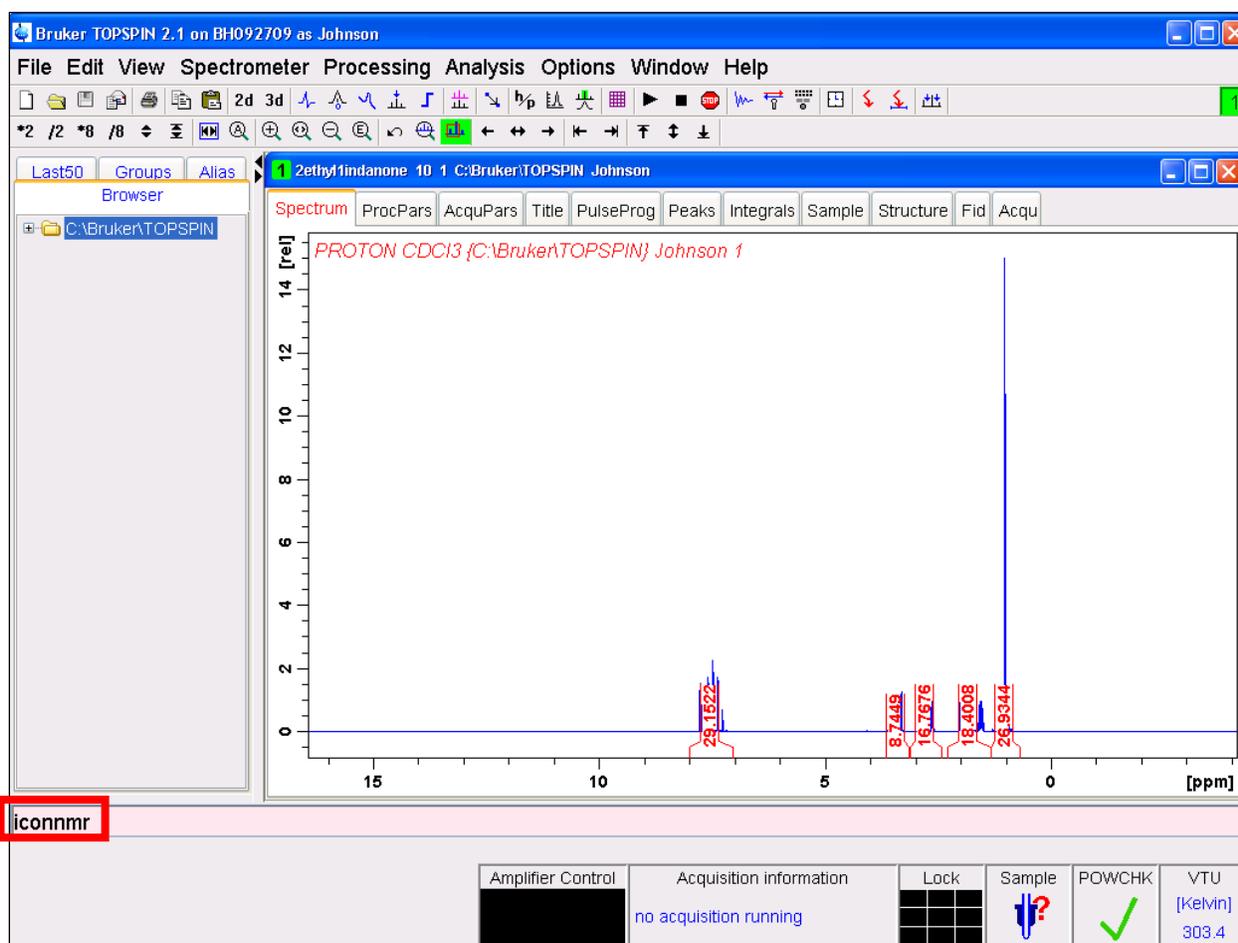


Acquiring Spectra using ICON-NMR  
The University of Southern Mississippi

1. Open Top Spin 2.1 by double-clicking on the **TOPSPIN 2.1 icon**.



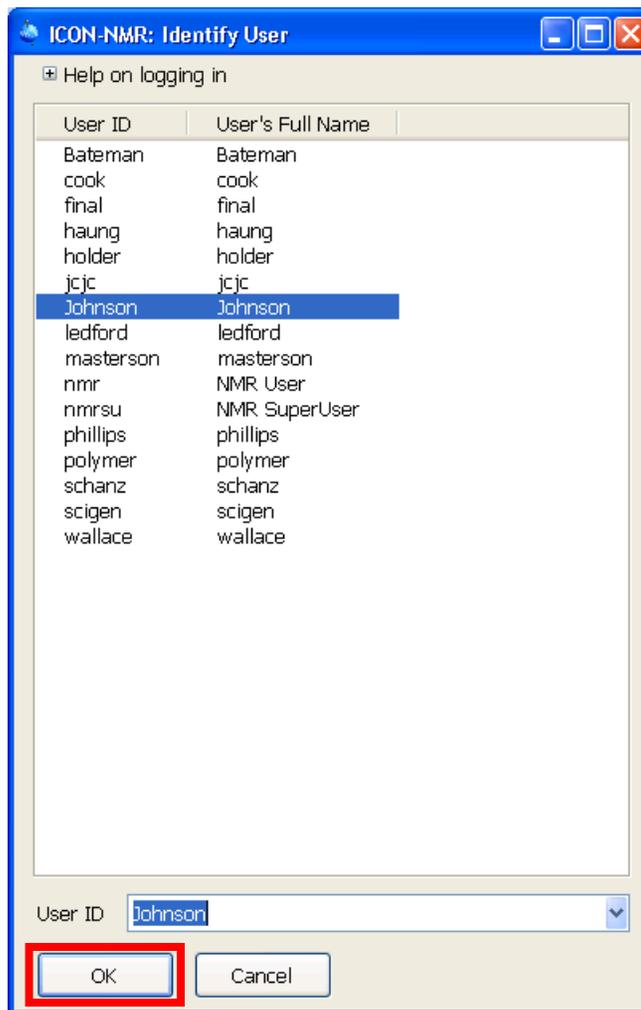
2. To start ICON-NMR, type 'iconnmr' in the command line (outlined