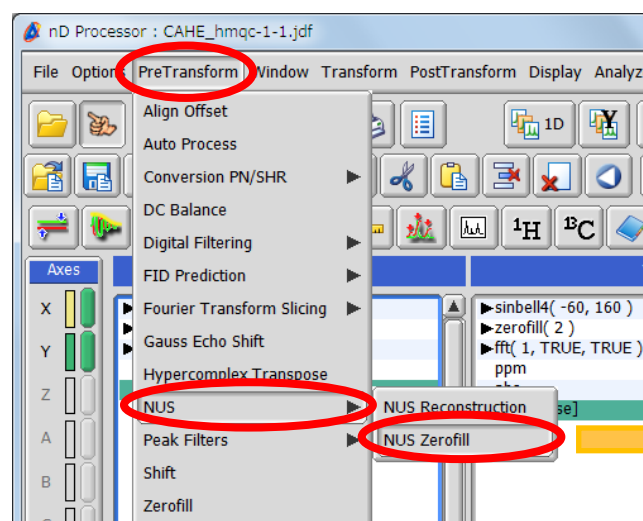


## NUS data processing by Delta NMR Software ver. 5.2

Product used : Nuclear Magnetic Resonance (NMR)

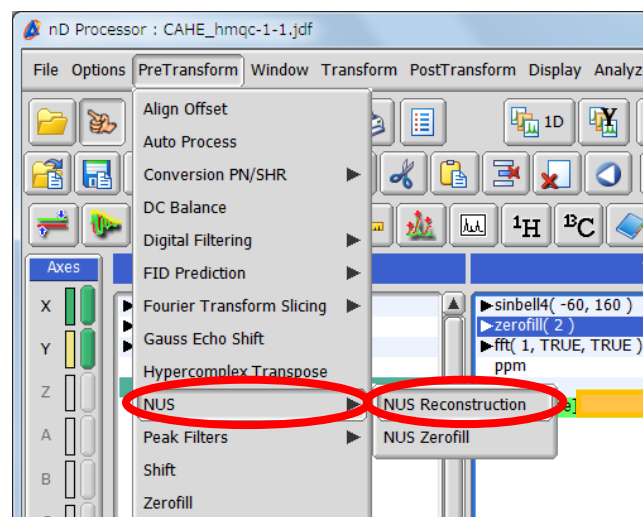
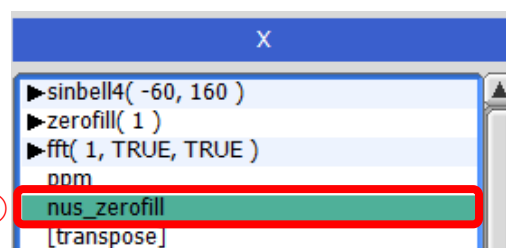
Non-uniform sampling (NUS) is applied for the multidimensional NMR experiment. For NUS data, data reconstruction is required for the NUS axis. The omitted sampling points are added by mathematical supplementation to reconstruct data, and then Fourier transform is applied. In this document, we will introduce a way of the 2D NUS data processing by Delta NMR Software ver. 5.2.



Add "nus\_zerofill" at the **end** of the **X-axis** process list.

[PreTransform] - [NUS] - [NUS Zerofill]

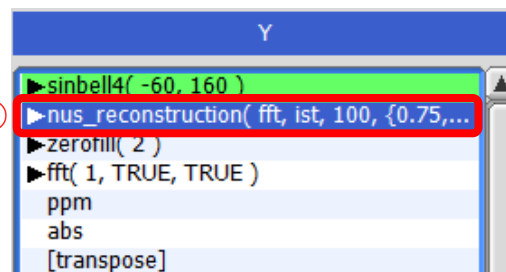
Supplement the data measured by NUS with zero points.



Insert "nus\_reconstruction" **after the window** function in a process list of the **indirect-observation axis** sampled by NUS.

[PreTransform] - [NUS] - [NUS Reconstruction]

Reconstructs the supplemented points using NUS Zerofill by compressed sensing.



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