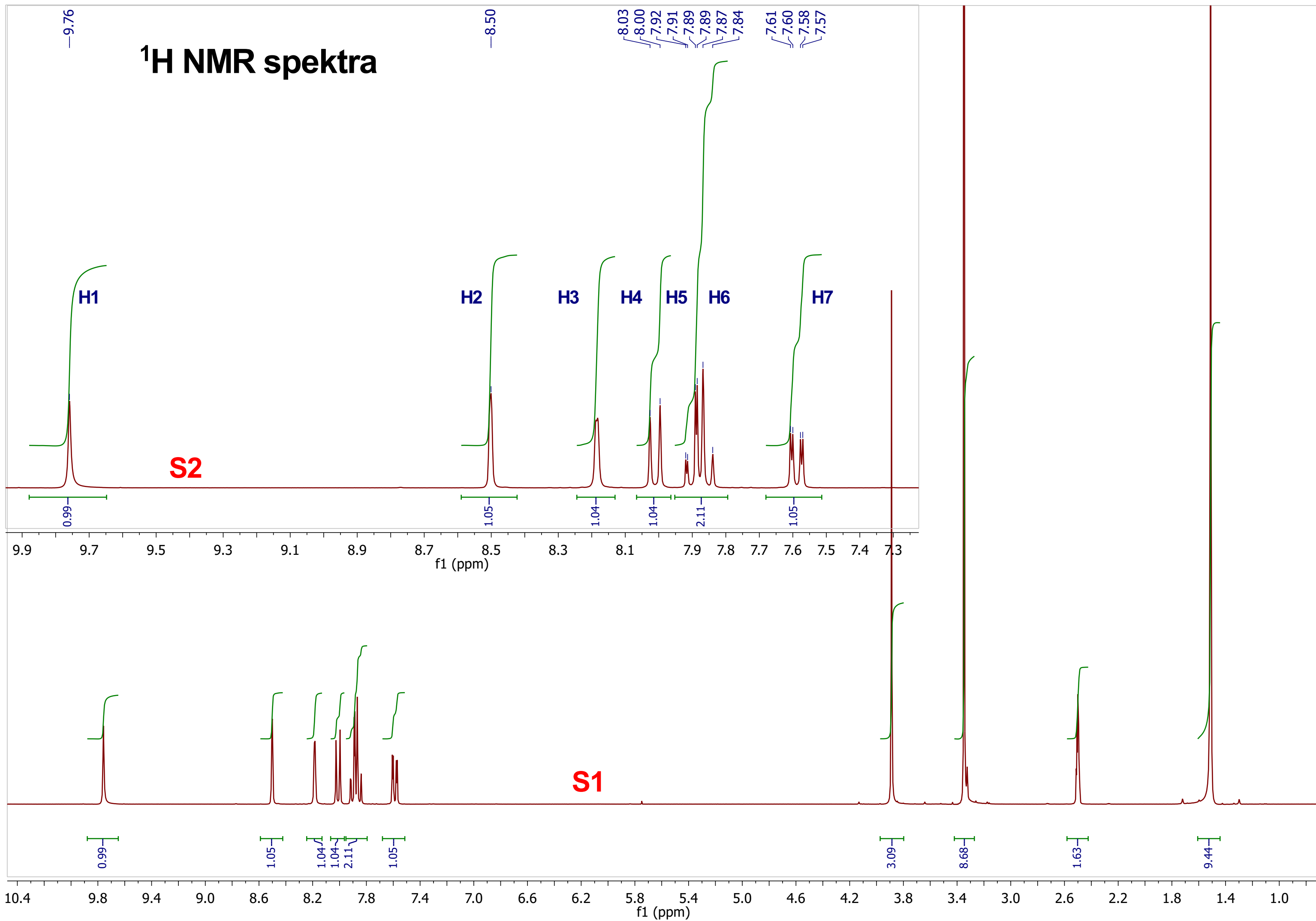


Jméno a příjmení: _____ Fakulta: _____ Studijní kruh: _____ Datum: _____

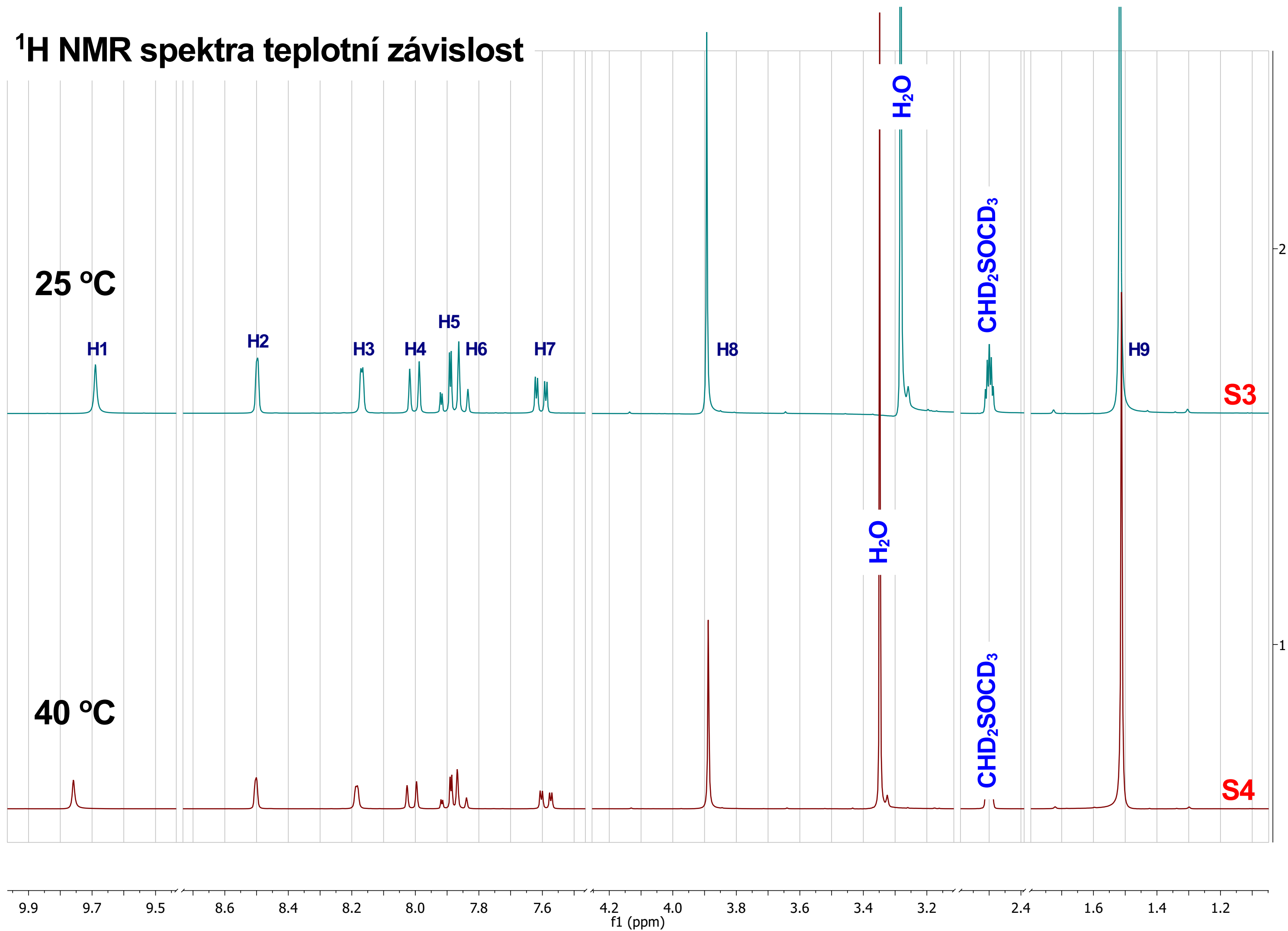
1. Vypočítejte stupeň nenasycenosti naftalenového derivátu sumárního vzorce $C_{17}H_{19}NO_4$ (předpokládejte trojvaznost dusíku). DBE = _____
2. Odvodte strukturu neznámé látky a odevzdejte.

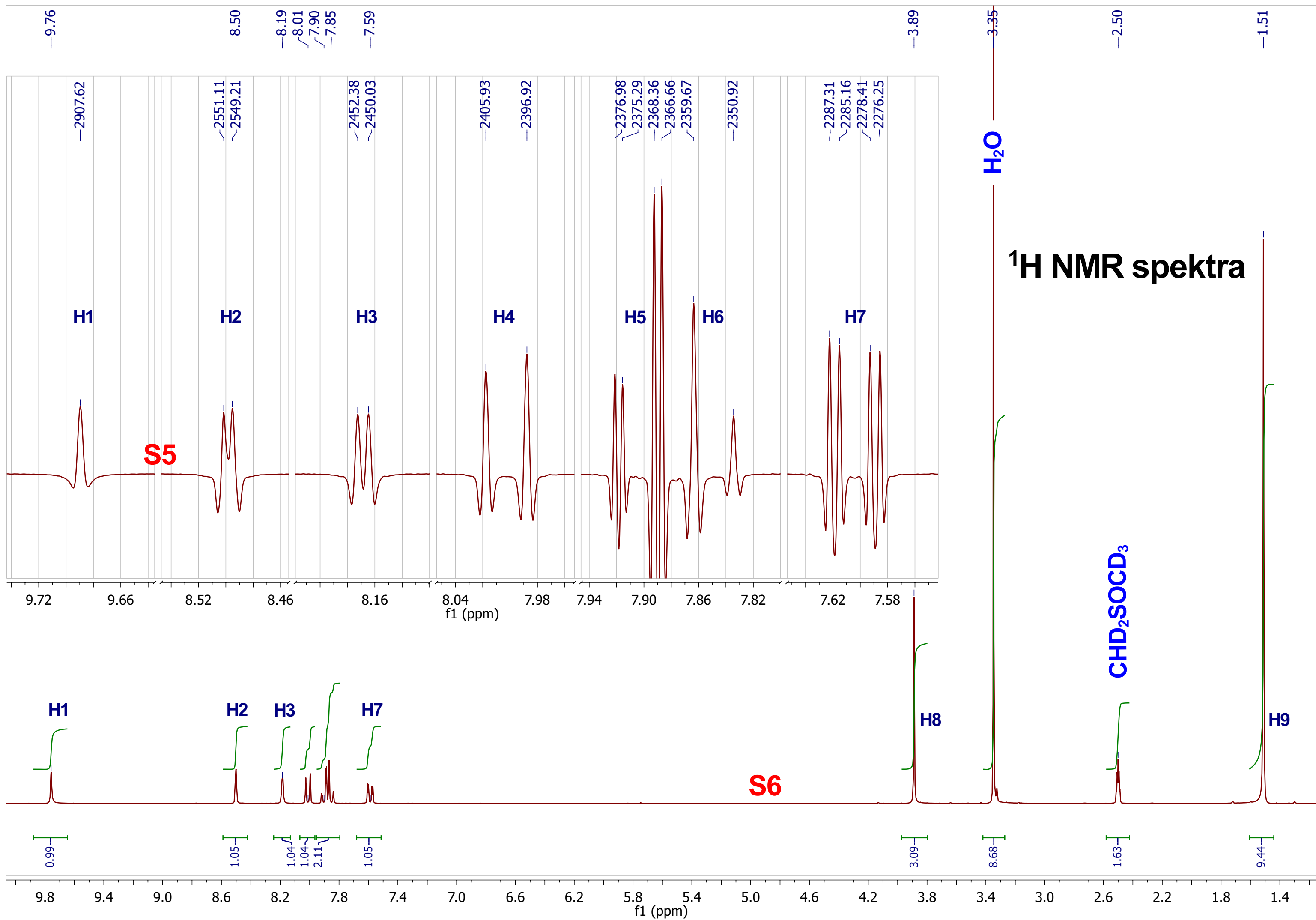
3. Přiřadte jednotlivé signály atomům v molekule.

