

# Cannabis Center of Excellence

## Bioanalytical Services



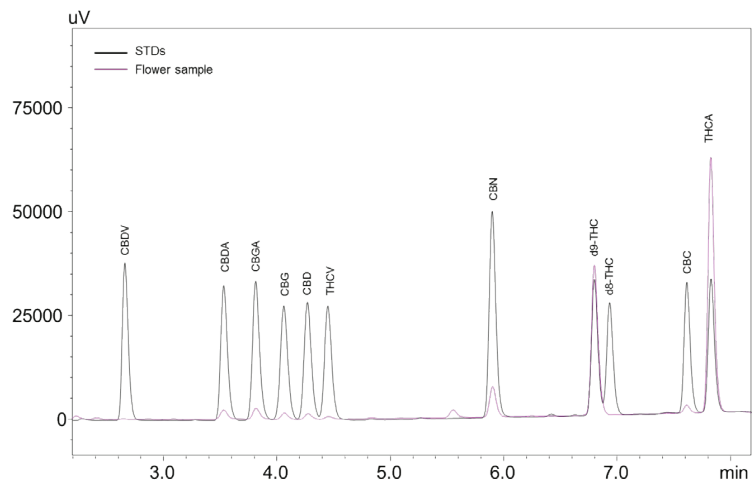
## Cannabis Analytical Lab

Syneos Health® has the full-service analytical testing capabilities needed to help licensed producers maximize speed and efficiency while keeping pace with the latest regulatory compliance demands as put forth by the Cannabis Act.

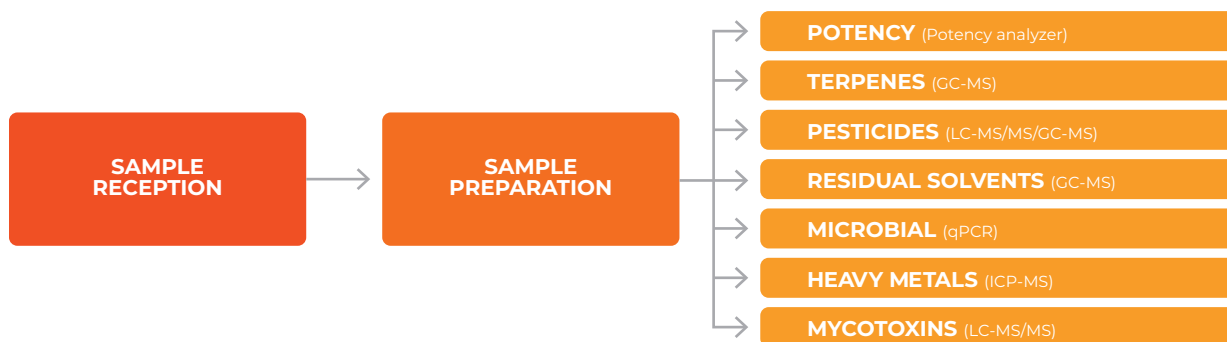
- Full line of equipment from Shimadzu
- Dedicated equipment distinct from the bioanalytical lab
- Dedicated expandable area with fully controlled access
- ISO 17025 accredited lab
- Methods fully validated
- 2- to 5-day turnaround time
- Certificate of analysis available via online portal

### High-Sensitivity Method

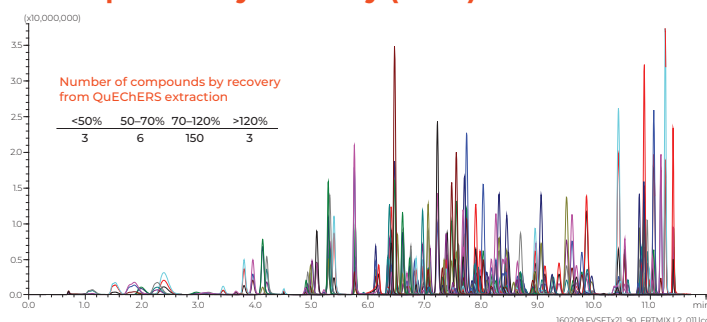
Chromatogram overlay of cannabis flower extract and a 10.0 mg/L standard mixture



# Analytical Flow Chart



## Representative chromatogram and number of compounds by recovery (inset)



- Analysis of 11 cannabinoids (potency)
- Terpenes profiling (up to 41 terpenes)
- Fast screening of up to 96 pesticides
- Rapid analysis of 10 residual solvents
- Microbial screening test (qPCR)
- Heavy metals analysis (Hg, As, Pb, Cd)
- Mycotoxins (aflatoxins)

## Cannabinoids PK Analysis

We have great experience with the analysis of cannabinoids in plasma.

### Methods Validated and Ready for Use:

- $\Delta^9$ -THC and 11-OH- $\Delta^9$ -THC, 25-25000 pg/mL
- Cannabidiol (CBD), 25-25000 pg/mL
- Cannabigerol (CBG), 50-50000 pg/mL
- 7-COOH-CBD, 250-250000 pg/mL

### Methods in Development:

- $\Delta^9$ -THC, 11-OH- $\Delta^9$ -THC and CBD in a single assay
- CBD and 7-OH-CBD in a single assay
- THC-COOH

*Methods can be modified according to your specific study needs*

Please contact us at [www.syneoshealth.com/contact-us](http://www.syneoshealth.com/contact-us) to schedule time with a representative to discuss our bioanalytical testing capabilities.

### About Syneos Health

Syneos Health® (Nasdaq:SYNH) is the only fully integrated biopharmaceutical solutions organization. The Company, including a Contract Research Organization (CRO) and Contract Commercial Organization (CCO), is purpose-built to accelerate customer performance to address modern market realities. Learn more about how we are **shortening the distance from lab to life**® at [syneoshealth.com](http://syneoshealth.com).

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