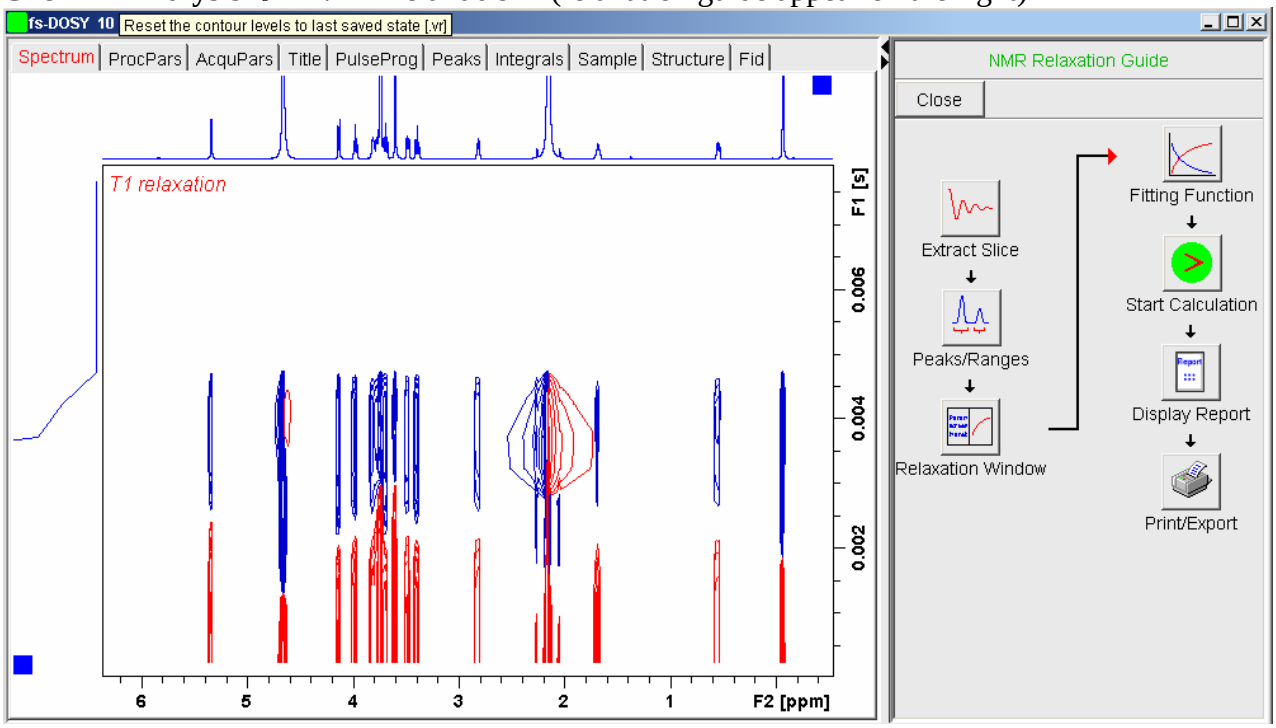
Processing relaxation experiment (T_1) in TOPSPIN

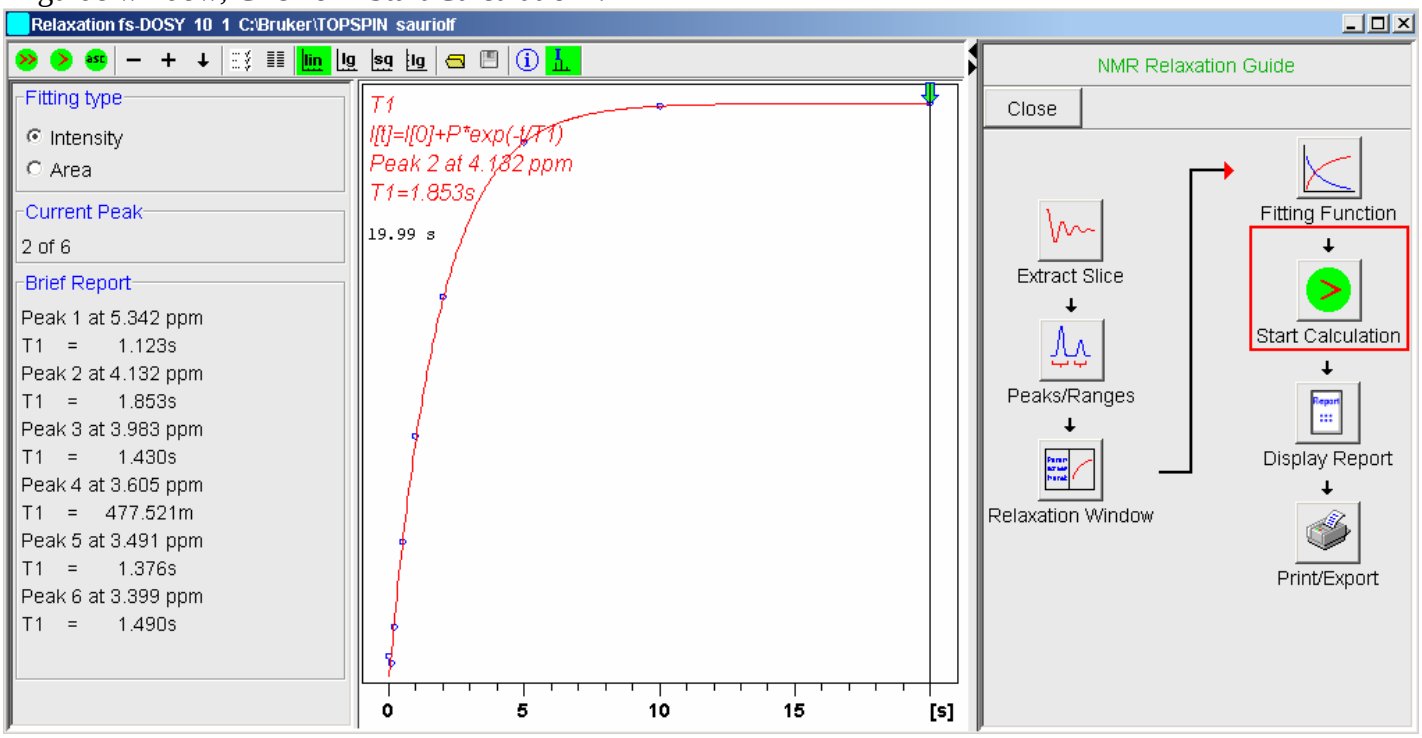
1. Select "**procpars**" tab and click on "**P**" to display parameters. Make the following changes:
   Si[F1]=16,
   PH_mod[F2]=pk
   PH_mod[F1]=no
2. Type "**xf2**" then Type "**abs2**"
3. Select the '**spectrum'** tab
4. Click in "**Analysis → T1/T2 Relaxation**" (relaxation guide appear on the right)



5. Click on "**Extract Slice**" : in popup menu, click on "**Spectrum**"
6. Enter '**Slice number =1**" and Click on "**OK**"
7. 1D spectrum will come on screen. If the spectra is not well phased, go in phase mode, phase it : **save as 2D**, also **save and return**.
8. Note: when you have a slice on screen, notice the numbered button on the far right of the top toolbar: 

: the "**1**" is for the 2D relaxation, the "**2**" is for the relaxation Guide, the "**3**" is for the 1D slice. After Phasing the 1D slice and saving as 2D, you will need to activate "1" and reapply Fourier transform "**xf2**" and baseline correction "**abs2**"
9. Click on "PeaksRanges"
10. Define Integral regions by clicking with left mouse
11. Click on the Save button  on integral toolbar and select "**Export Regions to Relaxation module**"
12. In relaxation guide, Click on "**Relaxation window**" : enable "**intensity**", Click **OK**.
13. In guide window, Click on "**Fitting Function**" Select "**uxnmrT1**" in popup window

14. In guide window, Click on “Start Calculation”.



15. In the toolbar on top of the active window, The 2 first button will execute calculation:

 will calculate all peaks and give calculation result as a Brief Report (like in figure above)

 Will calculate the current peak

 The “minus” and “plus” buttons navigate to previous or next peak

 Will show the full report. This can also be done by selecting “Display Report” in Guide window.

 Will show/hide the text in graphic window.