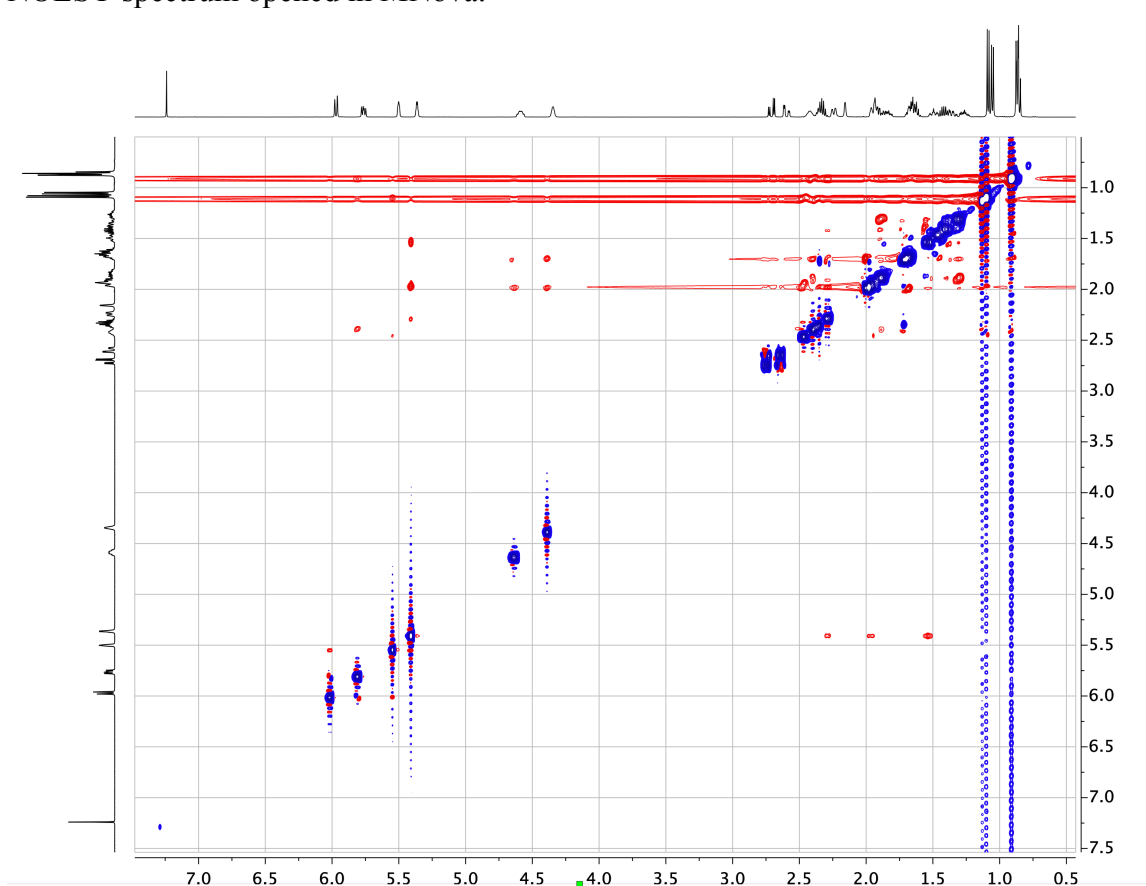


MNova 2D Processing

When you first open a 2D spectrum on MNova, it generally looks poor. Below is a NOESY spectrum opened in MNova.



The spectrum can be improved by following this protocol:

1. Right click on the spectrum on choose **Properties...**
 - a. Click **2D**, and then change **Palette** to **Red-Blue (Gradient)**.
 - b. Change the **Number of Positive Contours** to 25. Do the same with **Negative Contours**.
 - c. Change **Scaling** to 1.2
 - d. Click **Apply** then **OK**.
2. Click the f1 button above the spectrum:



- a.
- b. Click **Processing**.
 - i. Select **Zerofilling and LP...**
 - ii. Spectrum size should be 1024 or 2048 (larger if you have more points in F1).
 - iii. Click **LP Filling**.
 - iv. Click **OK**.

- c. Click **Processing**.
 - i. Click **Baseline** and choose **Baseline Correction...**
 - ii. Select **Apply to All Dimensions**.
 - iii. For **Method**, choose **Whittaker Smoother**.
 - iv. Click **OK**.
- 3. The Spectrum should look much better as is the case with the NOESY from above:

