1. What is the correct order for cleaning the cone in the Sonicator?
   1. Methanol; DI H2O; Formic acid
   2. 100%DI H2O; 100%Methanol
   3. **10:90 Formic acid: Methanol; DI H2O; 100%Methanol**
   4. Formic acid; Methanol; DI H2O
2. What is the purpose of adding formic acid to our Mobile Phase?
   1. To reduce the viscosity of the solvent
   2. To increase the retention time
   3. **To protonate our species thus allowing us to monitor using positive ESI**
   4. To reduce ion suppression
3. When a leak in the mobile phase occurs what changes will you see as a result?
   1. Peak retention time changes
   2. Lower head pressures
   3. Reduction of area count
   4. **All of the above**
4. T/**F**: The cone and cone gas nozzle should be cleaned weekly with formic acid.
5. T/**F**; A patient sample needs to be rerun if it has a ratio flag and its’ result is less than the AMR.
6. Zinc sulfate is added to our samples during prep for what purpose?
   1. To de-solvate the molecular ions
   2. **To crash or precipitate the proteins**
   3. To ionize the species
   4. None of the above
7. **T**/F: The lowest reportable value for FK506 is 2.0 due to our change in level 2 calibrator.
8. T/**F**: The A1 and B1 solutions are selected for the Start-Up system priming on the Xevo 1.
9. When Processing data what operations all need to be selected when looking at the calibration curve for the first time?
   1. Update Ion Ratios
   2. Integrate samples
   3. Calibrate standards
   4. Quantify Samples
   5. **All of the above**
10. Which calibrator is used as a diluent when we need to do a dilution for CSA?
    1. Cal 4
    2. Cal 6
    3. **Cal 1**
    4. Cal 2