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[Quantitative Analysis of Cannabinoids in Edibles Using Thermal Desorption-GC/MS](#)

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**Abstract:**

The multimode furnace provides users with a clear picture of a sample's complexity by identifying the thermal zones and compounds in each zone. Using the obtained EGA thermogram, one can simply program the furnace with the appropriate temperature and method. This technique eliminates traditional solvent extraction and sample pretreatment as the sample is introduced into the GC/MS by the pyrolyzer. As demonstrated, the cannabinoids are thermally extracted from the mixture and are quantified. Importantly, the vertical microfurnace technology performs continuous-mode analysis in which the sample is not subjected to heat prior to analysis.

\* Excerpted from online journal website (Click the title)

**Frontier Labs Products used:**

Multi-Shot Pyrolyzer (EGA/PY-3030D)