

Průběh obhajoby diplomové práce:

¹⁵N labeling and NMR Spectroscopy in side reactions

- 1/ Why ¹⁵N labeling in NMR techniques?
 - ¹⁵N is a spin 1/2 nucleus, low natural abundance;
 - high specificity
- 2/ Enrichment in the sample, kinetic isotope effect, equilibrium isotope effect
- 3/ Nuclear Overhauser effect: dipole-dipole interaction of NOE enhancement effect special case nuclei
 Inverse gated decoupling
 Challenge: direction of the chemical shift axis; ...

NMR study - she analyzed a mixture of 3 components of small molecules; Formulation of hypothesis

Discussion: ¹⁵N enrichment by use of Ion-exchange chromatography
 Prof. Himmelbach

Body:
 Klasifikace:
 Celková klasifikace:
 Datum obhajoby:

.....
 podpis předsedy

Hodnocení ústních zkoušek: