Jan 24, 2023

13C-dept NMR at AV600

Procedure:
Open Topspin 3.6.5

run H-1 NMR prior to C-13 NMR (Ah1)
run C-13 DEPT NMR
A. Preparation and Acquire,

1. **rerun** H-1 NMR
2. create four datasets: name; exp #; pro #; solvent; directory (D:\Chem471\user last name\yrmo)
3. (**rpar Ac13*)** for each dataset (select Ac13_dept135; Ac13_dept90; Ac13_dept45)
4. no eject sample/no insert sample
5. no lock
6. tune (**atma**) in any dataset
7. no spinning
8. no shim
9. for each dataset:
   - prosol (**getprosol**)
   - gain (**rga**)
   - check: (**ns**) (1k), (**ds**), (**d1**)
10. (**multizg**); type (**3**)

B. Process and Finish,

11. for each dataset
    - check spectrum: (**tr;efp;apk**); if the spectrum is enough, type (**halt;efp;apk**)
    - or wait until experiments finish, type (**efp;apk**)
    - adjust phase if necessary
    - calibrate spectrum
    - pick peaks
12. eject sample (**ej**) or (**sx #2**) ; take sample
13. close topspin
14. log off