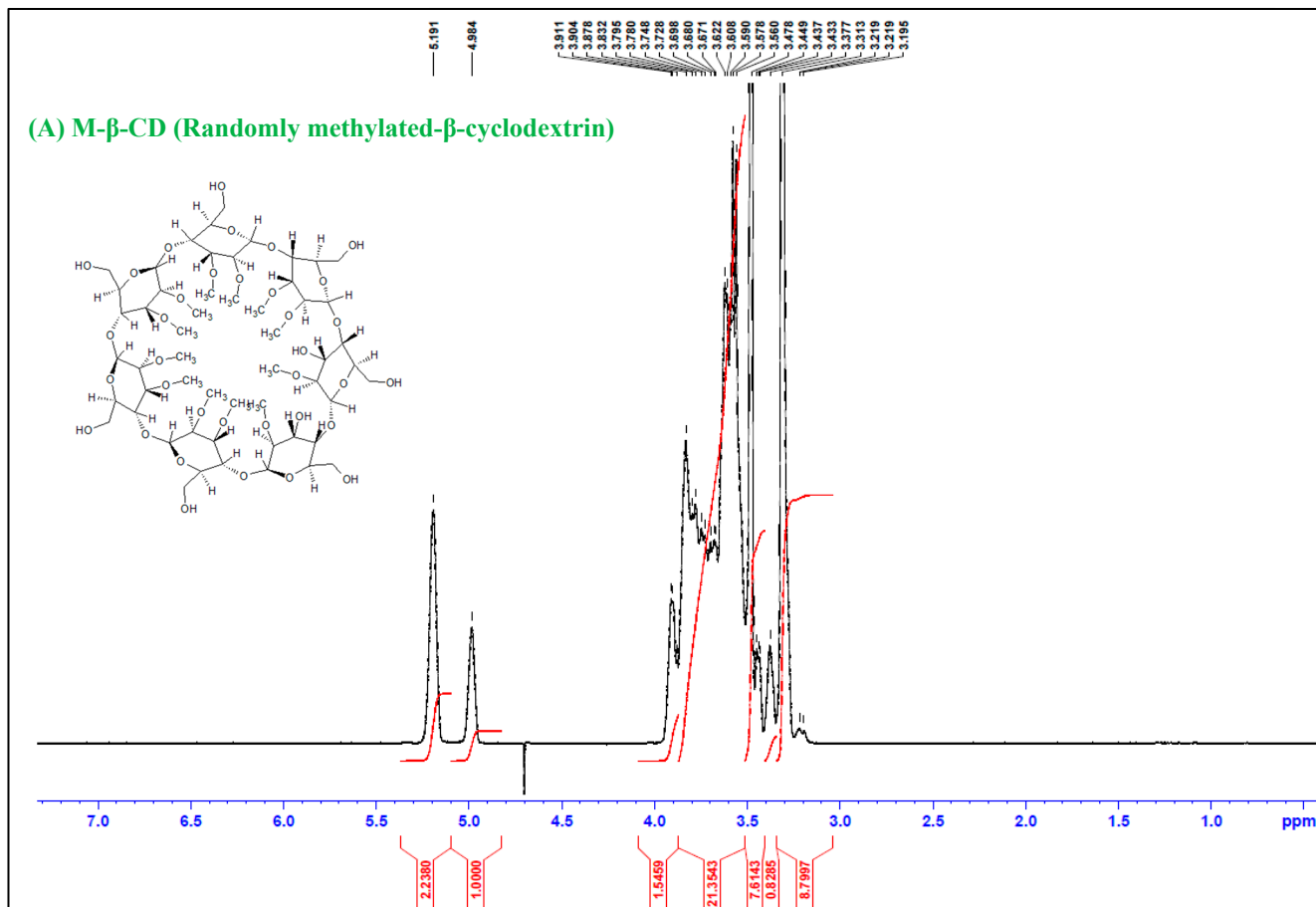


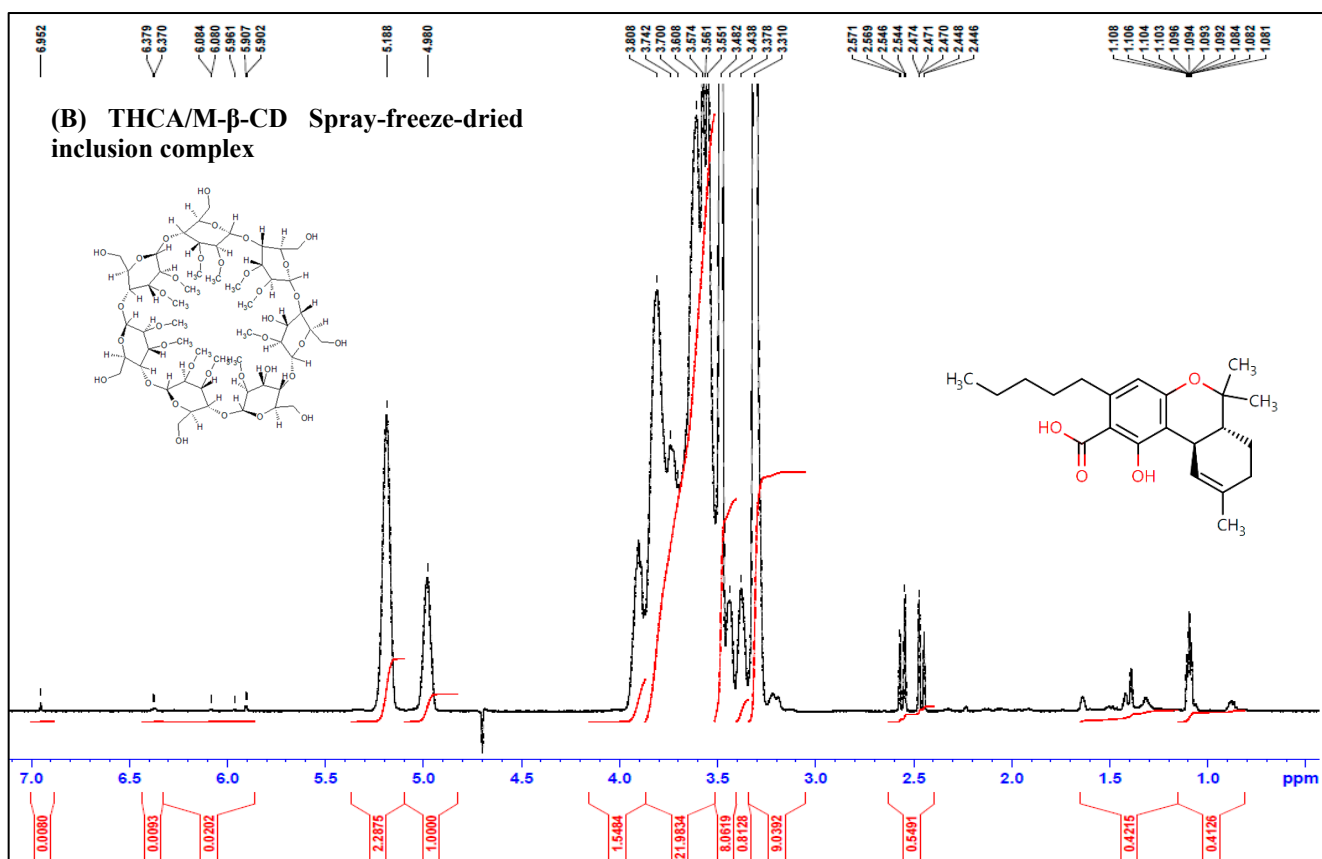
**Table S1.** pH-dependent solubility of (A) THCA and (B) CBDA with M- $\beta$ -CD complex

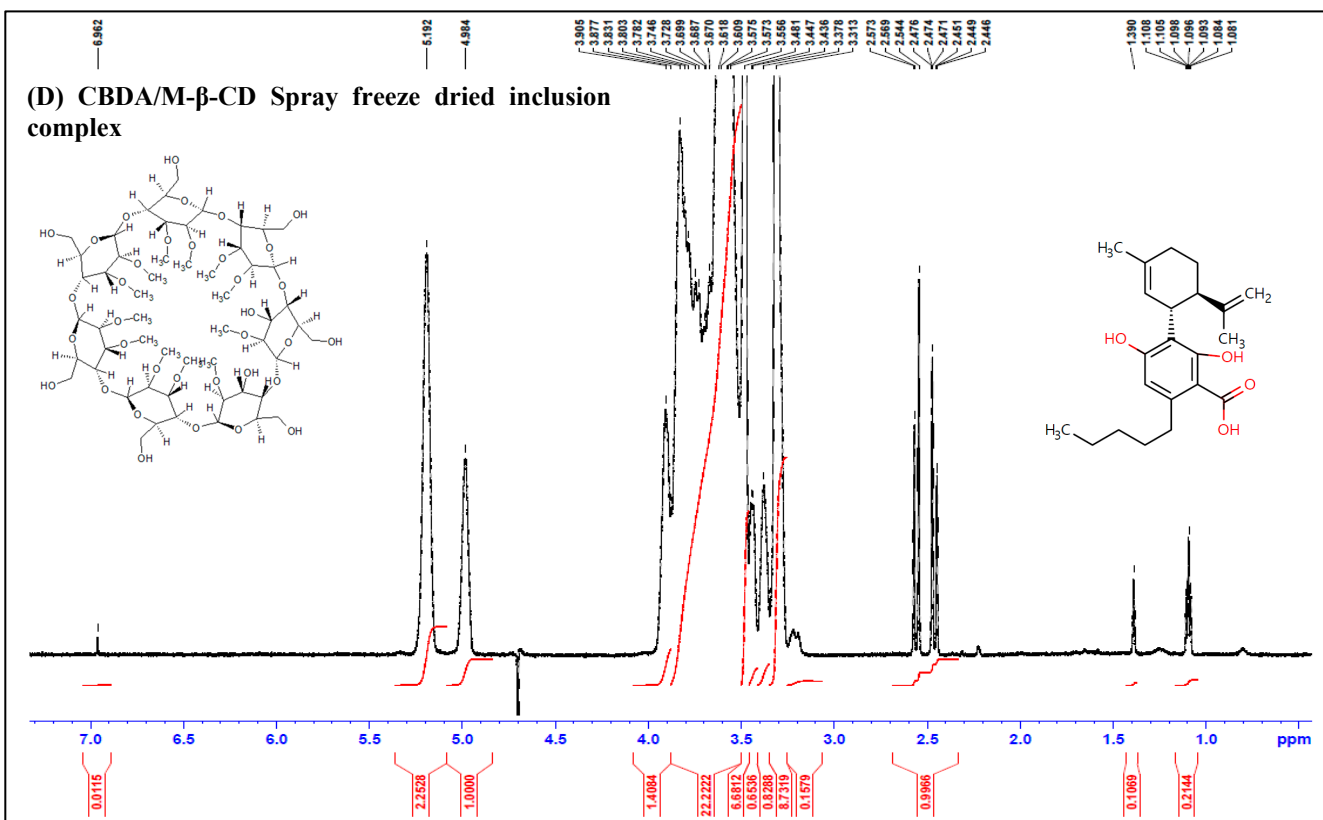
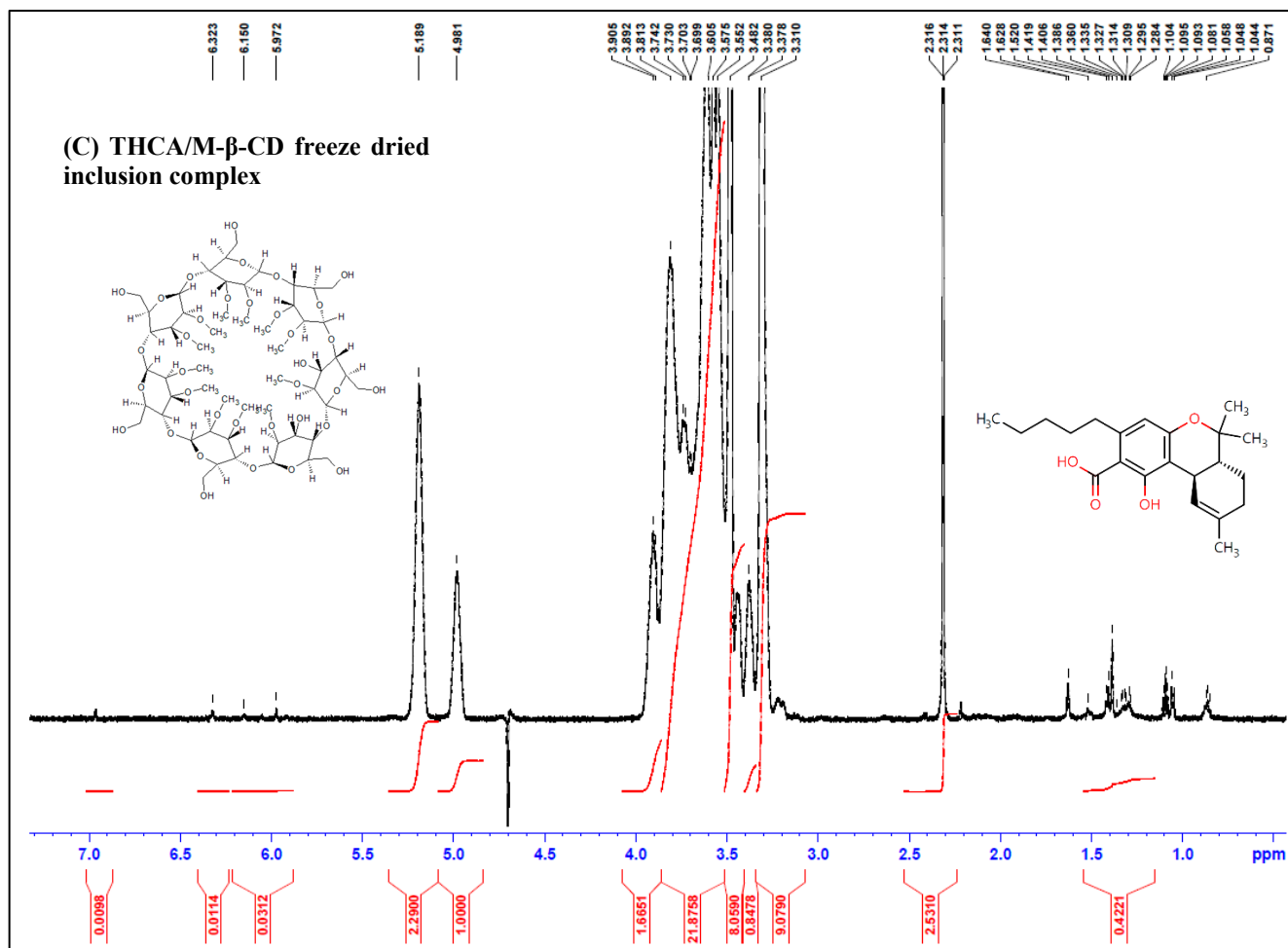
(A) THCA	
pH	The solubility of THCA ( $\mu\text{g/mL}$ )
2.34	Not detected
3.25	Not detected
4.05	$1.2 \pm 0.3$
5.10	$8.0 \pm 0.2$
7.05	$91 \pm 4$
8.01	$240 \pm 10$
9.05	$650 \pm 10$
10.31	$1780 \pm 20$
11.08	$3260 \pm 50$
(B) CBDA	
pH	The solubility of CBDA ( $\mu\text{g/mL}$ )
2.52	Not detected
3.38	Not detected
4.10	$2.3 \pm 0.2$
5.52	$10.3 \pm 0.4$
7.03	$140 \pm 20$
8.18	$300 \pm 20$
9.03	$890 \pm 10$
10.24	$2690 \pm 130$
10.93	$5220 \pm 110$

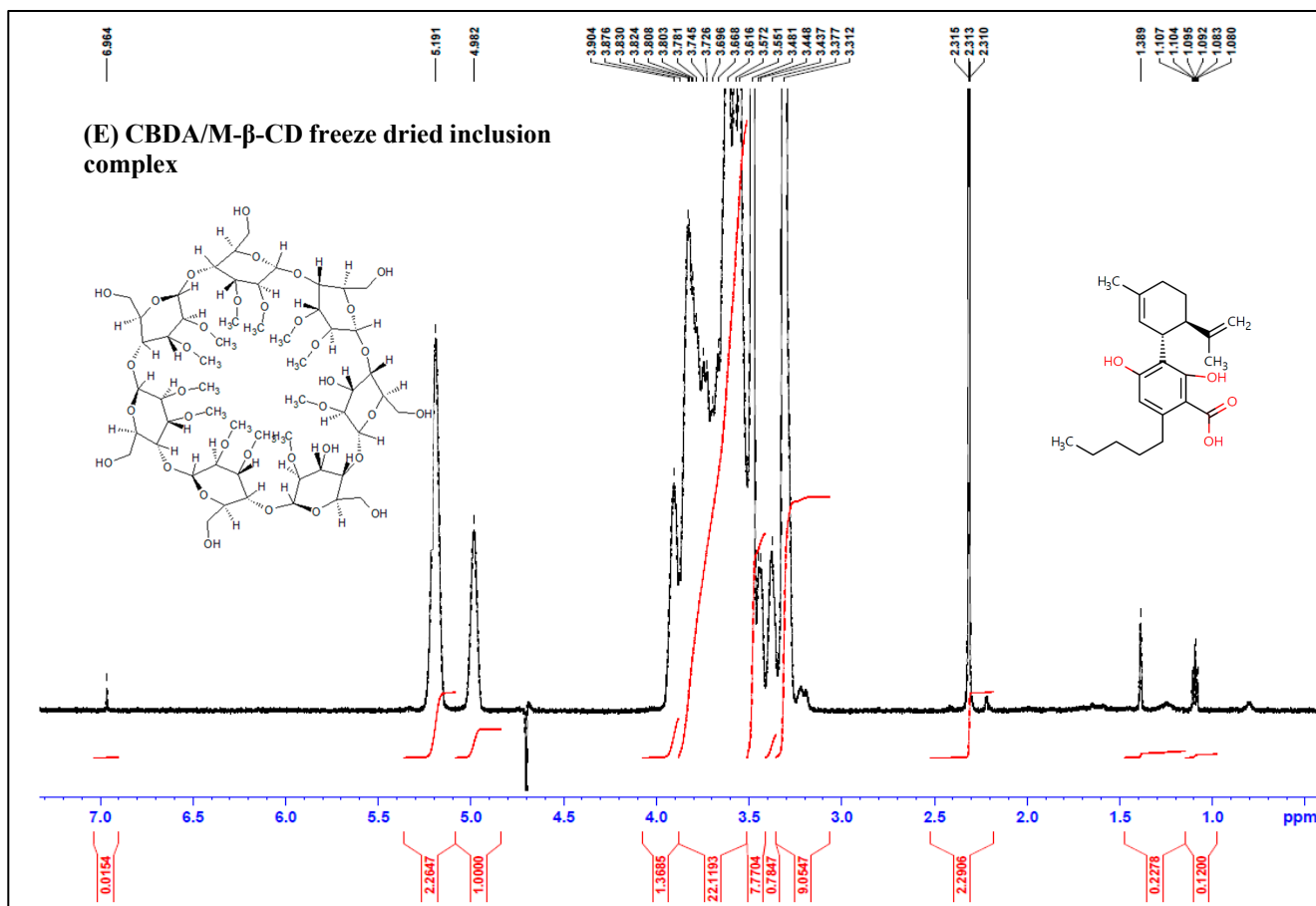
**(A) M- $\beta$ -CD (Randomly methylated- $\beta$ -cyclodextrin)**



**(B) THCA/M- $\beta$ -CD Spray-freeze-dried inclusion complex**







**Figure S1.** Enlarged version of  $^1\text{H}$  NMR spectra with (A) M- $\beta$ -CD, (B) THCA/M- $\beta$ -CD Spray freeze dried inclusion complex, (C) THCA/M- $\beta$ -CD freeze dried inclusion complex, (D) CBDA/M- $\beta$ -CD Spray freeze dried inclusion complex, and (E) CBDA/M- $\beta$ -CD freeze dried inclusion complex