

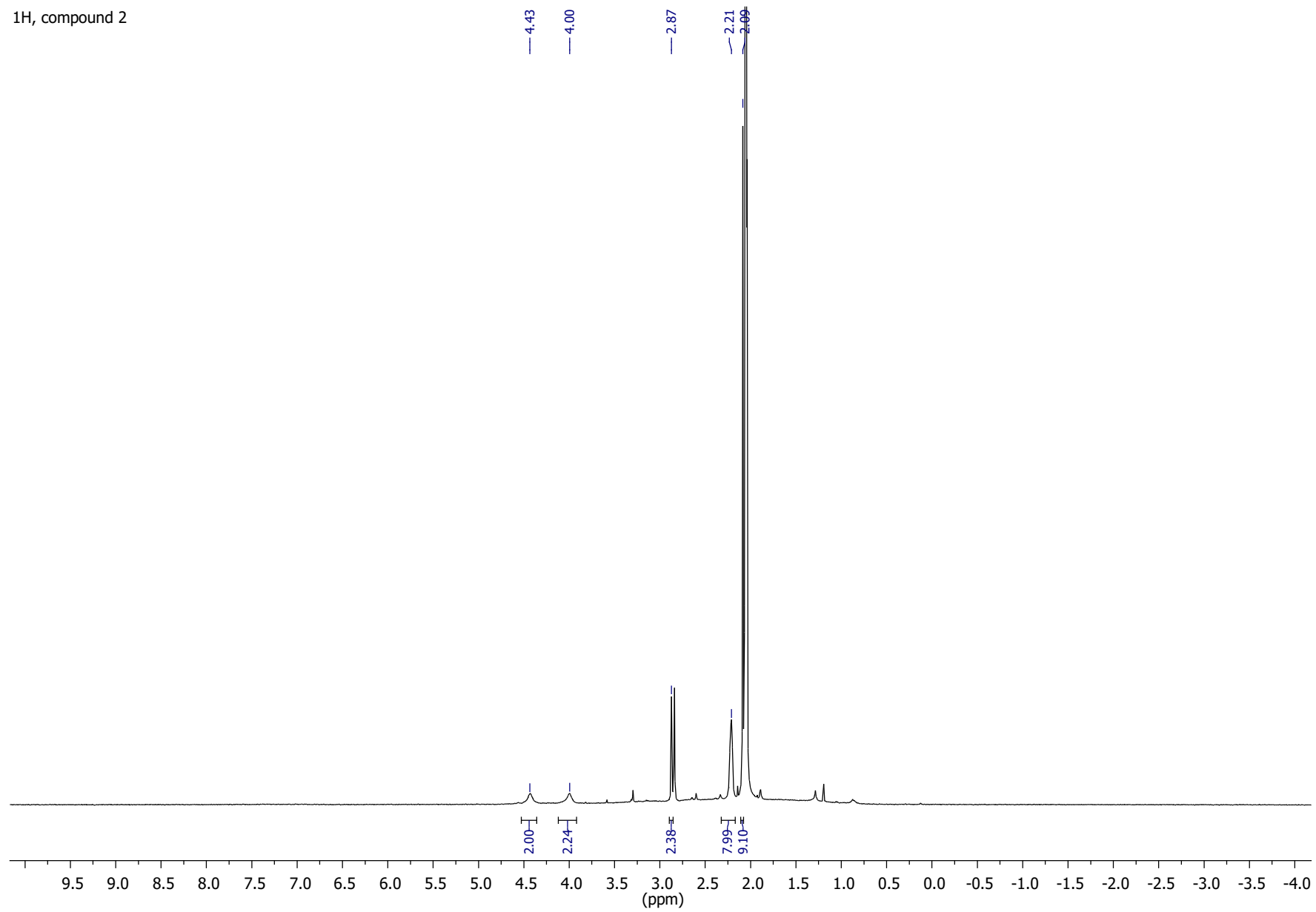
SUPPORTING INFORMATION

Bis(Dicarbollide) Complexes of Transition Metals as a Platform for Molecular Switches. Study of Complexation of 8,8'-Bis(Methylsulfanyl) Derivatives of Cobalt and Iron Bis(Dicarbollides)

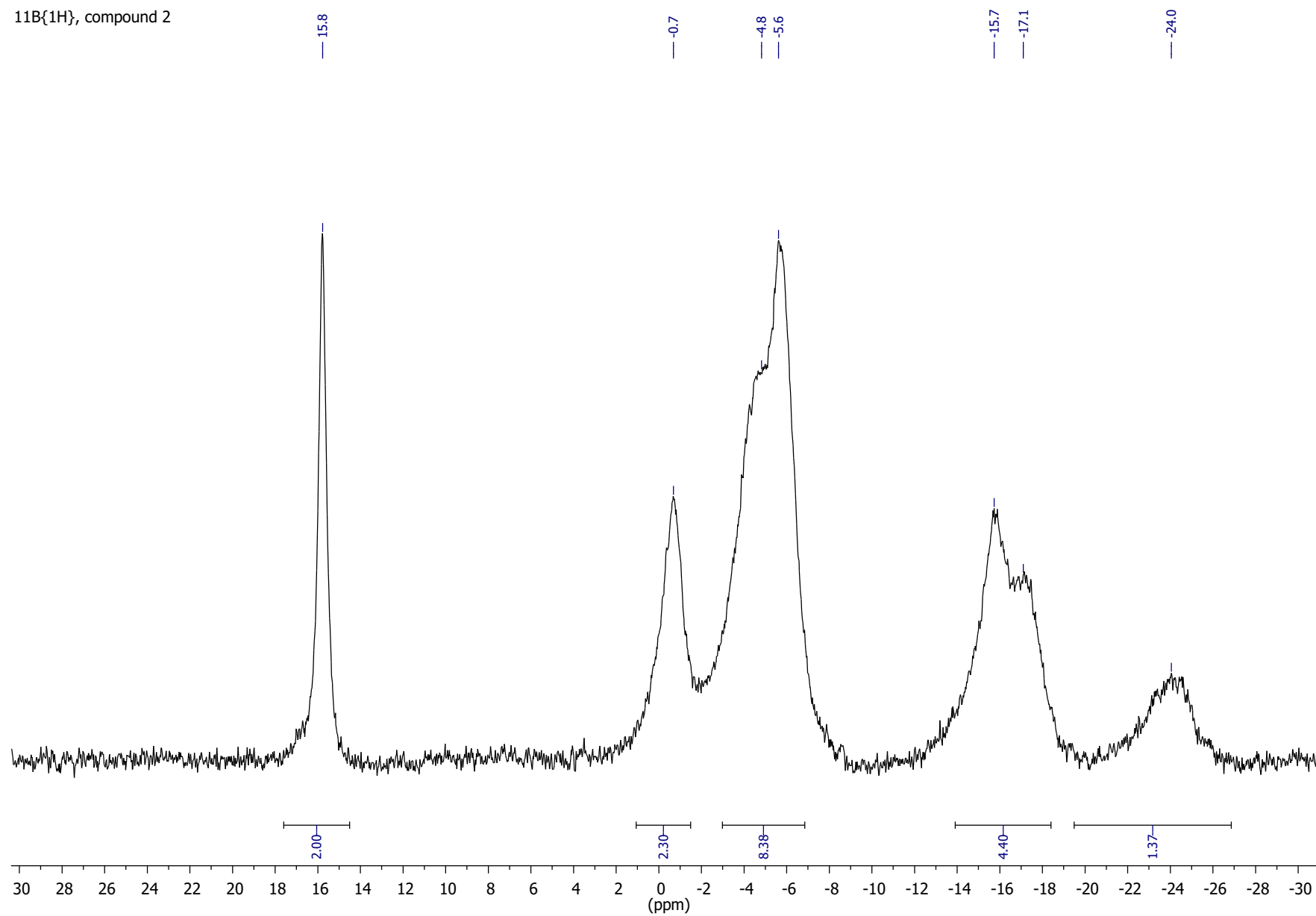
Sergey A. Anufriev, Sergey V. Timofeev, Alexei A. Anisimov, Kyrill Yu. Suponitsky and Igor B. Sivaev

NMR spectra	2
Cu(I) complex with 8,8'-(SMe) ₂ Cobalt(III) <i>bis</i> (Dicarbollide) (2)	2
Ag(I) complex with 8,8'-(SMe) ₂ Cobalt(III) <i>bis</i> (Dicarbollide) (3)	6
Ag(I) complex with 8,8'-(SMe) ₂ Cobalt(III) <i>bis</i> (Dicarbollide) and PPh₃ (4)	10
Pd(II) complex with 8,8'-(SMe) ₂ Cobalt(III) <i>bis</i> (Dicarbollide), PPh₃ and Cl⁻ (5)	13
Rh(I) complex with 8,8'-(SMe) ₂ Cobalt(III) <i>bis</i> (Dicarbollide) and COD (6)	16
Rh(I) complex with 8,8'-(SMe) ₂ Iron(III) <i>bis</i> (Dicarbollide) and COD (8)	22

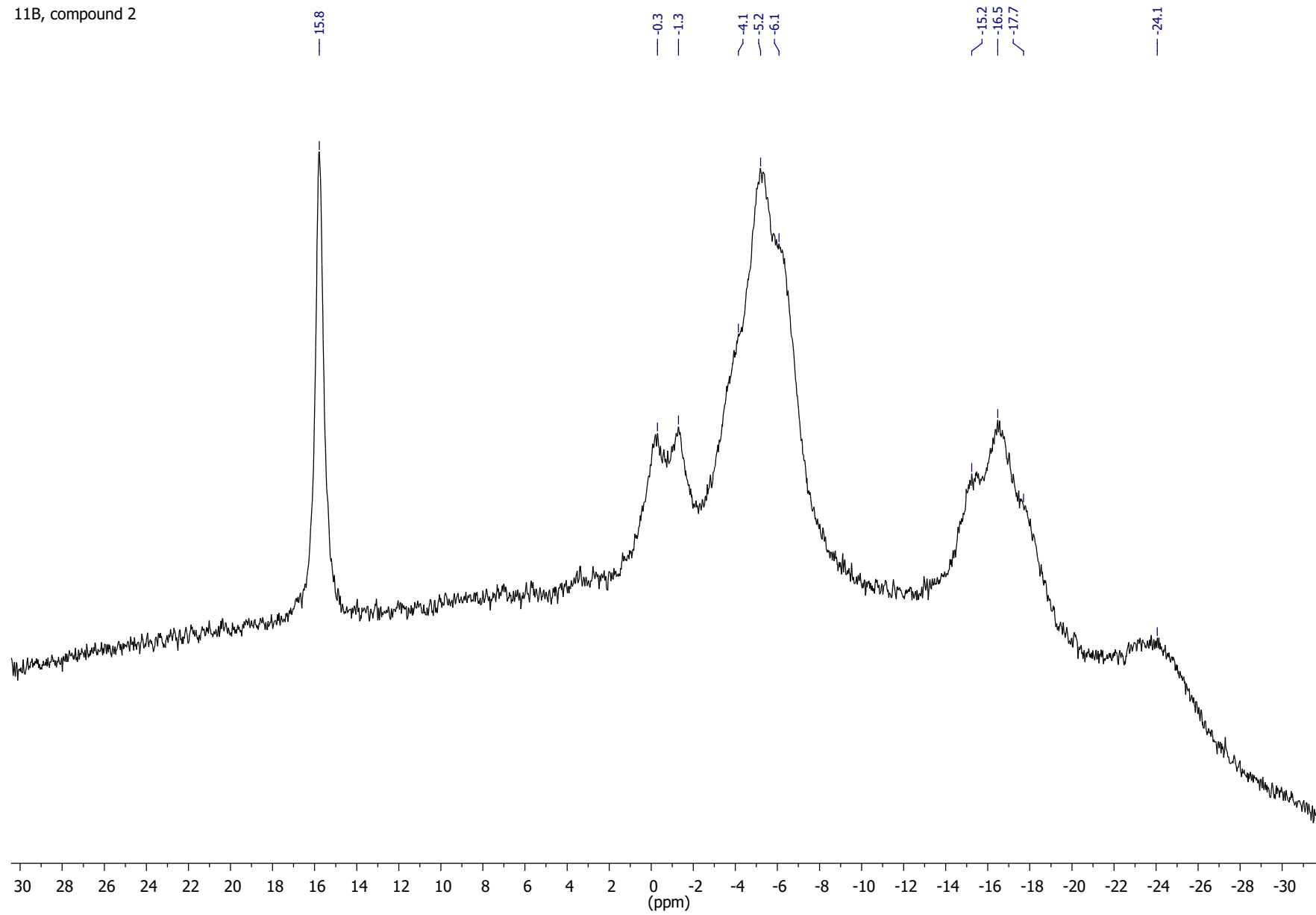
¹H, compound 2

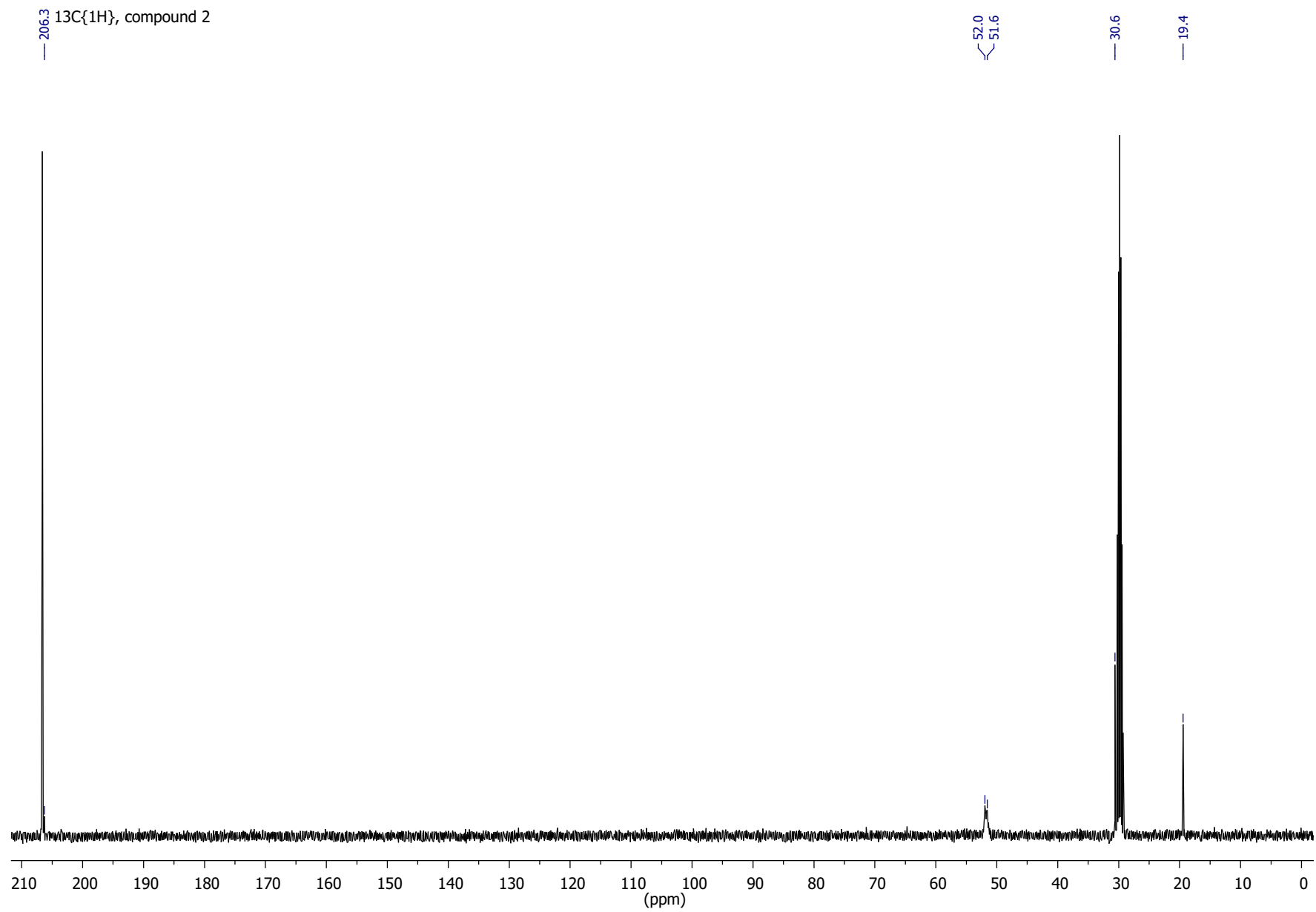


$^{11}\text{B}\{^1\text{H}\}$, compound 2

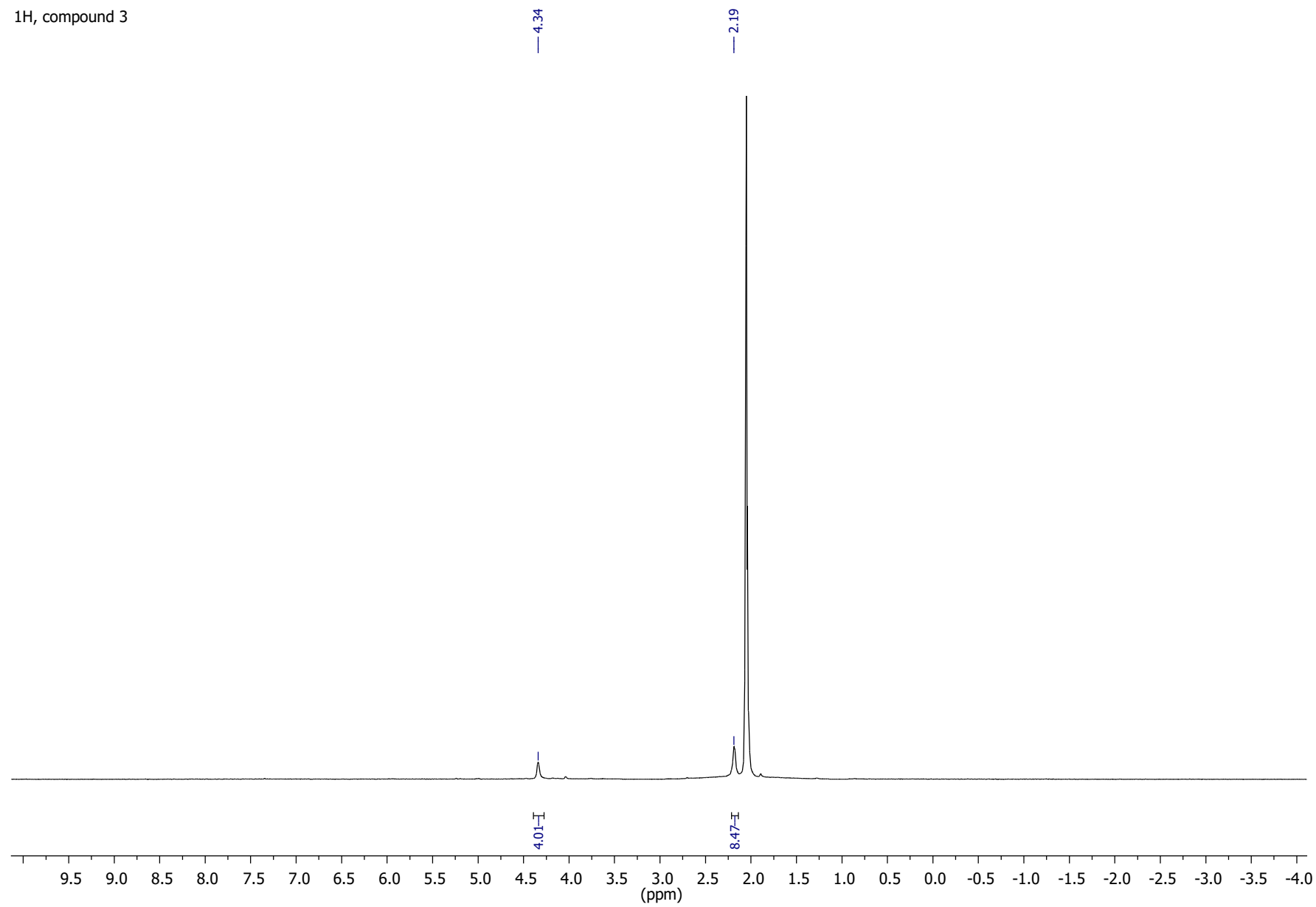


¹¹B, compound 2

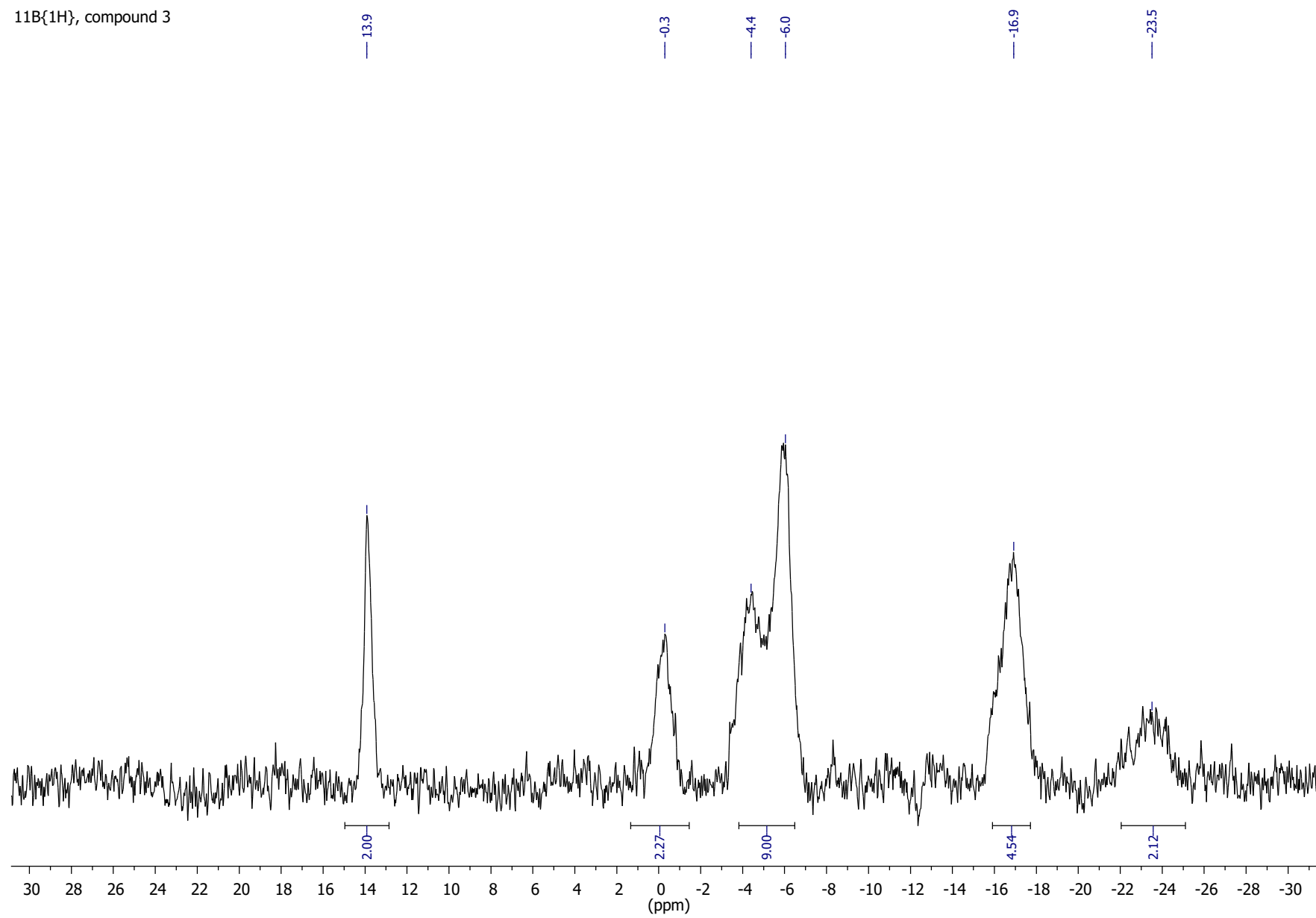




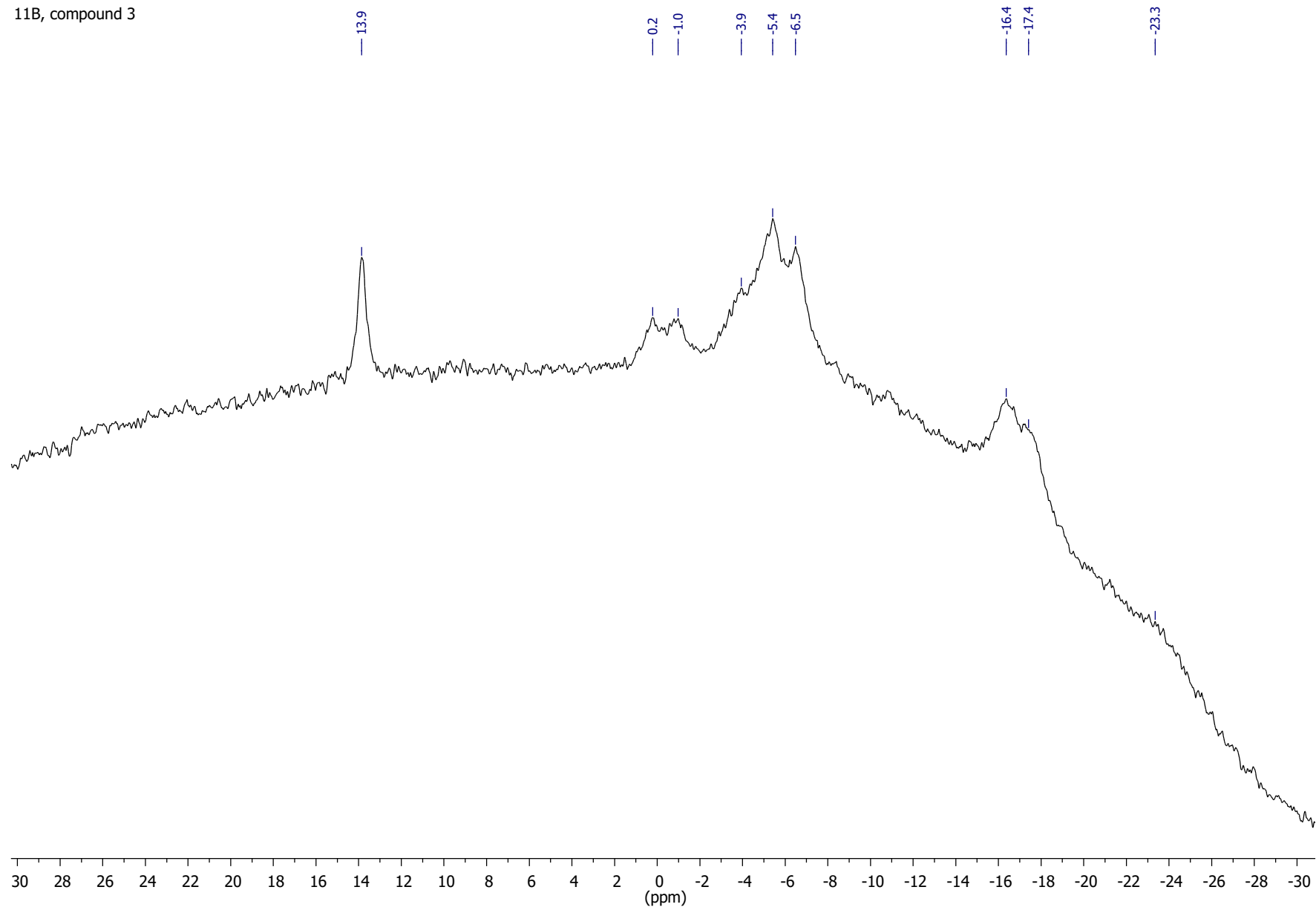
^1H , compound 3



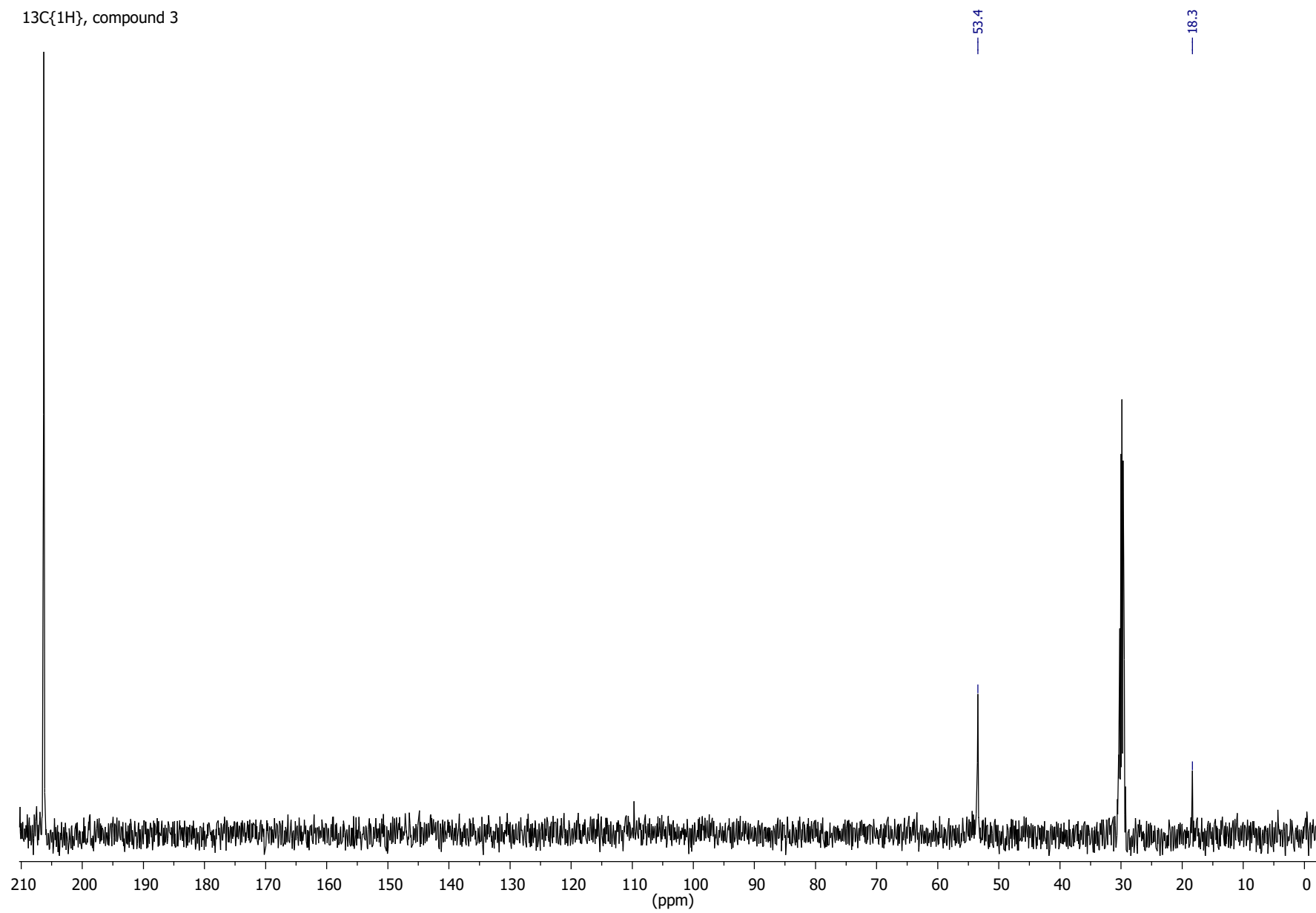
$^{11}\text{B}\{^1\text{H}\}$, compound 3



