

Delta Tips

NMDT_0028

How to Reduce Noise in 2D Spectra

NMR data processing software

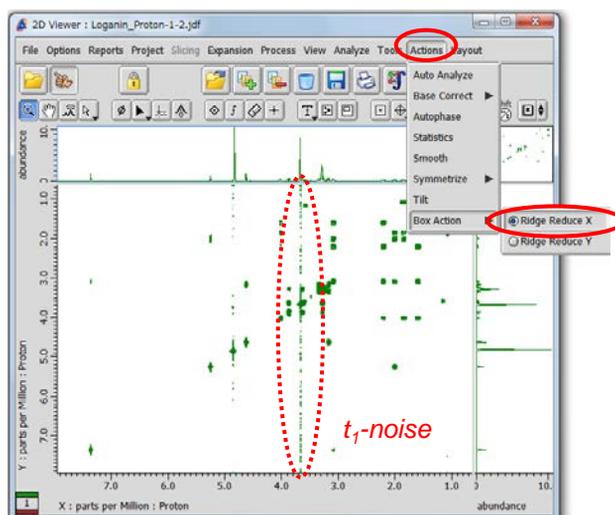
Delta
NMR Software
v5.0



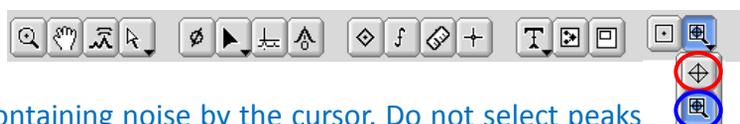
< Ridge reduction in 2D spectra >

2D spectra sometimes contain stripes of vertical and horizontal noise. Delta NMR software has a function to reduce both kinds of noise. The figures below show how to reduce t_1 -noise, i.e. the noise parallel to F_1 -axis.

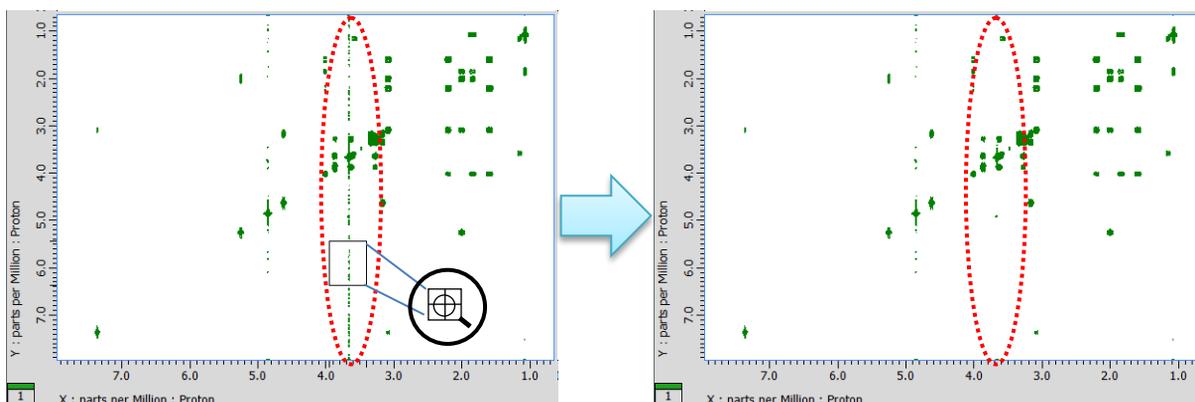
- ① Select **Actions – Box Action – Ridge Reduce X** in a 2D Viewer window.



- ② Push and hold the  icon and switch it to the Pick Region mode indicated by the  icon. Note that cursor has changed to the  symbol.



- ③ Select the area containing noise by the cursor. Do not select peaks as they would also be suppressed.



★ To reduce noise parallel to F_2 , select **Ridge Reduce Y**.