

Electronic Supplementary Information

Extending the corrole ring conjugation: preparation of β,β' -fused 2,3-[1',2'-*b*]pyrazinocorroles

Beatrice Berionni Berna,^a Sara Nardis,^{*a} Federica Mandoj,^a Frank R. Fronczek,^b Kevin M. Smith^b and Roberto Paolesse^a

nardis@scienze.uniroma2.it; kmsmith@lsu.edu

^a *Dipartimento di Scienze e Tecnologie Chimiche, Università di Roma Tor Vergata, via della Ricerca Scientifica 1, 00133 Rome, Italy*

^b *Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803, USA*

Copies of ¹H NMR, ¹³C NMR and FAB spectra

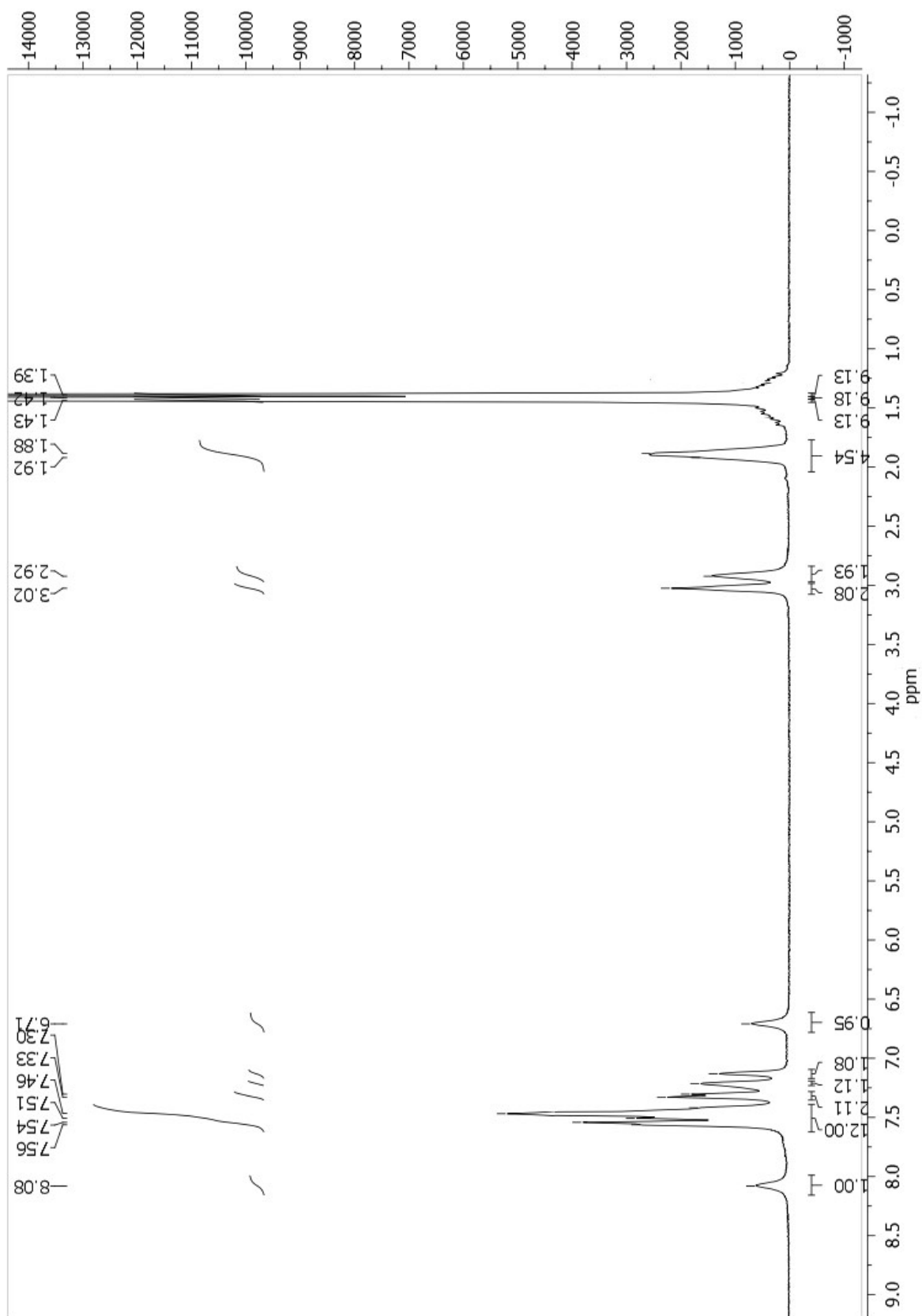


Figure S1: ¹H NMR spectrum of 2,3-[1'-2'-cyclohexane(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (**4**)

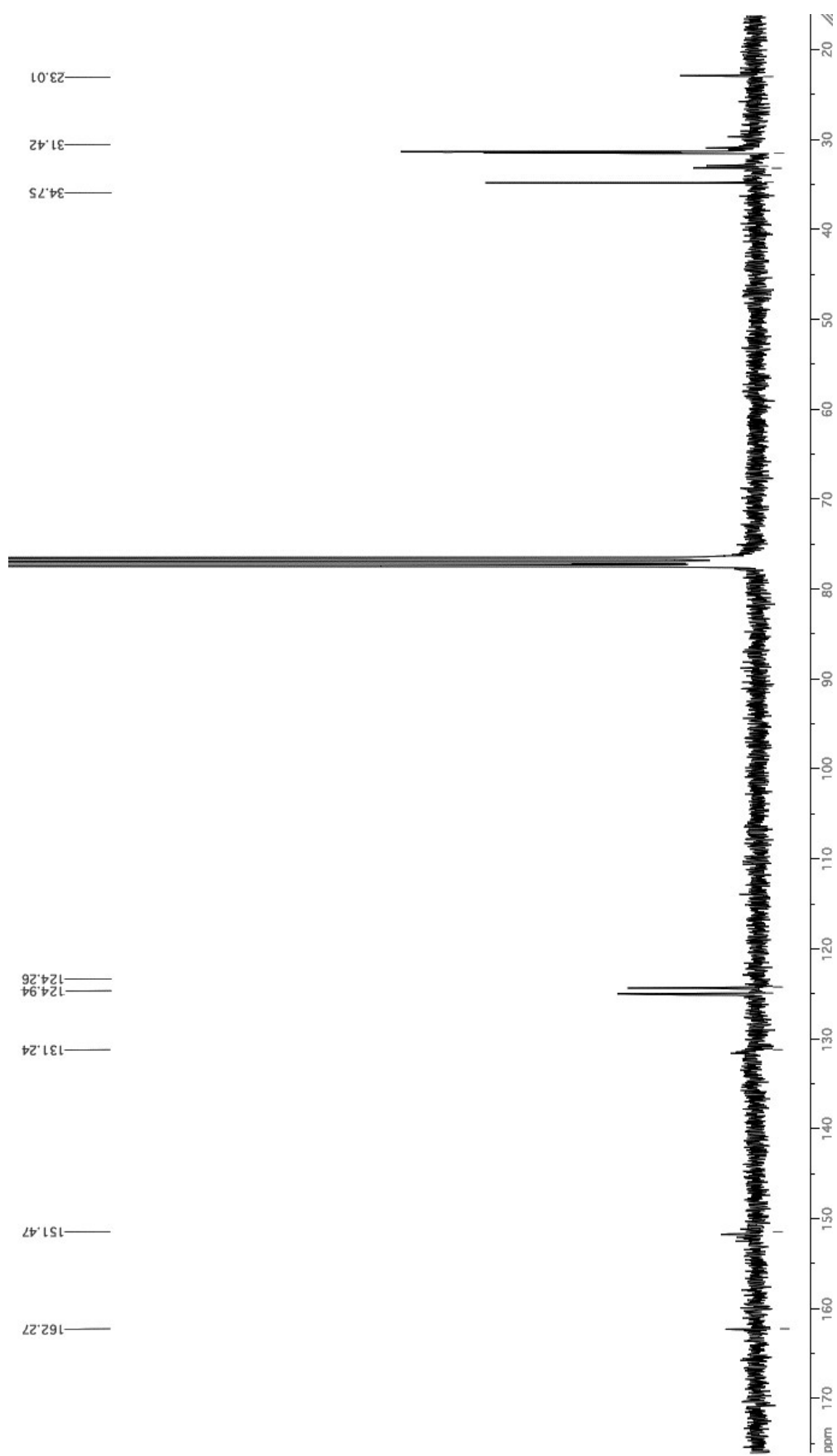


Figure S2: ^{13}C NMR spectrum of 2,3-[1'-2'-cyclohexane(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (**4**)

