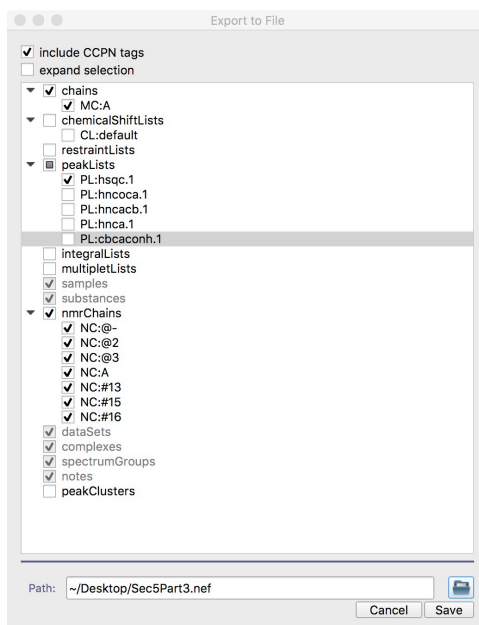# CCPN

CcpNmr Analysis Version 3

How To's:

Use NEF to
import and export CcpNmr data

Introduction

This How-To will guide through a simple action of using the NMR Exchange Format, NEF, to import and export data from one CcpNmr project to another. This is only a practical example and not the main purpose of NEF, for documentation and other usages please visit:

https://github.com/NMRExchangeFormat/NEF.

In this tutorial you will export the hsqc peak list contained in the project Sec5part3 and import in Sec5Part1 just using a NEF file.

You can use this mechanism to import/export any data from/to any CcpNmr projects, however, use this with extremely caution in order to avoid name clashes or unwanted merging which could cause a data loss.
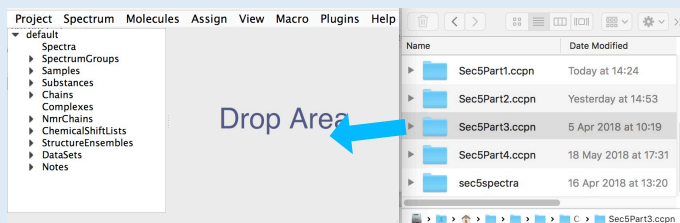
Start CcpNmr Analysis V3

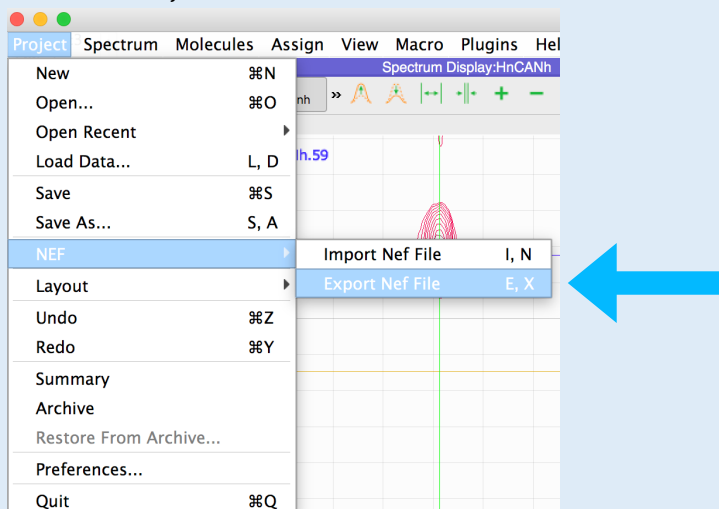Apple users by double clicking the icon *CcpNmrAnalysis*

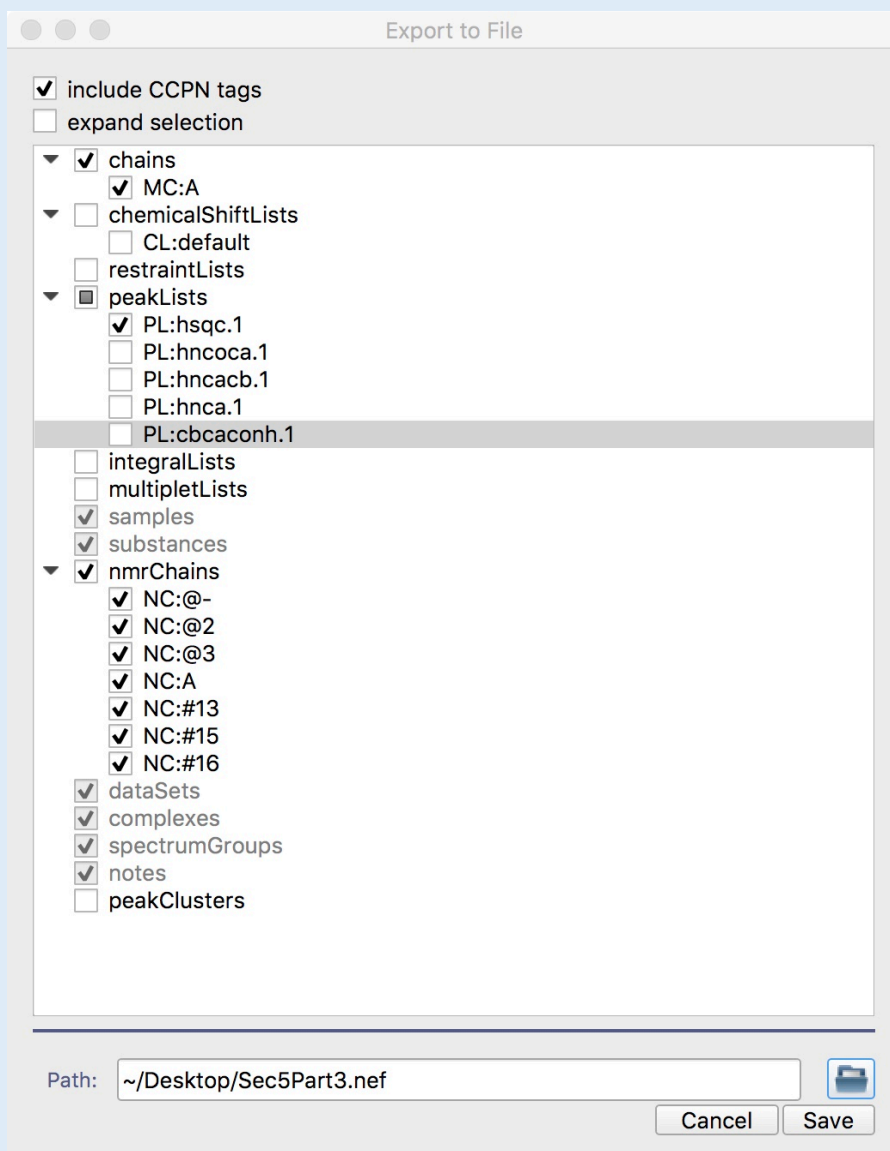Linux users by using the terminal command: *bin/assign*

