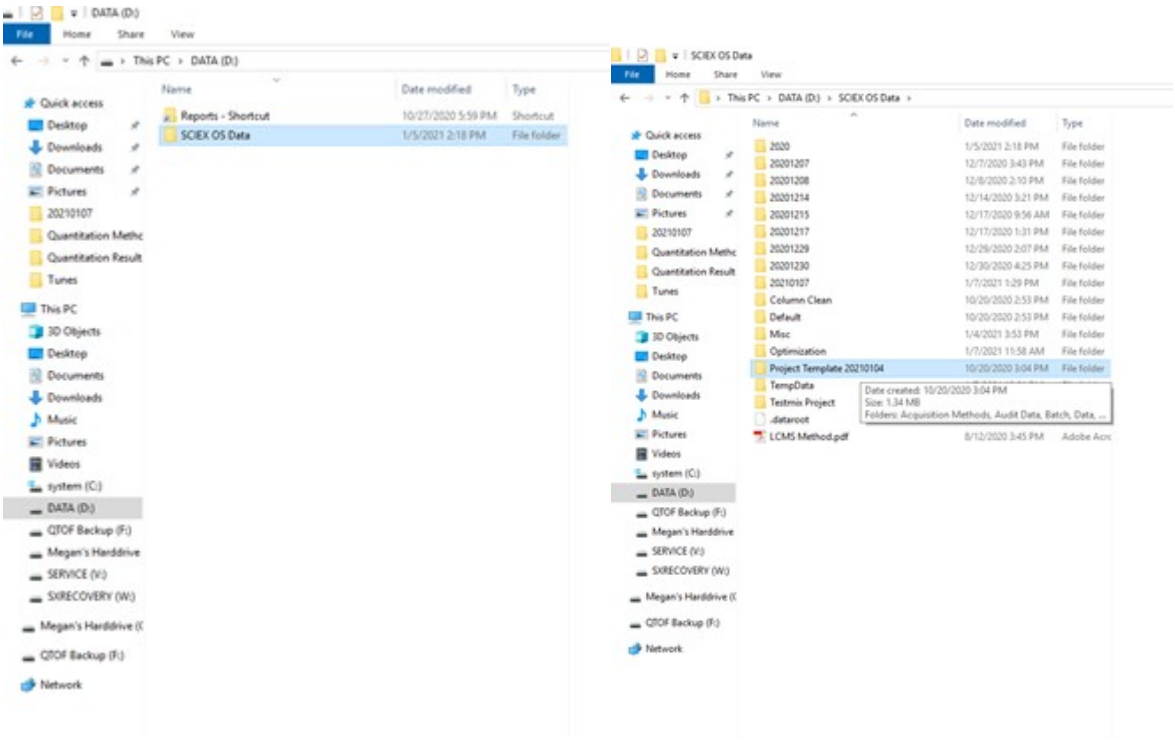
User Guide – QTOF

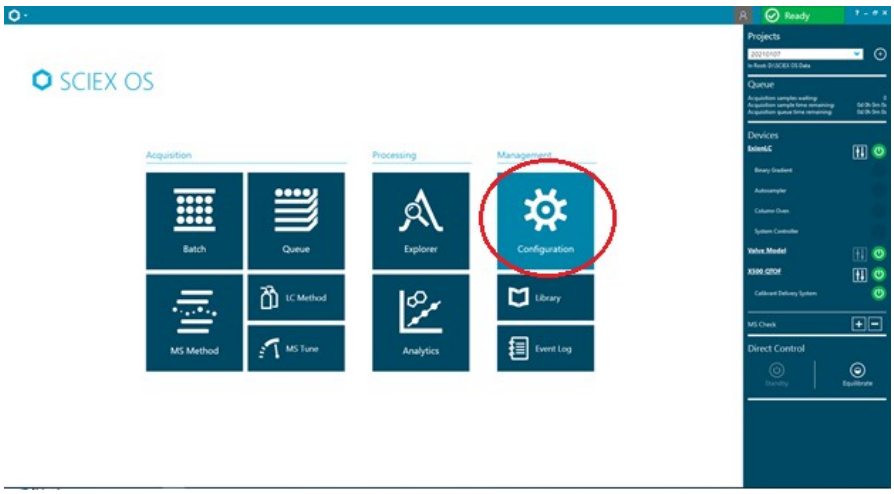
Step 1: Create your project



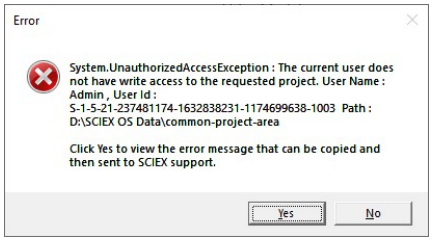
In the Data (D:) – SCIEX OS Data folder, there is a "Project Template 20210104" folder. Copy and paste a copy of this folder. Rename the copied folder to the data of the extraction.

Step 2: Open SCIEXOS

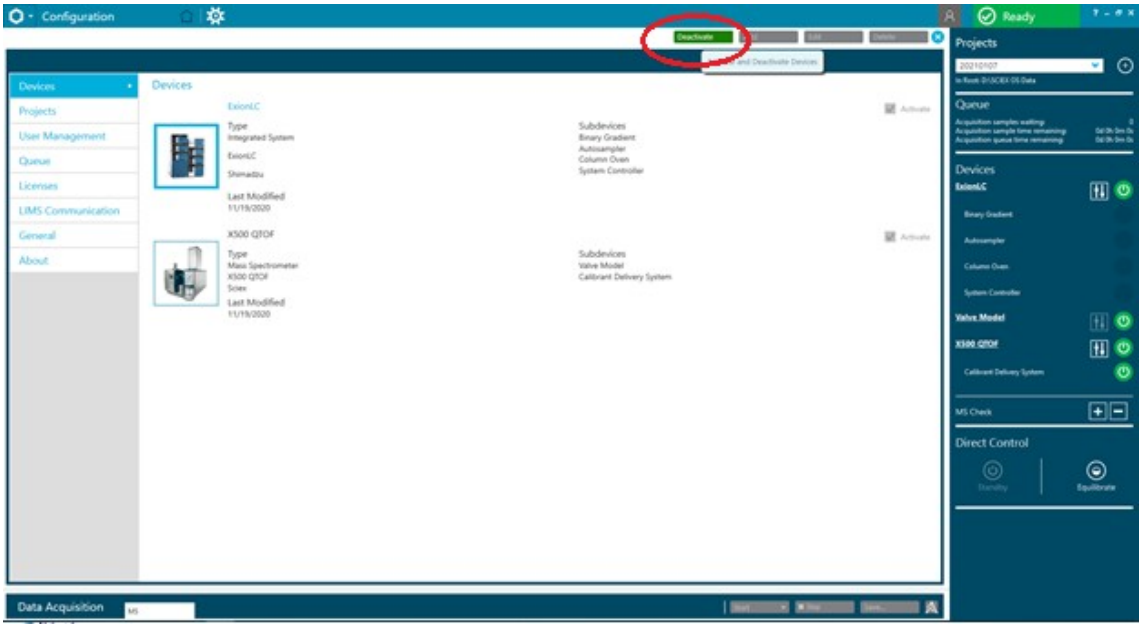
Step 3: Open "Configuration"



Raleigh Lab: An error message may show up – it will not affect the use of the instrument – simply click "NO"



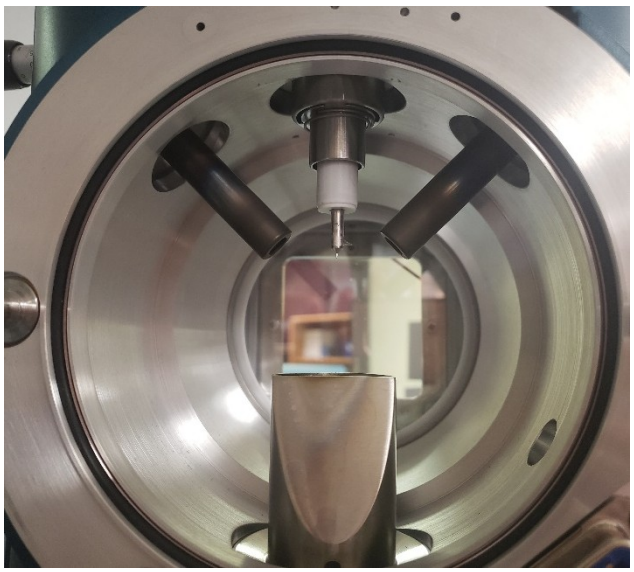
Deactivate the instrument



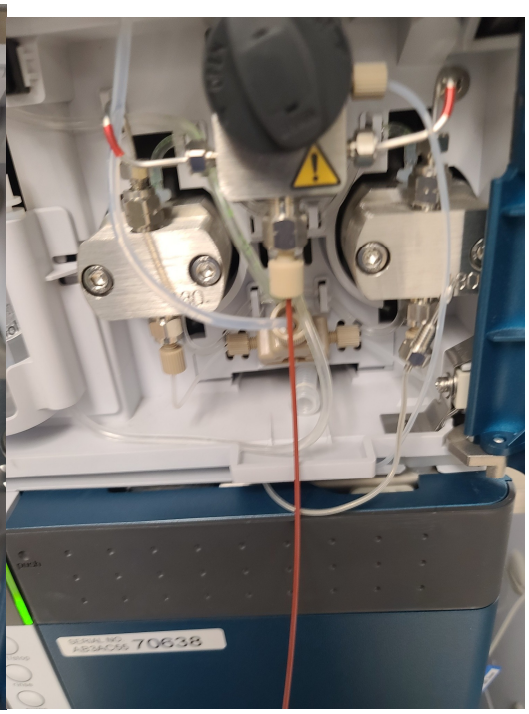
Step 4: Clean the curtain/orifice plate and the probe

- Lift up the handles on the door of the curtain plate

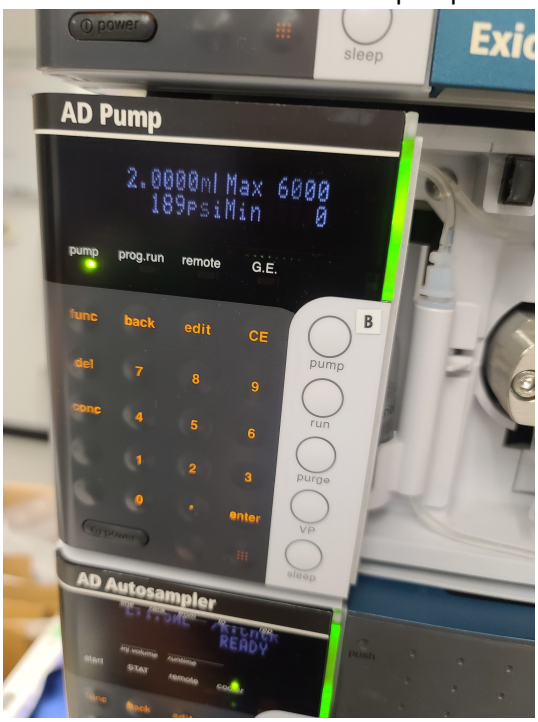
- Remove the door containing the probe



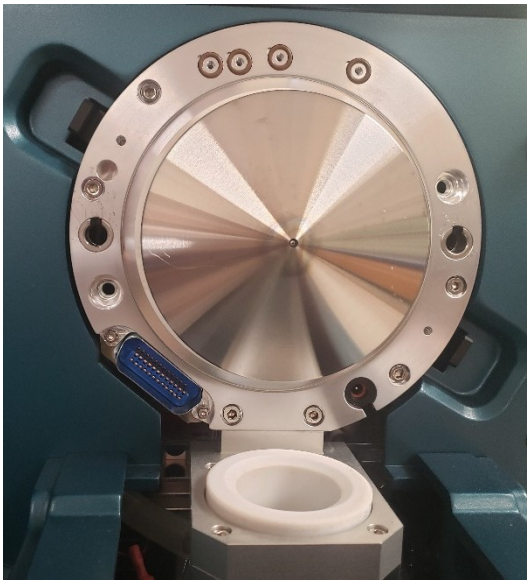
- Connect the LC peak tubing to the Mobile Phase B pump



- Set the flow to 2.0000 then click pump and allow to flow through for a few minutes.

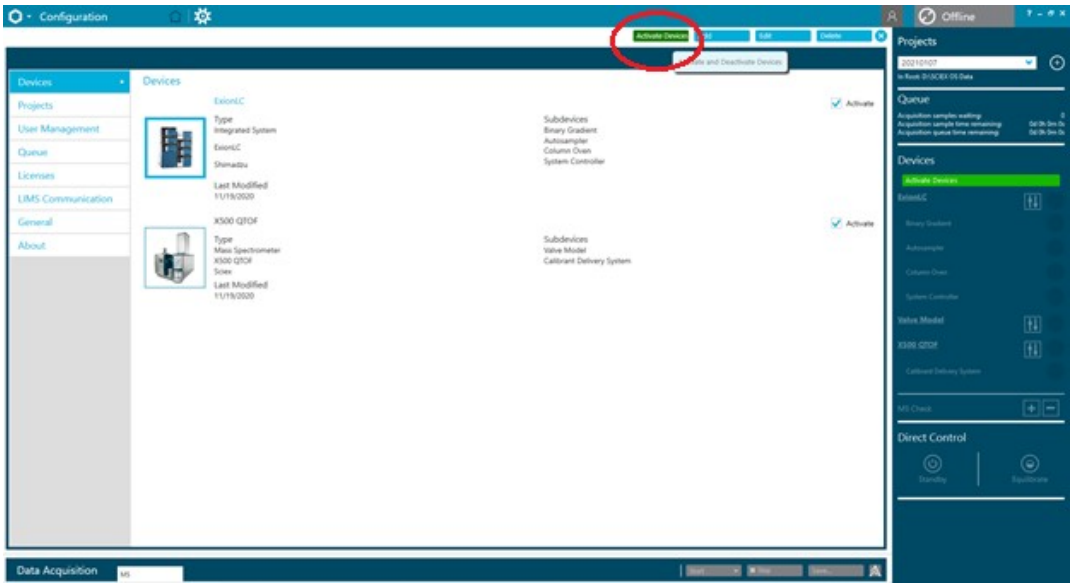


- Removed the curtain plate, by pulling it back (it does not twist)



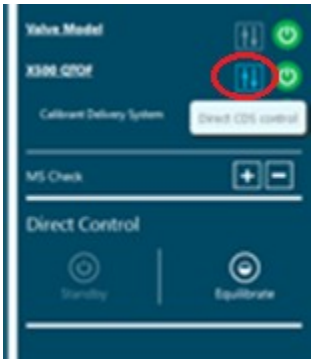
- Clean using Methanol and Water – use a kimwipe or a Q-Tip to wipe off the top surface as well as the back of the curtain plate.

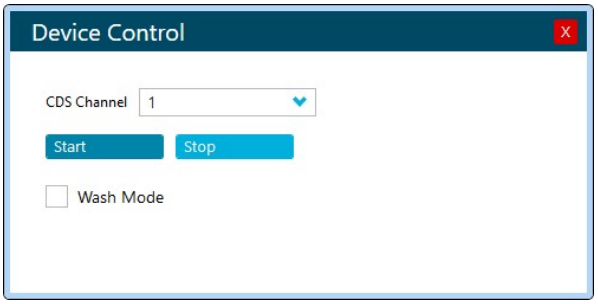
Step 5: Activate the instrument



Step 6: Run the Calibration solution and Tune the instrument

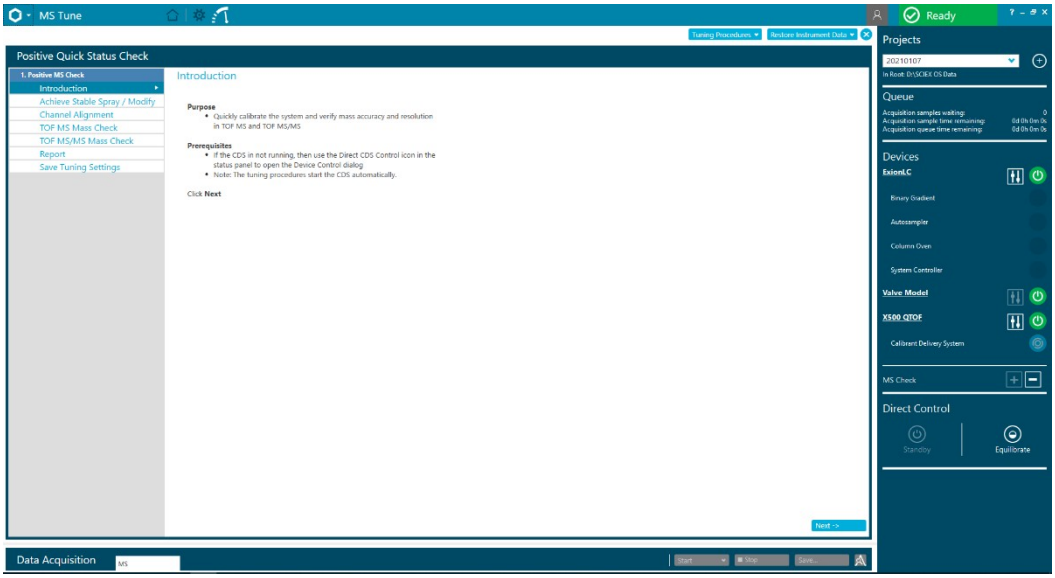
Click on the toggle button next to the "X500 QTOF"



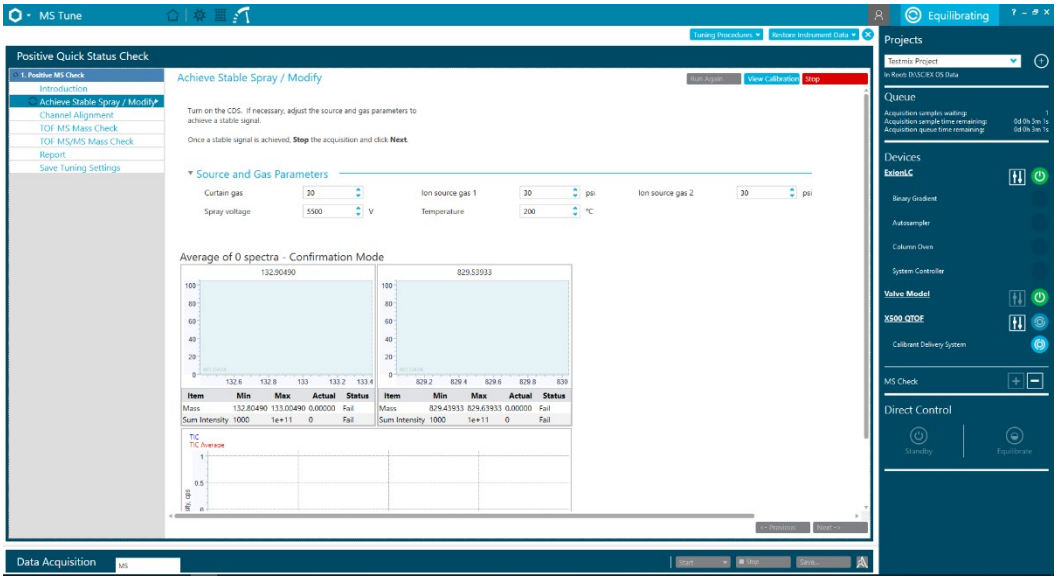


Select "Start" – wait until you hear the solution running before closing this window

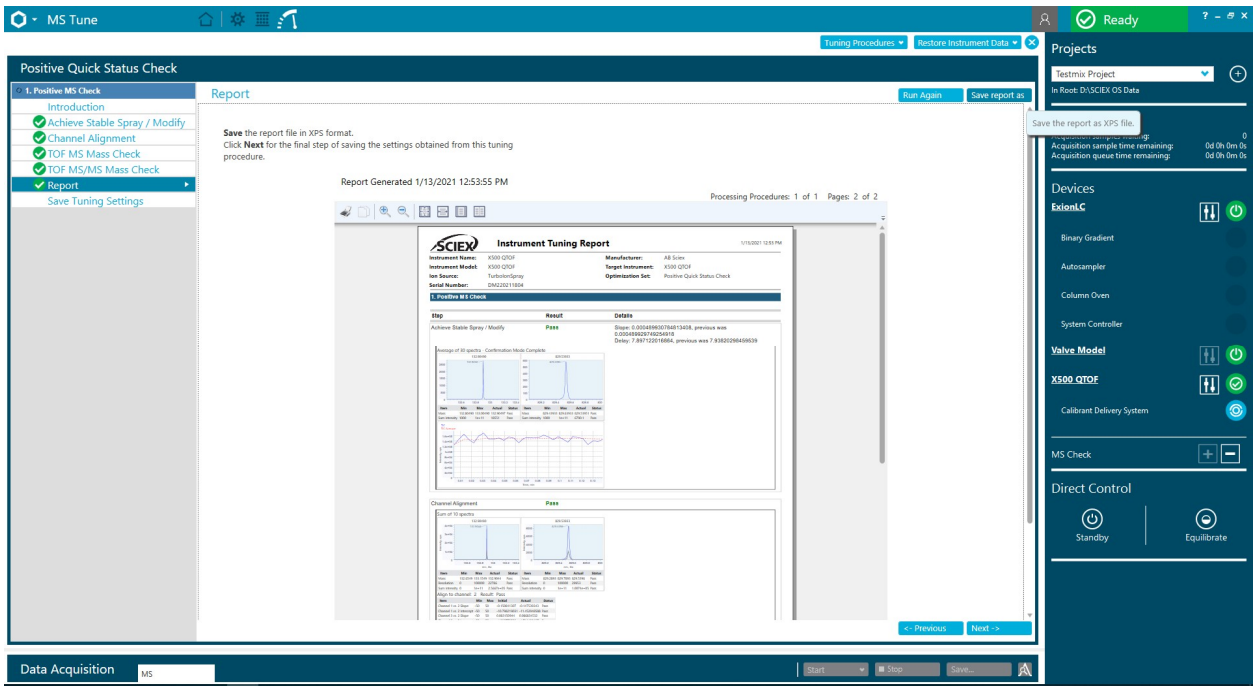
Click on the "+" symbol next to "MS Check"

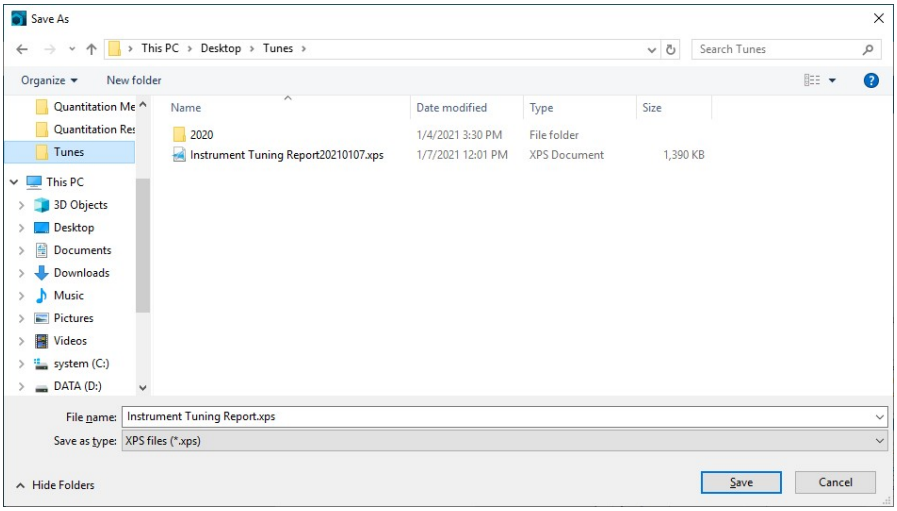


Once this window appears, follow the “Next” button at the bottom.The tune will automatically start.

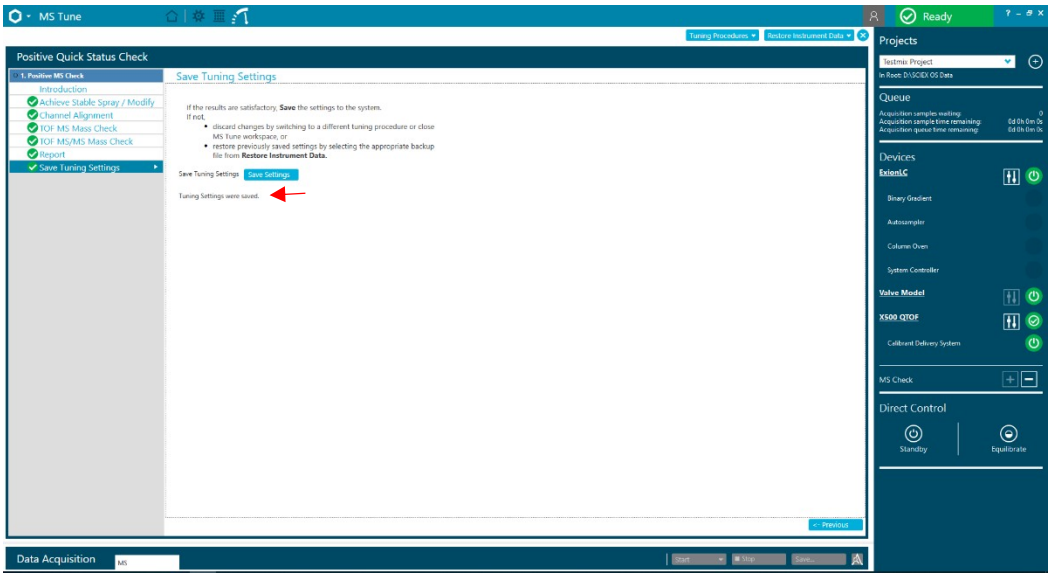


Once the Report screen shows up, save the report in the “Tunes” folder on the desktop and**SAVE** the tune.

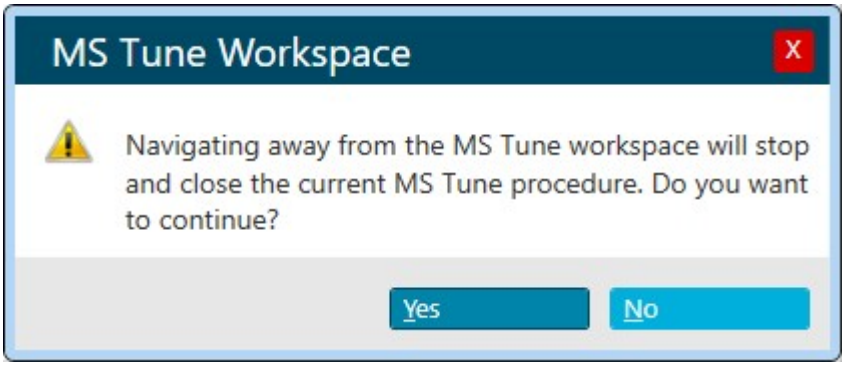




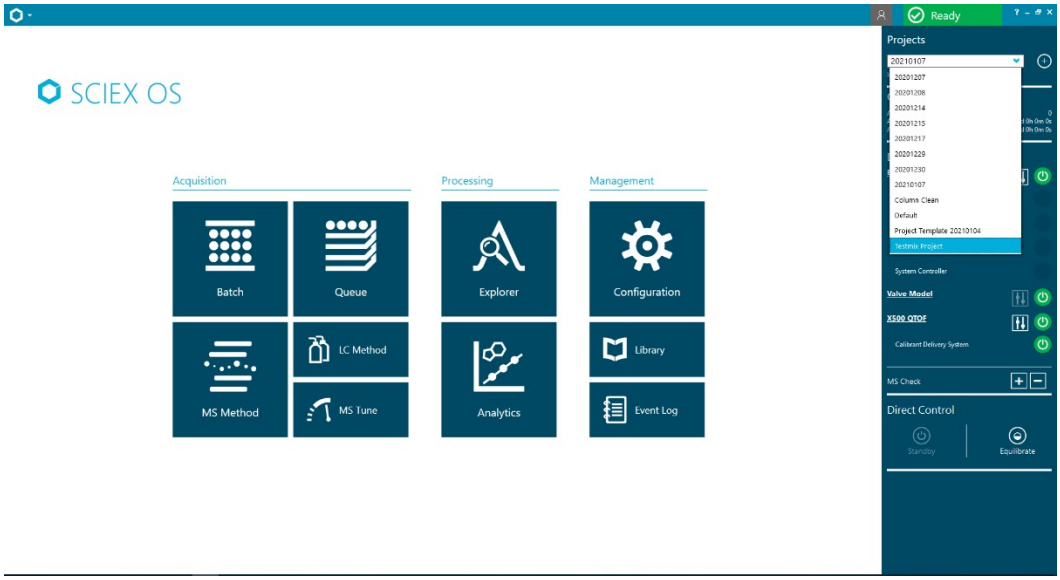
Click “Next” once the report is saved – Click on the “Save Settings” button and wait for the “Tune settings were saved”



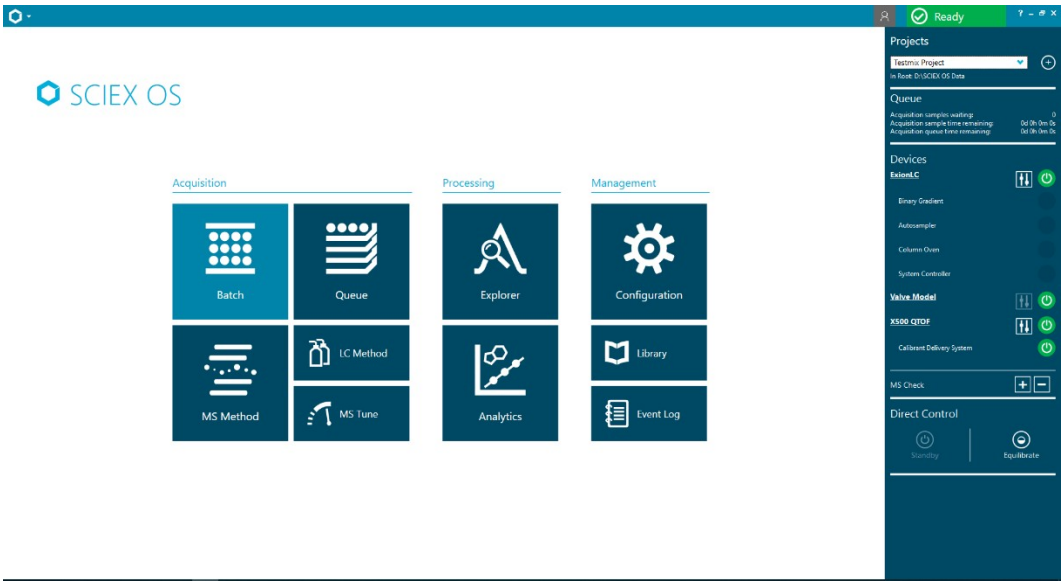
The MS Tune page can be closed. A message will pop-up asking if you wish to continue. Click “Yes”



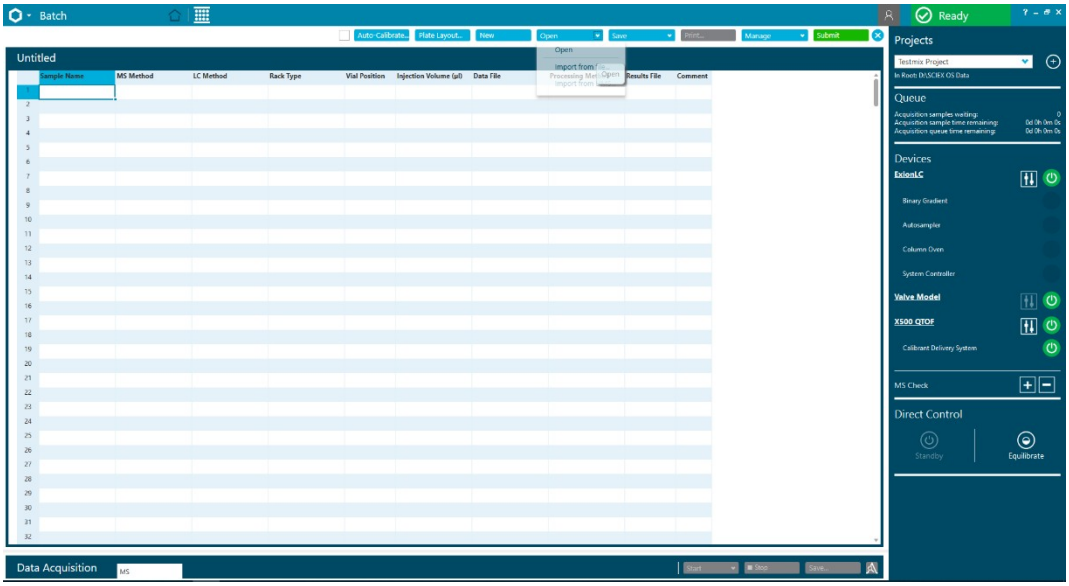
Step 7: Open the TestMix Project



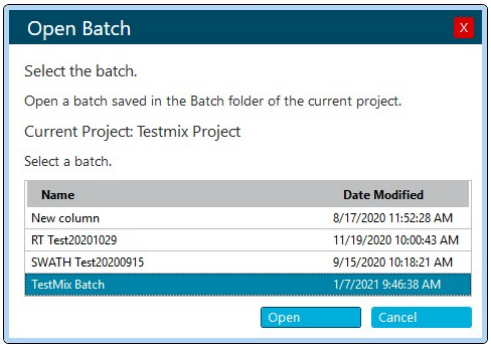
Open “Batch” from the home screen



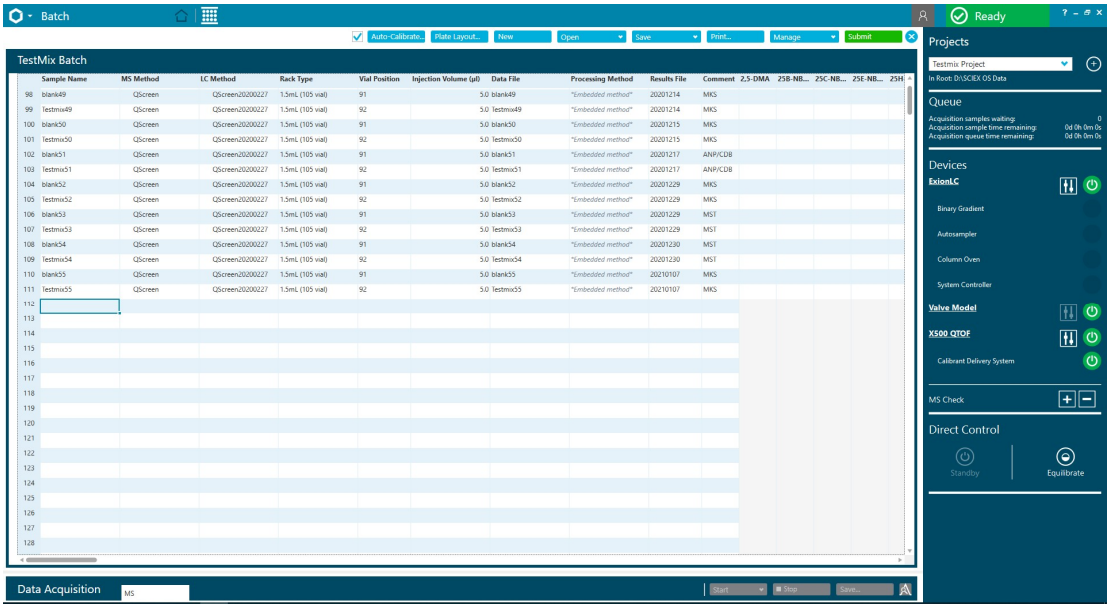
Go to Open -> Open



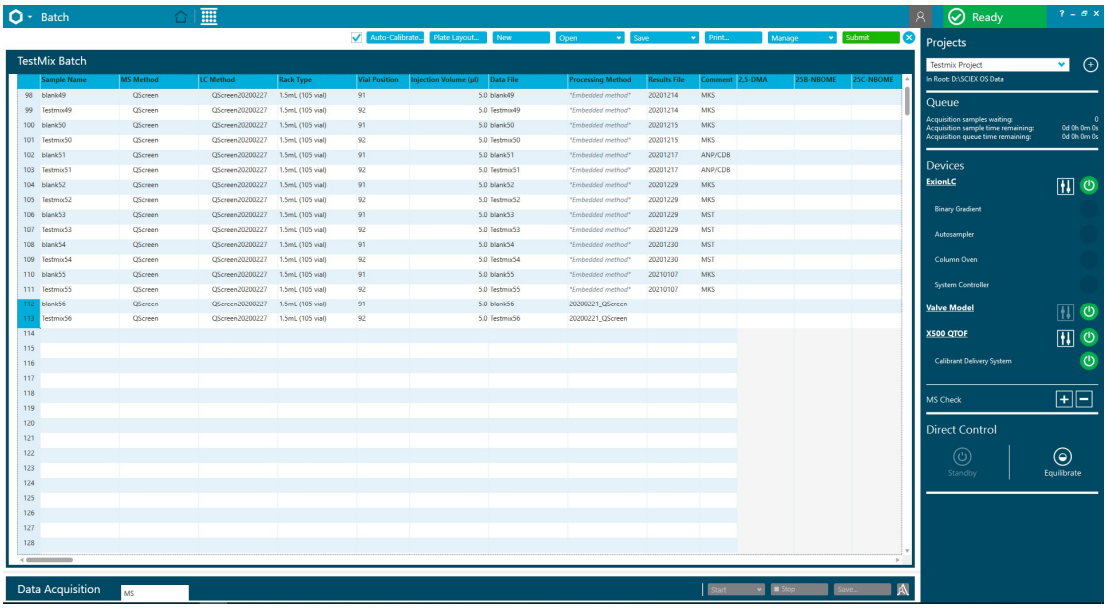
Select the TestMix Batch



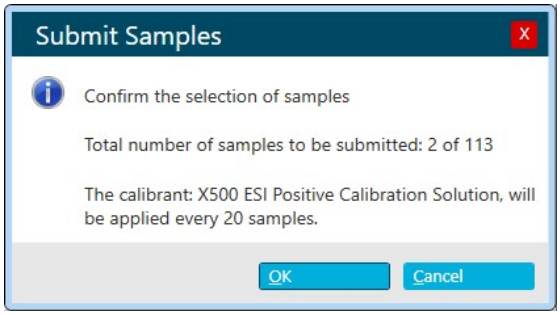
Add the Blank and TestMix sample for that day to the end of the Batch



Highlight the two rows you wish to submit



Once you click the "Submit" button, the box below will pop-up. Make sure it says the correct number of samples you wish to run and that the calibrant has been selected.

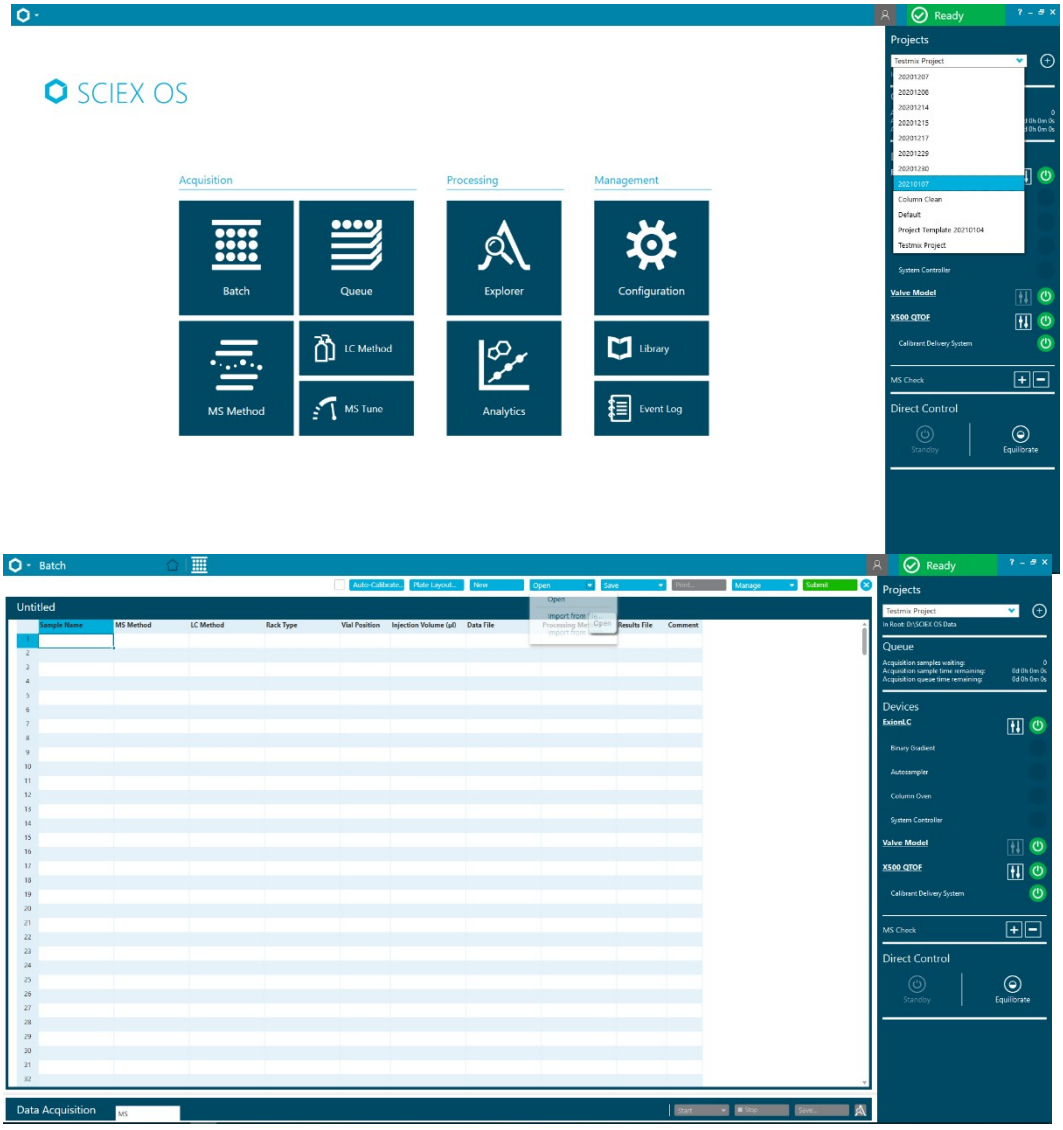


Step 8: Process the TestMix

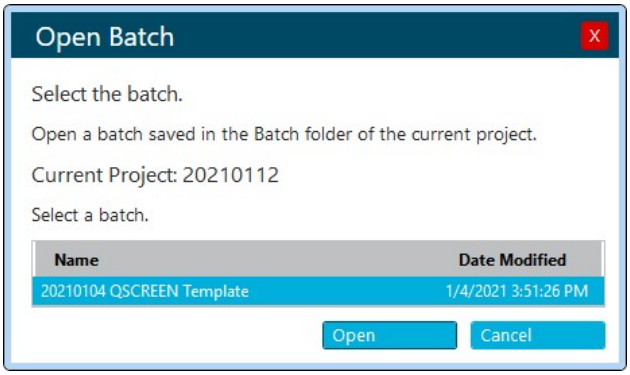
See the processing guide for further instruction

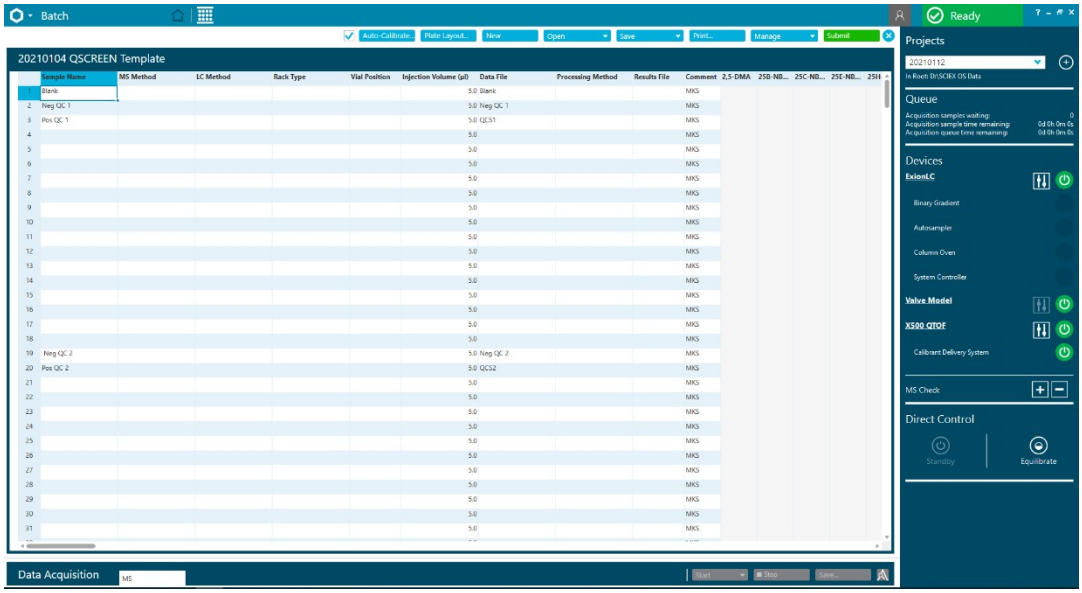
Step 9: Create your batch

Open your project – follow *step 7*



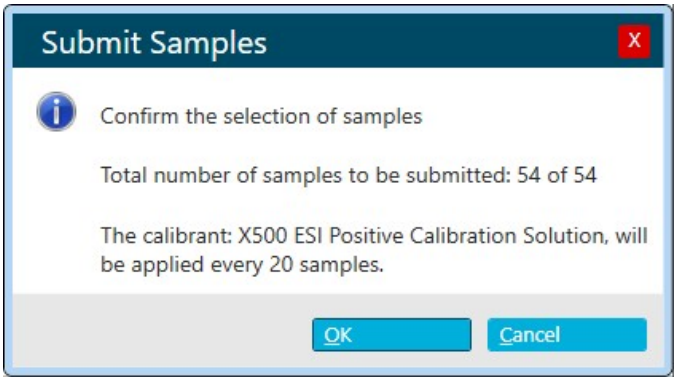
The only Batch that should be listed under your project is the Template file





After you fill in the sequence list, print it, save it with the same name as the project

When you are ready to hit “submit” make sure the number of total samples equals what is in the sequence and that the calibrant is set to run every 20 samples



Step 11: Run your samples