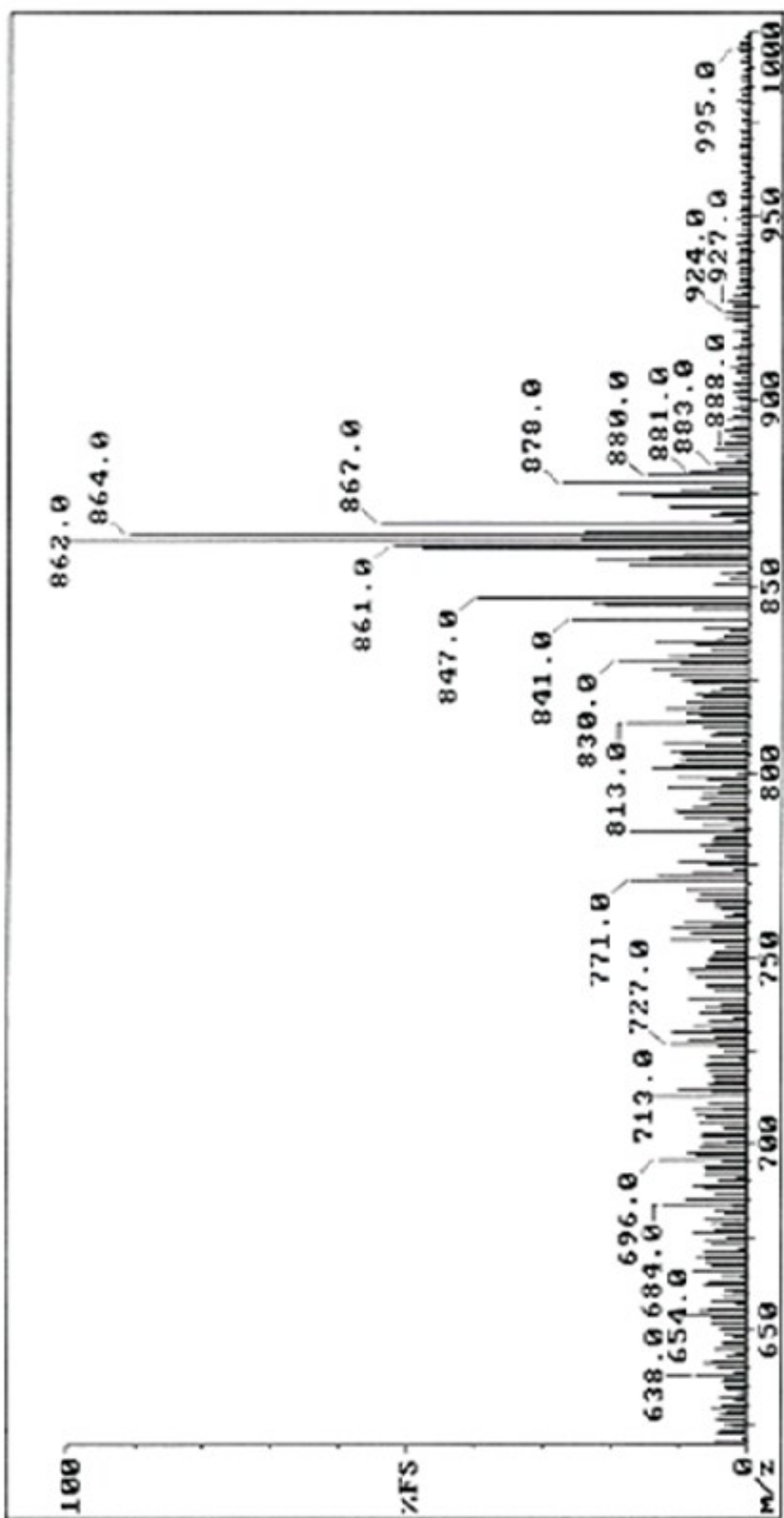


Figure S3: FAB spectrum of 2,3-[1'-2'-cyclohexane(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (4)

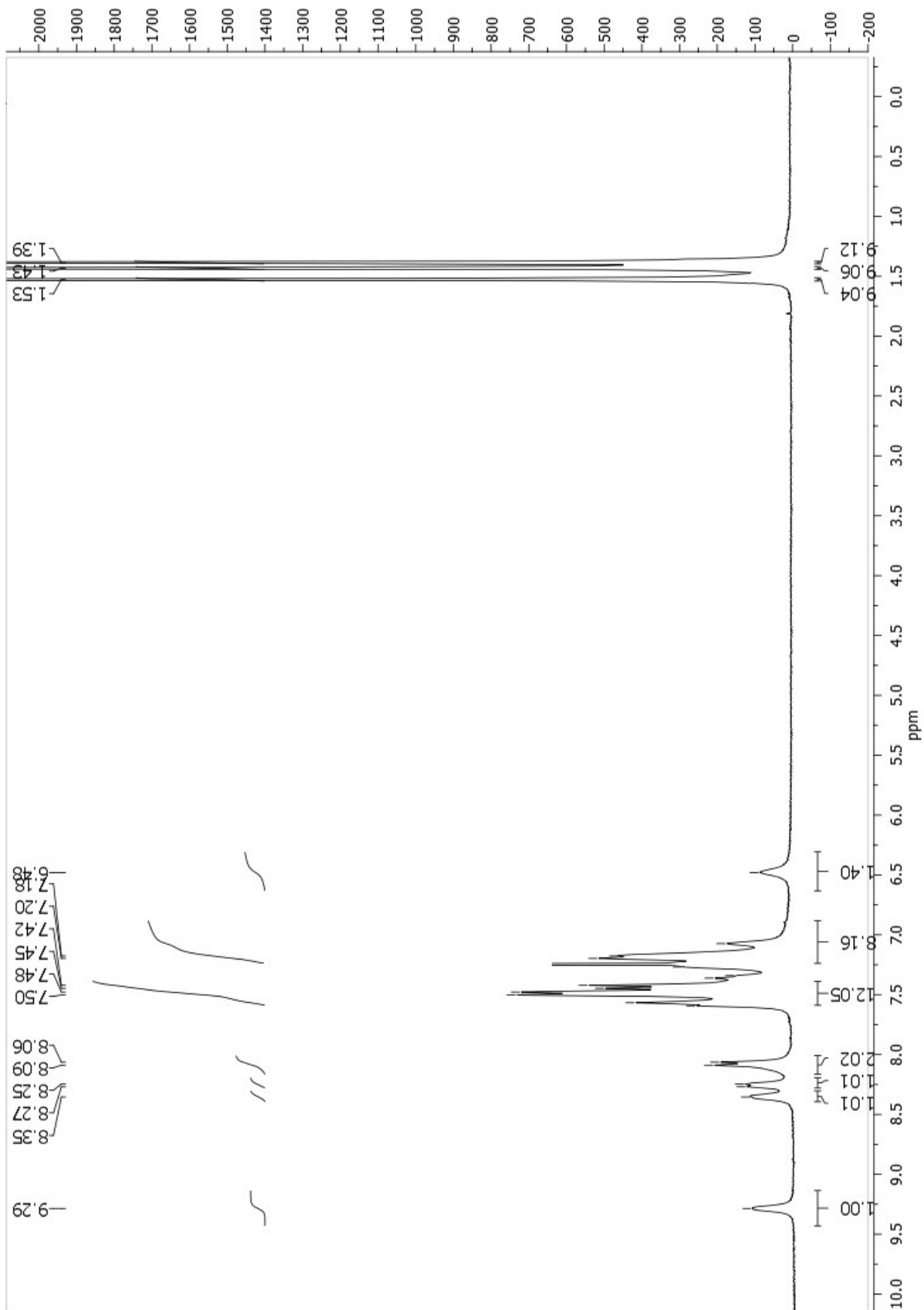


Figure S4: ¹H NMR spectrum of 2,3-[1'-2'-phenanthrene(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (5)

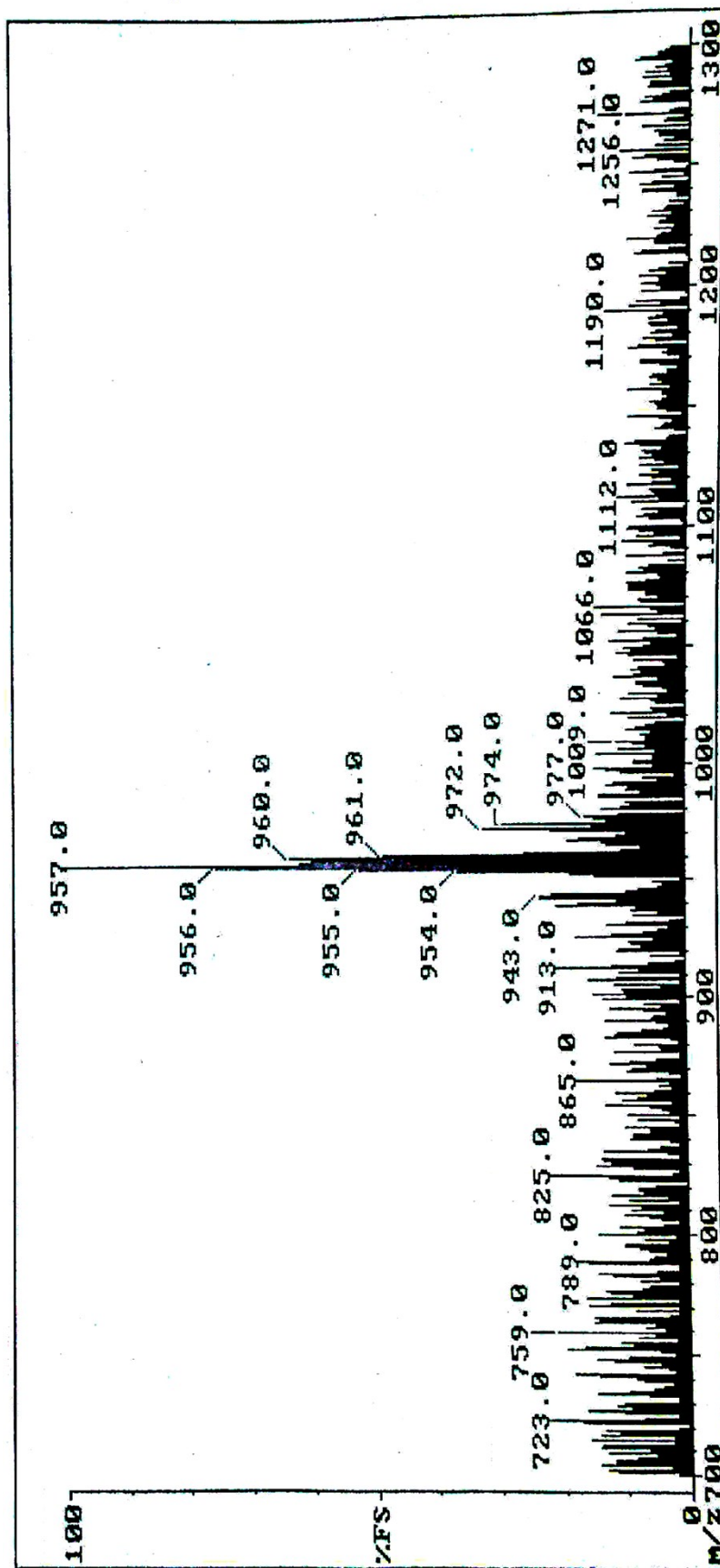


Figure S5: FAB spectrum of 2,3-[1'-2'-phenanthrene(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (5)

