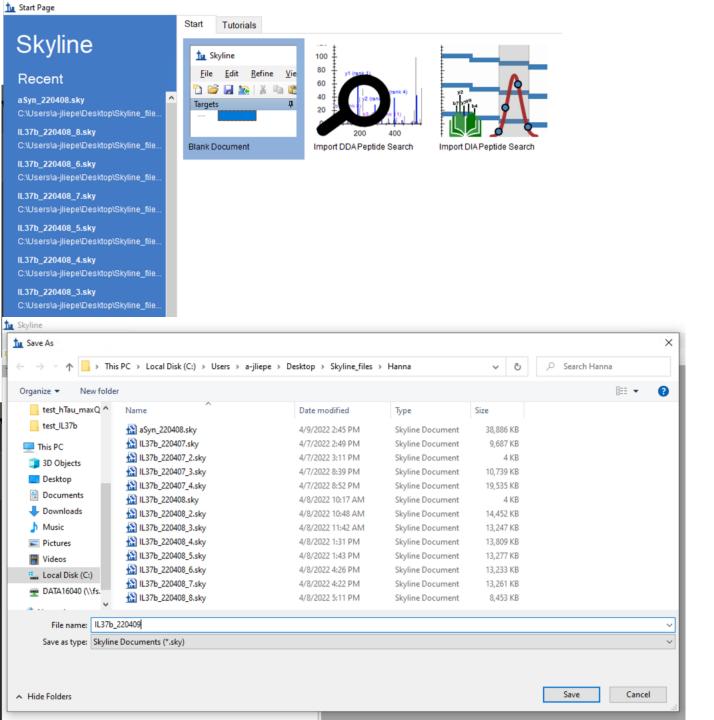
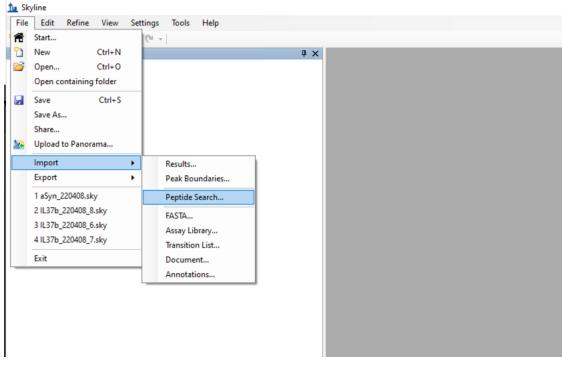
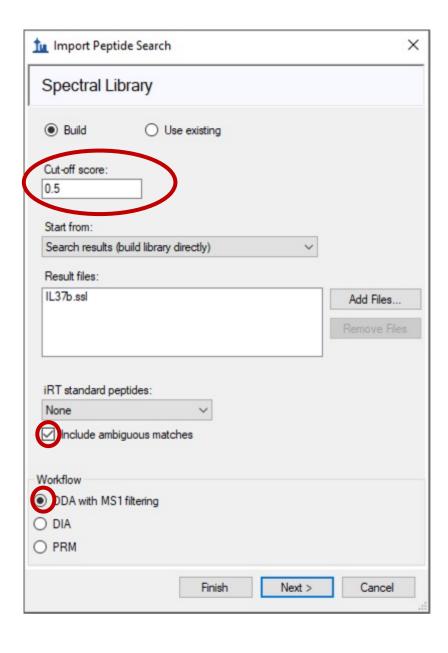
Skyline tutorial

Relative quantification of inSPIRE assignments in aSPIre workflow

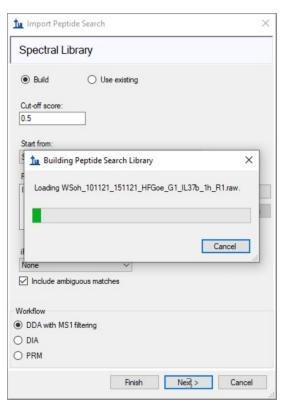


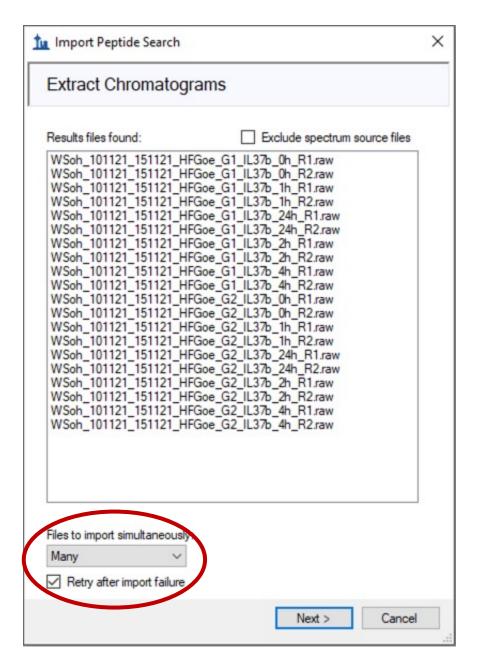


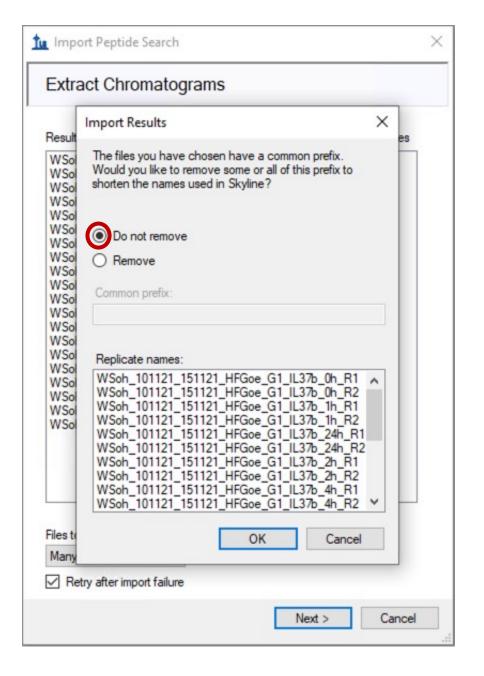
- open a blank document and save it as .sky file
- 2. go to **File > Import > Peptide search**

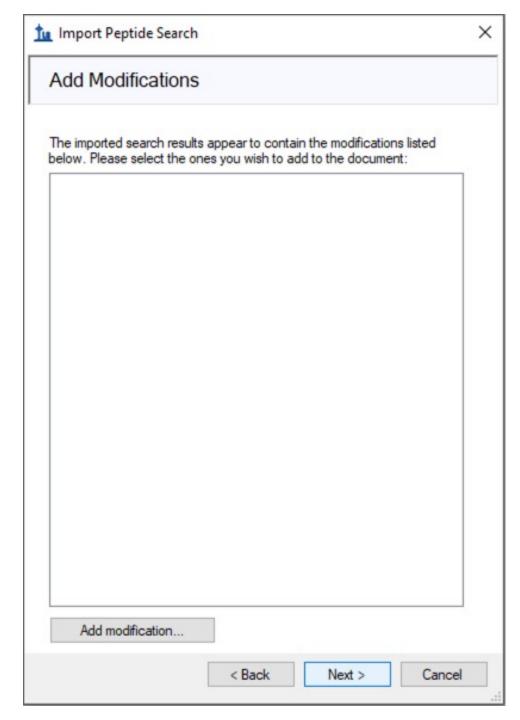


- set the cut-off score to 0.5. It is relying on the search engine's probability based score and will be automatically adjusted
- open the search results as .ssl table the .ssl has to be in the same folder as the .raw files!

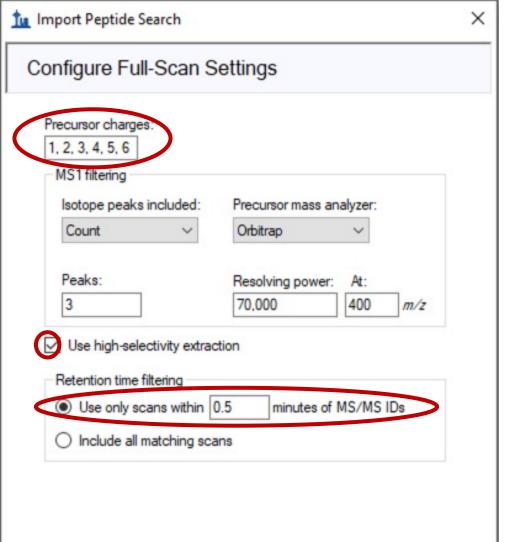








- do not add any new modifications here
- the modifications are already contained in the .ssl file and will be matched to the .raw files accordingly



< Back

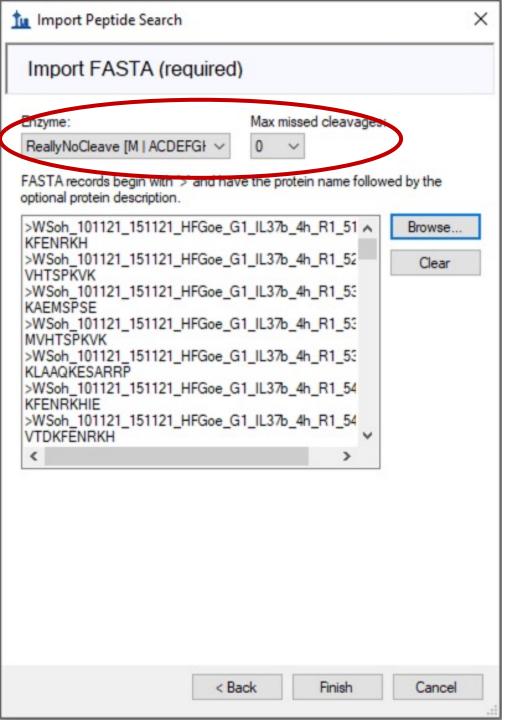
Next >

Cancel

- add precursor charge 1
- tick high-selectivity extraction

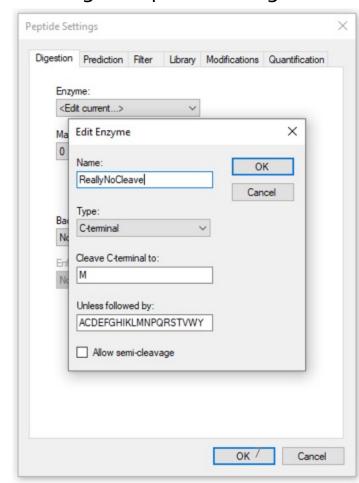
modify the retention time window

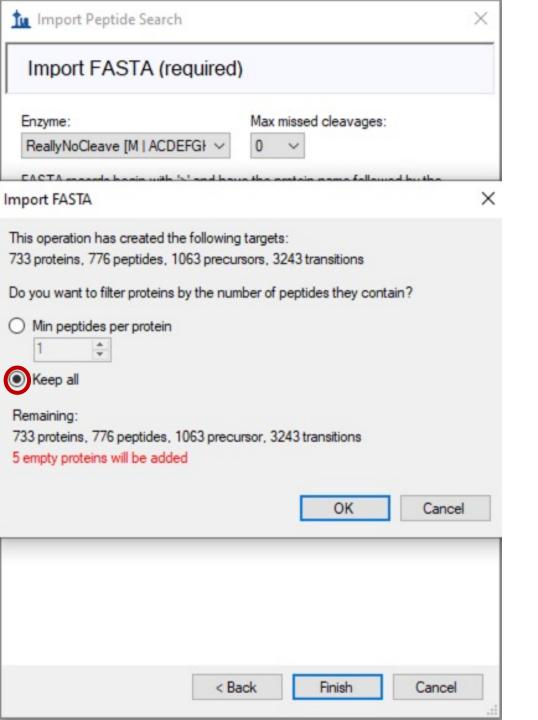
Output of the first script is the deviation of the measured from the predicted retention time. You can use this as a prior for the retention time window. Also look at the chromatigrams.

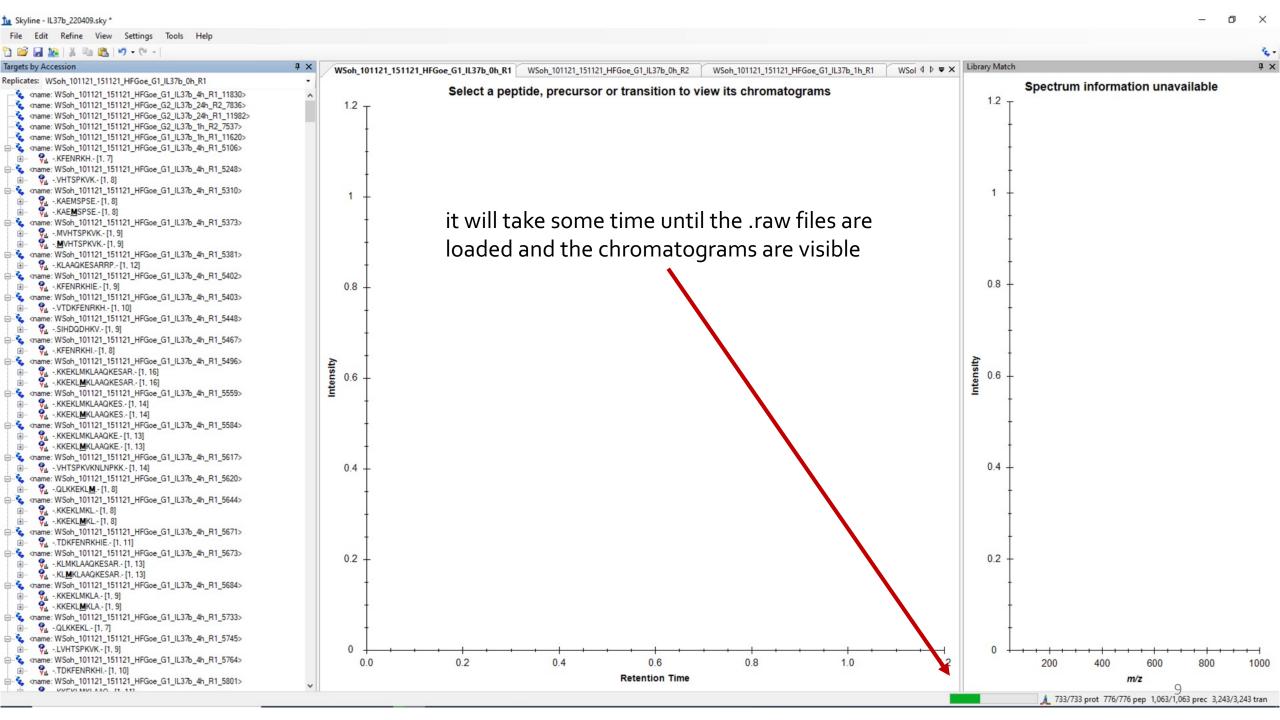


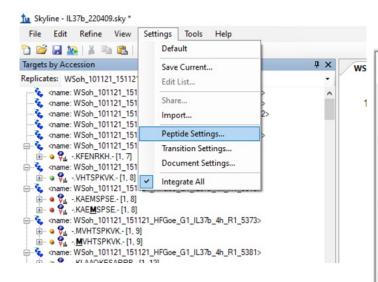
- add the enzyme "ReallyNoCleave"
- o missed cleavages
- load .fasta file with unique peptide sequences

specifications of the enzyme: Settings > Peptide Settings

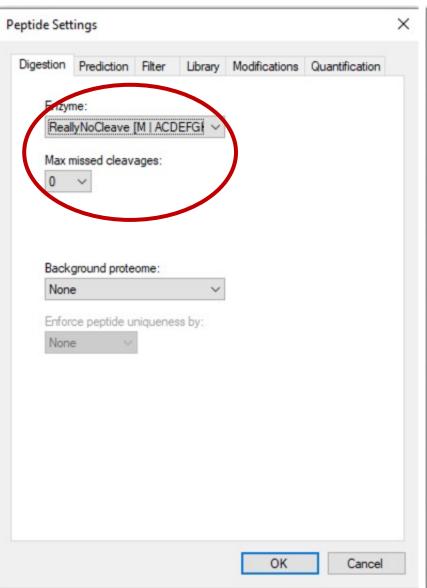


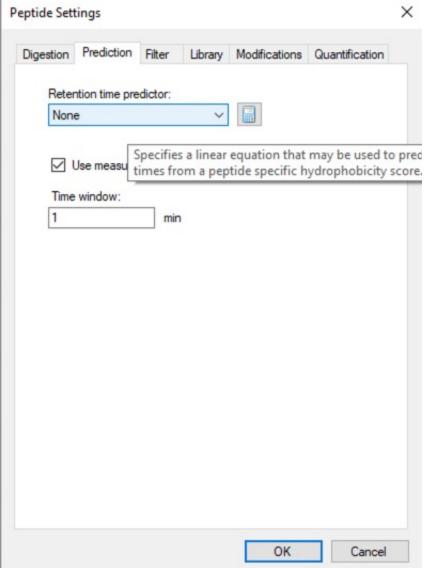


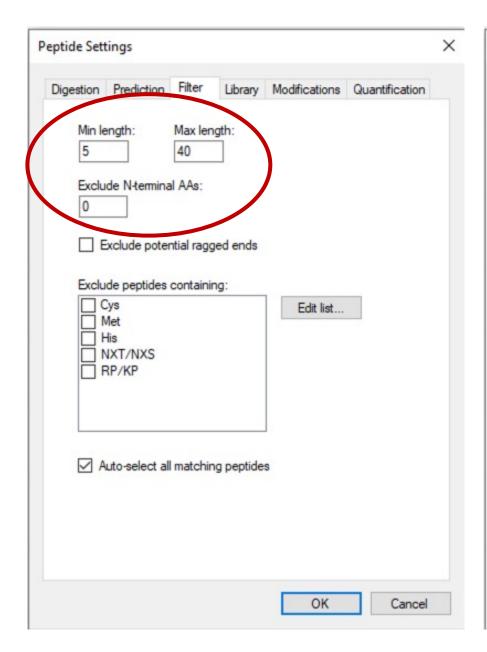


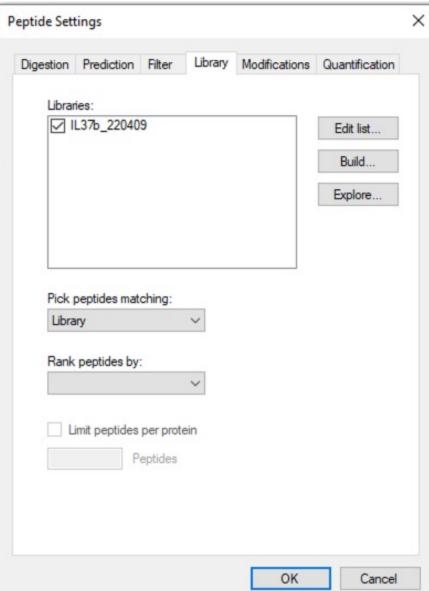


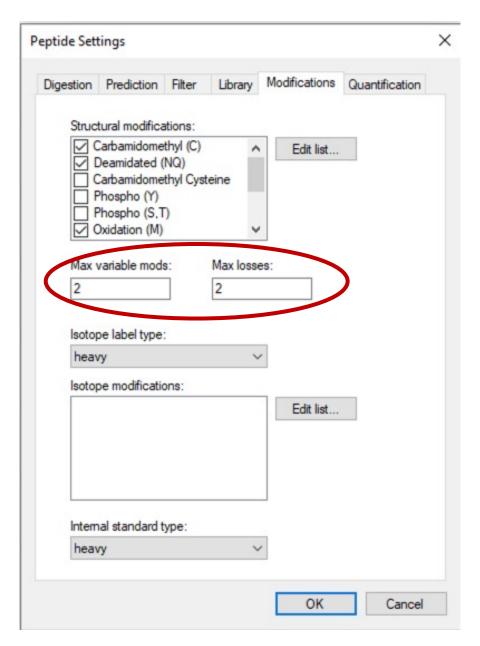
- make sure that Settings > Integrate All is ticked
- go to Settings > Peptide
 Settings and enter the
 following specifications

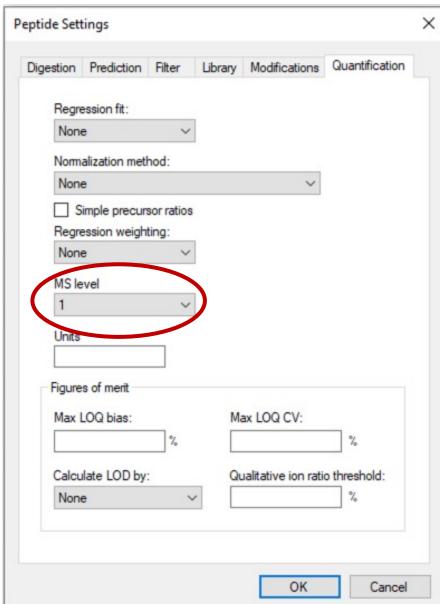




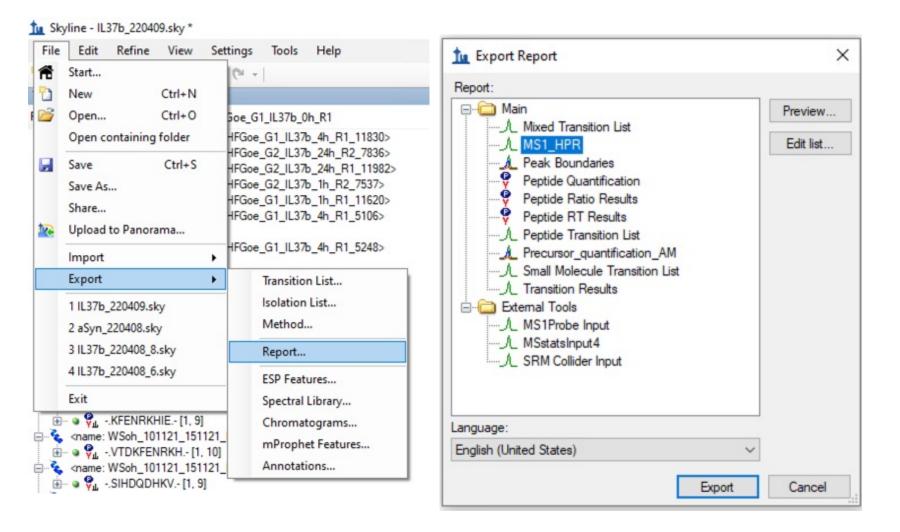








- you can view the chromatograms and MS2 spectra in the different .raw files in the GUI
- in order to export MS1 intensities, go to **File > Export > Report...**
- choose MS1_HPR



you can generate custom reports in Skyline. **MS1_HPR** contains the following info:

