5-day Course Libra Exercises

1. Using Petunia file browser open file: **c: \ Inetpub \ wwwroot \ ISB \ data \ class \ Libra \ interact.shtml**, the results of running Libra quantitation software are captured in a columns beginning with “Libra”. ”. In the viewer, select to show all entries on one page and sort the spectra by probability in descending order.
2. Under “Display Options” in the PepXML Viewer change libra values from “absolute” to “normalized” and “UPDATE” the page. What is the effect on the reported values? [ANS: normalized against the 114.1 channel]
3. Select a spectrum with high probability and click on its matched ions link. In the spectrum viewer controls check the “zoom 112-122” checkbox and click “GO”. Do the relative reporter ions intensities accurately reflect the Libra values?
4. Examine several other spectra by visually comparing the reporter ion intensities to the values reported by Libra.
5. Using Petunia file browser open the file **c: \ Inetpub \ wwwroot \ ISB \ data \ class \ Libra \ interact-prot.shtml**.
6. For several proteins in the file, compare the displayed Libra values to the Libra values of their constituent peptides. (HINT: Click on the peptide sequences to see the Libra peptide values)