¹H NMR spektra



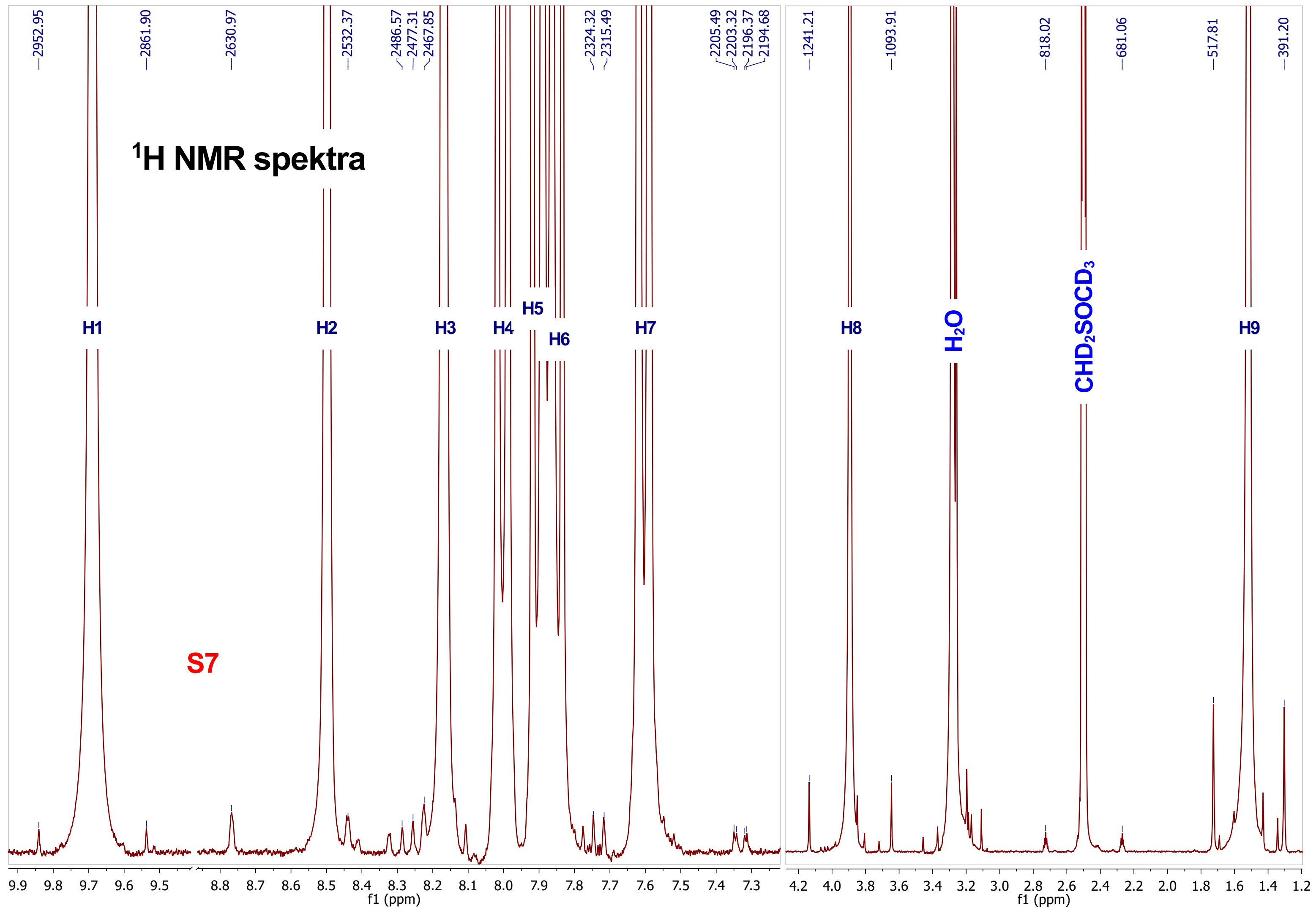
^1H NMR spektra teplotní