AKTA Start

Injecting a sample

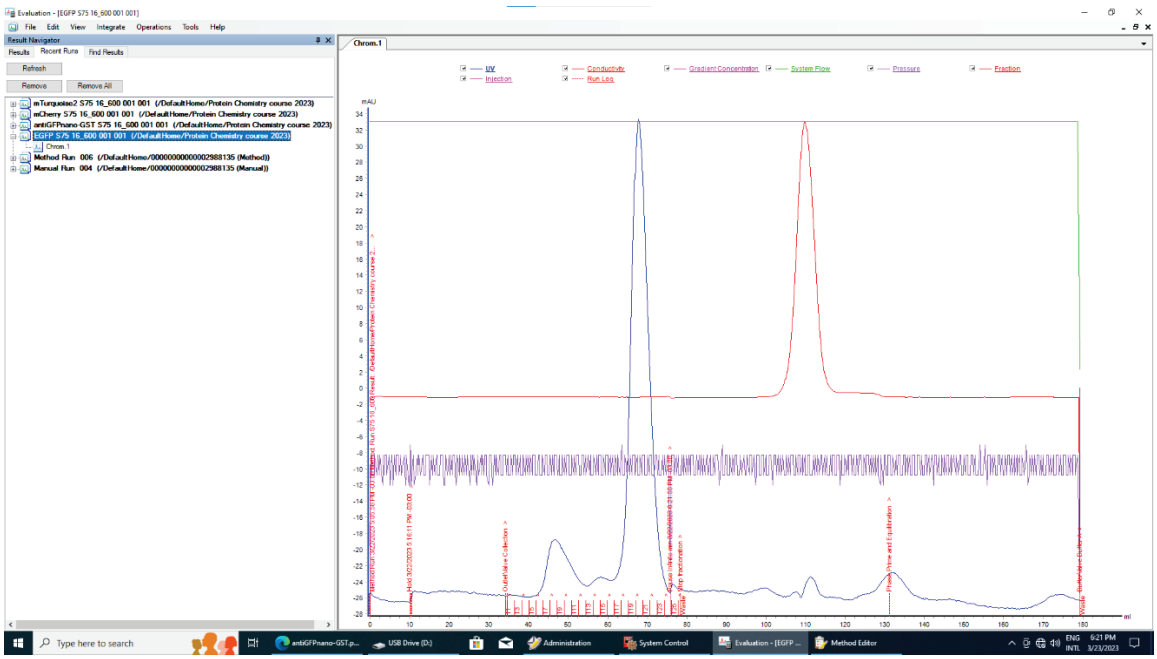
- Make sure system is not flowing
- Check injection valve is on 'Load Sample'
- Wash loop with >2 loop volumes of buffer - **DON'T REMOVE SYRINGE**
- Switch injection valve to 'Inject to column'
- Swap buffer syringe for syringe with sample - **DON'T INJECT**
- Switch injection valve is on 'Load Sample'
- Inject sample - **DON'T REMOVE SYRINGE**
- Start run
- Remember to follow instruction on screen to switch injection valve to 'Inject to column'
    - Set a timer so you don't forget to switch the injection valve to 'Load Sample' when called to by the program (after 10 min for a 16/600 column)

Cleaning a 16/600 Gel Filtration column

- Place the sample tube in 0.2 M NaOH (50 mL)
- Method Run > Pre Defined > System Preparation > Pump Wash
    - PumpWashInlet = Sample
    - PumpWashVolume = 4 mL
    - No Result
- Place buffer line A into MQW (>400 mL) and line B into storage buffer (>200 mL)
    - Storage buffer is 20% EtOH for most columns
    - Storage buffer is 20% EtOH, 0.2 M Sodium Acetate for S75 16/600
- Method Run > User Defined > Shared Methods > Sxx 16_600 > CIP and store in EtOH
- After run, prime sample pump in 20% EtOH (as above)
- Remember to unclip the pump once you're finished

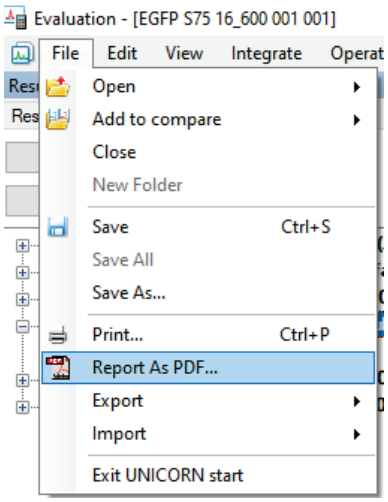
Exporting your data

- Start the **Evaluation** software and open up your data file (chromatogram)



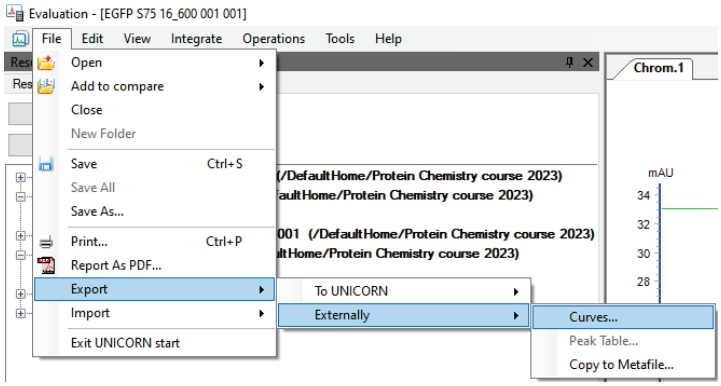
To export a PDF:

- Click on `File > Report as PDF`

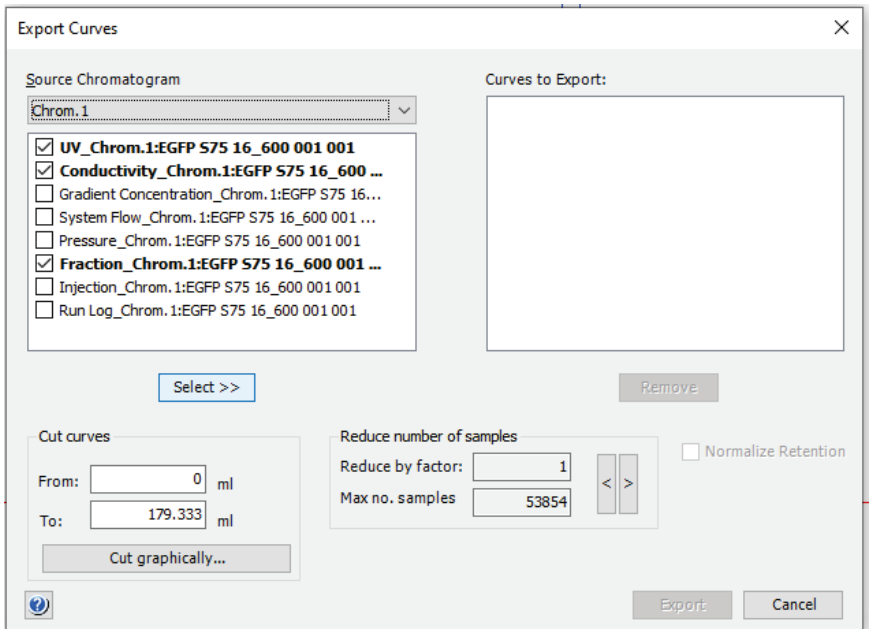


To export the raw data (as .csv file, for plotting in Excel):

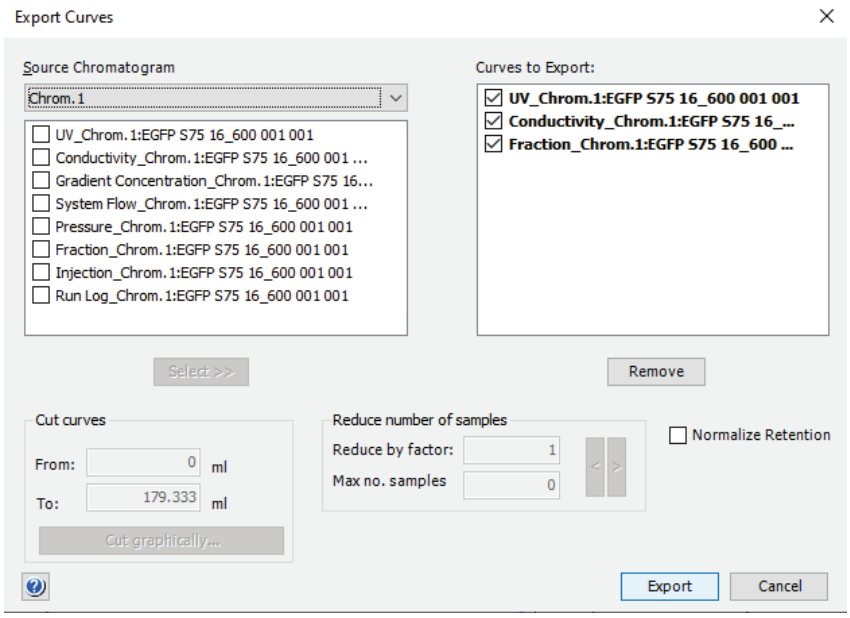
- Click on `File > Export > Externally > Curves`



- Select the curves of the chromatogram you would like to export (***UV*** plus potentially ***Conductivity*** and ***Fraction***) and then press select



- Click `Export`



- Make sure you select Comma Separated Values (*.csv) as the file type