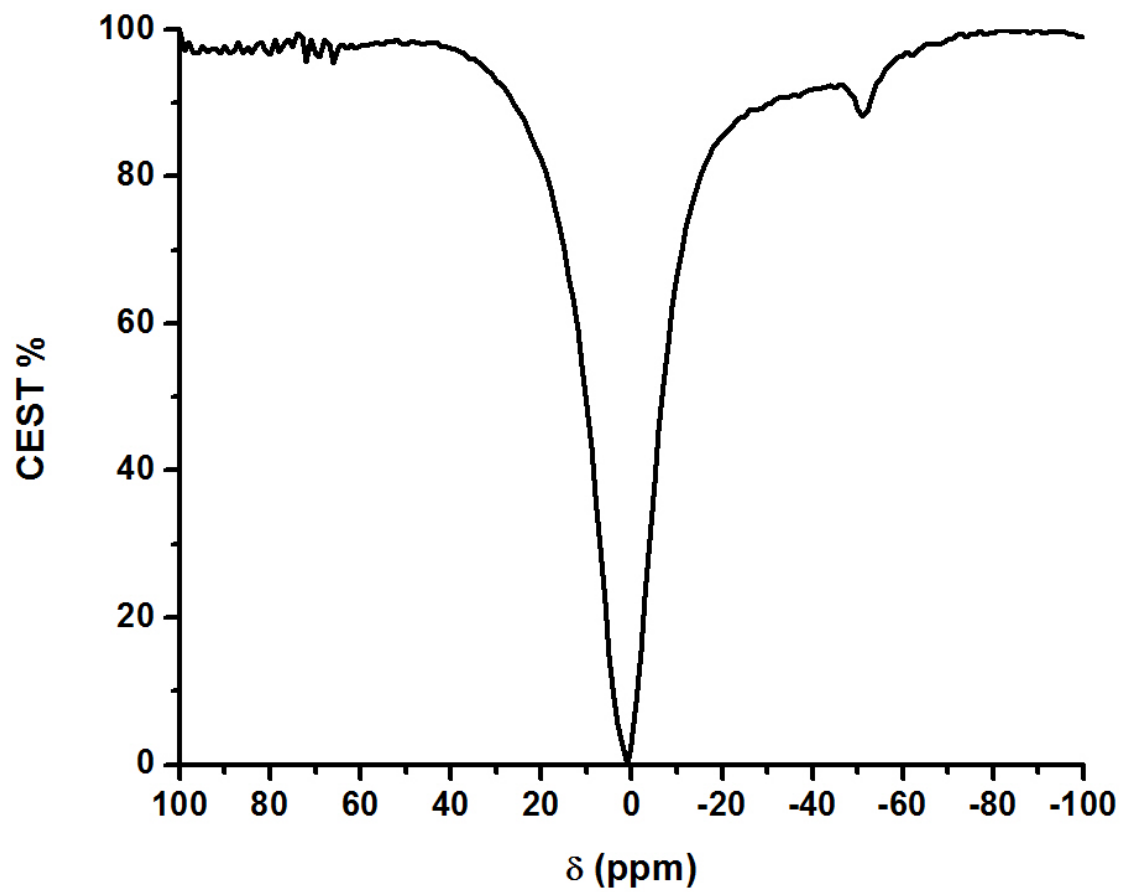
S22.CEST Spectra of Tm-1



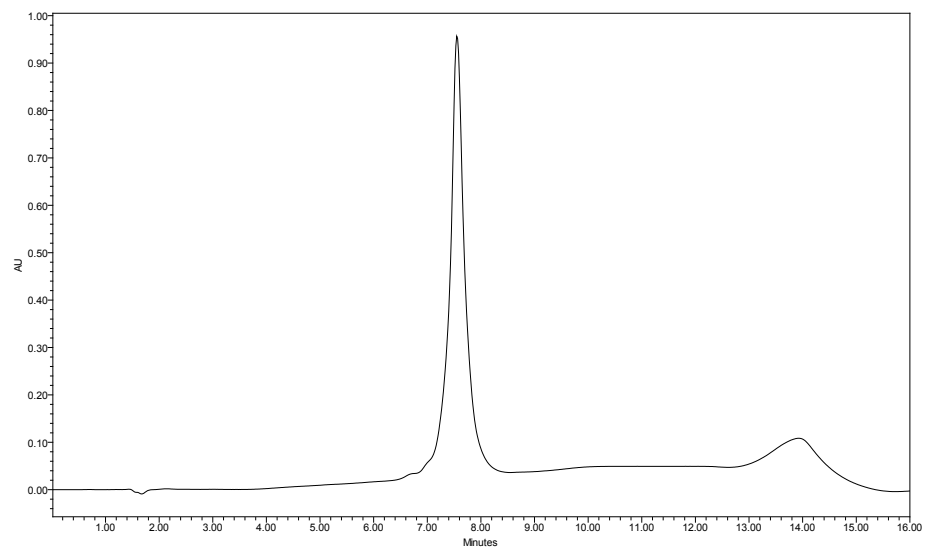
S23.CEST Spectra of Tm-2



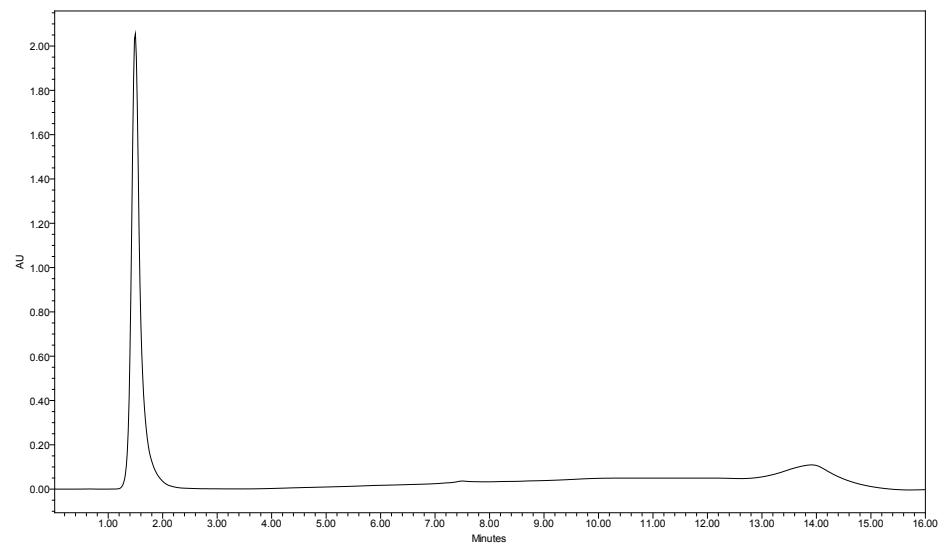