Open Sec5Part3

shortcut E,X

1_A **Open the project containing the peak list you need to export**

- Open the project Sec5Part3
- Open the NEF export popup:
  Main Menu: Project → NEF → Export Nef File (shortcut E,X)
- The exporter window will appear, expand all branches

1B **Select exporting options**

Select:
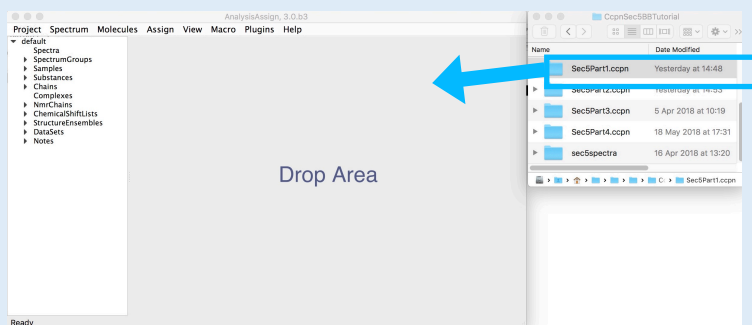- chains: MC:A
- peakLists: PL:hsqc.1
- nmrChains: all options

Deselect:
- ChemicalShiftLists, restraintList, integralLists, multipletLists, peakClusters

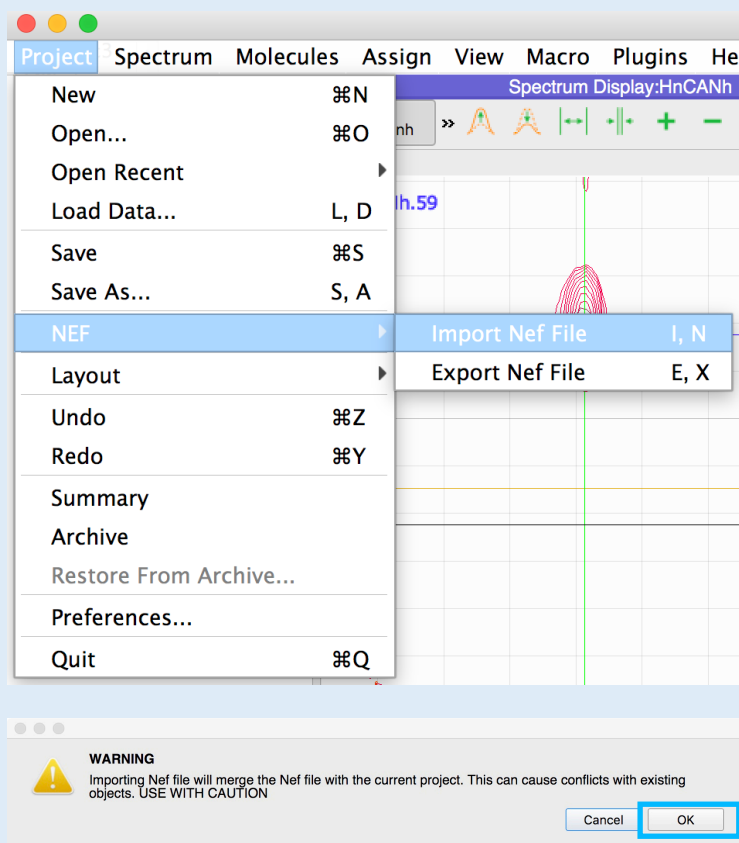- Click on the folder icon, select a path where to save the Nef.
- Click Save

Run a new CcpNmr Analysis instance

Open Sec5Part1

shortcut I,N

1c **Import on a target project: Sec5Part1**

- Run a new CcpNmr Analysis instance
- Open the project Sec5Part1
- Open the NEF import popup:
  Main Menu: Project → NEF → Import Nef File (shortcut I,N)
- Press Ok on the Warning popup
- A new File Dialog will appear, select the previously saved NEF file
- click ok to continue

The new peak list and other objects will be merged to your existing project.

Contact Us

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Suggestions and comments:
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Issues and bug report:
https://bitbucket.org/ccpnmr/issue-tracker/

Cite Us

Skinner, S. P. *et al.* CcpNmr AnalysisAssign: a flexible platform for integrated NMR analysis. *J. Biomol. NMR* (2016). doi:10.1007/s10858-016-0060-y

Cite NEF

Gutmanas, A. et al. NMR Exchange Format: A unified and open standard for representation of NMR restraint data. Nature Structural and Molecular Biology 22, 433–434 (2015).

Tutorial Version History:

beta3 (LGM): First version