Delta Tips

NMDT_0038

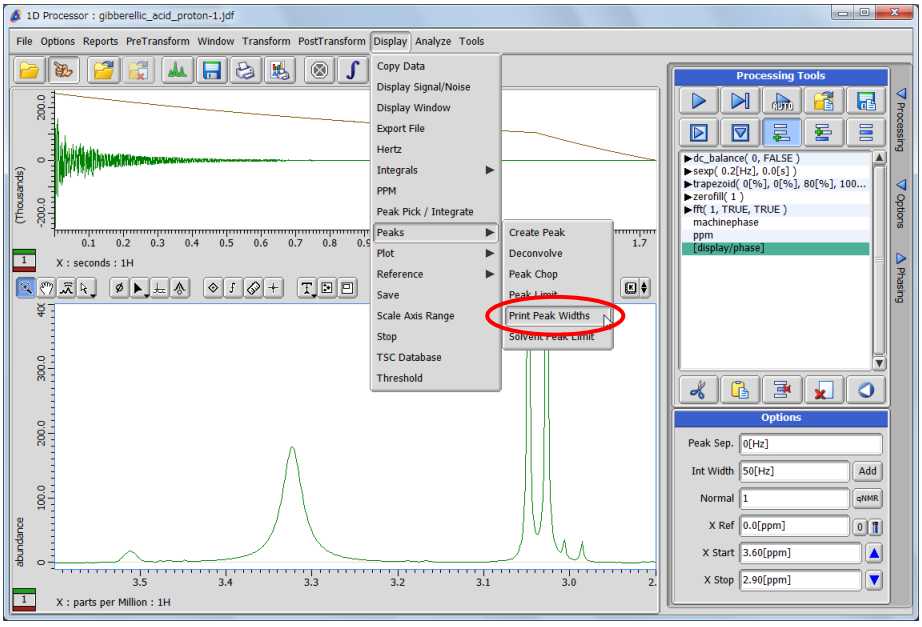
NMR data processing software

Delta NMR Software v5.0

How to Measure Full Width at Half Maximum

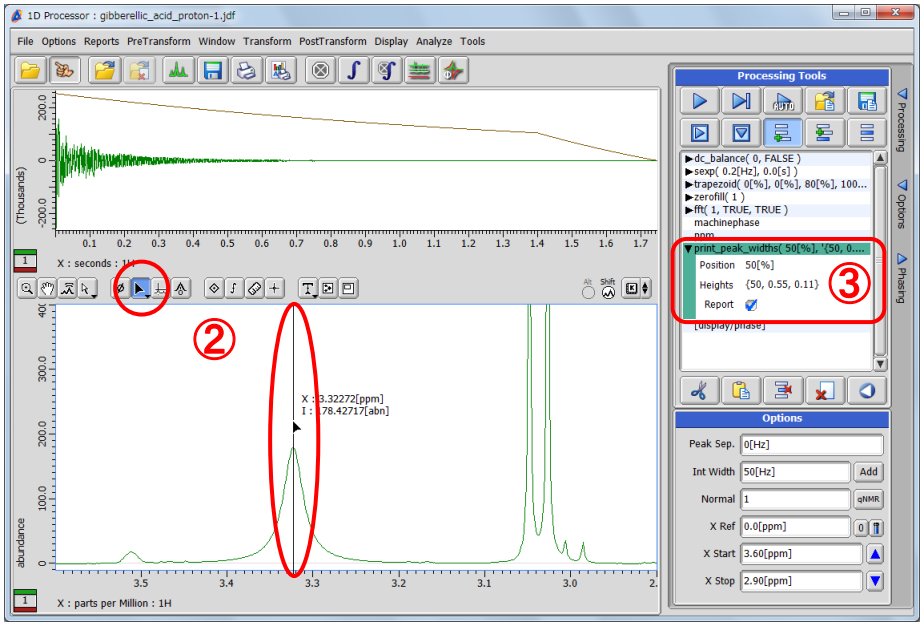
This issue of Delta Tips demonstrates measurement of full width at half maximum (FWHM), also known as line width at half height (LWHH), in 1D Processor.