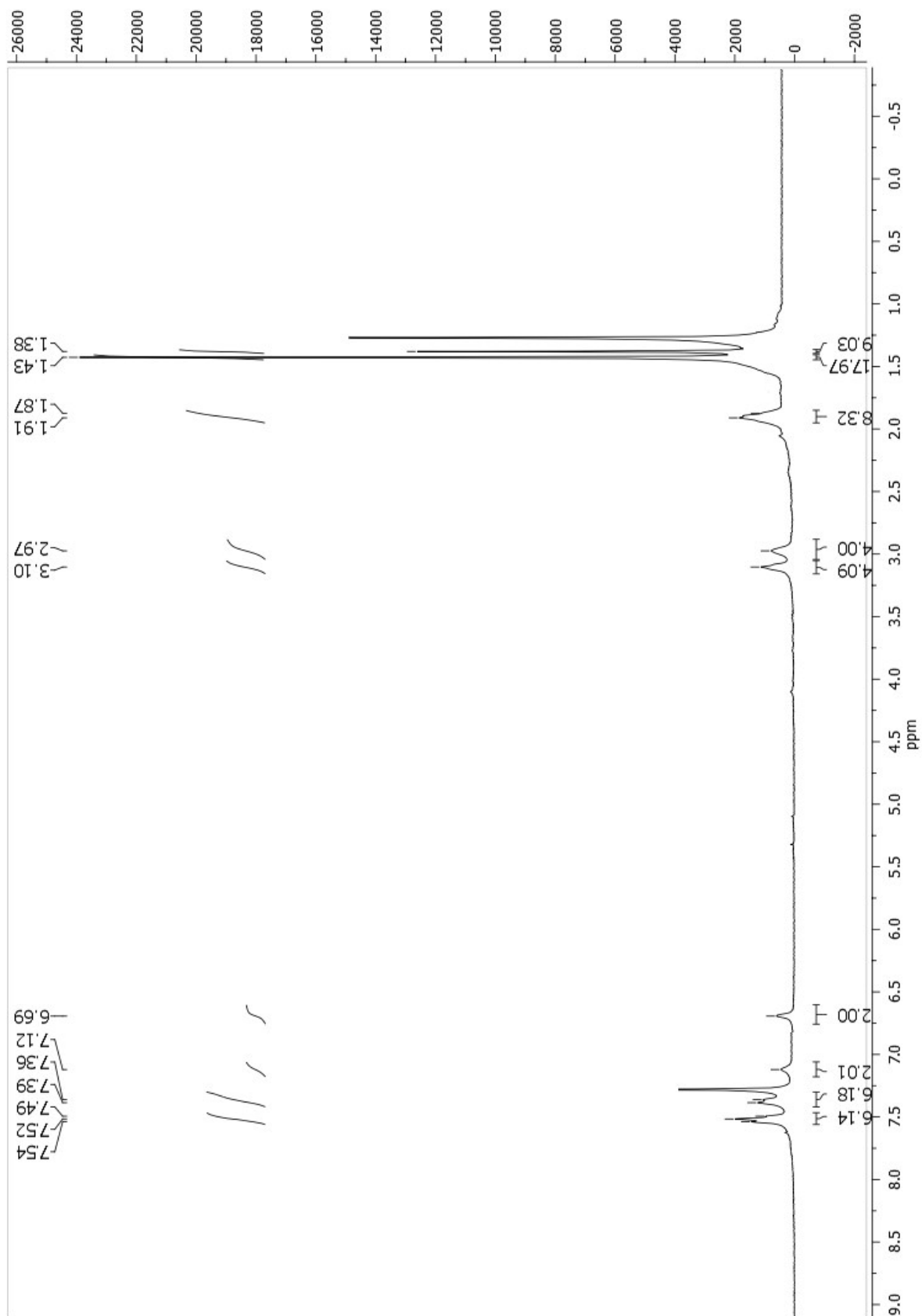


Figure S6: ¹H NMR spectrum of 2,3,17,18-bis[1'-2'-cyclohexane(b)pyrazino]-5,10,15-tris(4-tert-butylphenyl)corrolato-Cu (**6**)

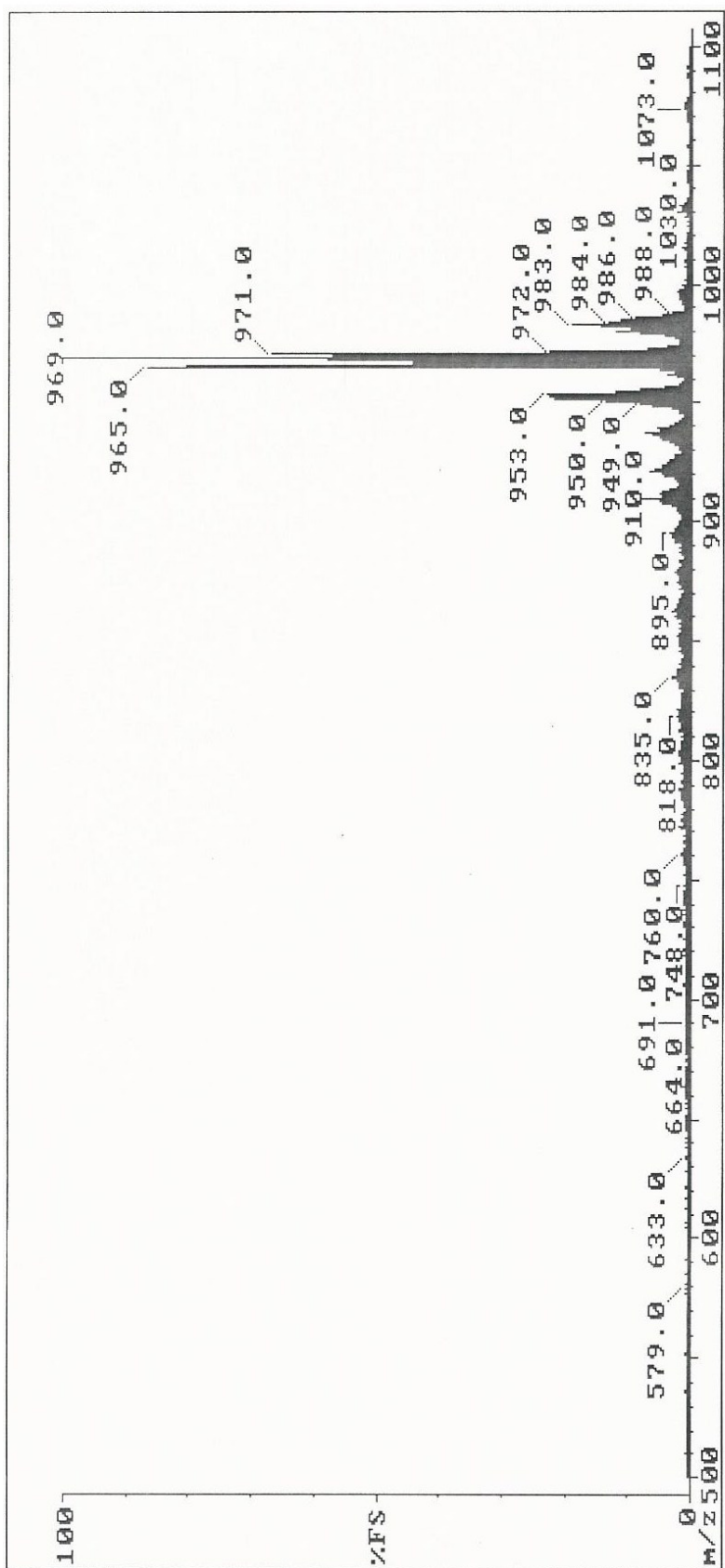


Figure S7: FAB spectrum of 2,3,17,18-bis[1'-2'-cyclohexane(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (**6**)

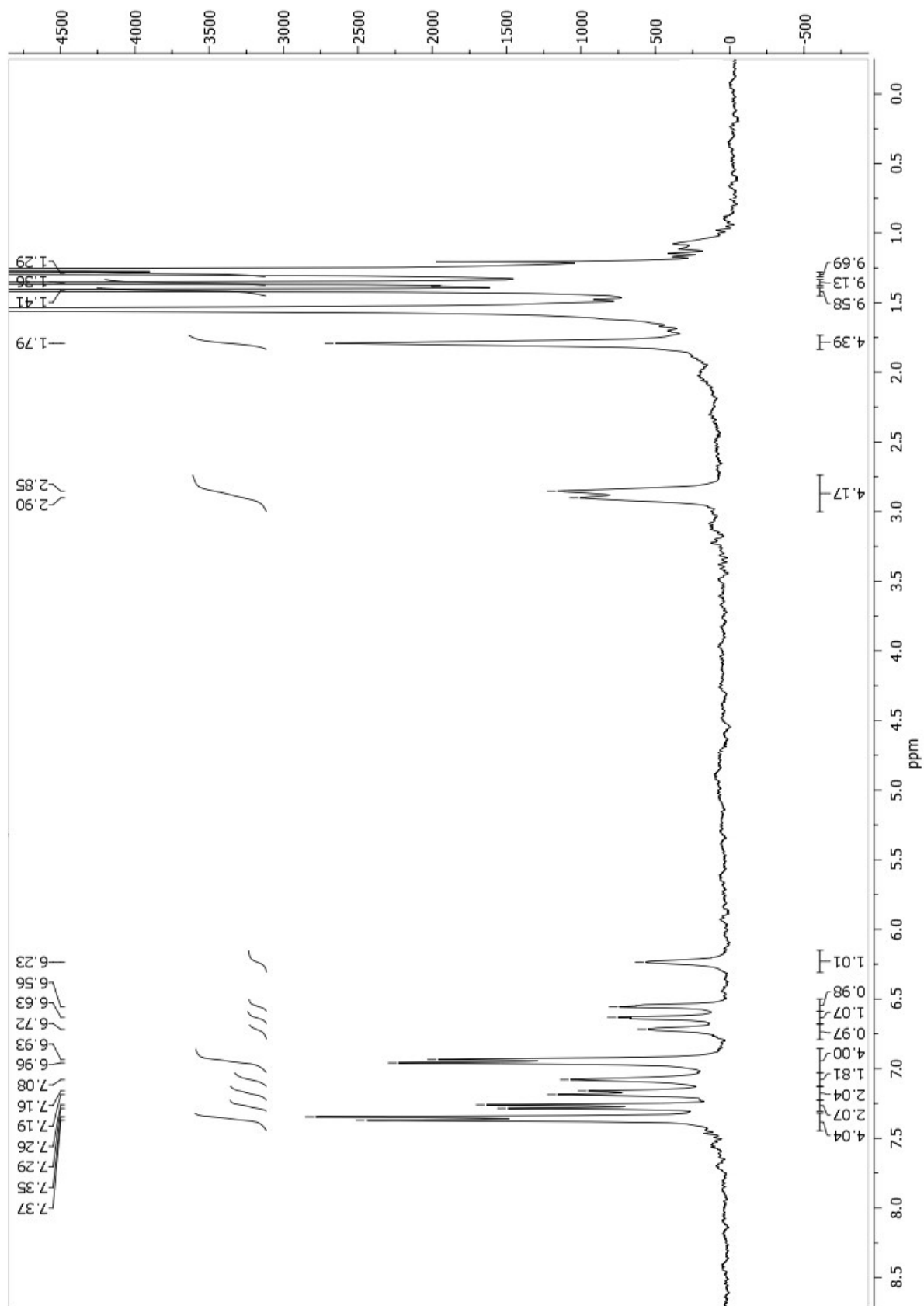


Figure S8: ¹H NMR spectrum of 2,3-[1'-2'-cyclohexane(b)pyrazino]-17-NO₂-18-NH₂-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (7)

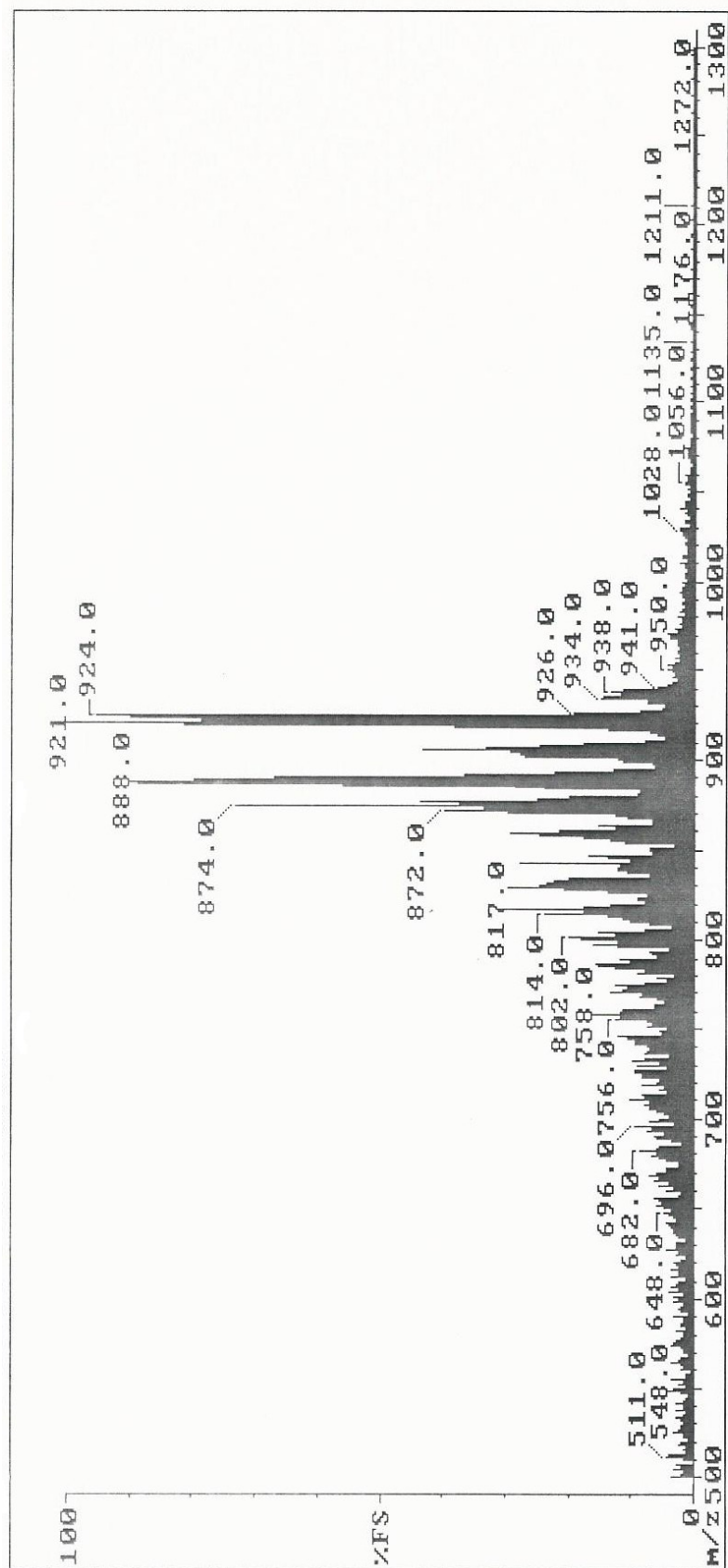


Figure S9: FAB spectrum of 2,3-[1'-2'-cyclohexane(b)pyrazino]-17-NO₂-18-NH₂-5,10,15-tris(4-*tert*-butylphenyl)corrolato-Cu (7)