závislost



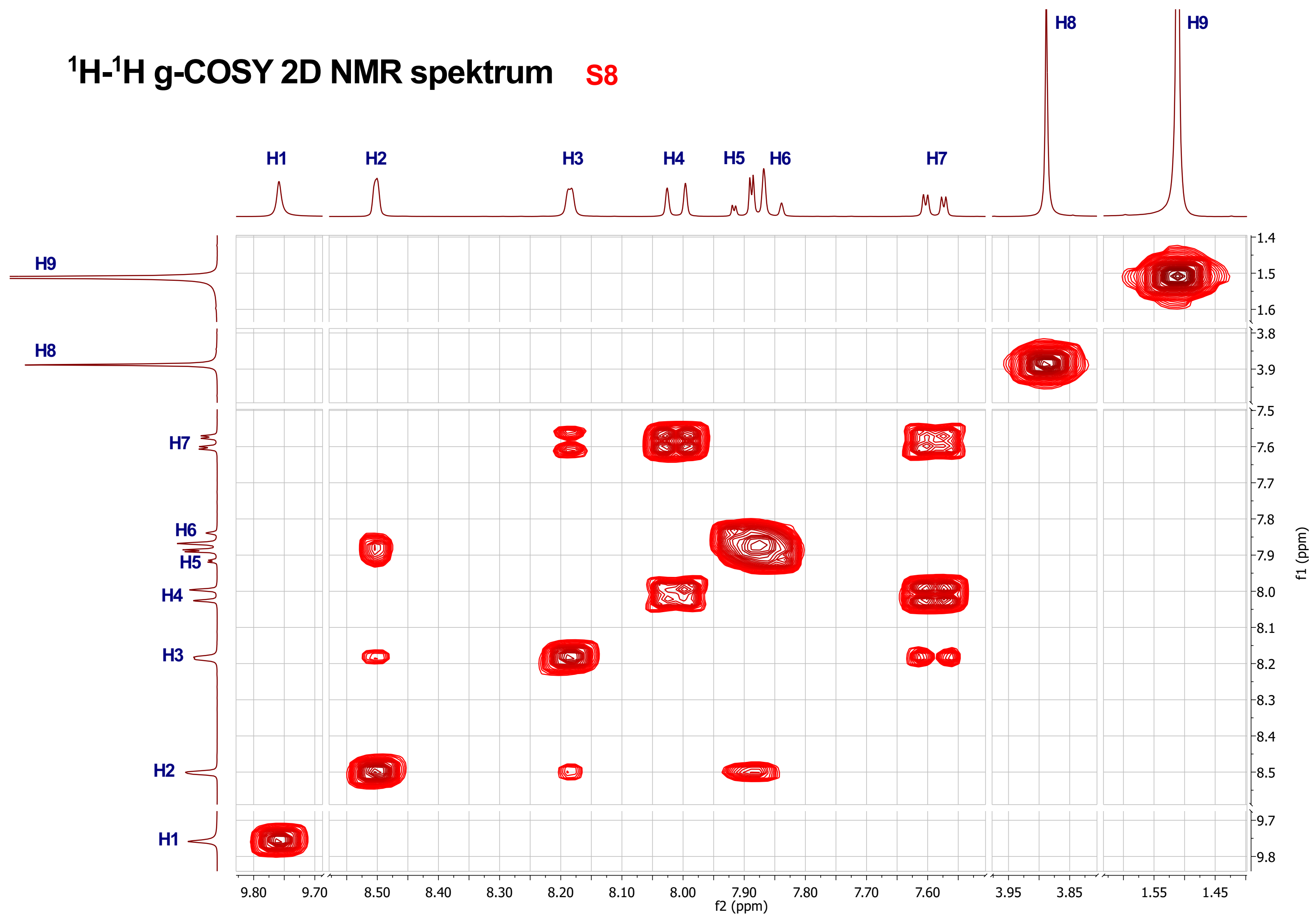


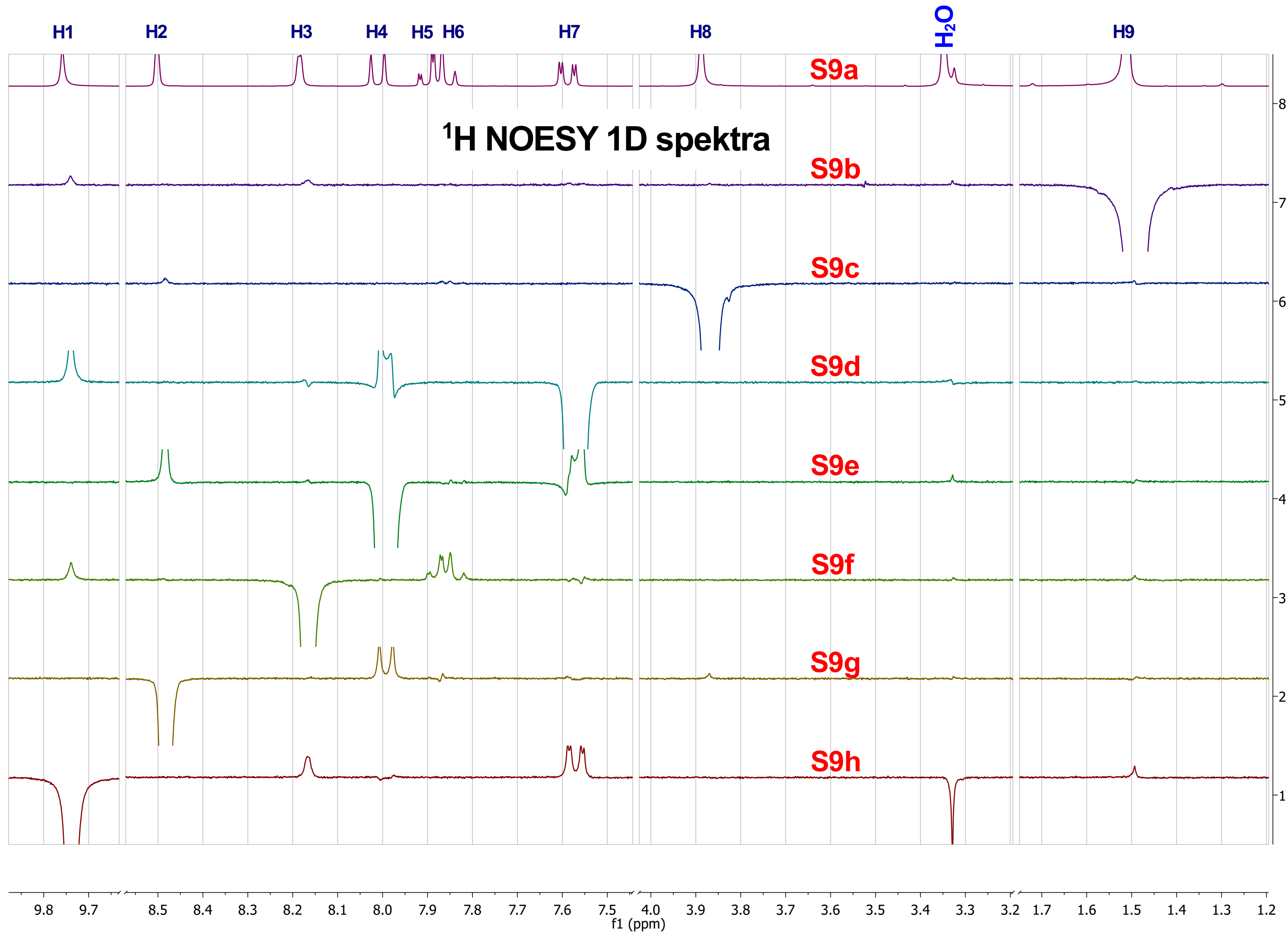
¹H NMR spektra

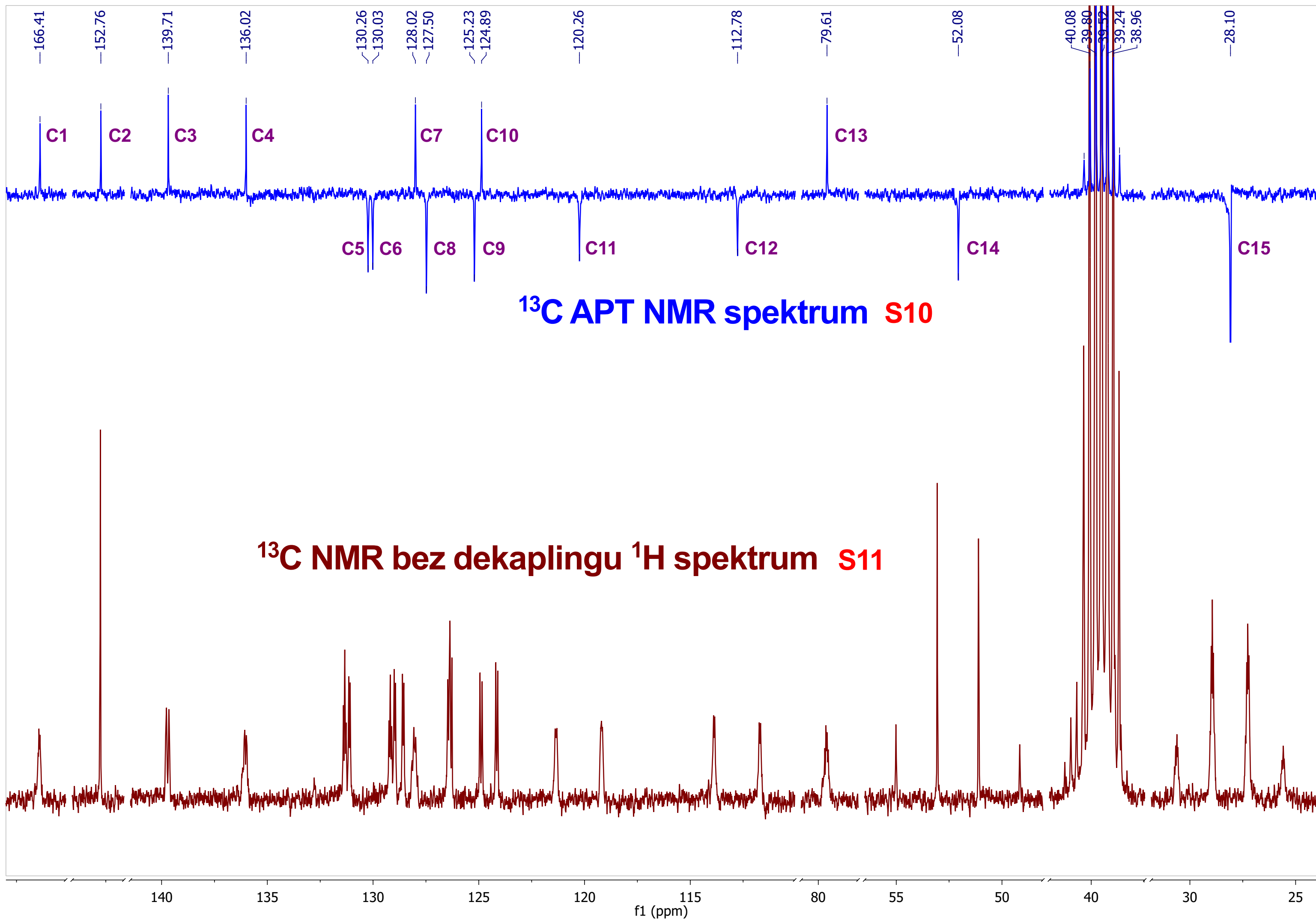
S7

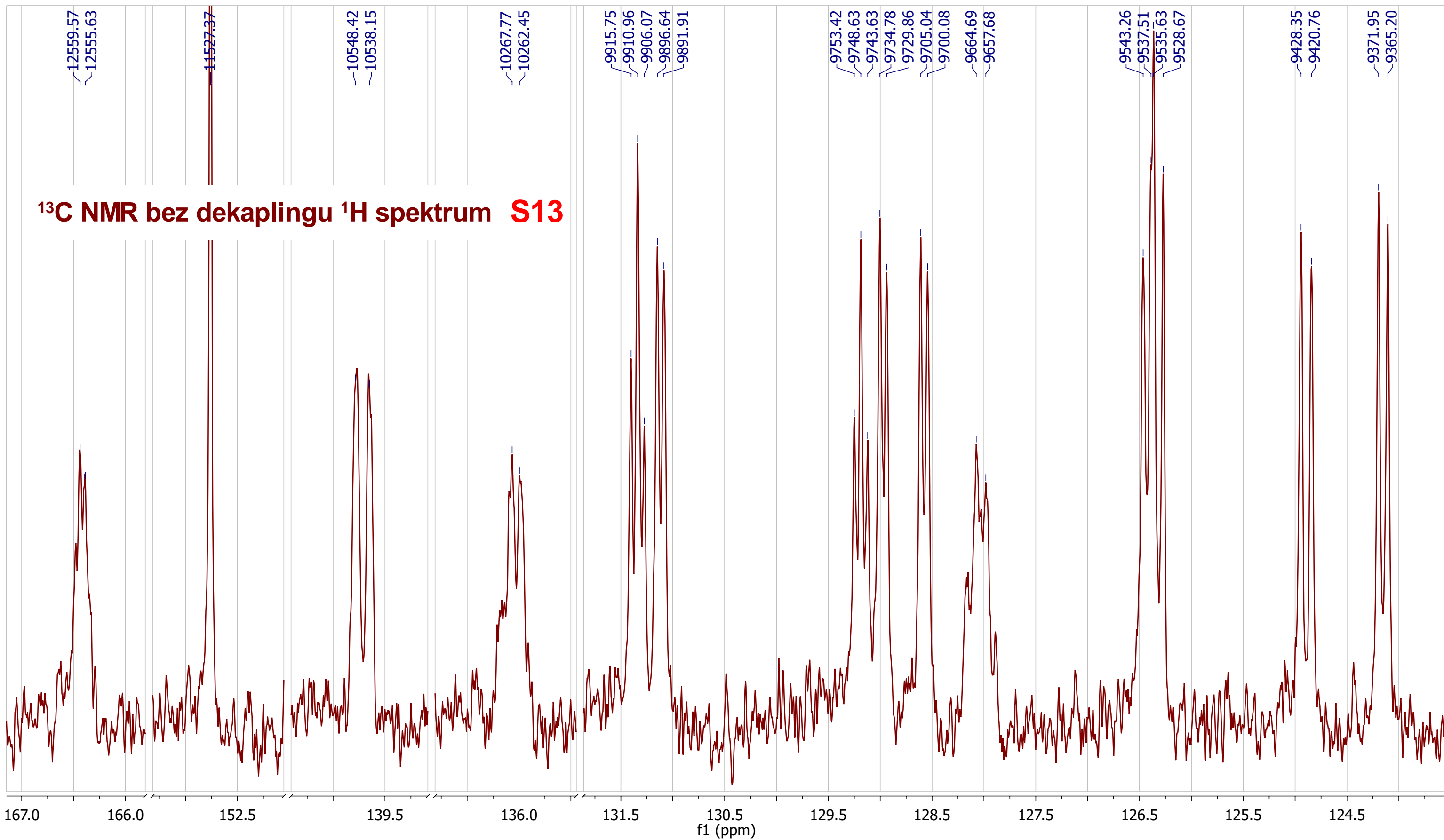
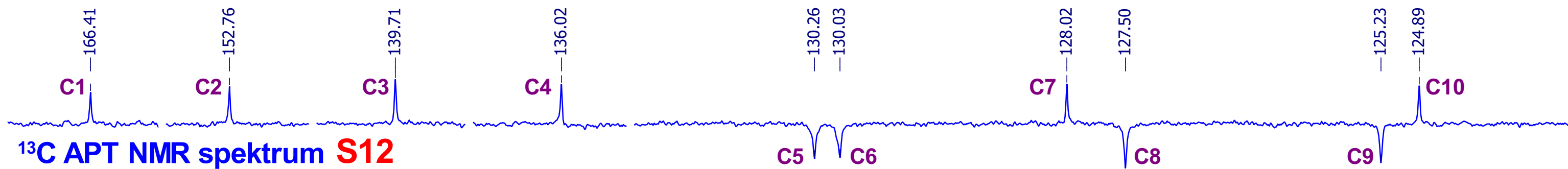


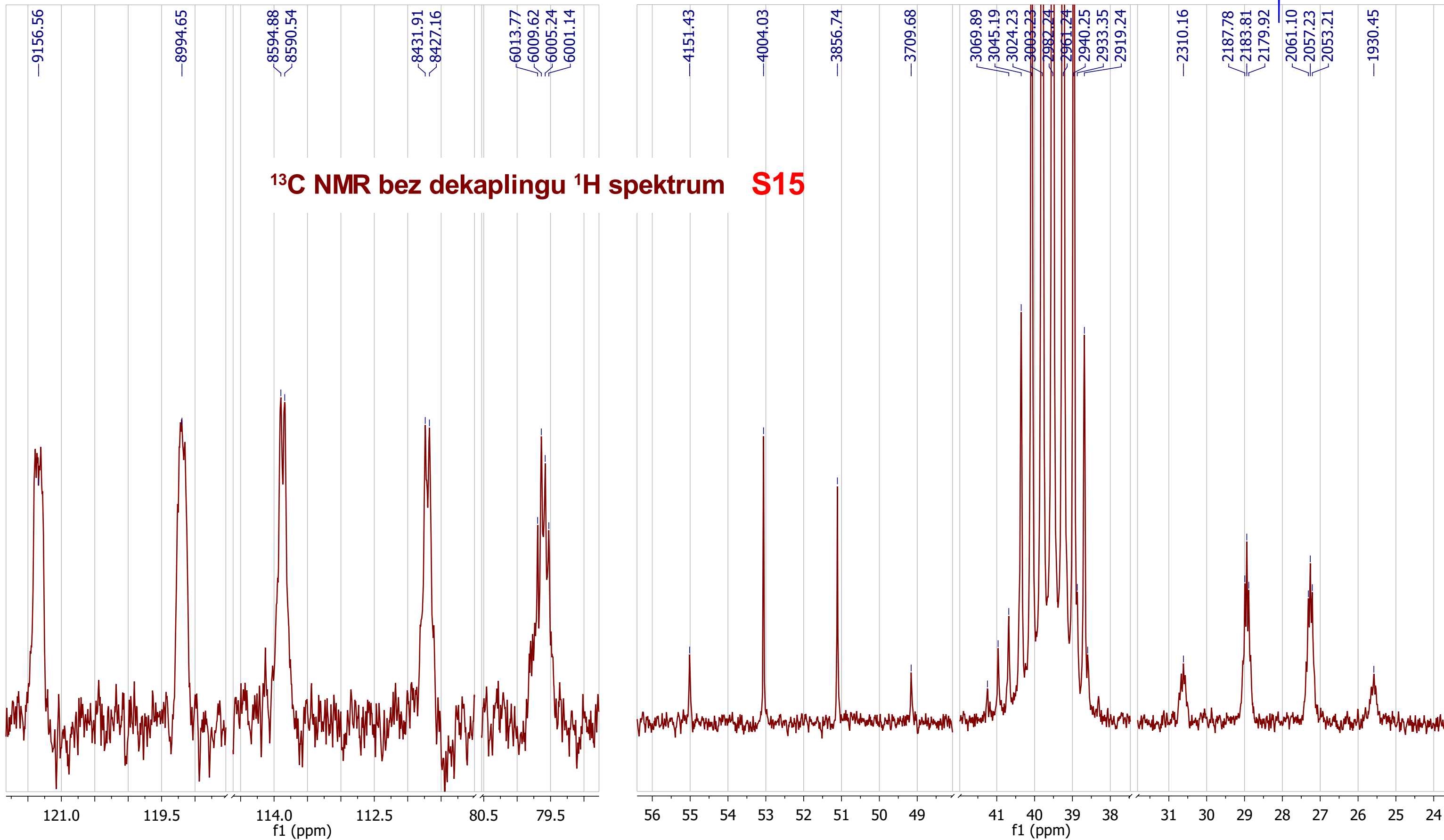
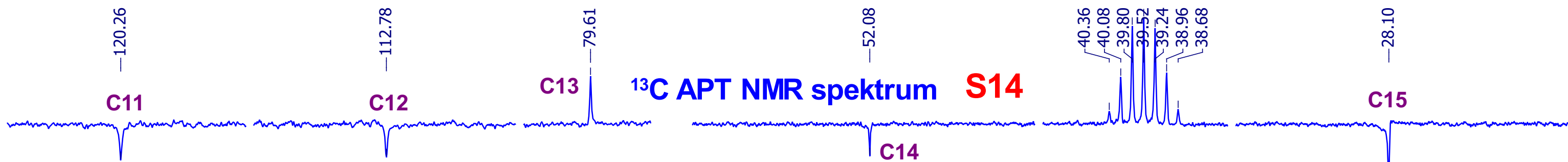
^1H - ^1H g-COSY 2D NMR spektrum **S8**



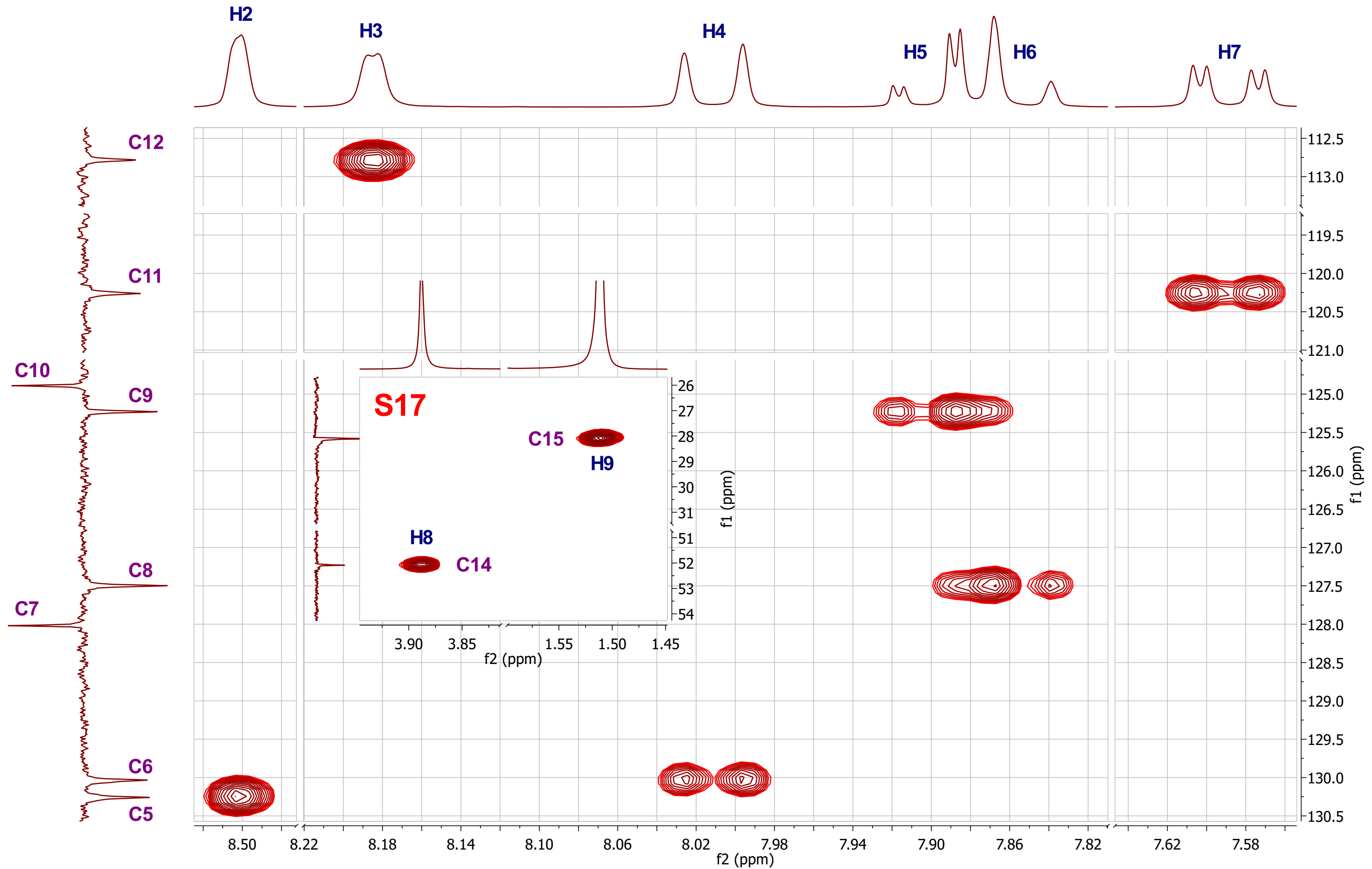




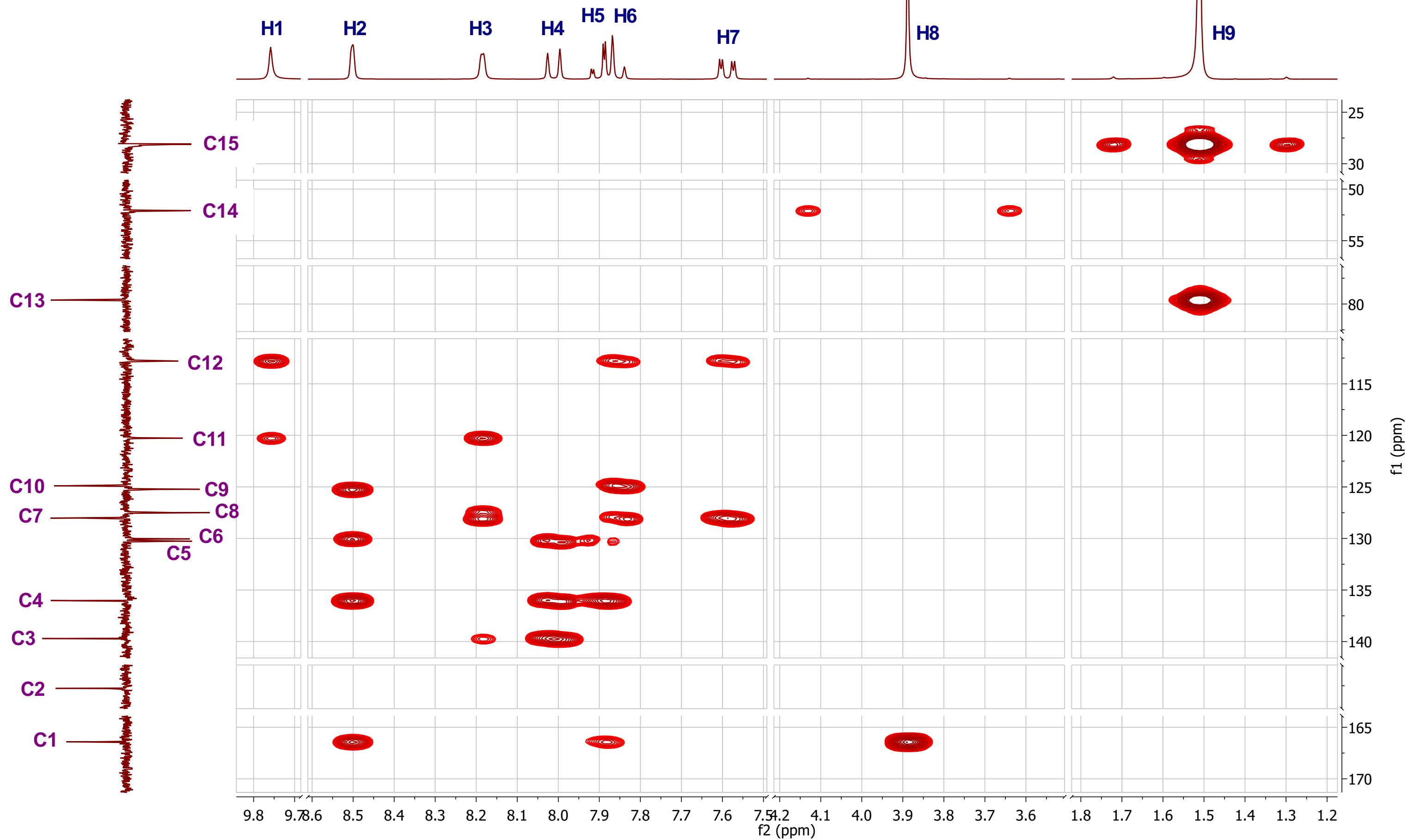




^1H - ^{13}C g-HSQC 2D NMR spektrum **S16**



^1H - ^{13}C g-HMBC 2D NMR spektrum **S18**



^1H - ^{13}C g-HMBC 2D NMR spektrum S19