① Select **Display – Peaks – Print Peak Widths**. This will add the '**print_peak_widths**' command.



② Click the button and select a signal to copy its chemical shift into the clipboard.

③ Click the black triangle next to '**print_peak_widths**' to reveal all the parameters.



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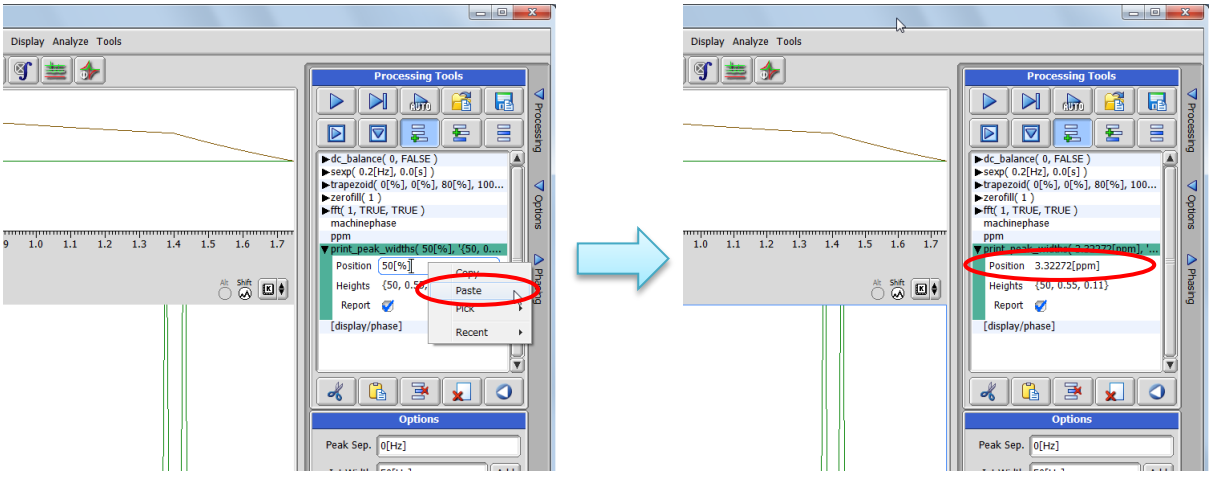
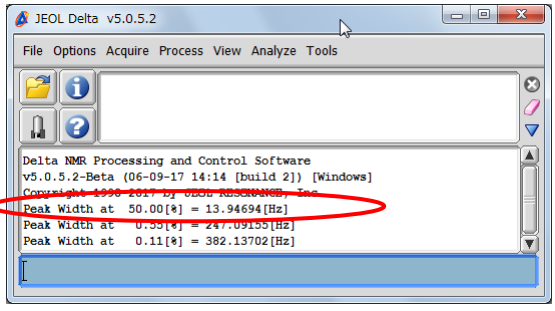
④ Paste the value stored in the clipboard (e.g. 3.32272 ppm) into the **Position** input box.

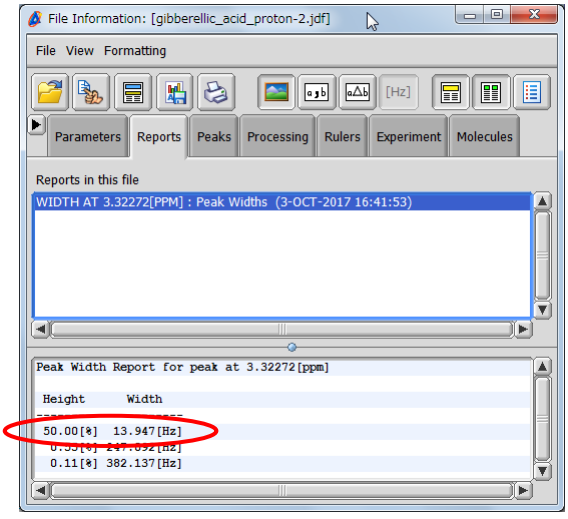


⑤ Click the ▶ button to execute the processing list.

⑥ Find the FWHM value in the Delta window as shown the figure. It is 13.9 Hz in the example.



★ The procedure described above creates a report which can be viewed by using the **File Information Tool**.



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