

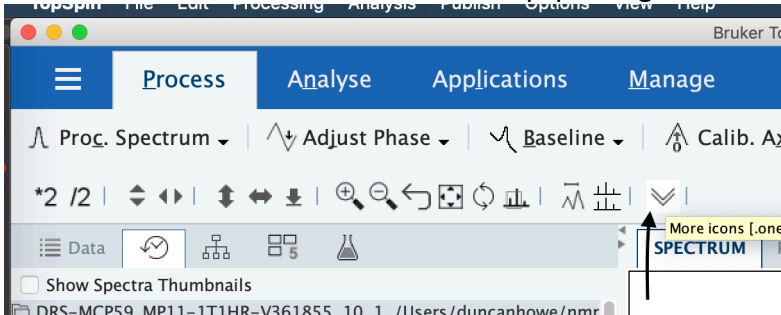
Notes on how to plot multiple spectra in Topspin.

As usual, there's more than one way!

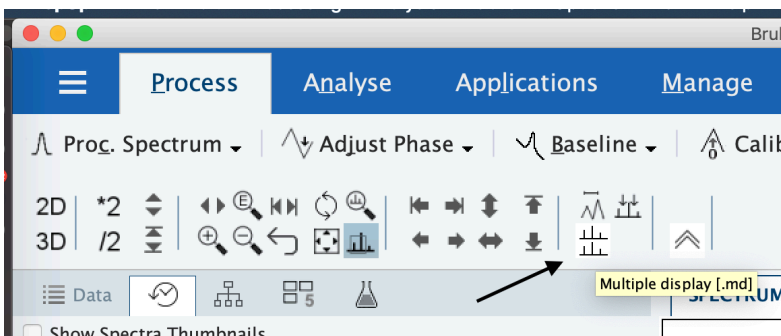
Method One

The first way is to use the multiple display mode built into Topspin :-

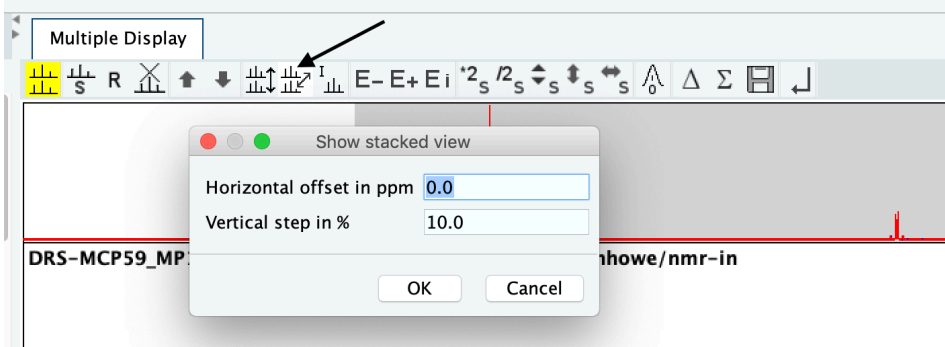
- Click on the double inverted arrow in Topspin to get both rows of icons:-



- Then click the multiple display icon. (Command line shortcut is .md)

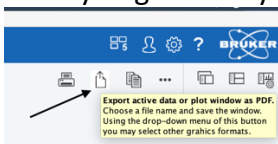


- Clicking on the 'show stacked view' button will control the X and Y offsets.

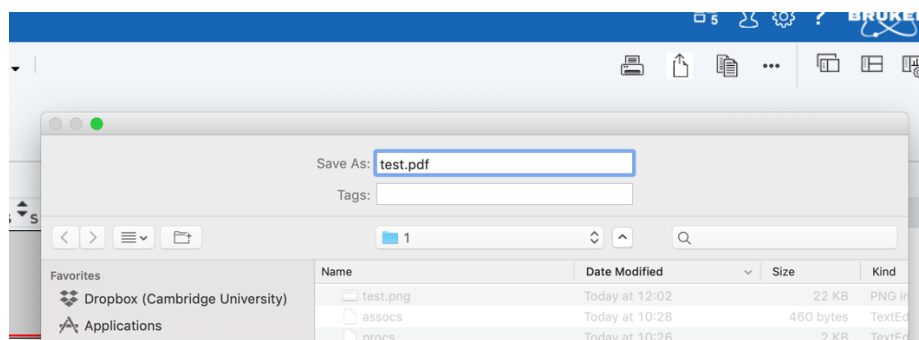


You can also remove selected spectra, and do functions like scale, then add and subtract, and save the result...

- Once you get what you want, you can export the result to a graphics file, by clicking on the button :-



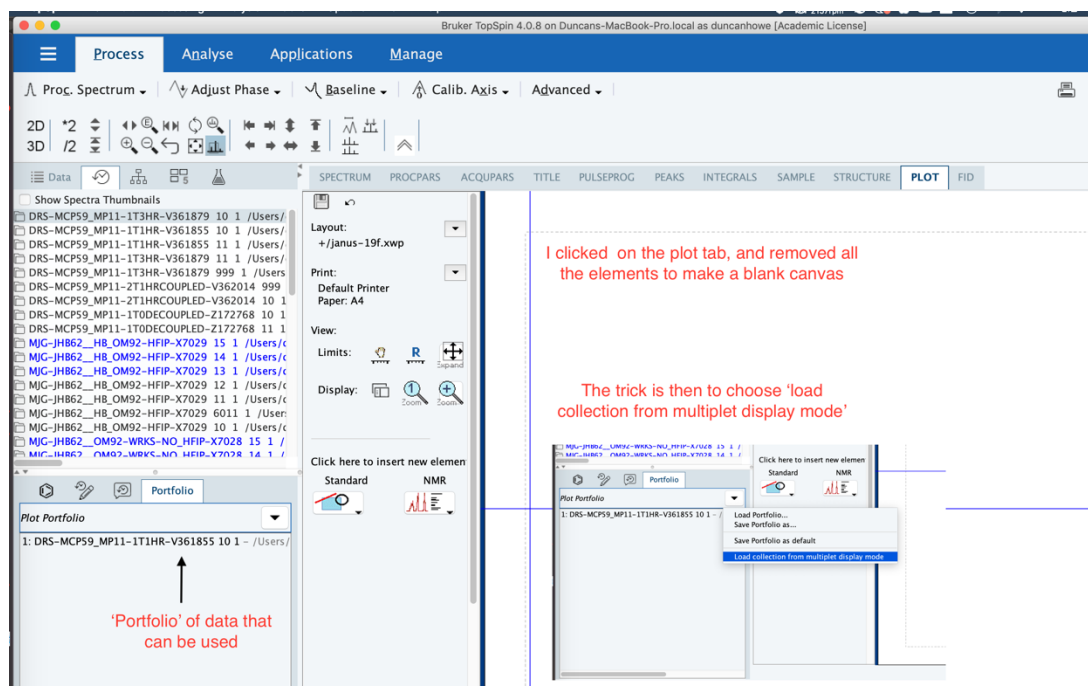
The trick is to put the suffix of the file type you need to export. For instance 'test.pdf' or 'test.png'



Method Two

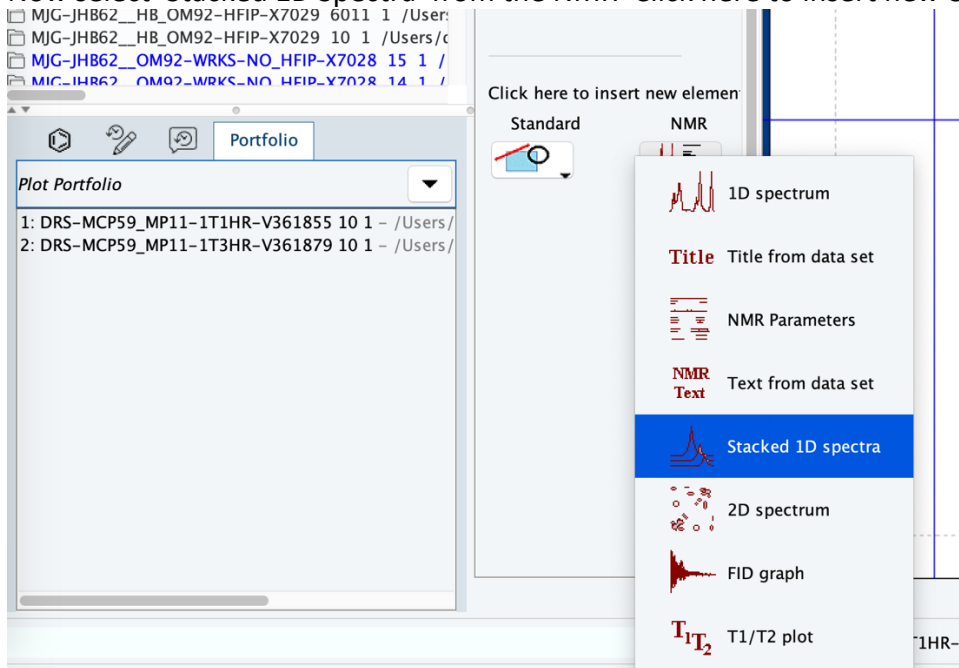
This is to use the in-built plot layout software built into Topspin. This works a bit like PowerPoint, in that the plot is composed of objects, which you can manipulate.

- First get all the spectra you need into the multiple display mode as above.
- Then, click on the 'Plot' tab in Topspin.

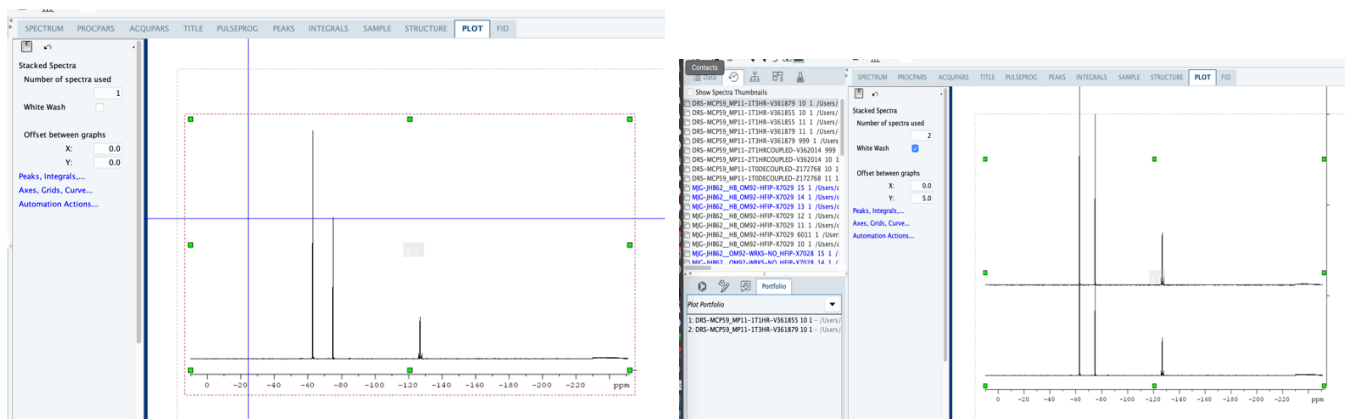
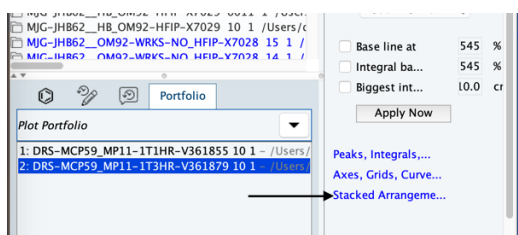


The trick to get the data into the plot layout, is to click on the inverted arrow in the portfolio manager in the bottom left of Topspin and 'load collection from multiplet display mode'. (You'd think drag and drop would work, but it doesn't seem to...)

- Now select 'Stacked 1D Spectra' from the NMR 'Click here to insert new element' button.



- Now click on the blue writing to choose what to adjust, so stacked plot will adjust the number of spectra loaded from the portfolio and the offsets :-



- Click on the blue writing to make adjustments to the spectra elements, using the standard Topspin buttons.
- Tricks and quirks...
 - o Try right-clicking on elements to see what pops up. E.g. the 'expand' tool.
 - o When you expand a spectrum, expand on the bottom spectrum, if you expand elsewhere, you'll enlarge empty space.
 - o Quirkily, the zoom and changing the region doesn't update the rest of the spectra, unless you set the number of spectra back to one, the back to what you want by clicking on the 'Stacked Arrangement' blue writing...
 - o The undo button is the little curly arrow (CTRL-Z didn't appear to work on my Mac):-

