Questions

1. What do we mean by the term "metabolomics"?
2. What are the potential applications of metabolomics in biomedical research?
3. What is the difference between HPLC and UPLC?
4. What are the factors affecting ionization of an analyte?
5. Why do we need "internal standards" in sample preparation and analysis? What sample preparation method would you apply for extracting hydrophilic compounds such as amino acids or polar glycosides?
6. What are the fundamental parameters of method validation?
7. How do you evaluate the precision of an analytical method?