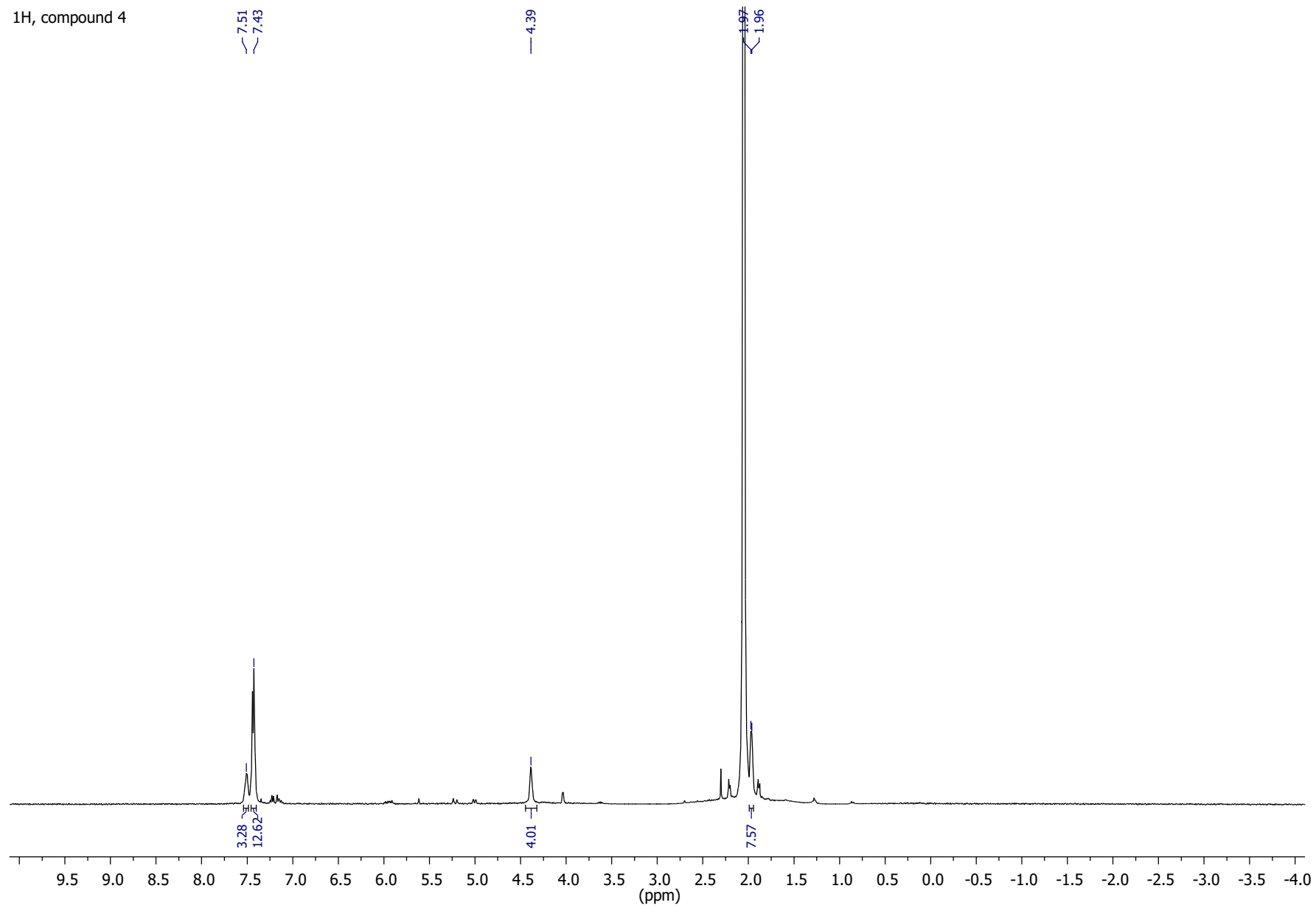
¹¹B, compound 3



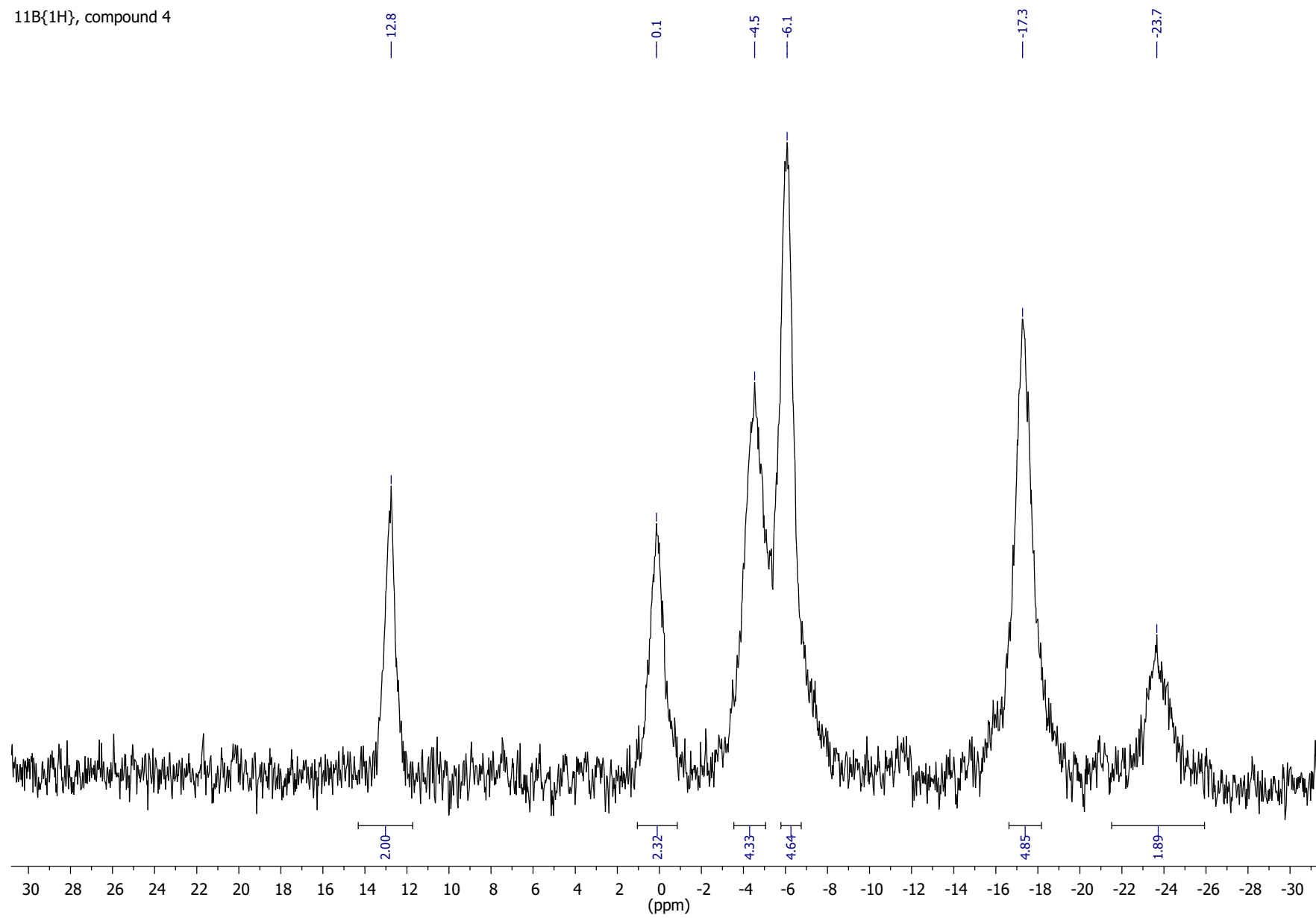
$^{13}\text{C}\{^1\text{H}\}$, compound 3



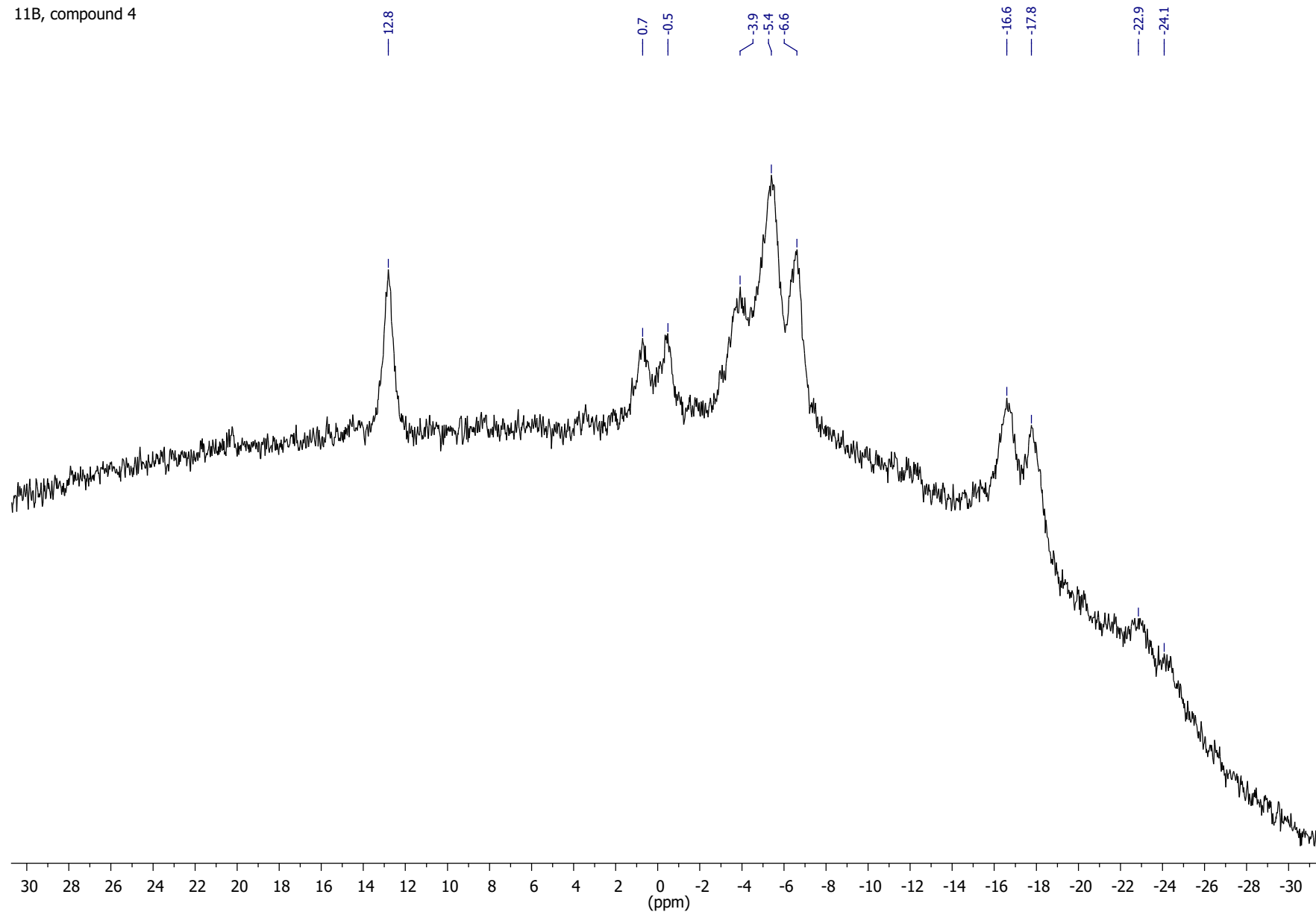
¹H, compound 4



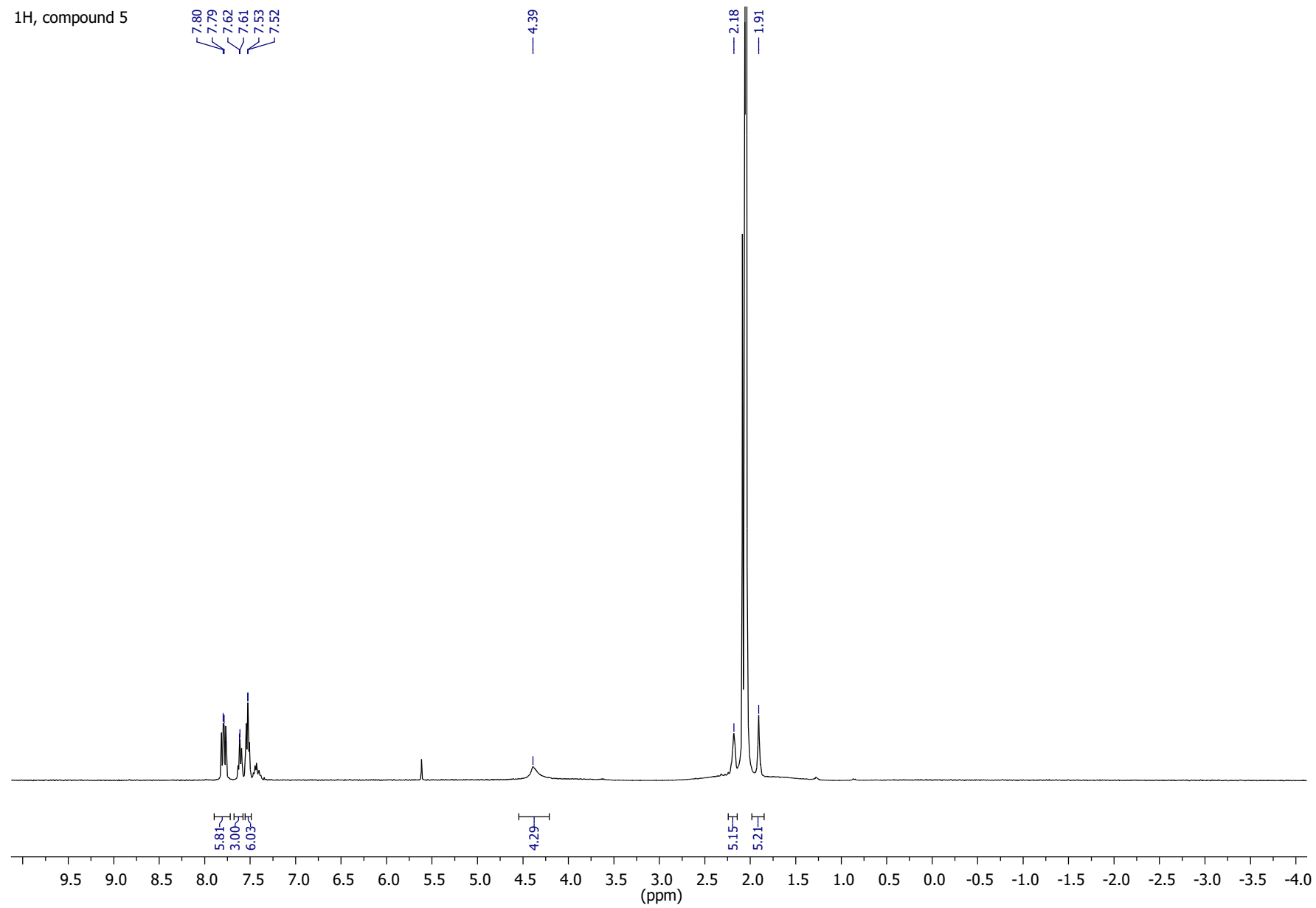
$^{11}\text{B}\{^1\text{H}\}$, compound 4



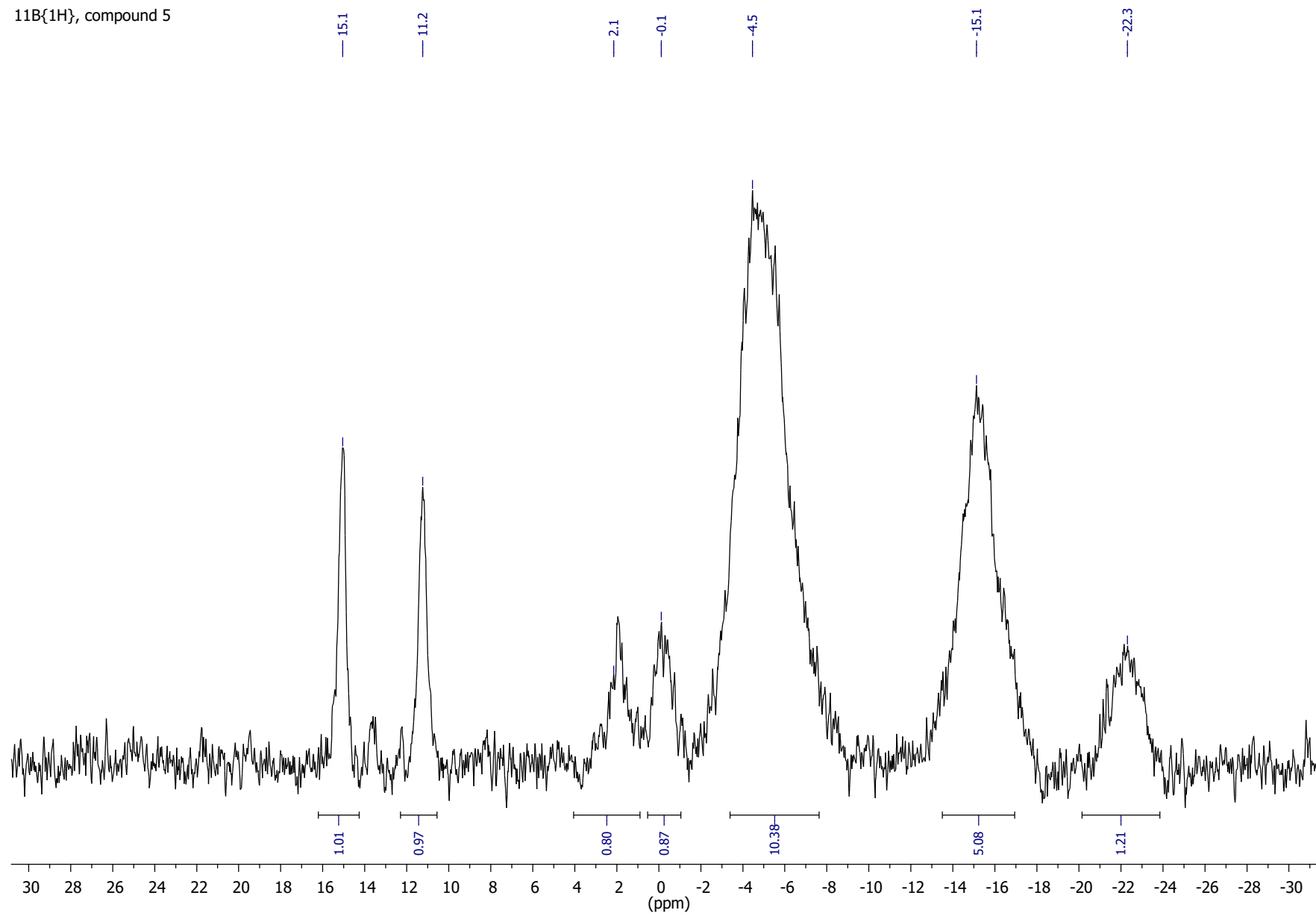
¹¹B, compound 4



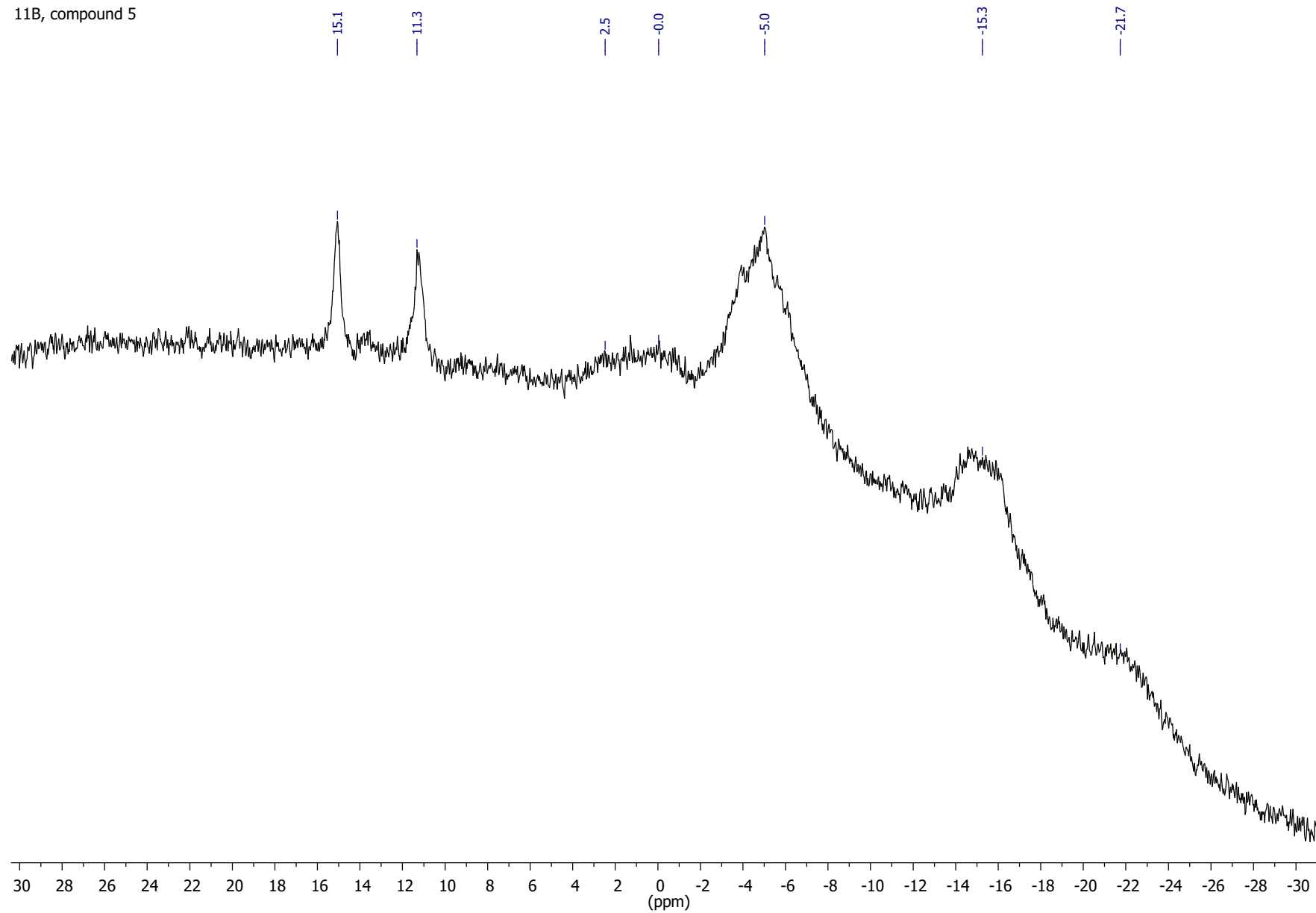
¹H, compound 5



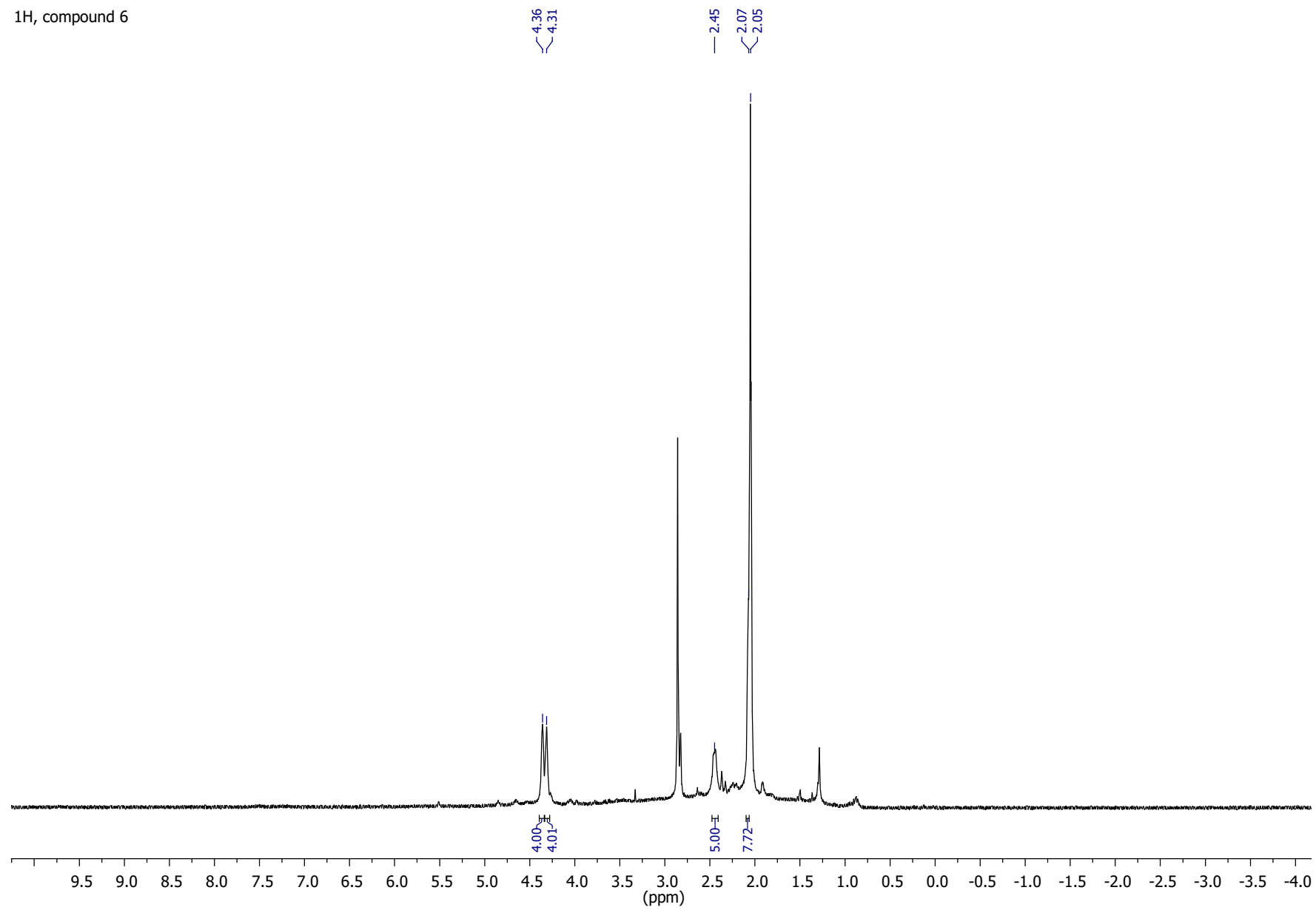
$^{11}\text{B}\{^1\text{H}\}$, compound 5



