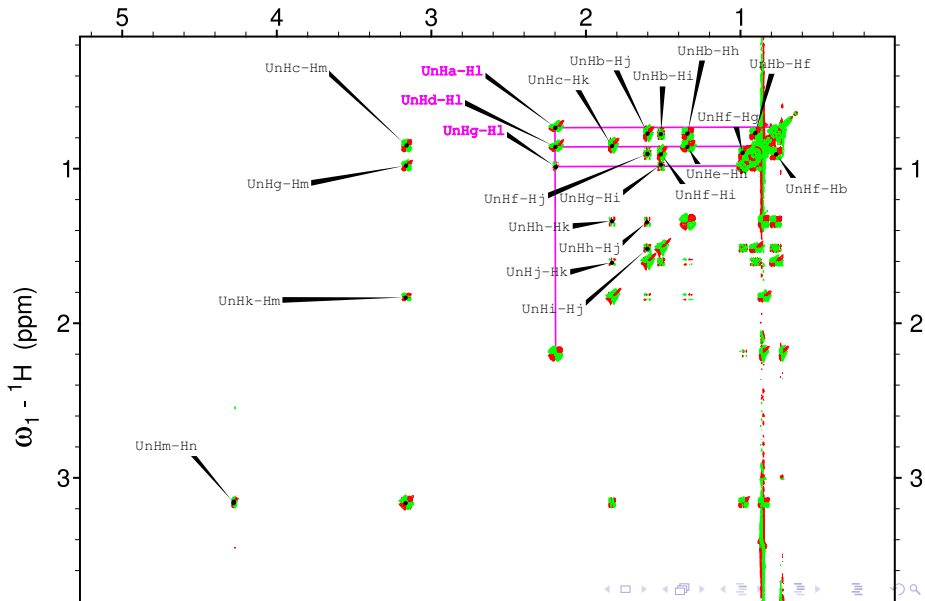


General comments

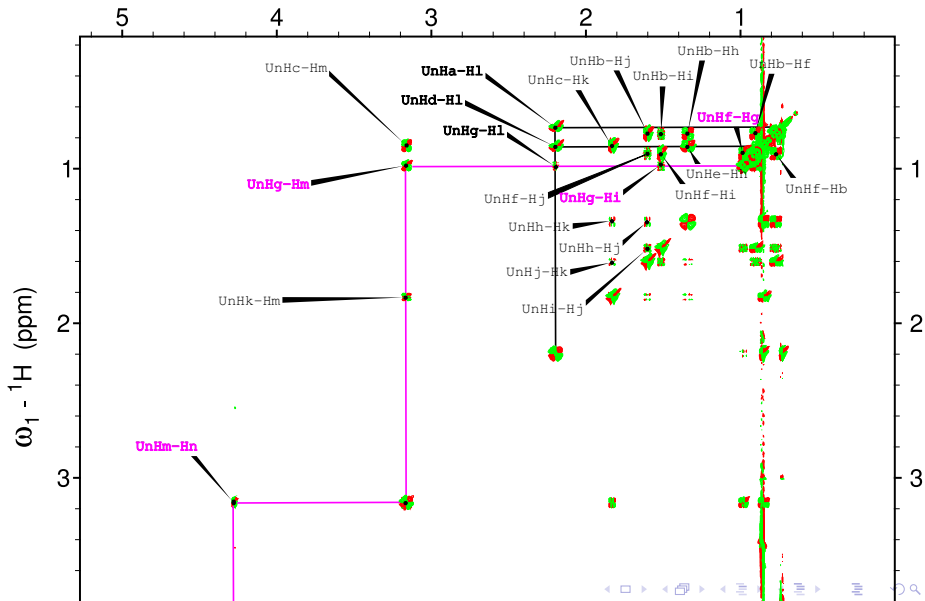
- inspect molecular formula $C_mH_hO_oN_nX_x$:
Degree of unsaturation $m + 1 - 0.5(h + x - n)$
- identify signals of CH_3 and exchangeable protons in 1D 1H spectrum
- arbitrary numbering (e.g., from lower to higher value of chemical shift) of resolved resonances in all spectra
- identification of the individual spin systems using DQF-COSY
- resolve geminal protons using HSQC
- connect molecular fragments/isolated spins using HMBC, NOESY
- specify the stereochemistry (relative configuration) by means of J - and NOE interaction

- in 1D spectrum bottom blue numbers are integrals, labels in violet frames contains the arbitrary label (A-N), multiplet specification (use with caution, automatically determined), and position of a signal in ppm
- UnHa-UnHb in 2D refers to correlation of protons a and b of unknown compound Un

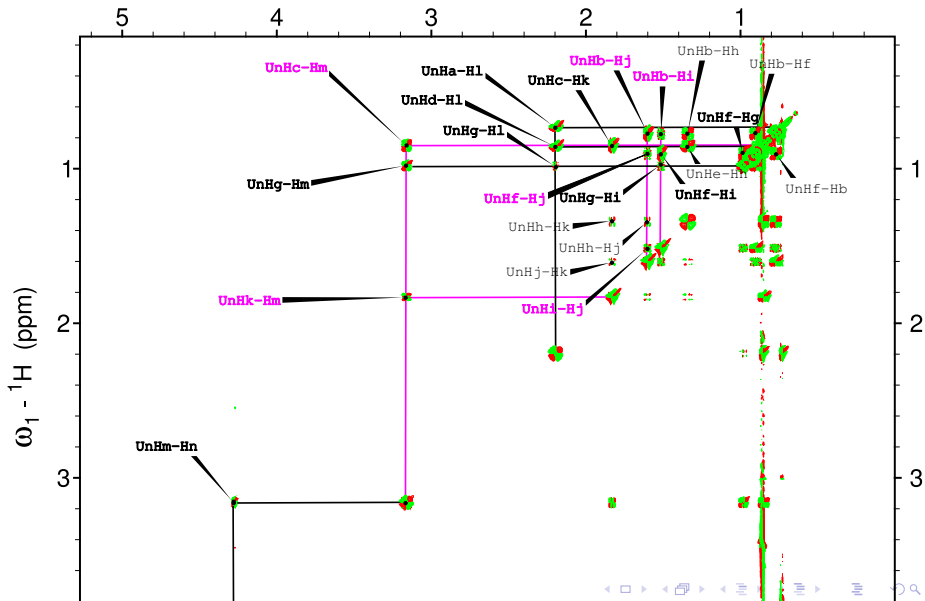
Task 1: J -connectivity of $C_{10}H_{20}O$



Task 1: J -connectivity of $C_{10}H_{20}O$



Task 1: J -connectivity of $C_{10}H_{20}O$



Task 1: J -connectivity of $C_{10}H_{20}O$