S24.CEST Spectra of Tm-3



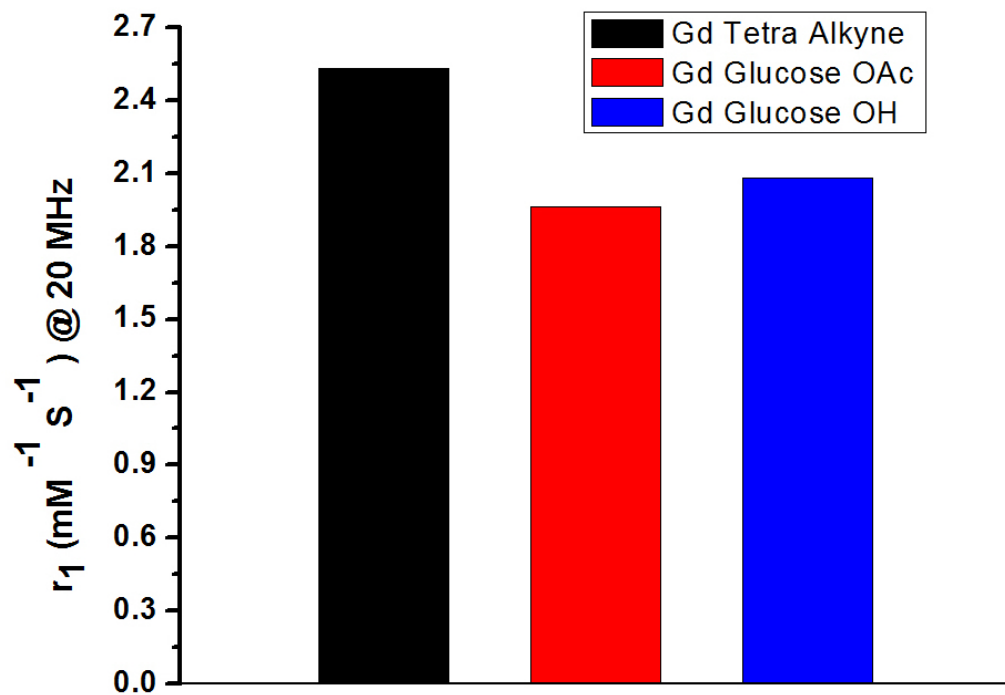
S25. HPLC Trace of 2



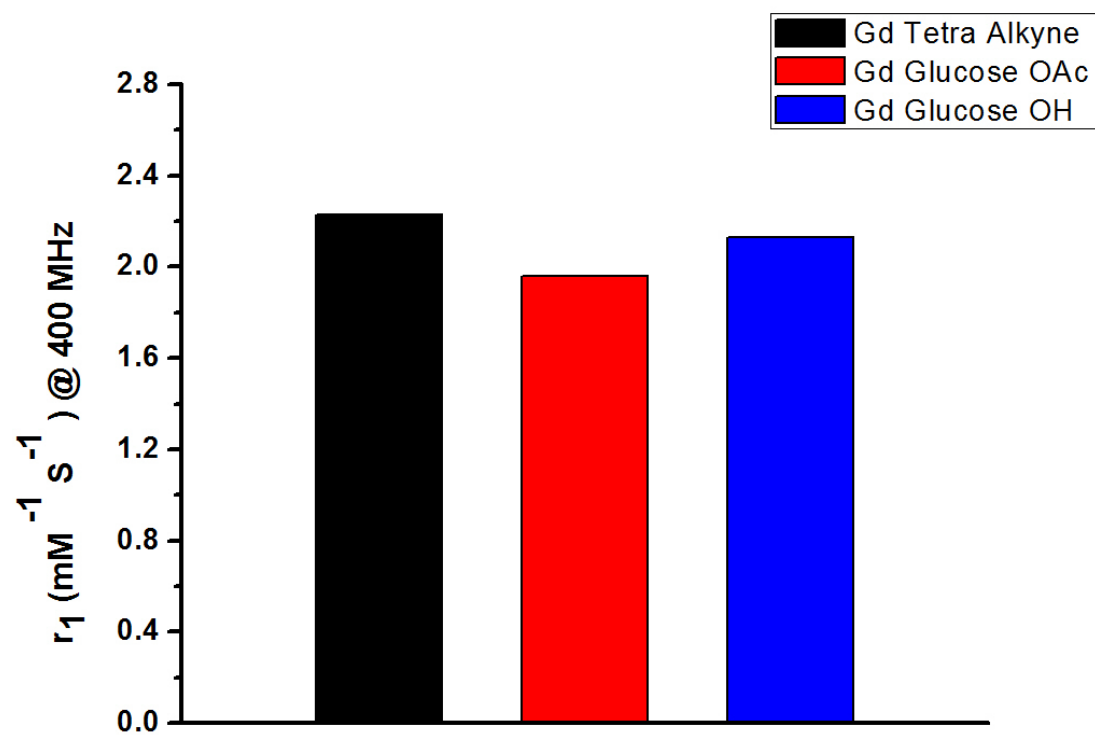
S26. HPLC Trace of 3



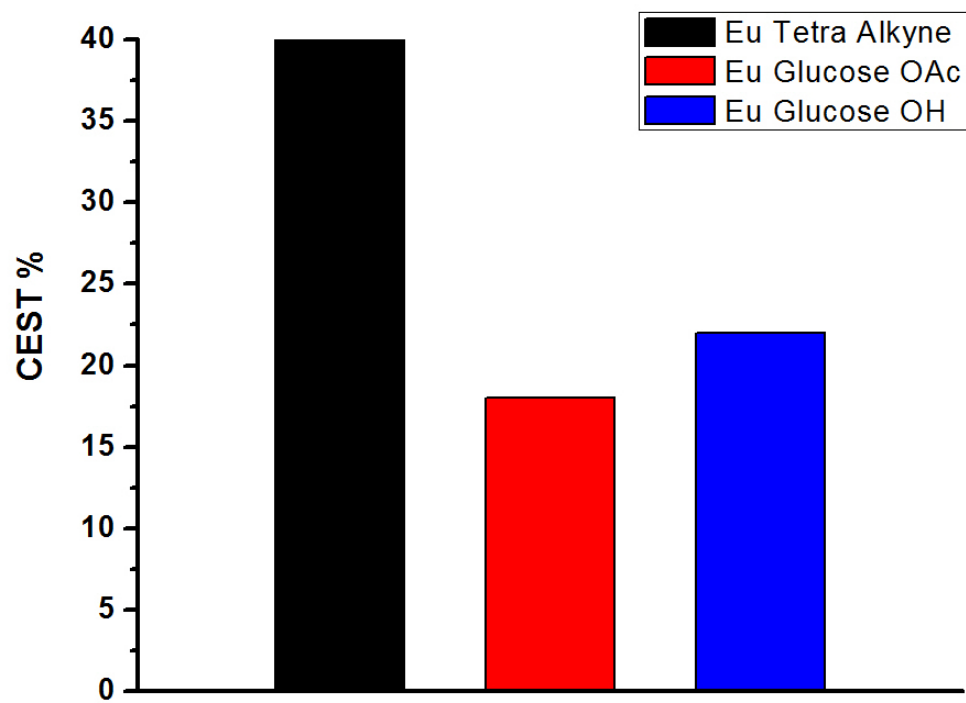
S27. Relaxivity comparison of Gd series at 20 MHz



S28. Relaxivity comparison of Gd series at 400 MHz



S29. CEST comparison of Eu series (Water)



S30. CEST comparison of Tm series (Amide)