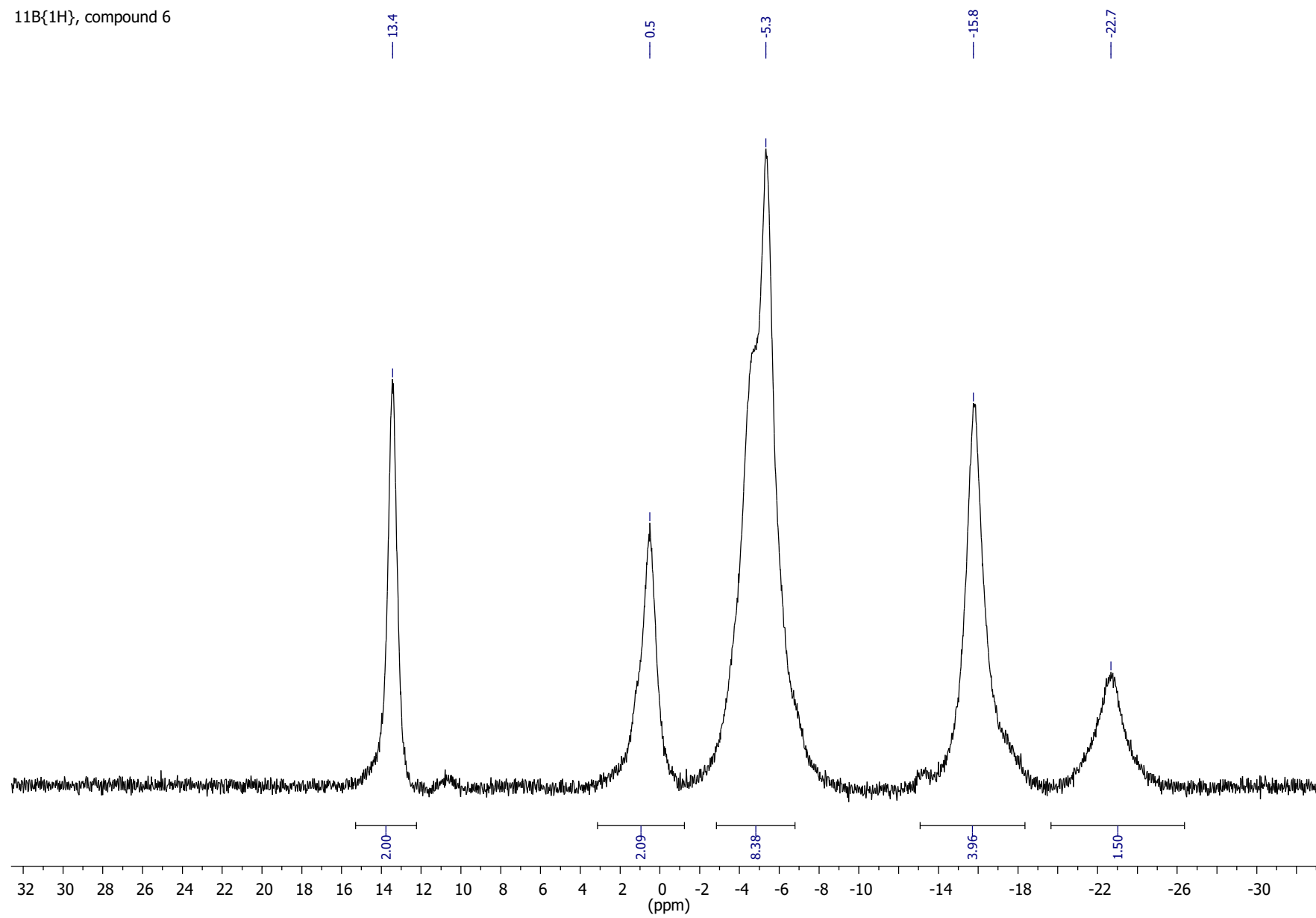
^{11}B , compound 5



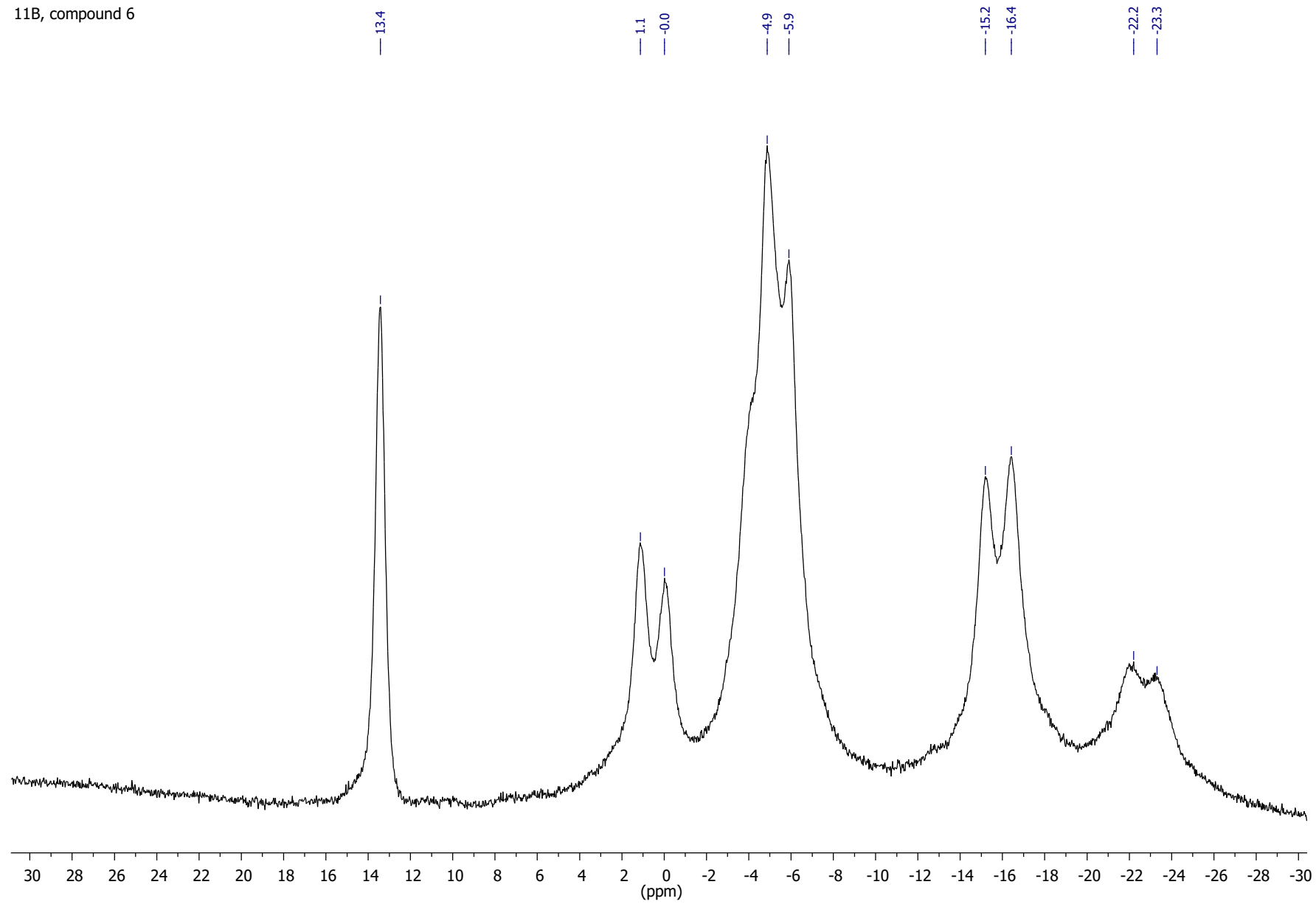
¹H, compound 6



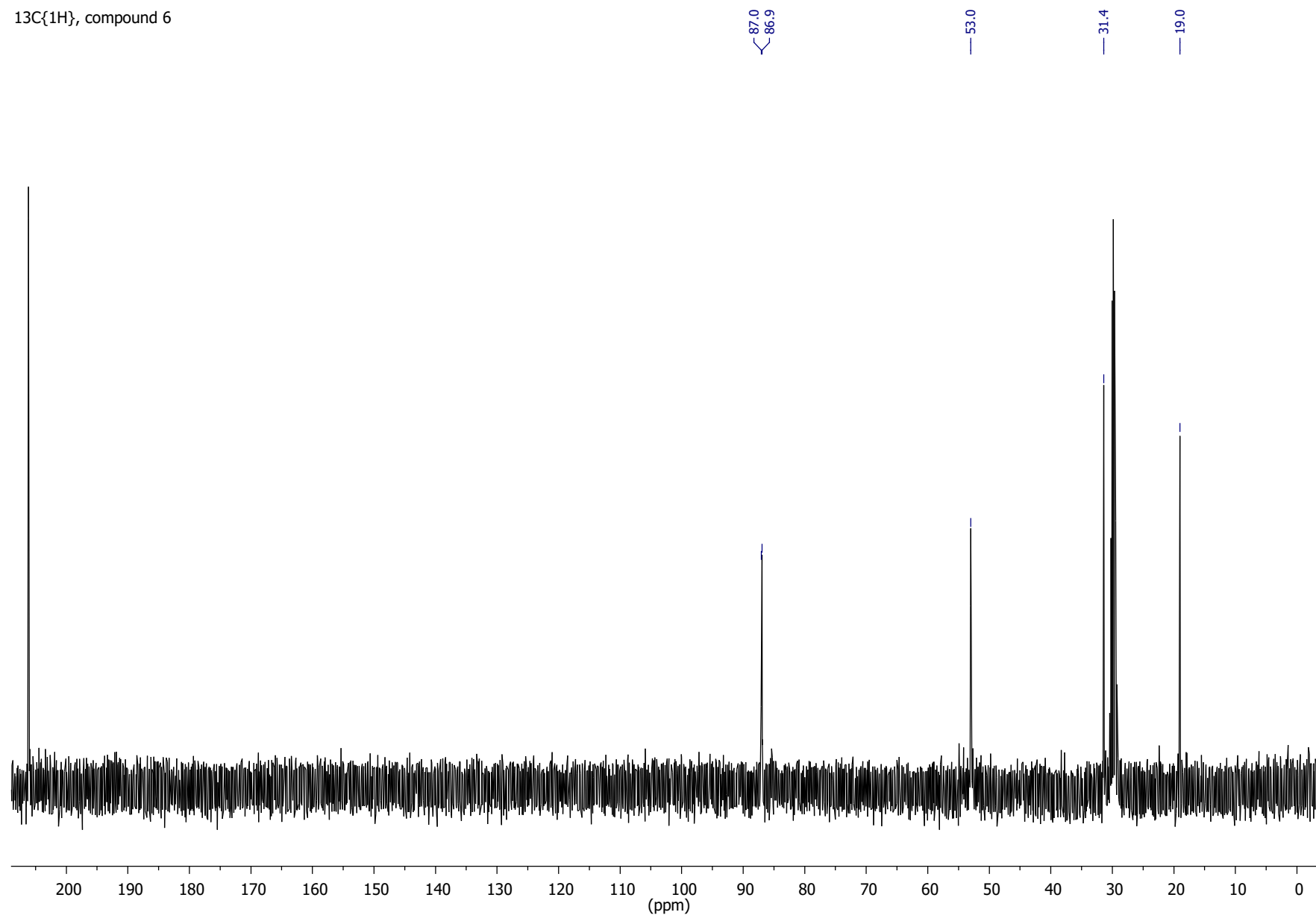
$^{11}\text{B}\{^1\text{H}\}$, compound 6

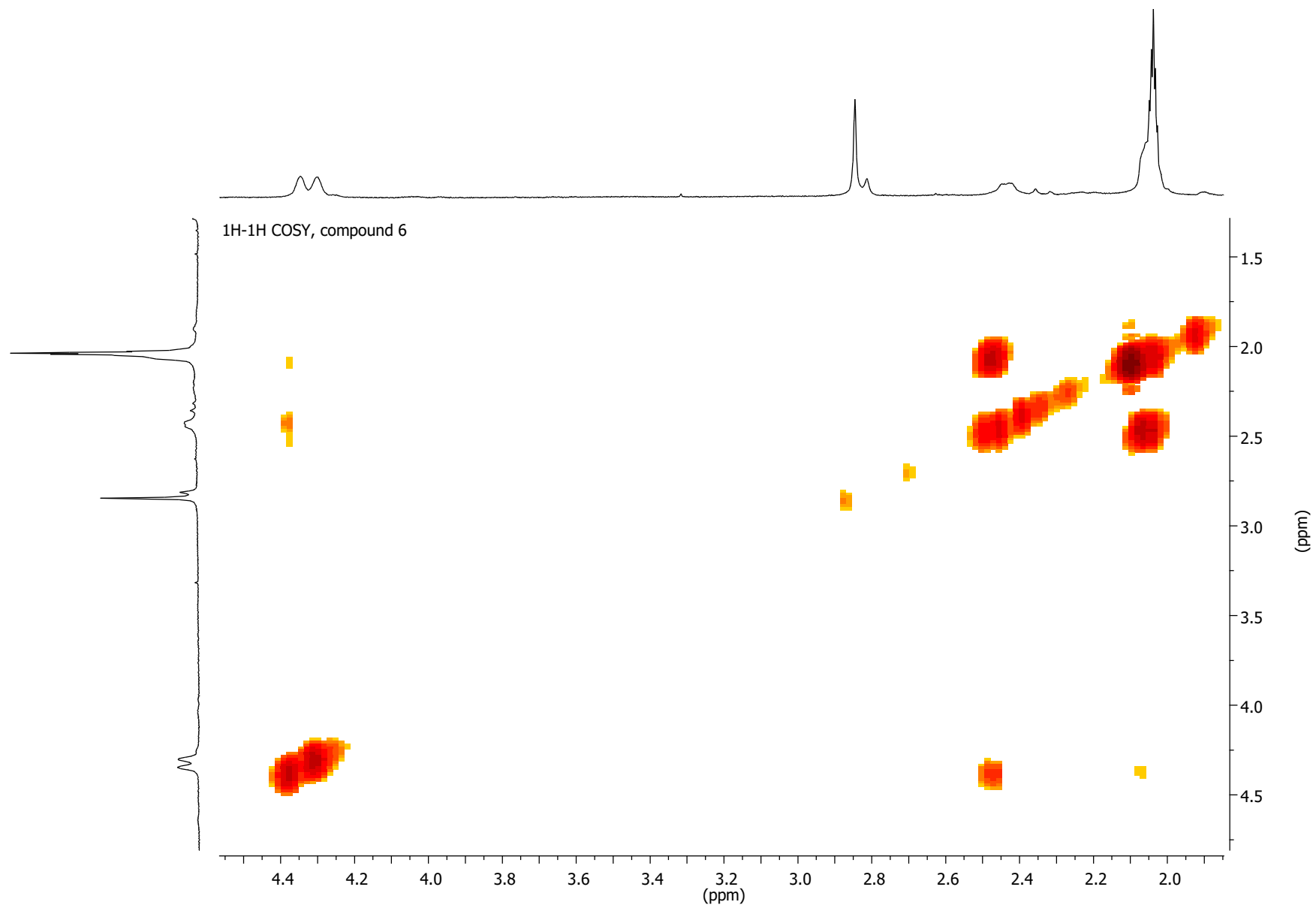


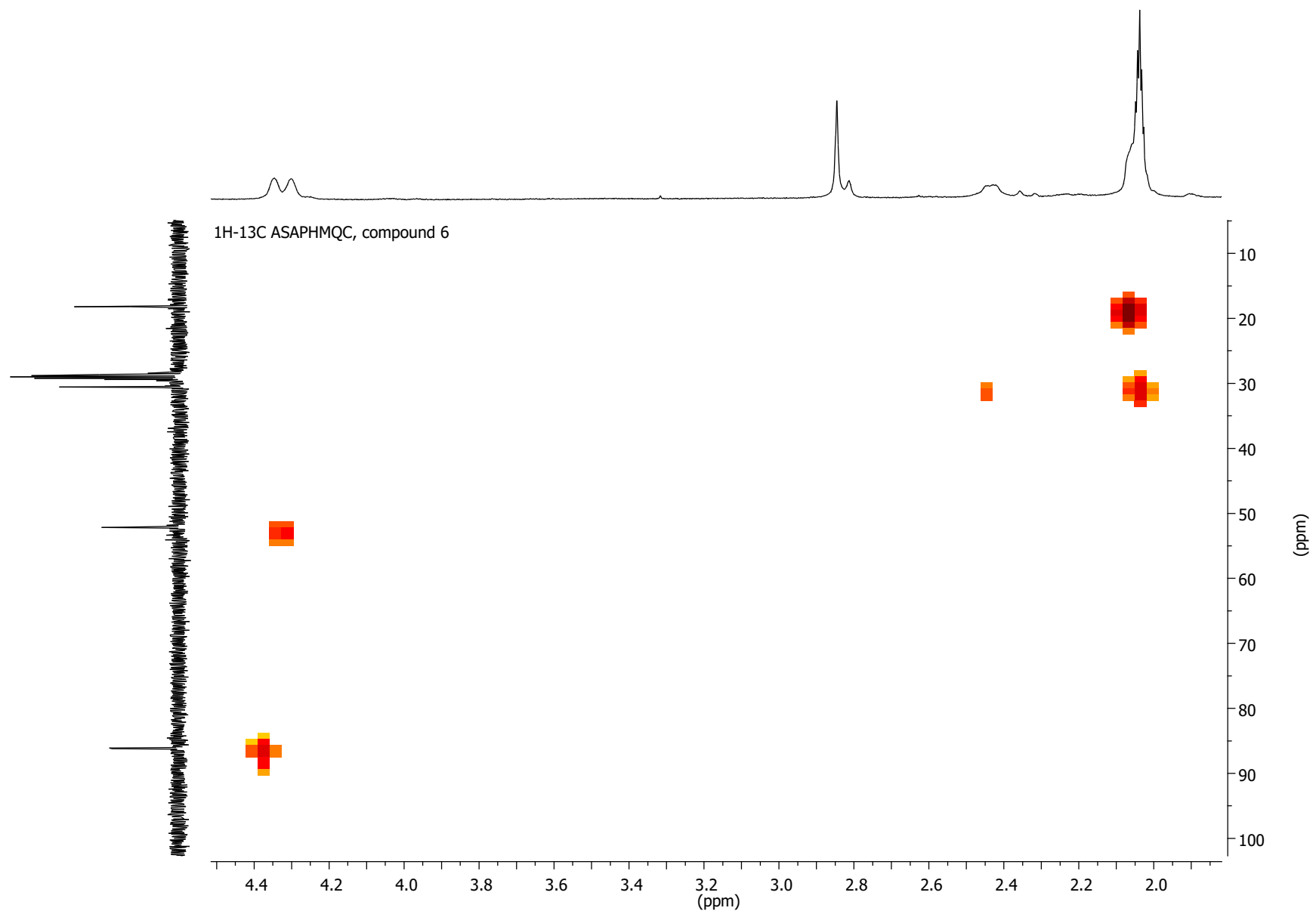
^{11}B , compound 6



$^{13}\text{C}\{^1\text{H}\}$, compound 6

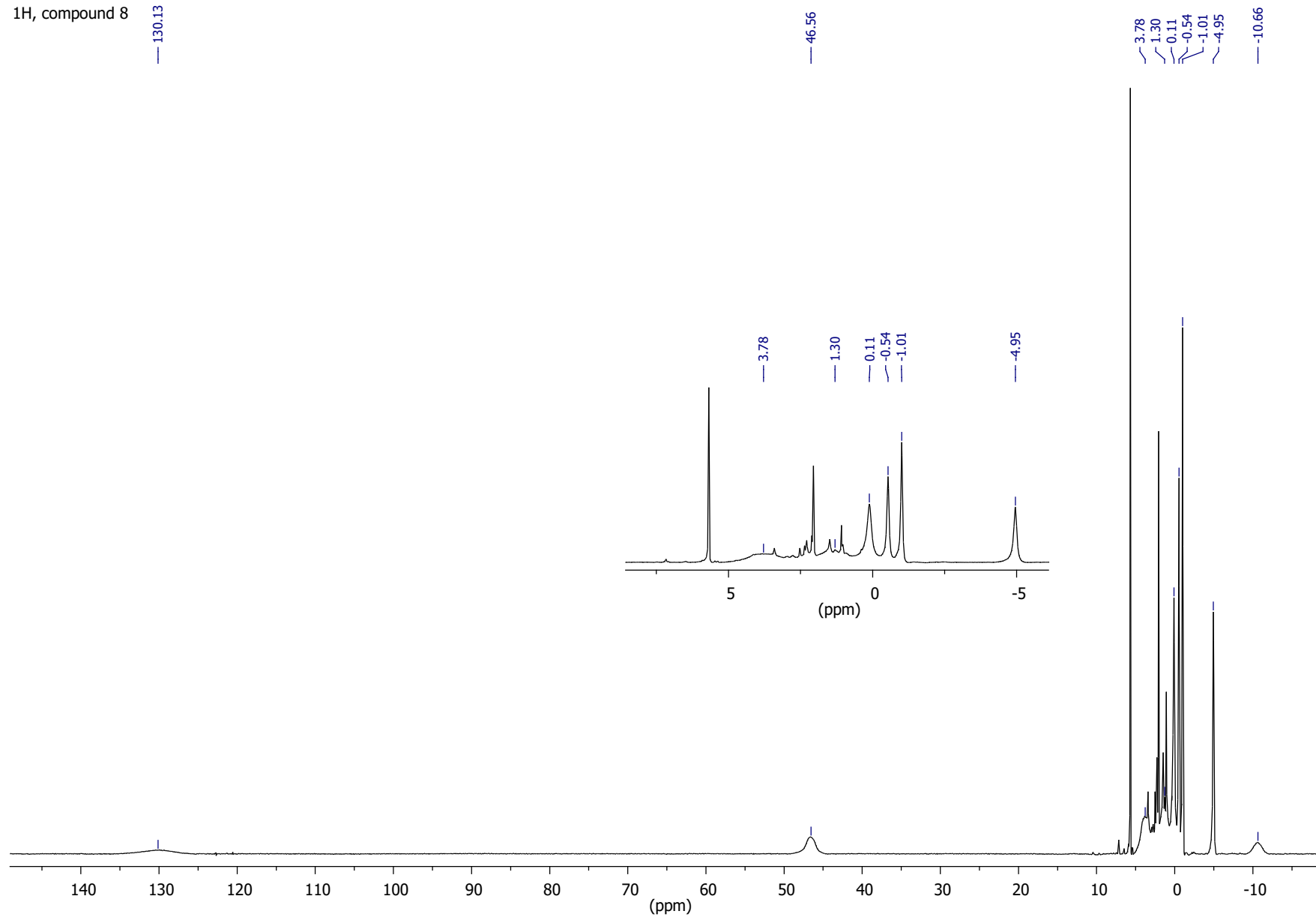




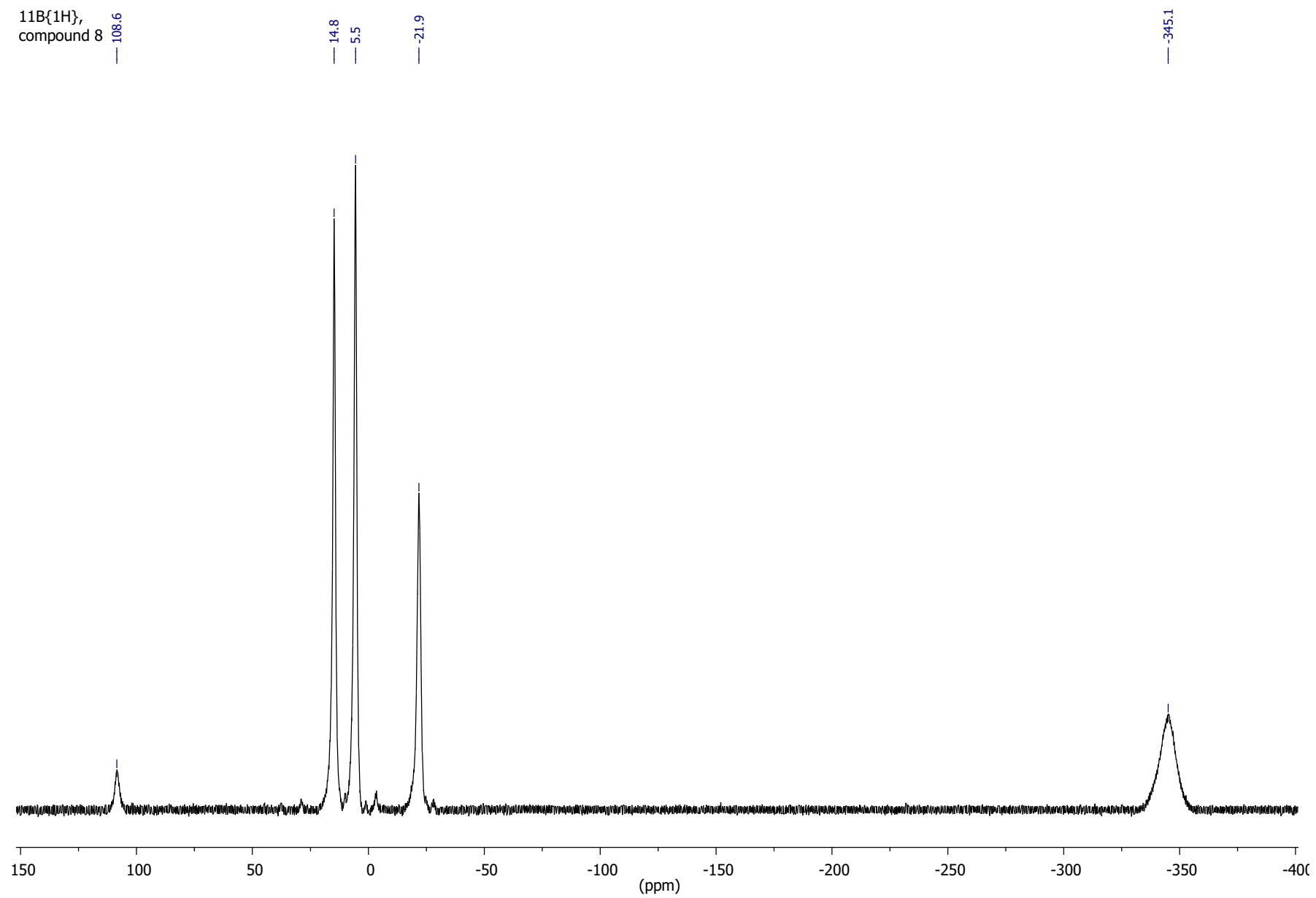


^1H , compound 8

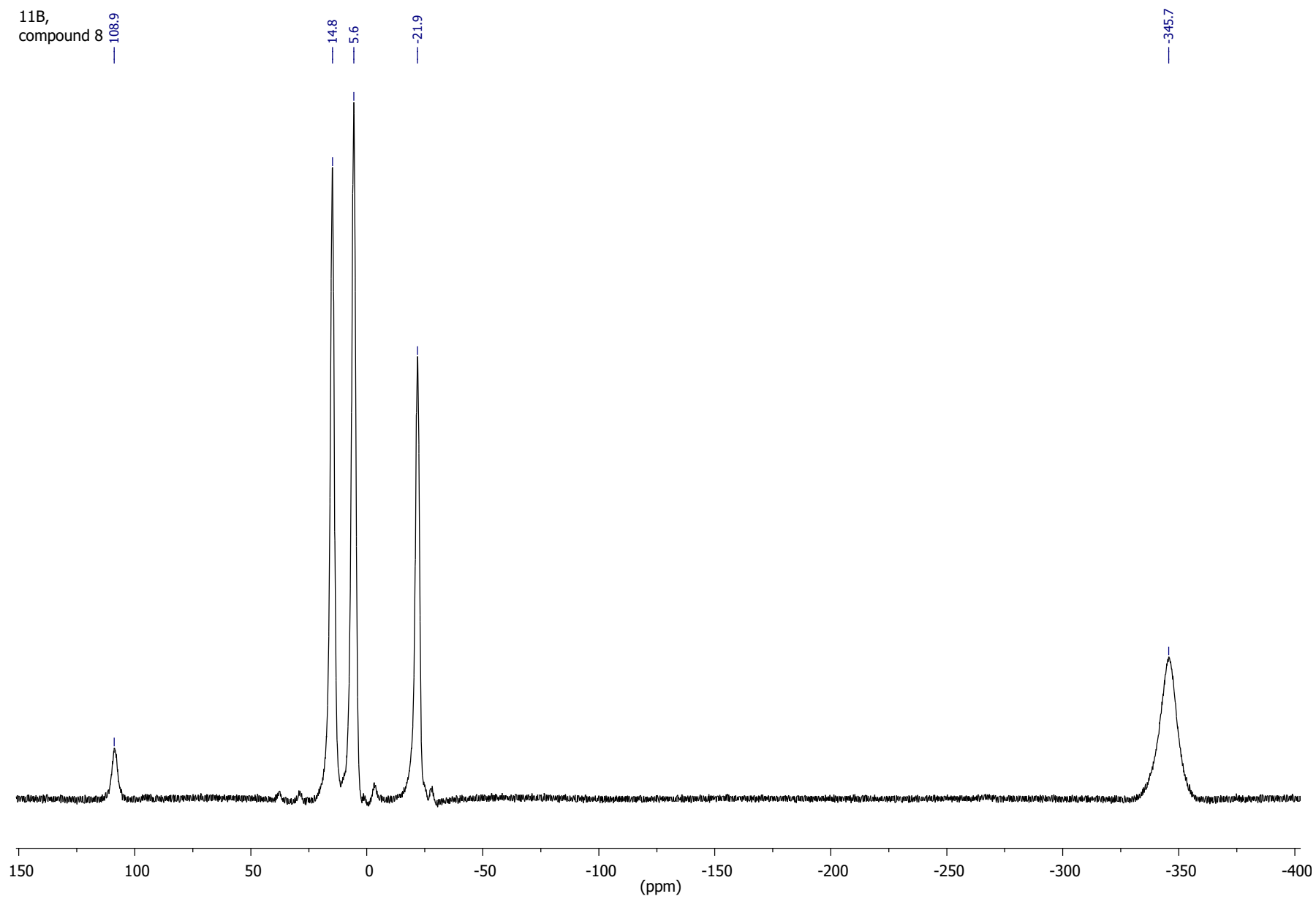
— 130.13



$^{11}\text{B}\{^1\text{H}\}$,
compound 8



¹¹B,
compound 8



$^{13}\text{C}\{^1\text{H}\}$, compound 8