in red in the picture below) and press **Return** or **Enter**.



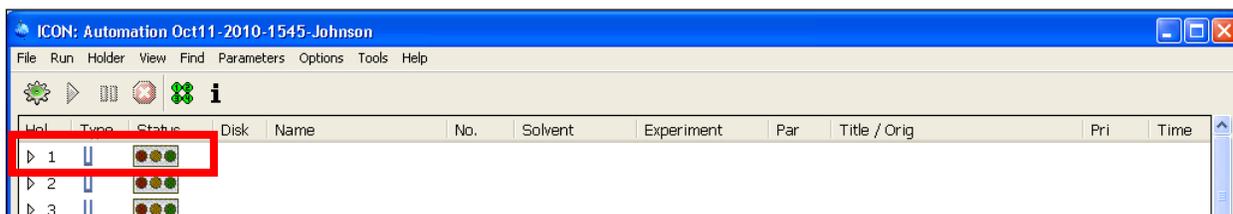
3. Select **Automation** (in red) from the list provided.



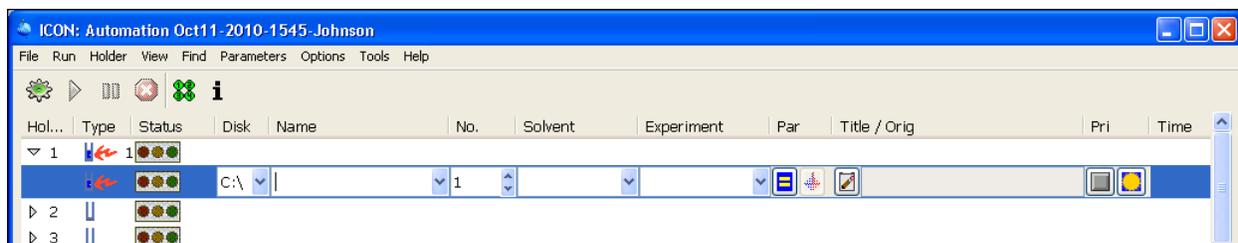
4. Verify that the **User ID** selected matches your login name.
5. Click **OK**.



