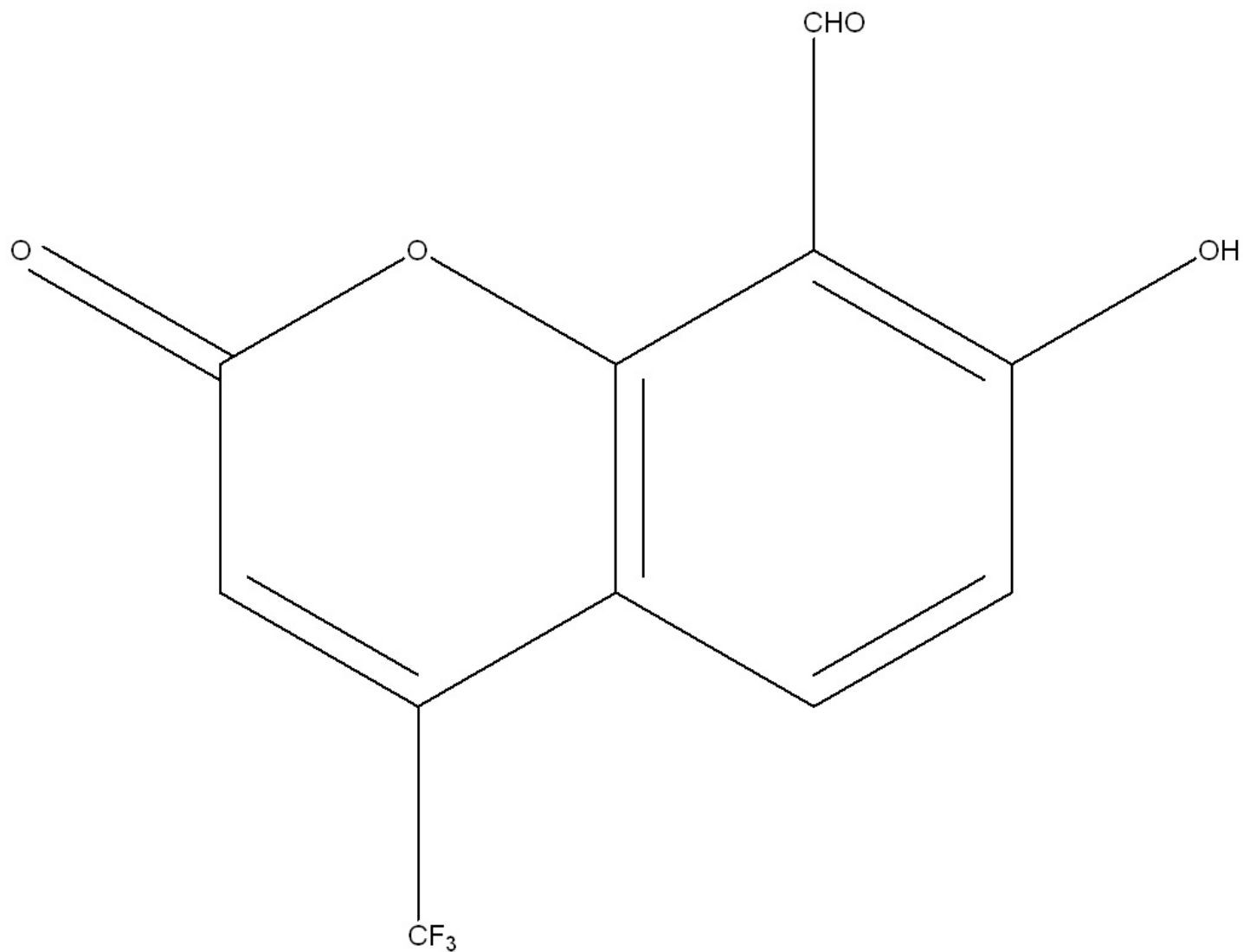


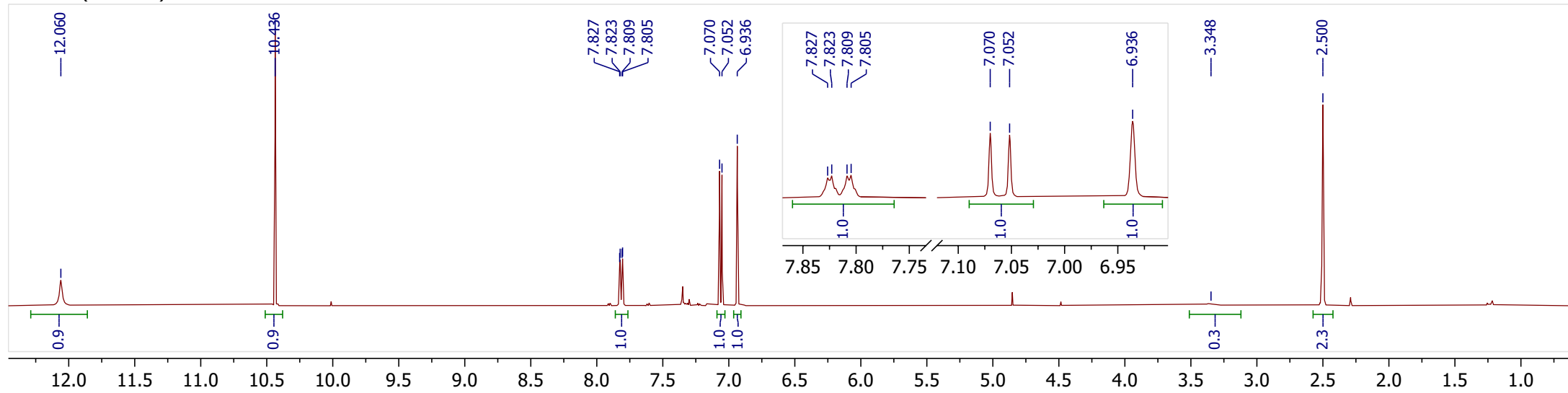
Jméno: _____

Datum: _____

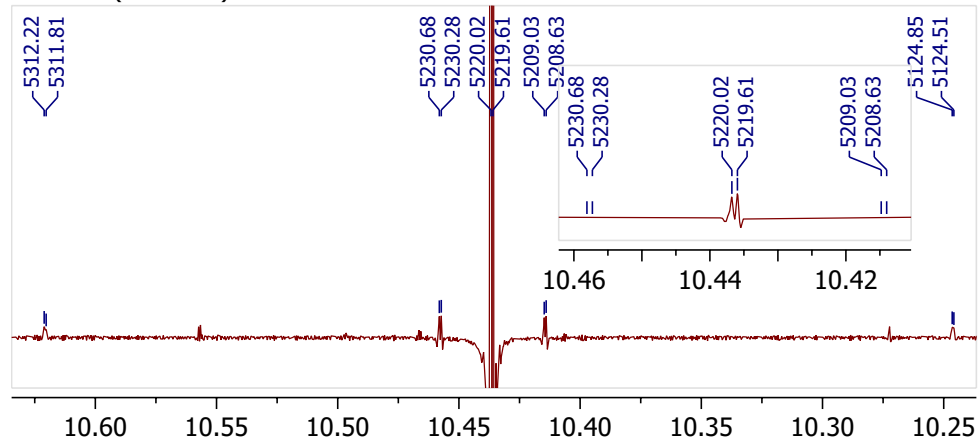
1. Ke všem atomům vodíku přiřpte chemický posun, multiplicitu a interakční konstanty jejich signálu v ^1H NMR spektru
2. Přiřpte k CF_3 skupině chemický posun, multiplicitu a interakční konstanty jejího signálu v ^{19}F NMR spektru
3. Ke všem atomům uhlíku přiřpte chemický posun, multiplicitu a interakční konstanty (s ^{19}F) jejich signálu v ^{13}C NMR spektru



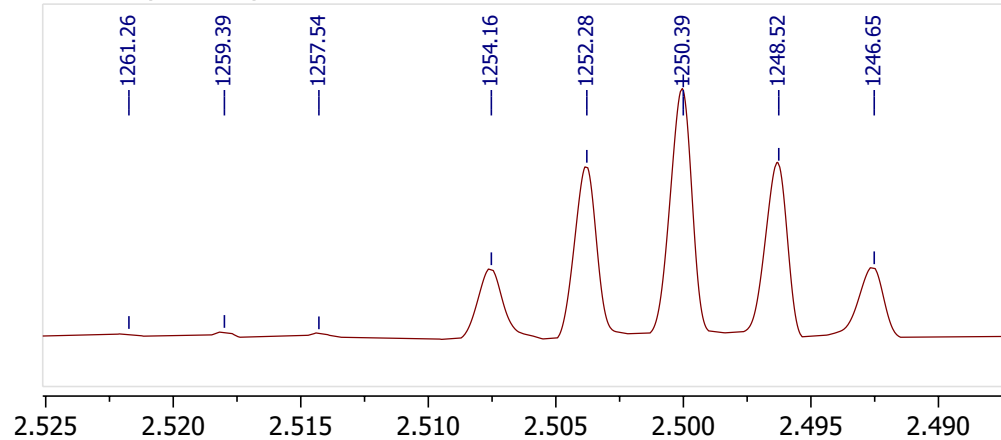
1H NMR (500 MHz)



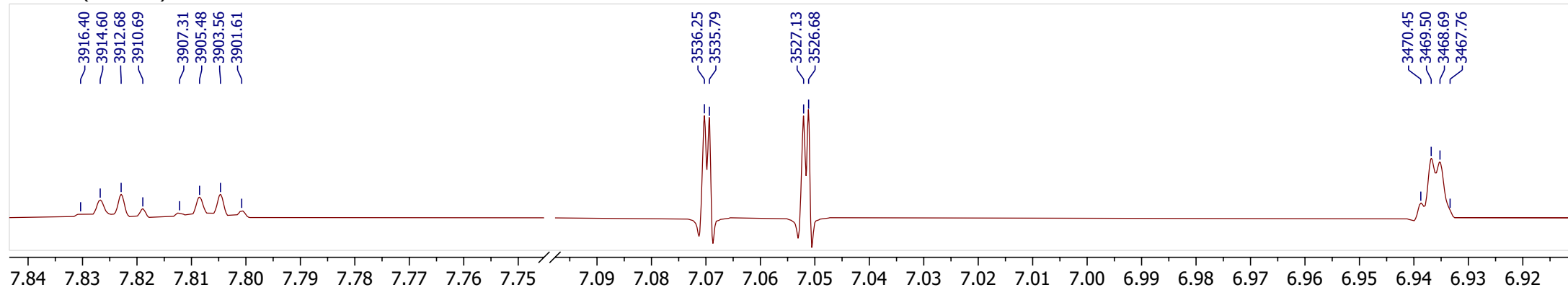
1H NMR (500 MHz)



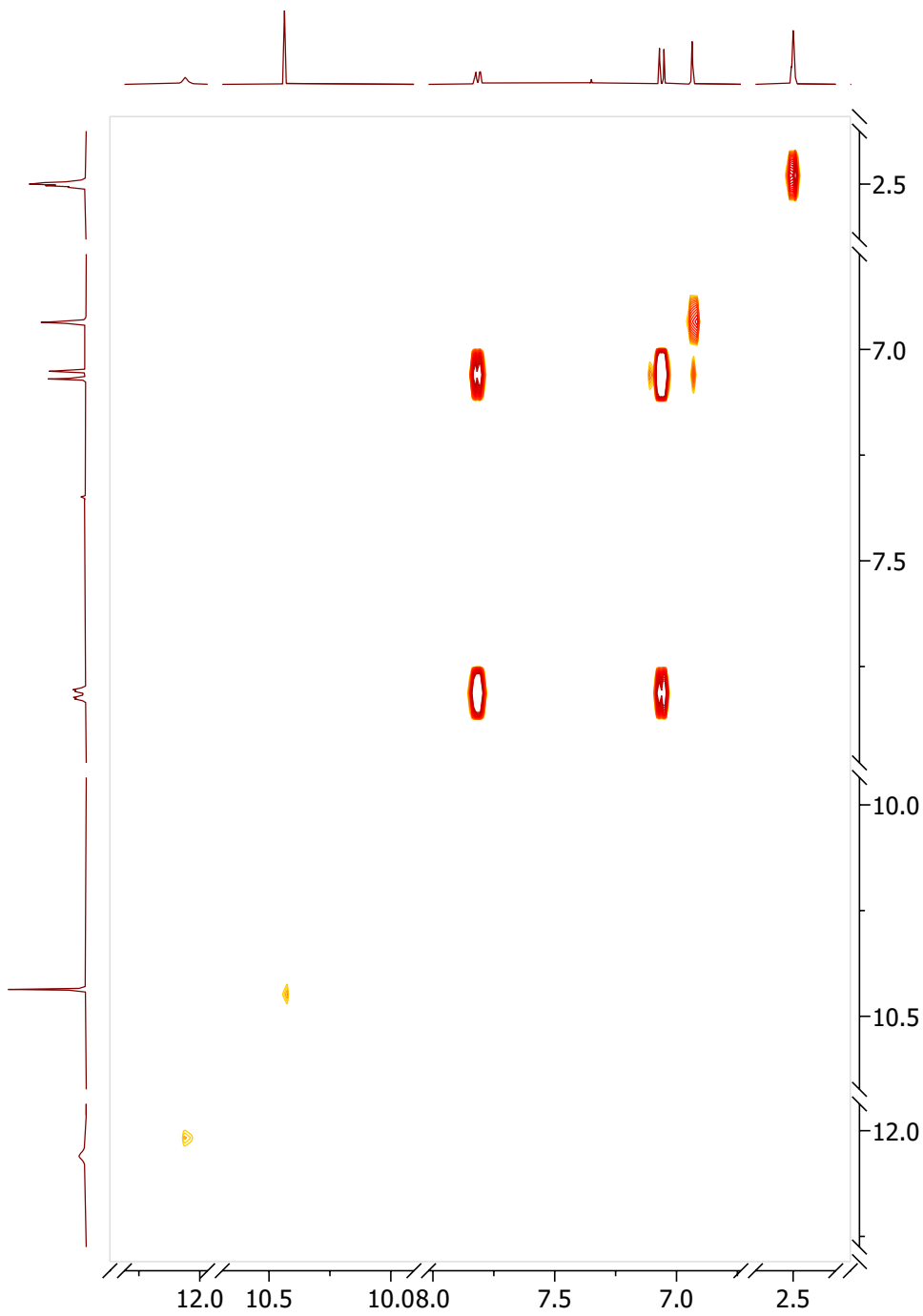
1H NMR (500 MHz)



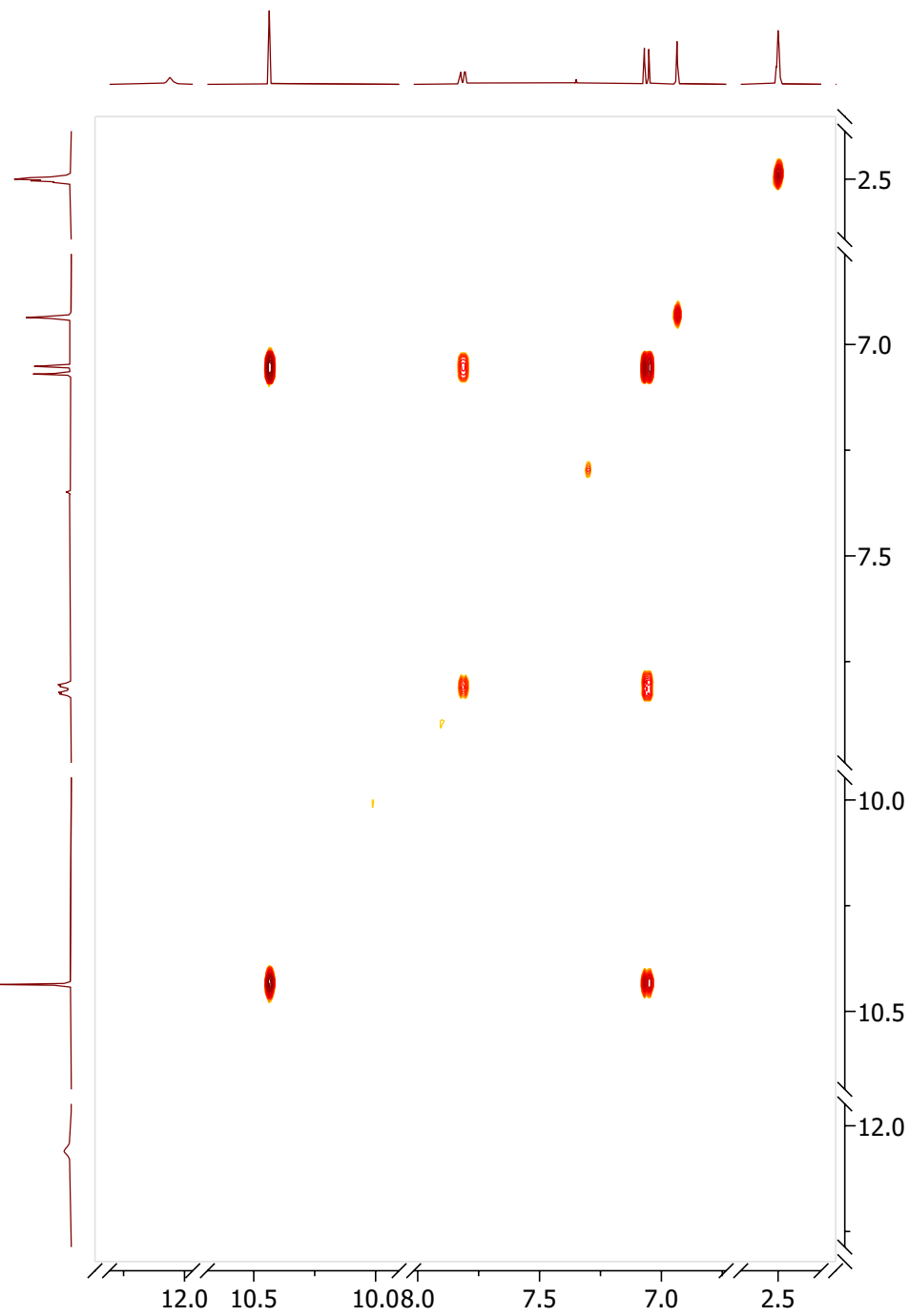
1H NMR (500 MHz)



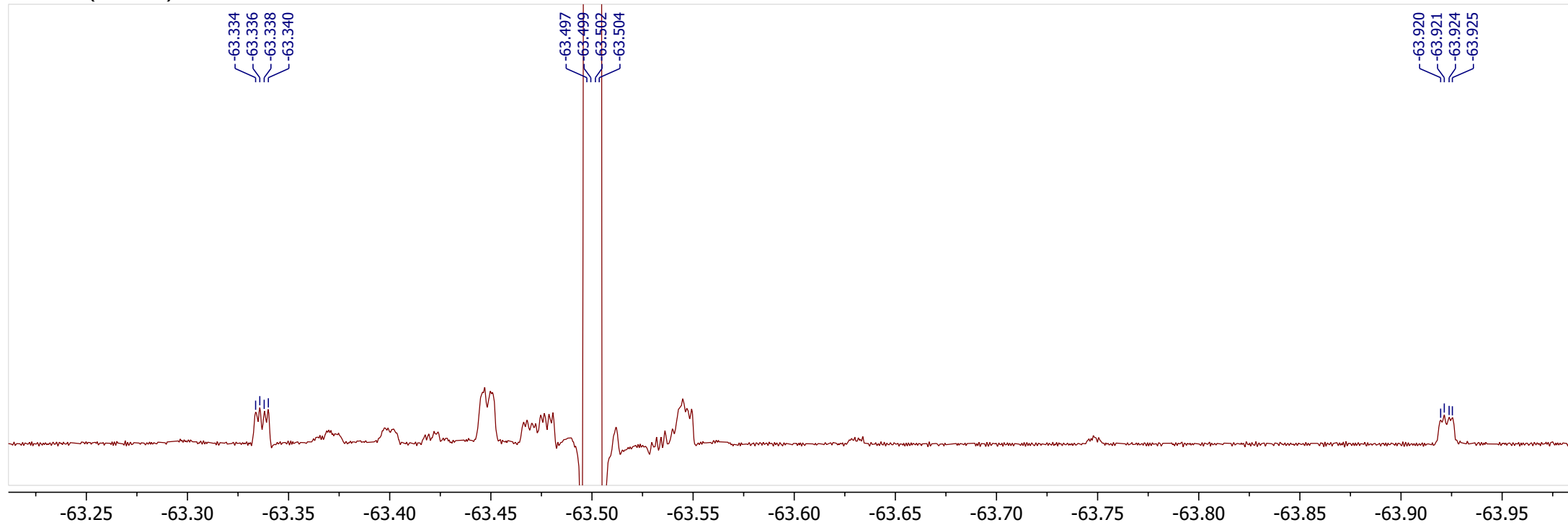
1H-1H COSY



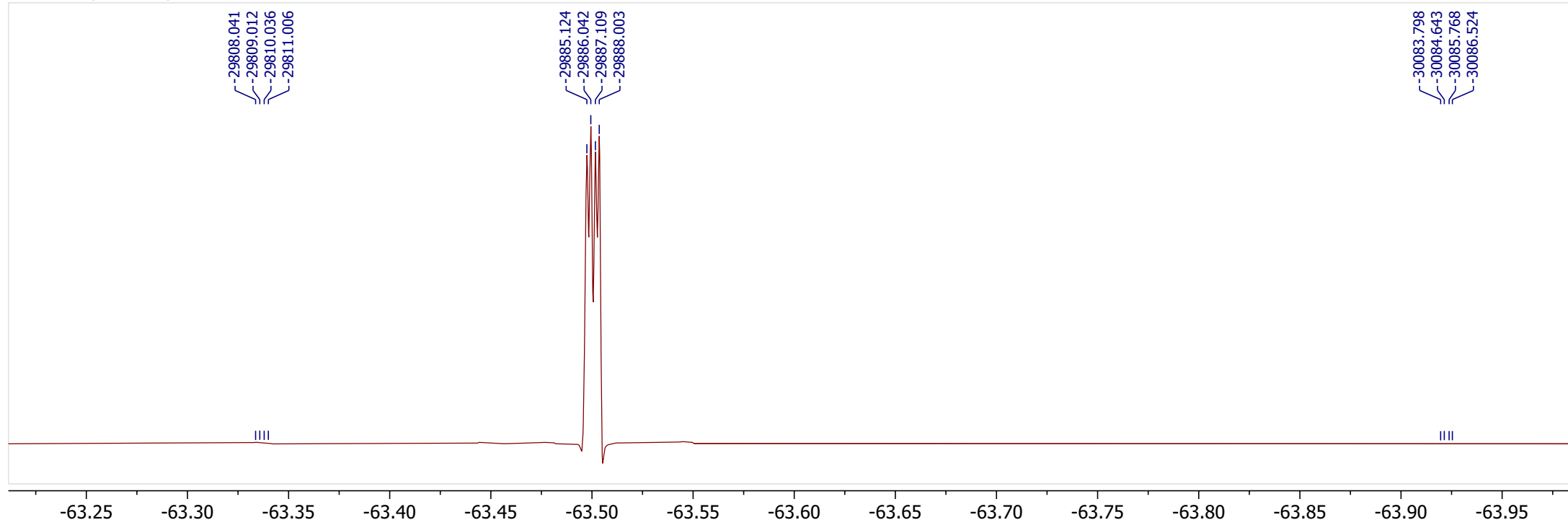
1H-1H LR-COSY (500 ms)



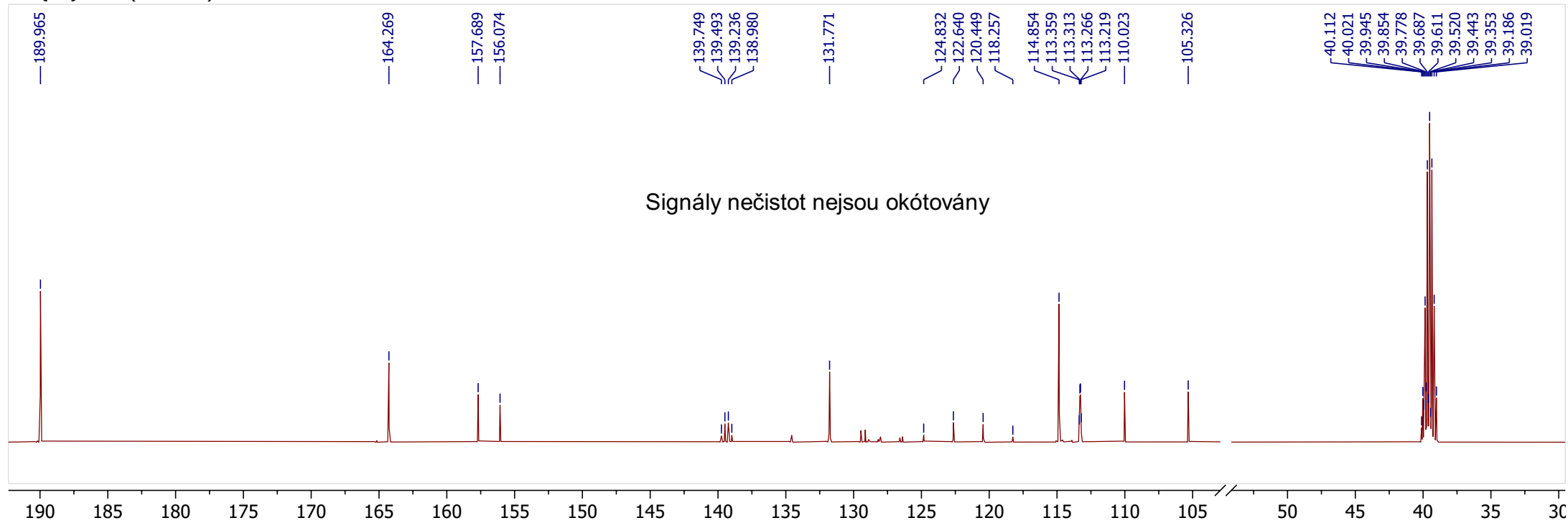
19F NMR (471 MHz)



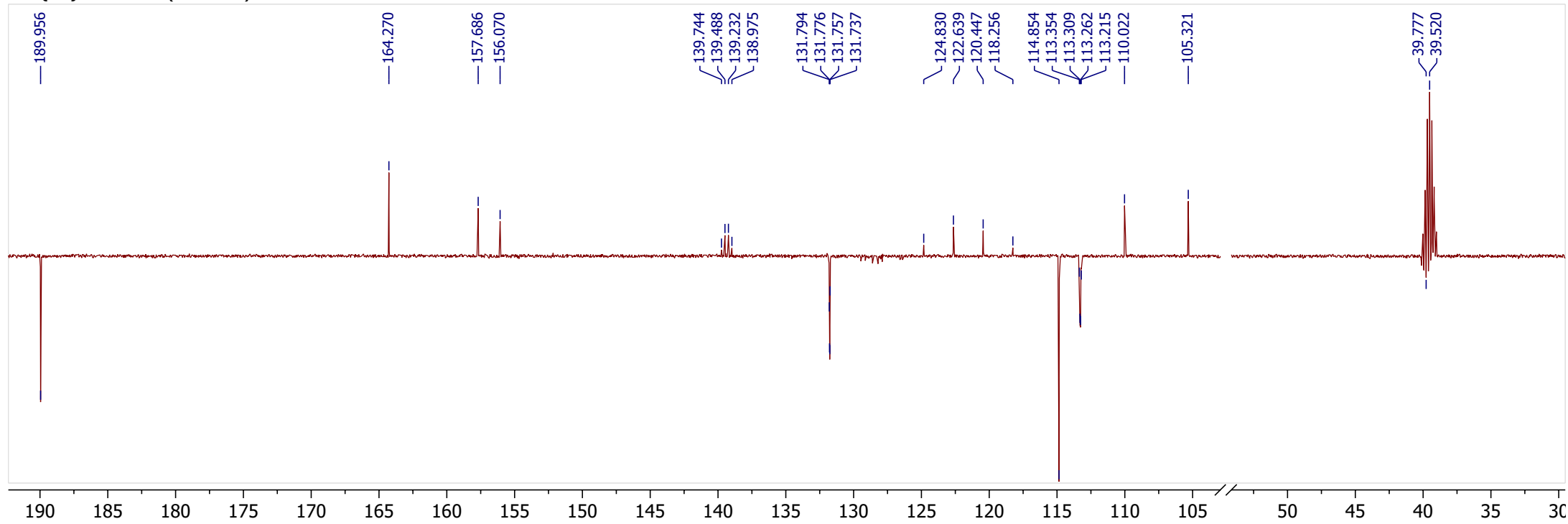
19F NMR (471 MHz)



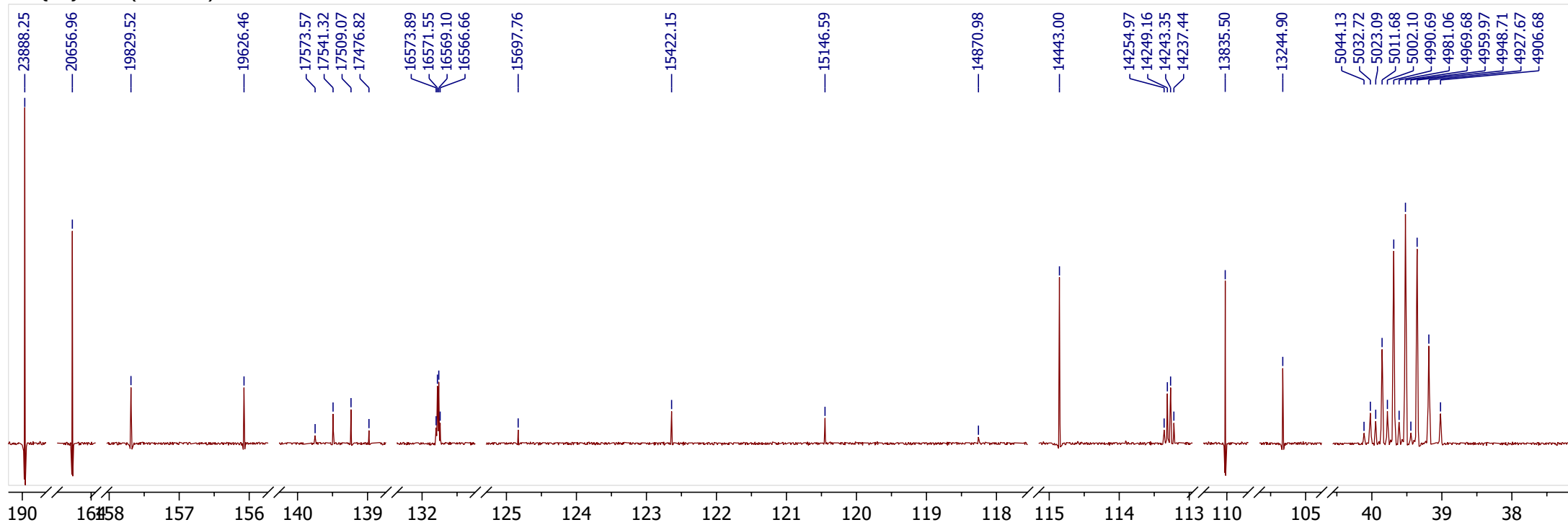
$^{13}\text{C}\{^1\text{H}\}$ NMR (126 MHz)



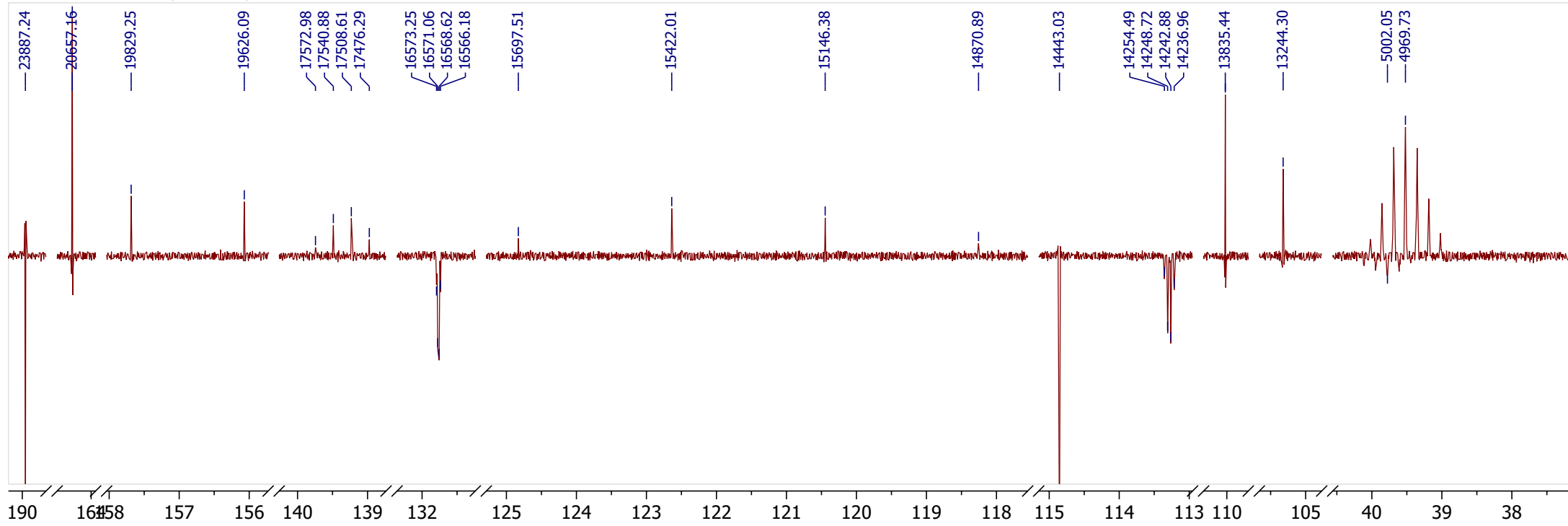
$^{13}\text{C}\{^1\text{H}\}$ APT NMR (126 MHz)



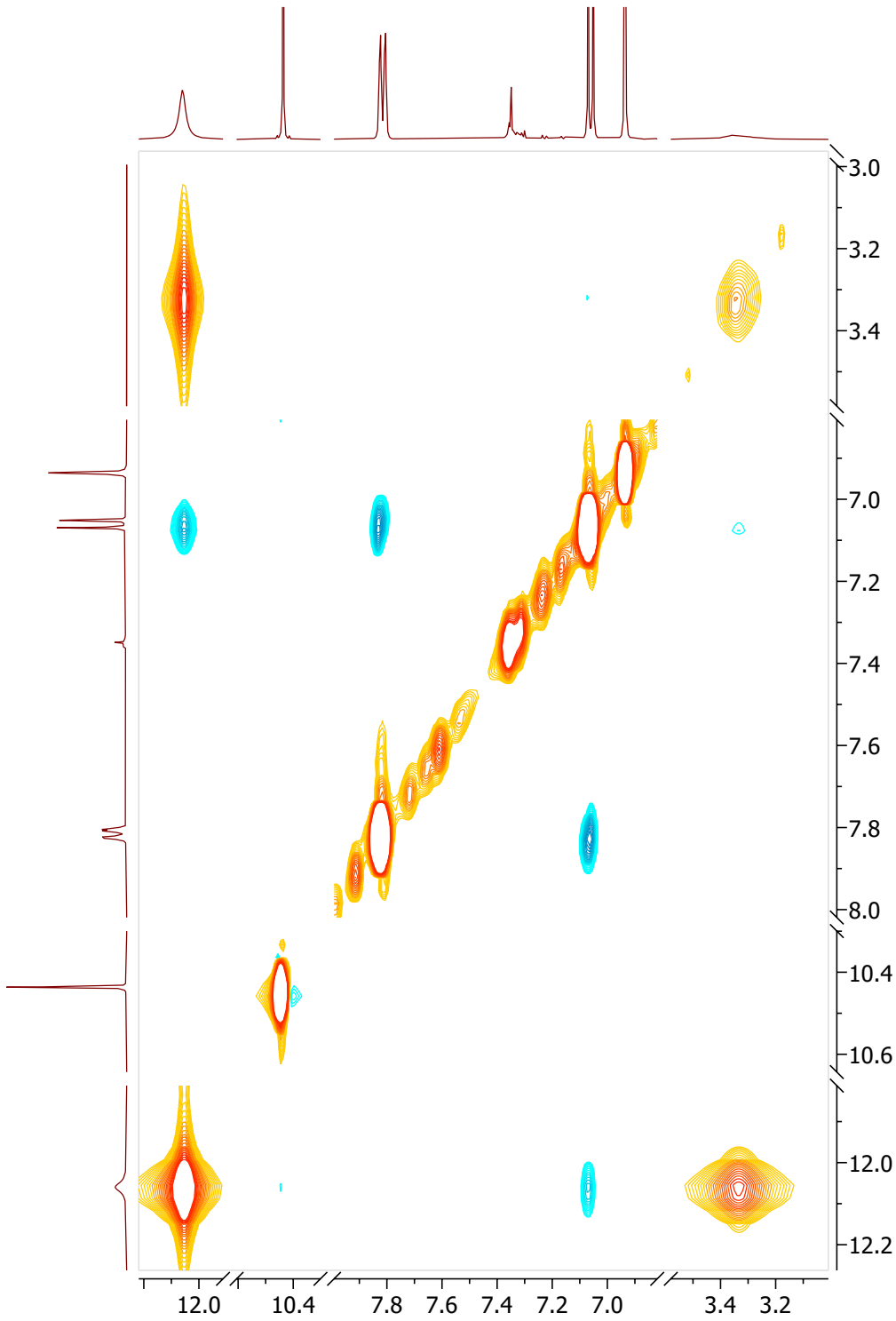
$^{13}\text{C}\{^1\text{H}\}$ NMR (126 MHz)



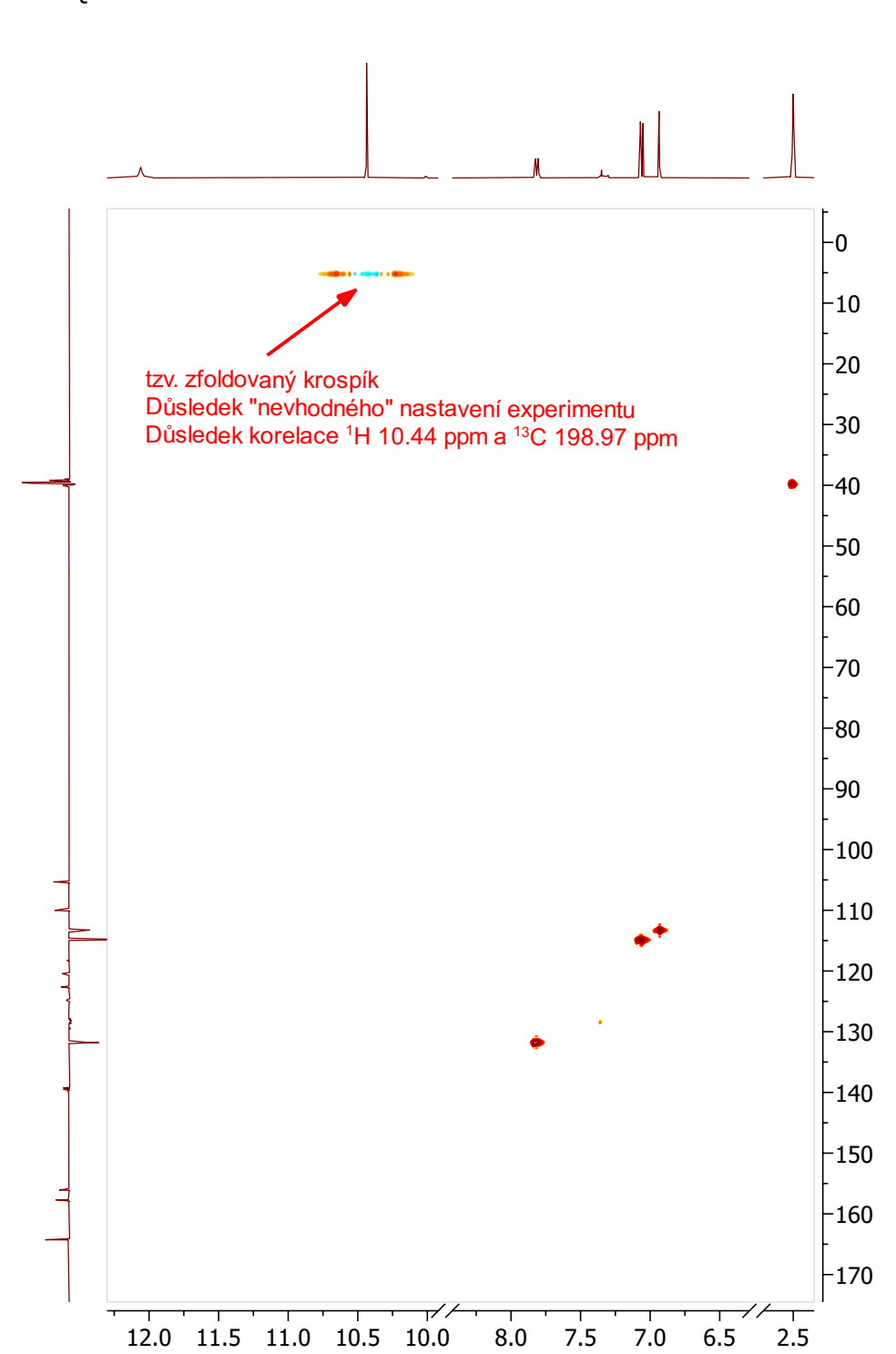
$^{13}\text{C}\{^1\text{H}\}$ APT NMR (126 MHz)



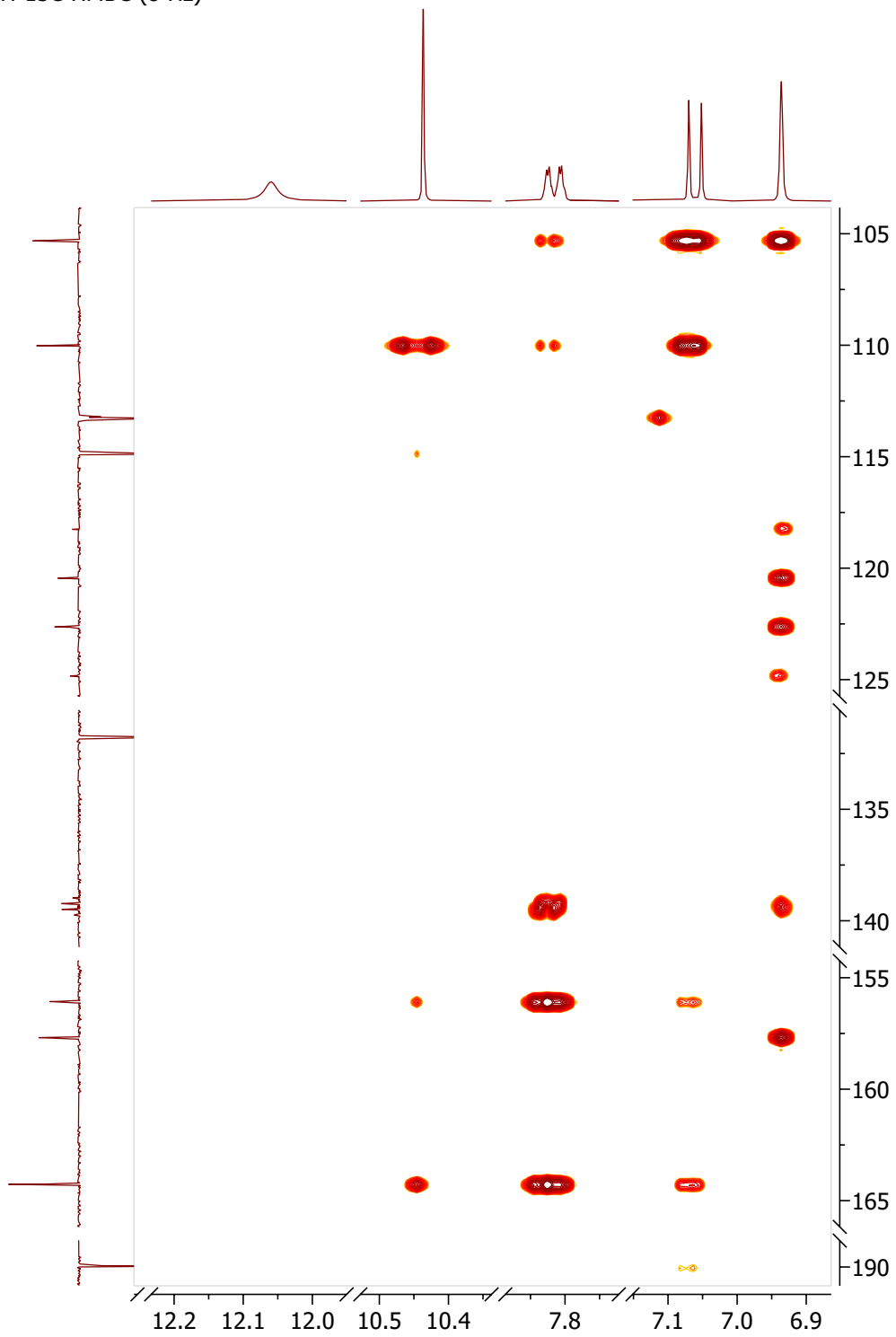
1H-1H NOESY



1H-13C HSQC



1H-13C HMBC (8 Hz)



1H-13C LR-HSQMBC (2 Hz)