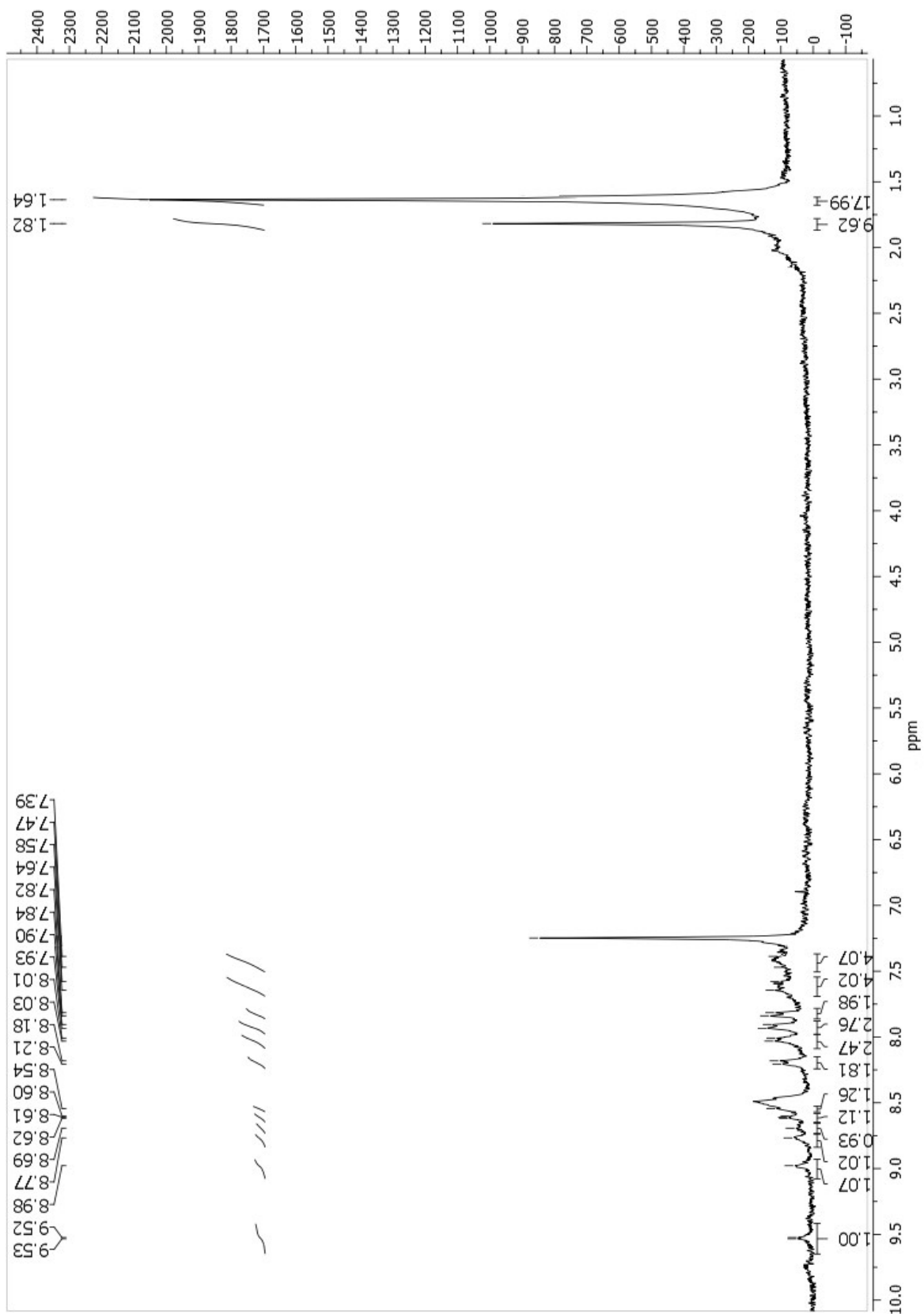


Figure S10: ^1H NMR spectrum of 2,3-[1'-2'-phenanthrene(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrole (**8**)

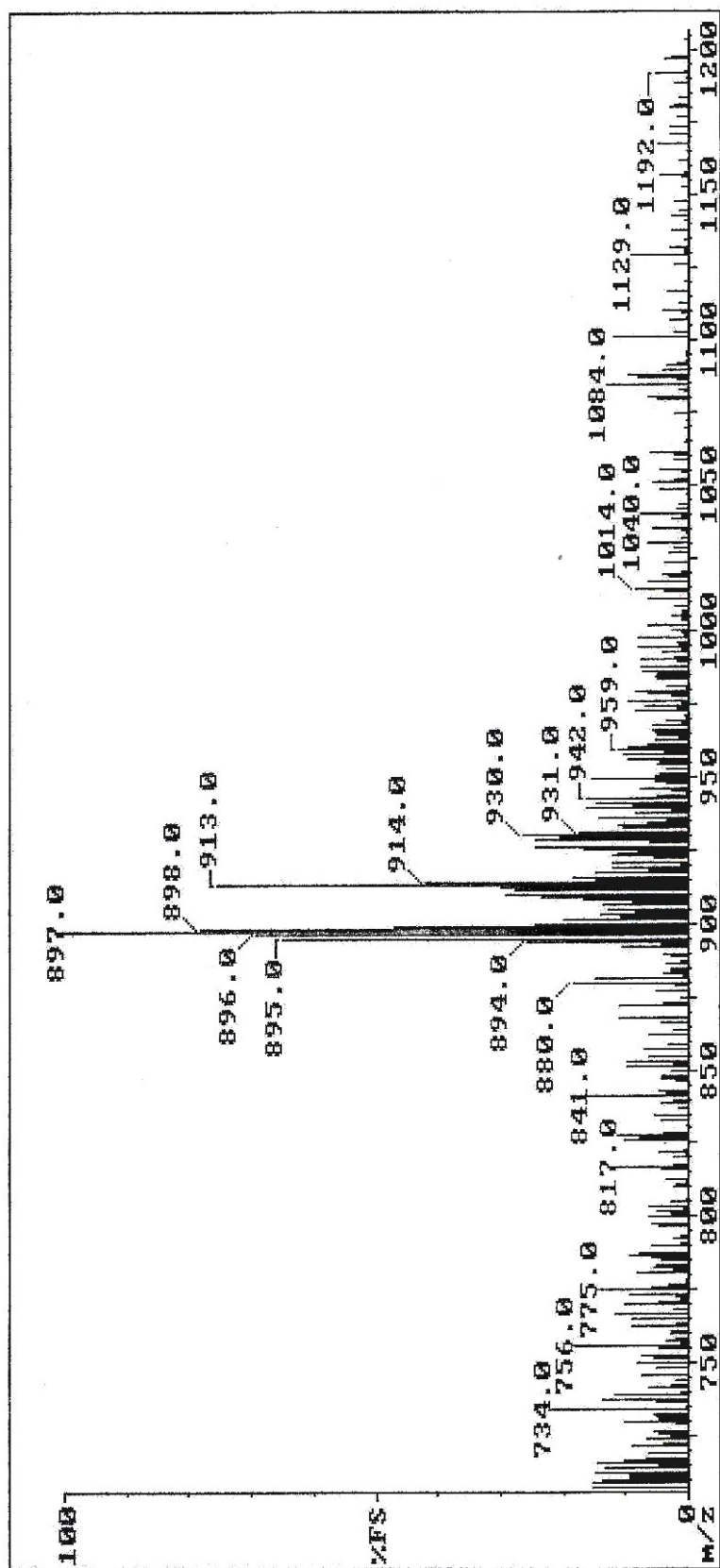


Figure S11: FAB spectrum of 2,3-[1'-2'-phenanthrene(b)pyrazino]-5,10,15-tris(4-*tert*-butylphenyl)corrole (**8**)