We are all familiar with the active chemical constituents of Cannabis sativa which include CBD and THC. What many are less familiar are the [100] terpenes and 112+ additional cannabinoids. Terpenes are volatile hydrocarbons found in the essential oils of plants and can have profound physiological effects on the human body. Cannabinoids are known for both their psychoactive and physiological effects.'

Research suggests that Cannabis sativa can (in the right circumstances) have positive effects. However, each strain acts differently on the body and, due to a dearth of research, we do not know which acts in what way. The broad prohibition both in time and space on cannabis use has stymied research into this arena.

This has also led to confounding issue regarding the strains themselves in that it is in general indeterminable as to whether a given strain is consistent to itself in name unless samples are known to be from the same plant. These two issues lead to the preponderance of incorrect information regarding strain effects never-mind which plant belongs to what strain.

For our purposes, we assume strains are identical and aggregate accordingly. See ”Future Work” for the anticipated future treatment to correct this simplifying, and clearly incorrect, assumption.

**The Compound Profile**

We define a compound profile as a listing of active chemical constituents present in a biological sample. Here, we are concerned with the cannabinoids and terpenes. Specifically, those listed below left:

In the interest of time, for purposes of analysis and ease of exposition, we aggregated isomer (and other) variants to arrive at the table above left.

**Future Work**

TBD