

Analysis of Nepetalactone in Catnip Leaf By ASAP

The ASAP probe can be a very useful tool to examine changes in biological samples. In this example, a catnip leaf was analyzed using the ASAP probe before and after being exposed to a cold dark environment. As can be seen from the two spectra the normal leaf produces a higher level of nepetalactone than is produced in the leaf grown under cold and dark conditions. The leaf grown under cold and dark conditions shows a higher level of other compounds which may represent a defense mechanism. The mass spectra are reproducible and require only that a small portion of a leaf be briefly introduced into the hot gas stream inside the source.

Normal Catnip Leaf

