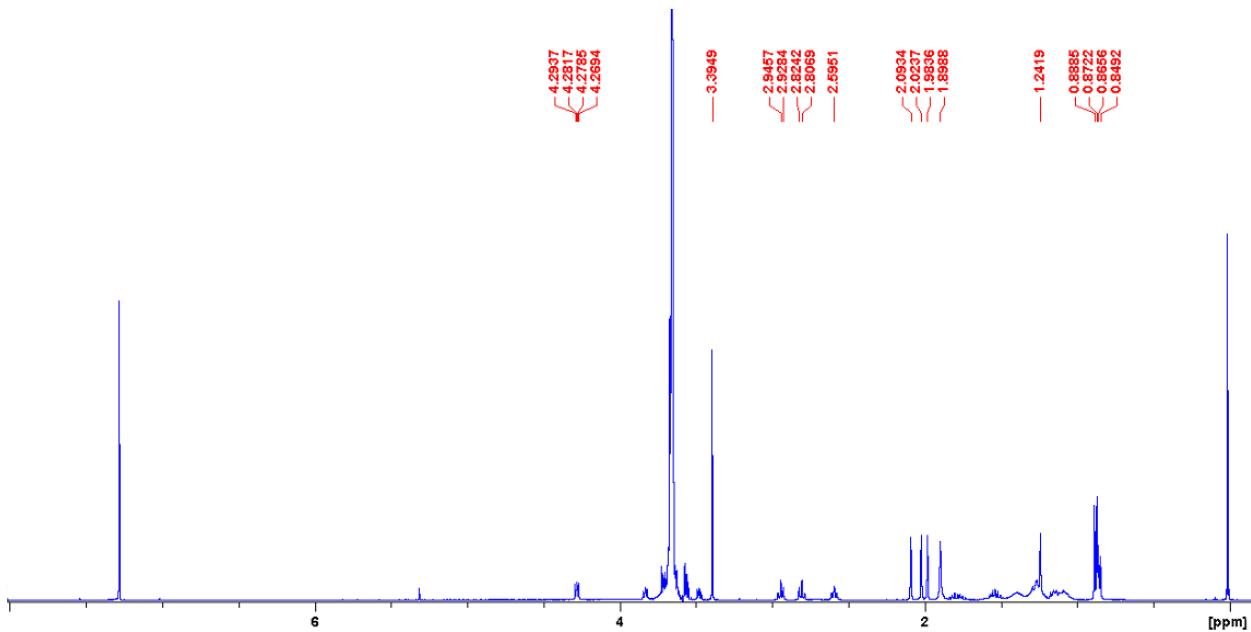
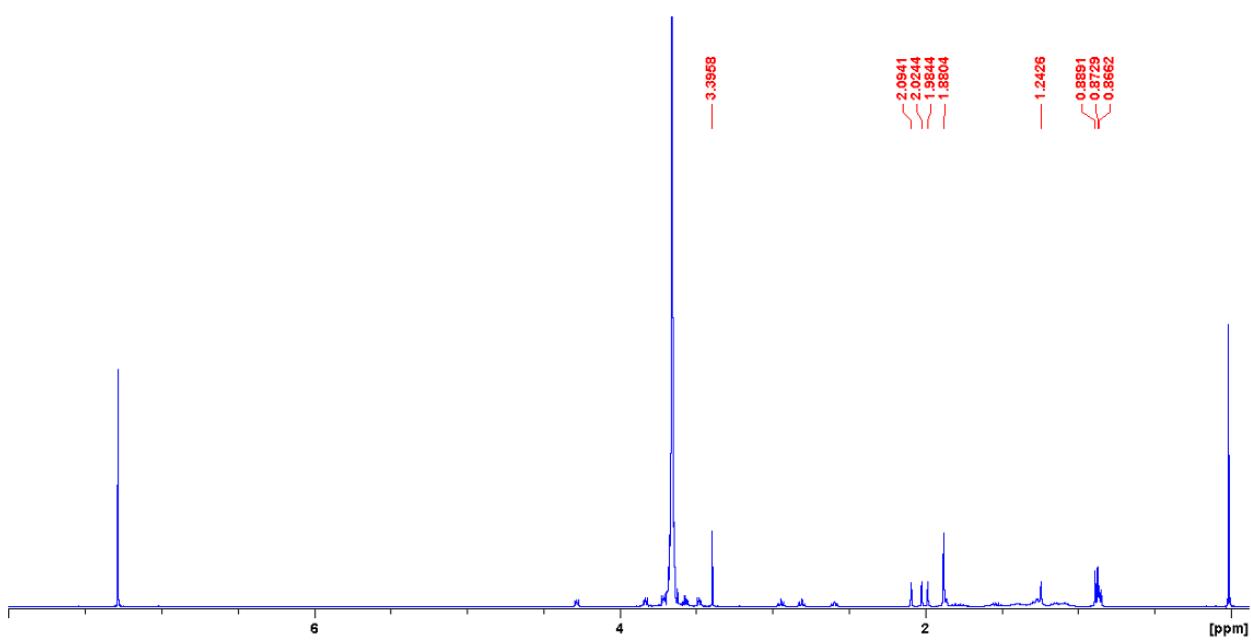