6. To set up Sample 1 double-click **Holder 1**.

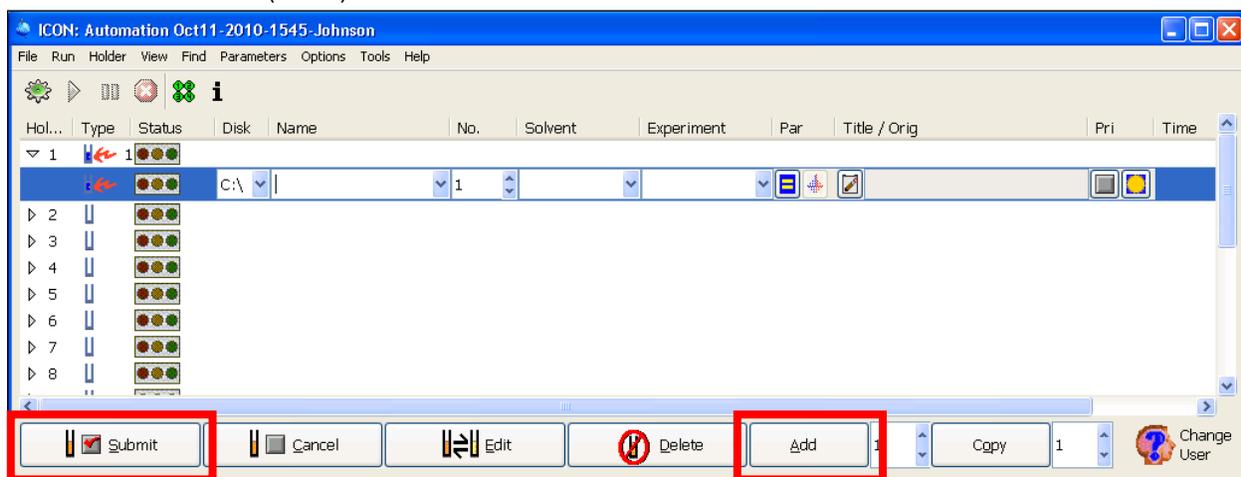


7. An input line will appear below Holder 1.



8. For Sample 1, enter the file **Name** to save data under, the number (**No.**) of the experiment, **Solvent** used and **Experiment** to run.

9. Click **Submit** (in red).

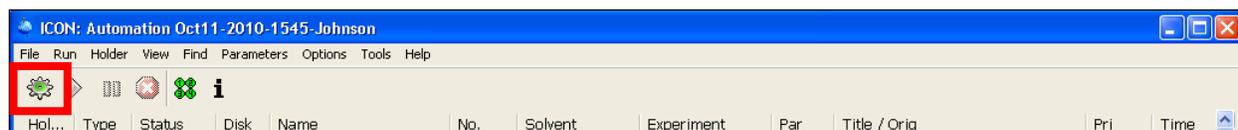


10. To run additional experiments on Sample 1, click **Add** (in red above). A new input line will appear below Holder 1.

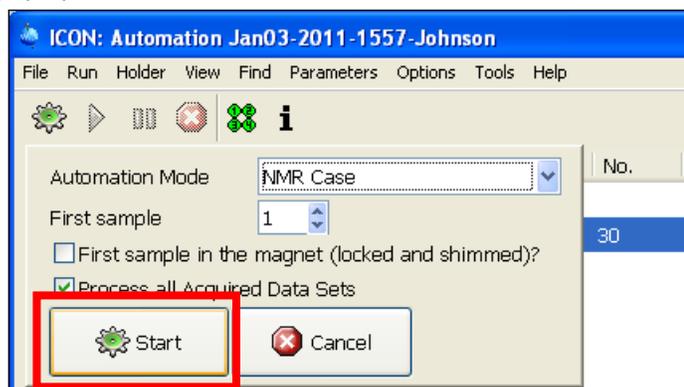
11. Repeat steps 8-10 until all experiments have been entered.

12. To run additional samples, repeat steps 6-11 using the next **Holder** number.

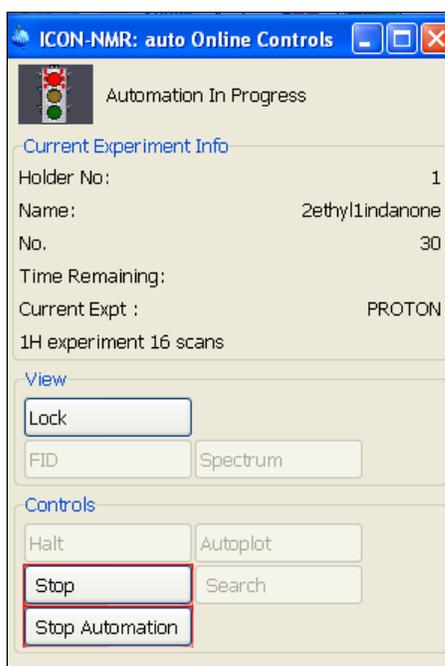
13. After all samples and experiments have been entered, select the **green gear shaped icon** (in red).



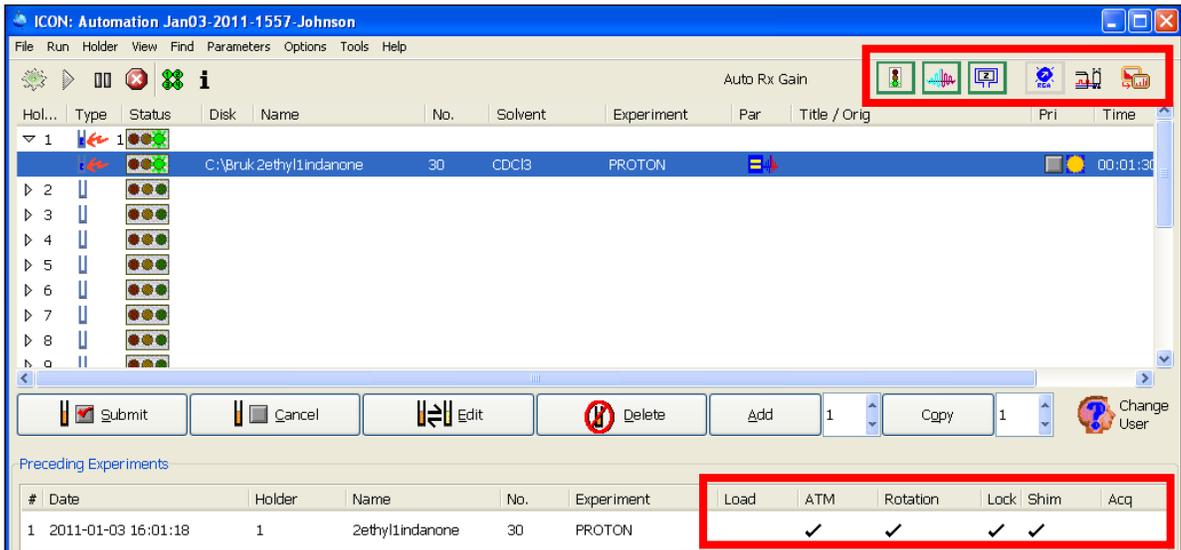
14. A new window will pop up. In this window, select **Start**.



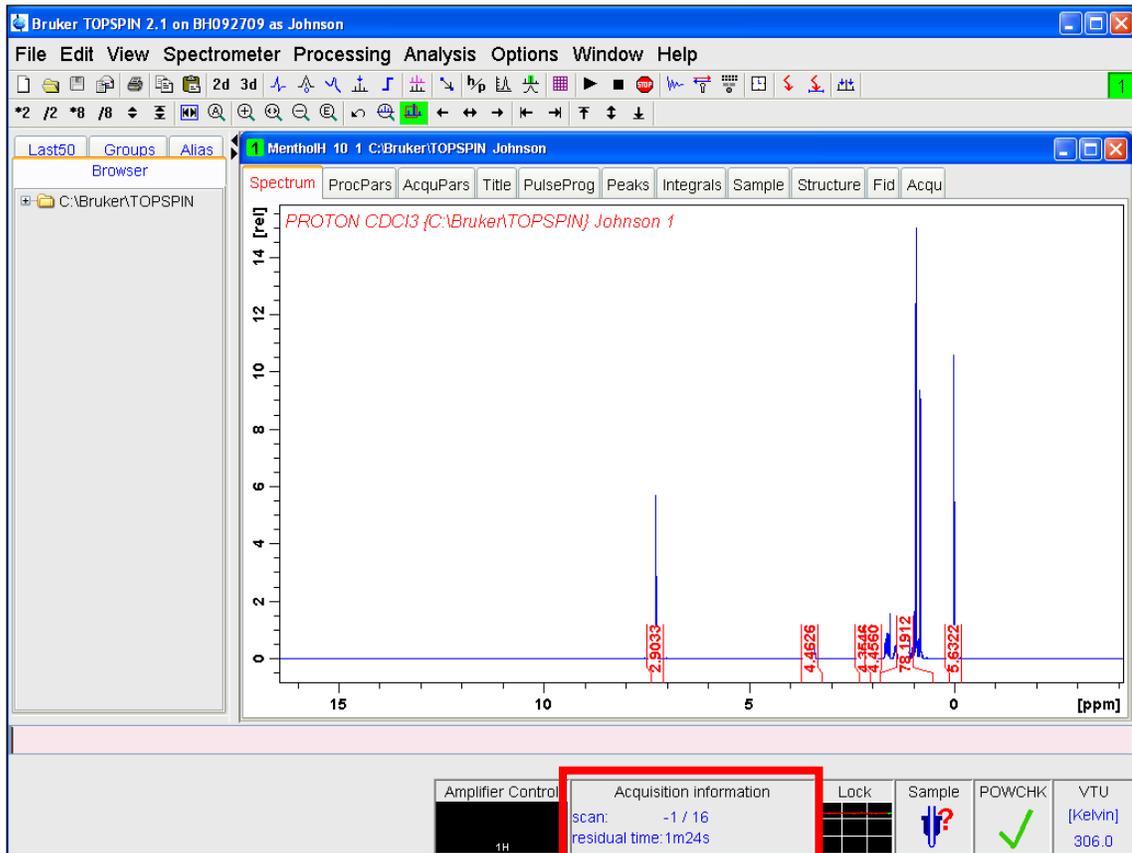
The H<sub>2</sub>O/D<sub>2</sub>O standard will be ejected and your first NMR sample inserted into the probe. The technician will move the H<sub>2</sub>O/D<sub>2</sub>O standard to be reinserted once all samples are run. A new window will appear giving the status of the current run.



The status of the run can be followed in the automation window.

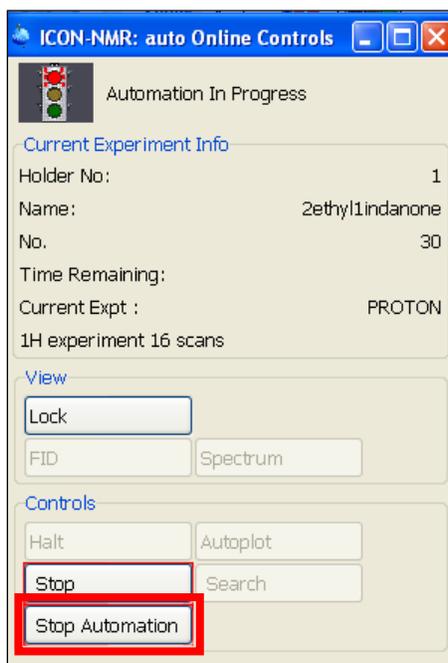


Once the acquisition has begun, information on residual time and scans can be found in the TOPSPIN window, below the command line (in red).

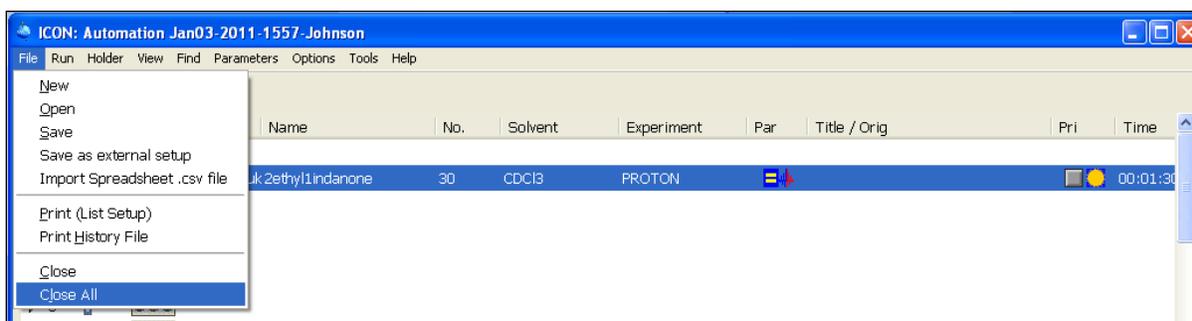


Once all samples are complete, your last sample will eject and the H<sub>2</sub>O/D<sub>2</sub>O standard will be reinserted into the probe. The technician will remove all samples from the carousel.

15. To begin shutting down ICON-NMR, select **Stop Automation** in the ICON-NMR: auto Online Controls window. Select **Yes** in the window that asks, "Really stop the run?"



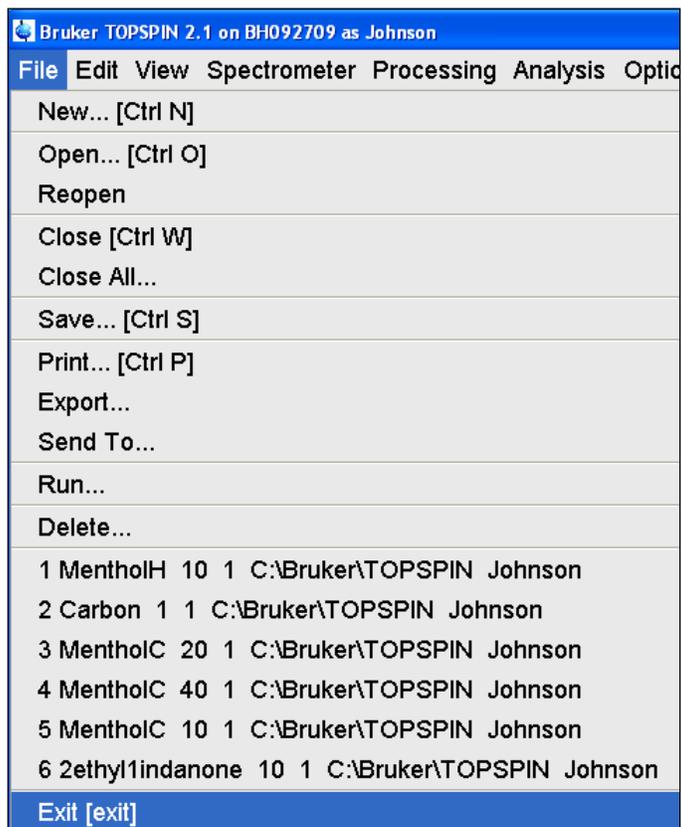
16. In the ICON: Automation window, select **File > Close All**. Select **No** in the window that asks, "Save set up before closing?" Select **OK** in the window that warns, "You do not have permission to change the configuration of ICON-NMR."



17. In the ICON-NMR: spect window, select **File > Exit**.



18. In the Bruker TOPSPIN 2.1 window, select **File > Exit**.



19. Select **OK** in the window that warns, "Close Top Spin. This will terminate all possible active commands. Exit anyway?"

20. From the Start menu, select **Log Off** to end your session.