

Cannabis Data Science Meetup Adventures

“USA MA Lab shares Cannabinoid and Terpene Detection
Rates(%) and Average Detected Potency(%)”

Dec 8, 2022 Candace O’Sullivan-Sutherland

USA Massachusetts Lab screenshots were provided:

Cannabinoid and Terpene Detection Rates(%) coupled with Average Detected Potency(%)

cannabinoids.png

	d9THC	CBD	CBN	THCa	CBDa	d8THC	CBGa	THCV	CBDV	CBC	CBCV	CBT	CBDVa	CBG	THCVa	CBNa	CBL	CBCa	CBLa
Detection Rate	98.4%	2.1%	3.9%	100%	27.9%	0.6%	98.4%	1%	0.4%	3.4%	0.3%	8.3%	1.4%	80.6%	68.9%	7%	6.5%	96.3%	9.4%
Average Detected Potency	0.65%	0.46%	0.11%	18.83%	0.82%	0.19%	0.67%	0.1%	0.08%	0.09%	0.06%	0.13%	0.19%	0.11%	0.23%	0.11%	0.1%	0.25%	0.28%

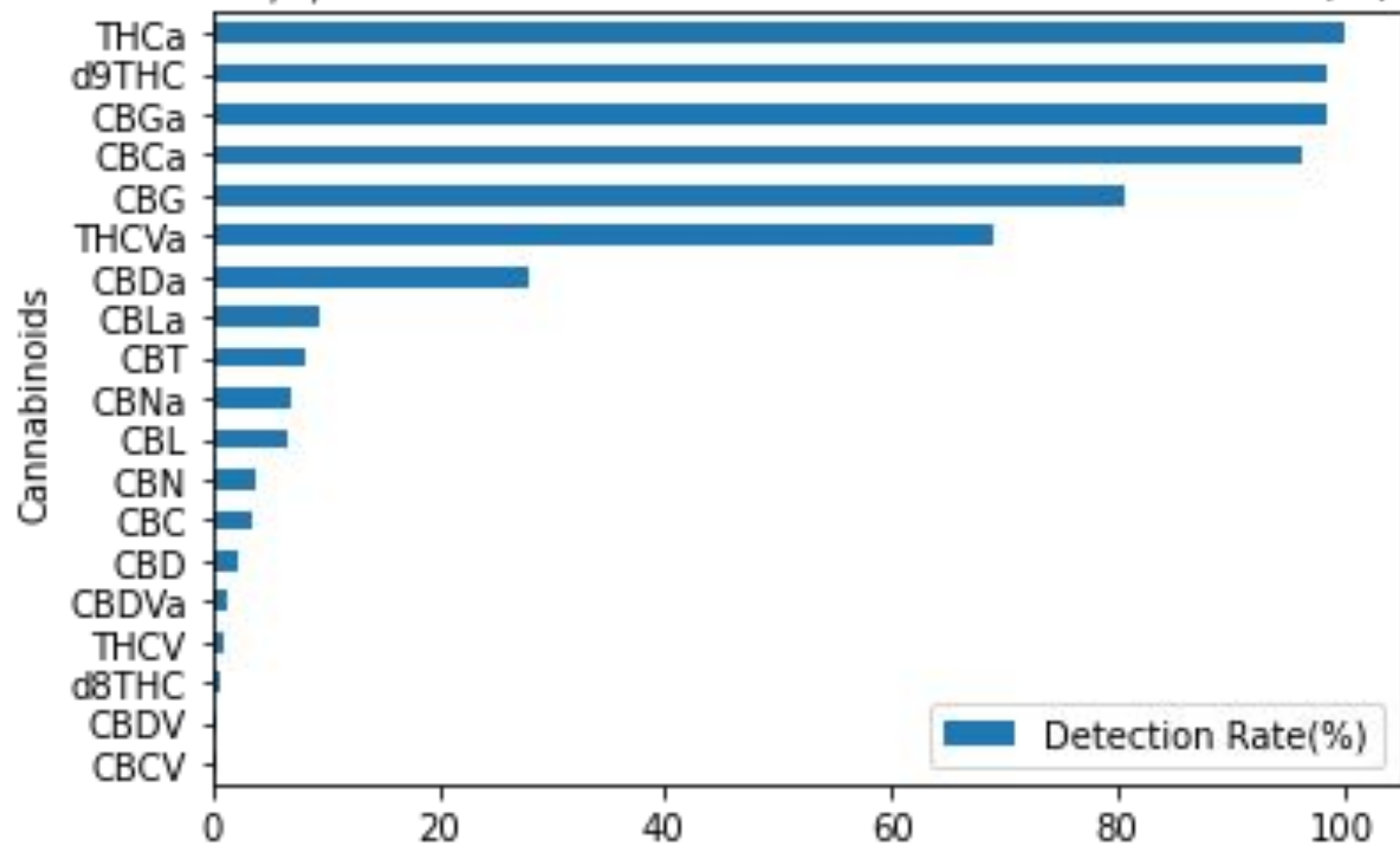
terpenes.png

	aPinene	camphene	bMyrcene	bPinene	d3Carene	aTerpinene	ocimene	dLimonene	pCymene	bOcimene	eucalyptol	yTerpinene	terpinolene	linalool	isopulegol	geraniol	bCaryophyllene	aHumulene	nerolidol1	nerolidol2	guaiaol	caryophelleneOxide	aBisabolol
Detection Rate	98.7%	87.7%	99.7%	98.2%	52.5%	50.3%	28.7%	99.3%	58.6%	70.4%	43.2%	55.7%	81.1%	96.6%	36.8%	33%	99.8%	99.7%	83.8%	95.9%	45.9%	56.8%	87.7%
Average Detected Potency	0.07%	0.02%	0.22%	0.06%	0.02%	0.02%	0.05%	0.18%	0.02%	0.05%	0.03%	0.02%	0.08%	0.08%	0.07%	0.02%	0.17%	0.06%	0.02%	0.04%	0.02%	0.02%	0.02%

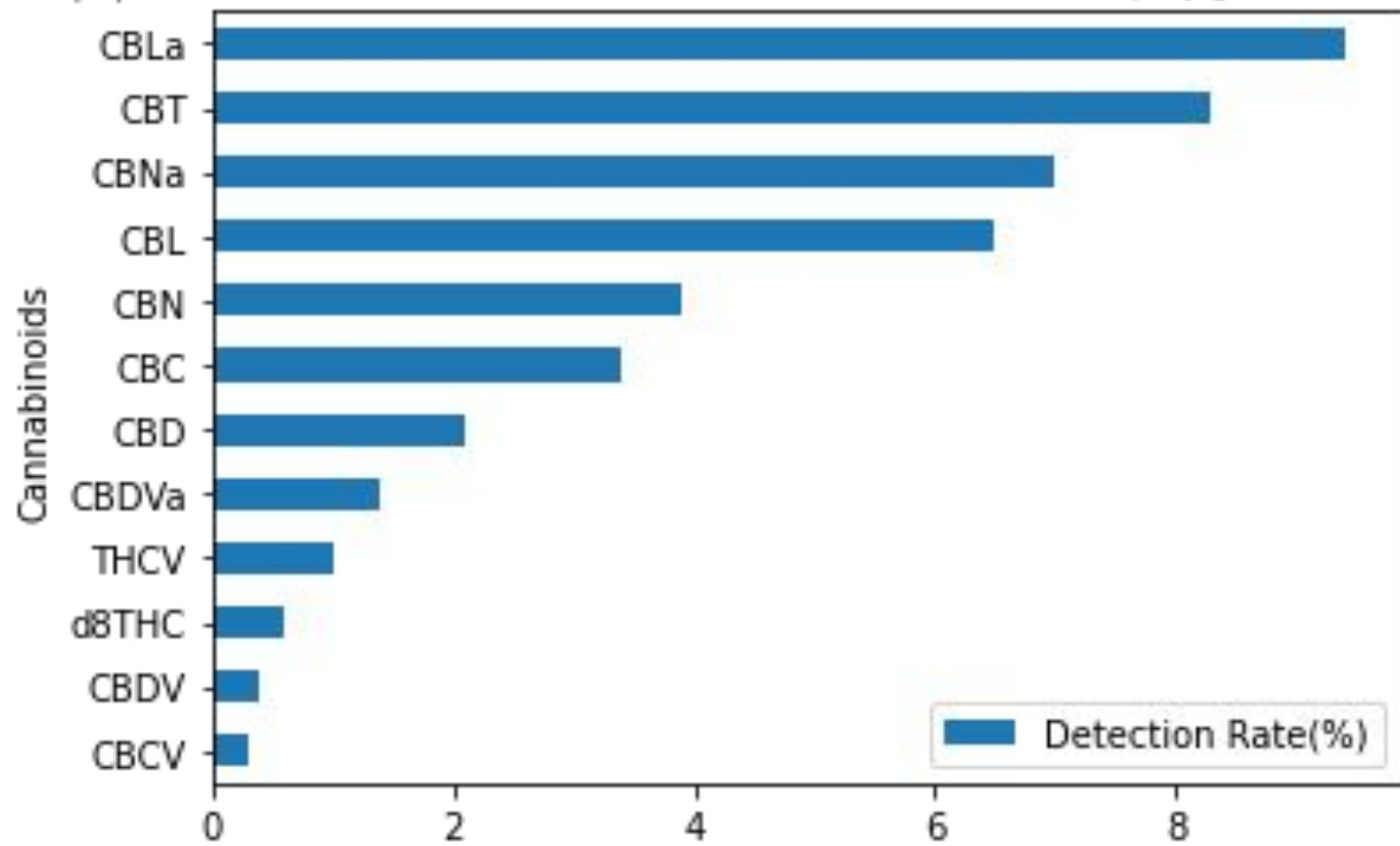
Create Python script to sort and plot the data.

https://github.com/candy-o/Cannabis_Data_Science_Research/blob/main/CannabinoidTerpeneDetectionPotency120722.py

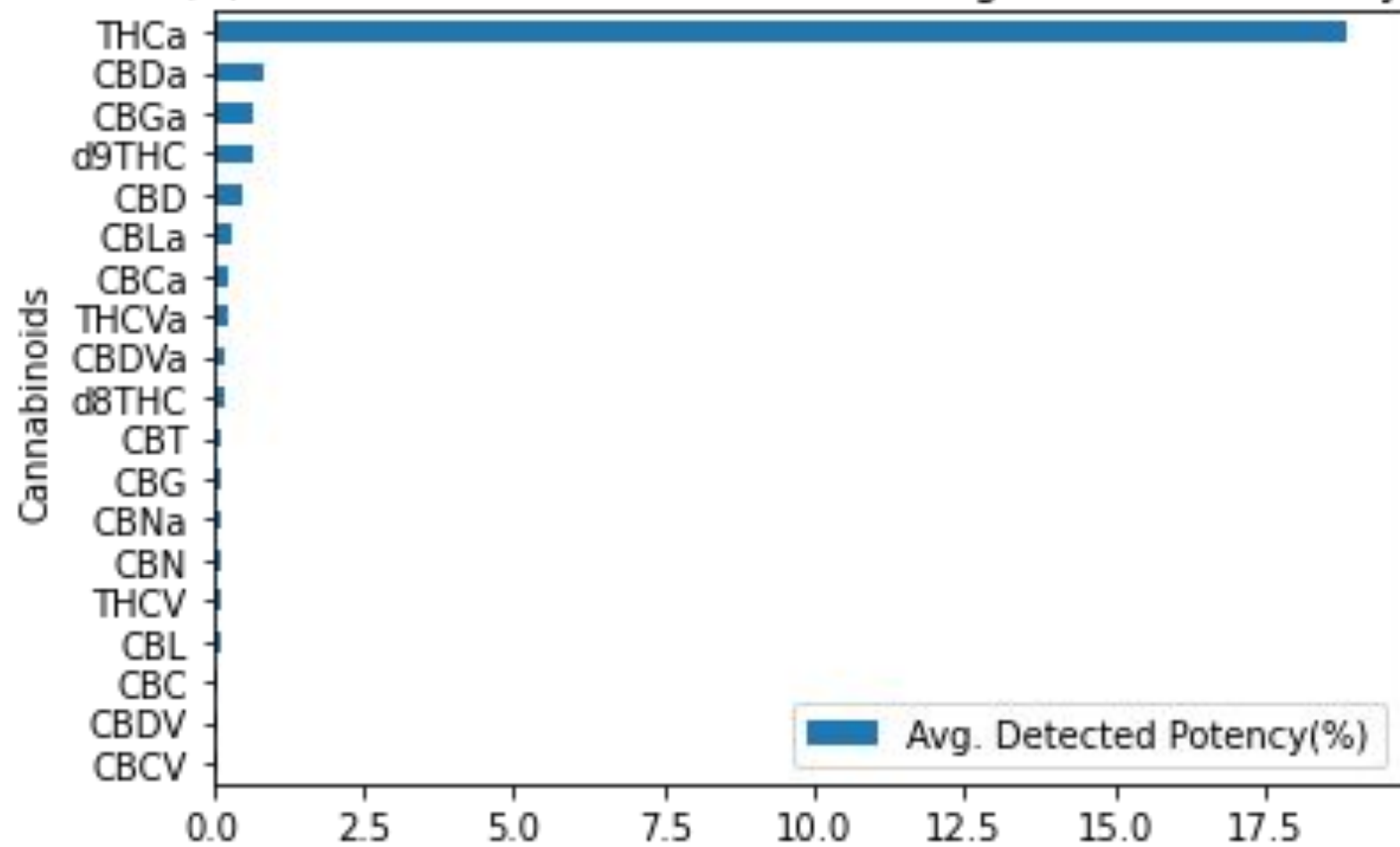
12/7/2022 USA MA Lab Cannabinoid Detection Rate(%)



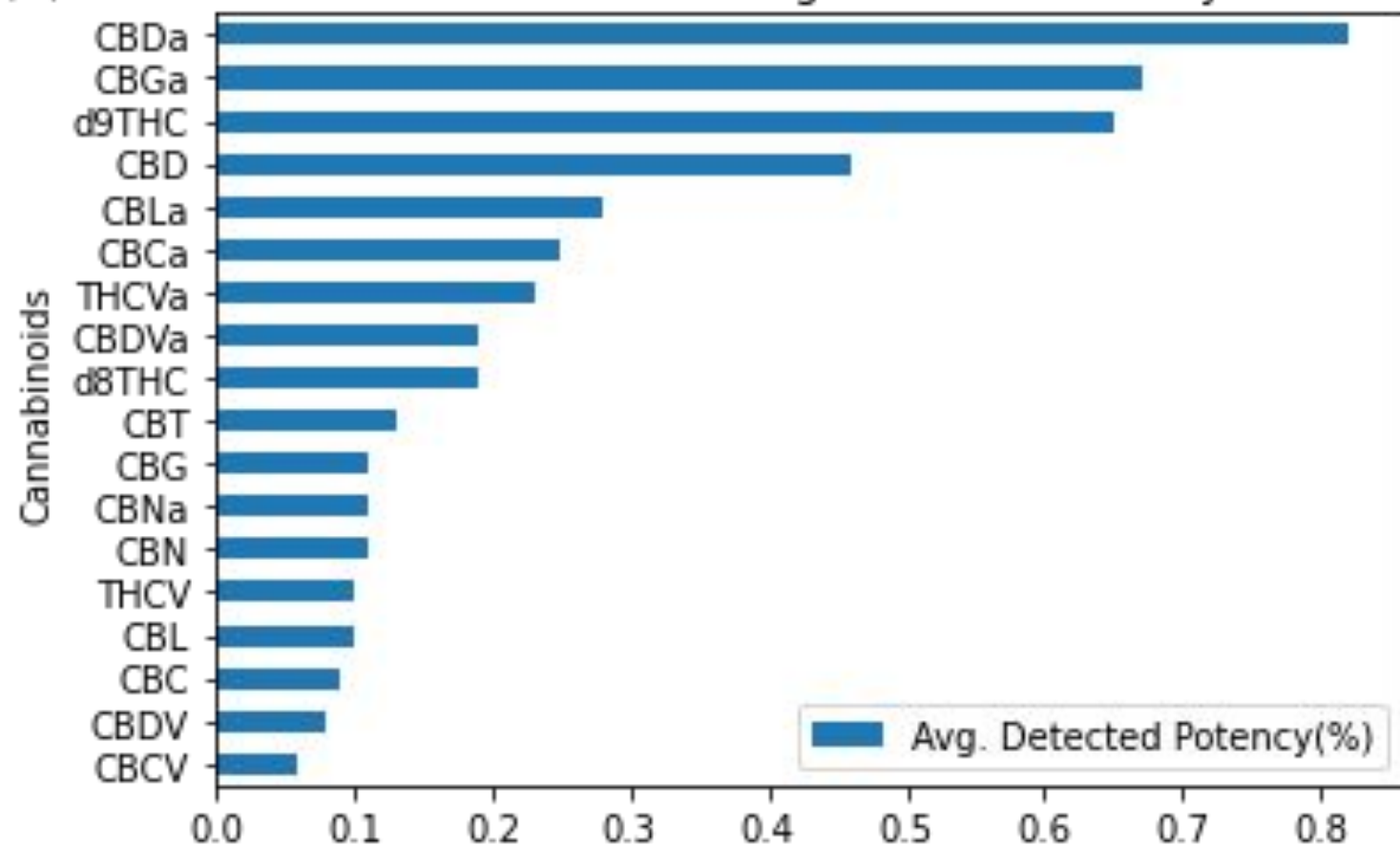
12/7/2022 MA USA Lab Cannabinoid Detection Rate(%) [removed > 20%]



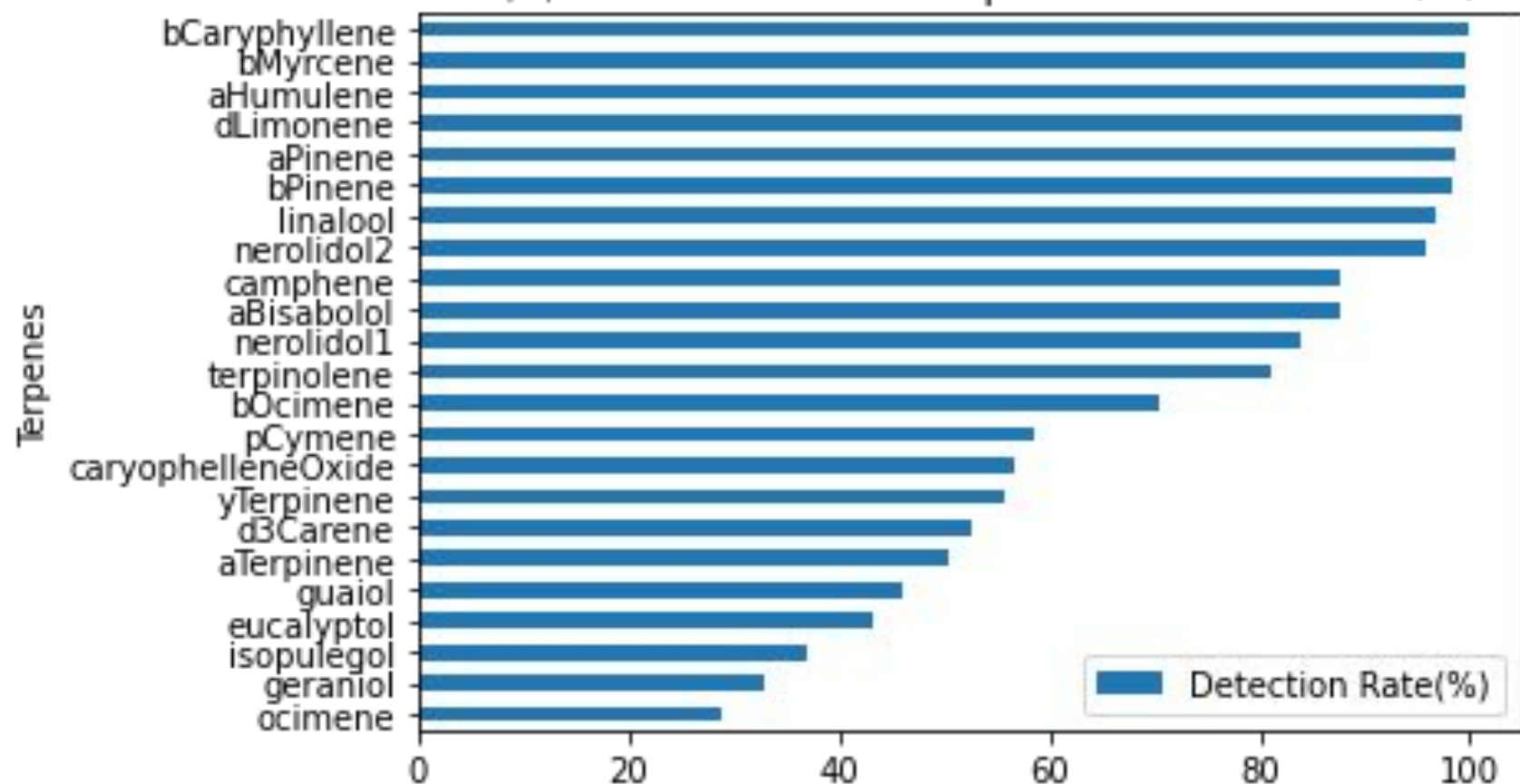
12/7/2022 USA MA Lab Cannabinoid Avg. Detected Potency(%)



12/7/2022 USA MA Lab Cannabinoid Avg. Detected Potency(%) [removed THCa]



12/7/2022 USA MA Lab Terpenes Detection Rate(%)



12/7/2022 USA MA Lab Terpenes Avg. Detected Potency(%)

