**Confirmatory Tests**

1. You have tested a sample of white powder with the Scott test reagent and obtained a blue color. You think you have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but you ask the spectroscopy lab for a confirmation. They provide the following spectrum below: What is your sample?



1. Upon arresting a suspect, police find a white powdered residue in their pocket. They suspect methamphetamines and the presumptive color test with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reagent turned an orange brown color. The suspect claims it is Adderall (amphetamine) which he takes for ADHD. You ask the spectroscopy lab for a confirmation. They provide the following spectrum below: Is the suspect carrying illegal drugs?



1. You get a violet-blue color with the Marquis reagent on a sample submitted to your lab. You as the mass spectroscopy lab to check it for you, and they submit the following mass spectra below (there are two components): What is in your sample?