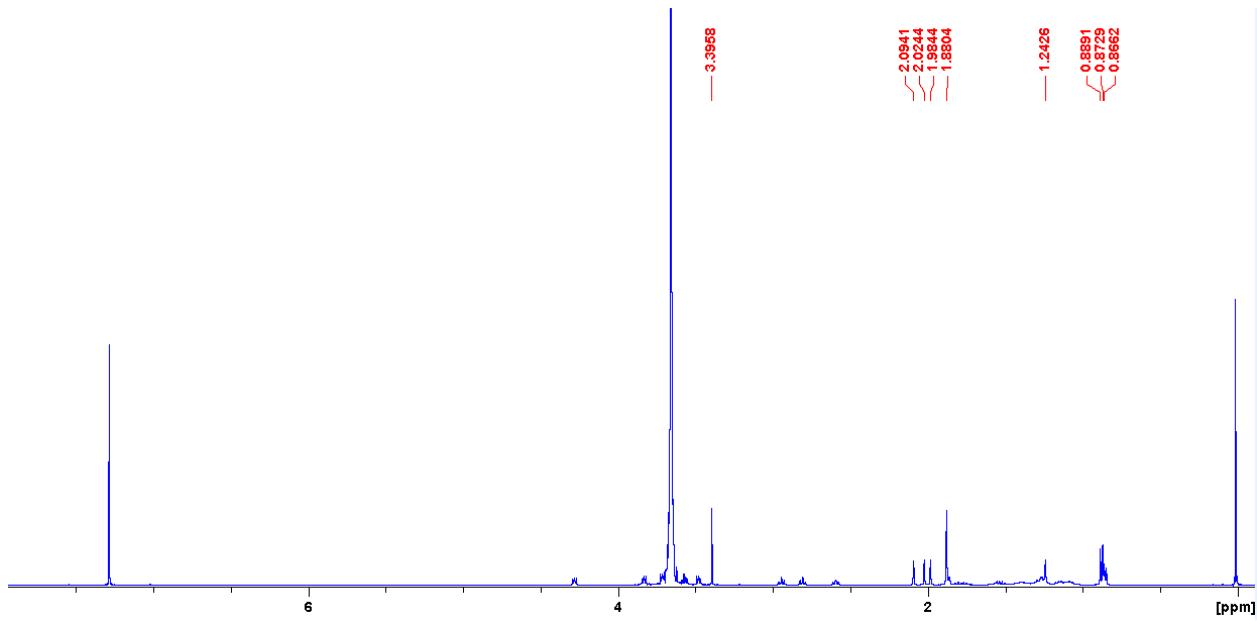
(A)



(B)



(C)



(D)

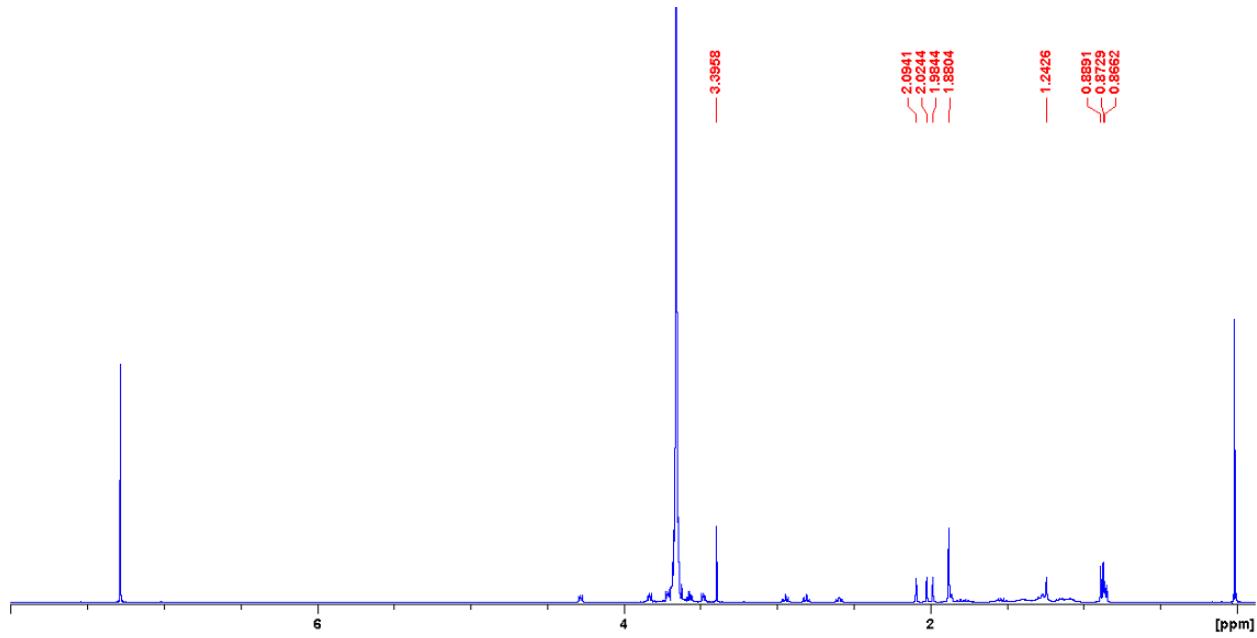
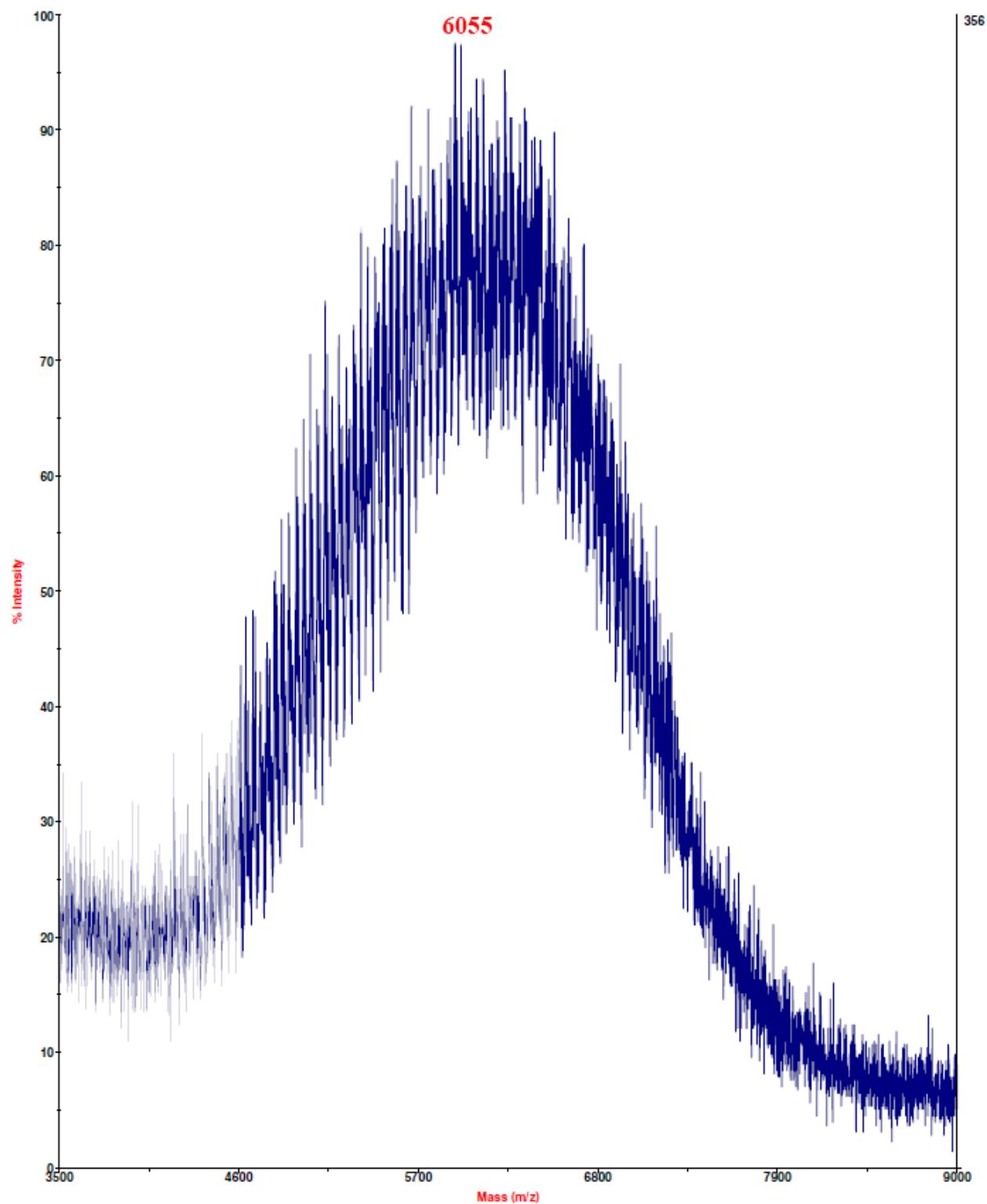
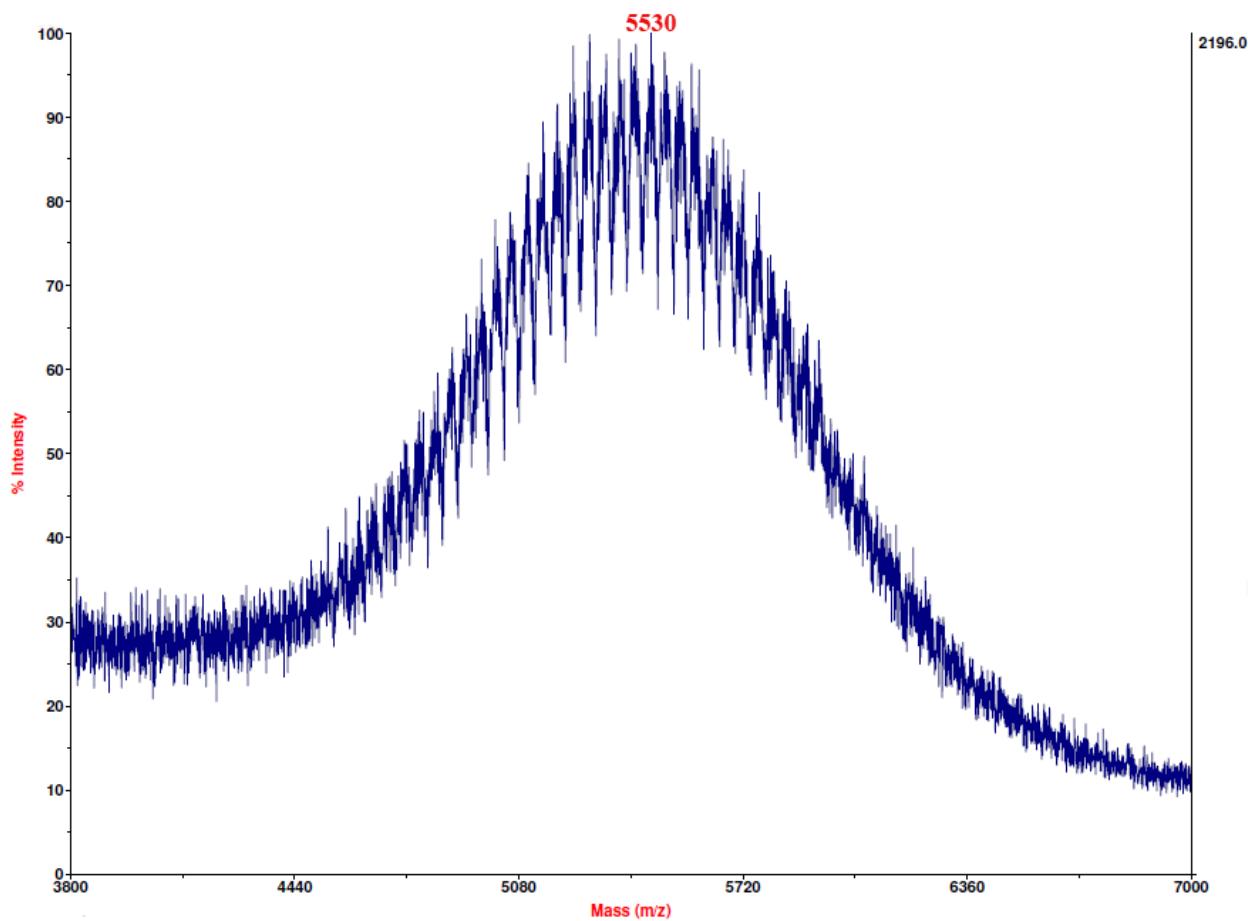


Fig. S1. ¹H NMR spectra (400MHz) of PEG_{5K}-VE₂ (A), PEG_{5K}-VE (B), PEG_{2K}-VE₂ (C) and PEG_{2K}-VE (D) conjugates in CDCl₃.

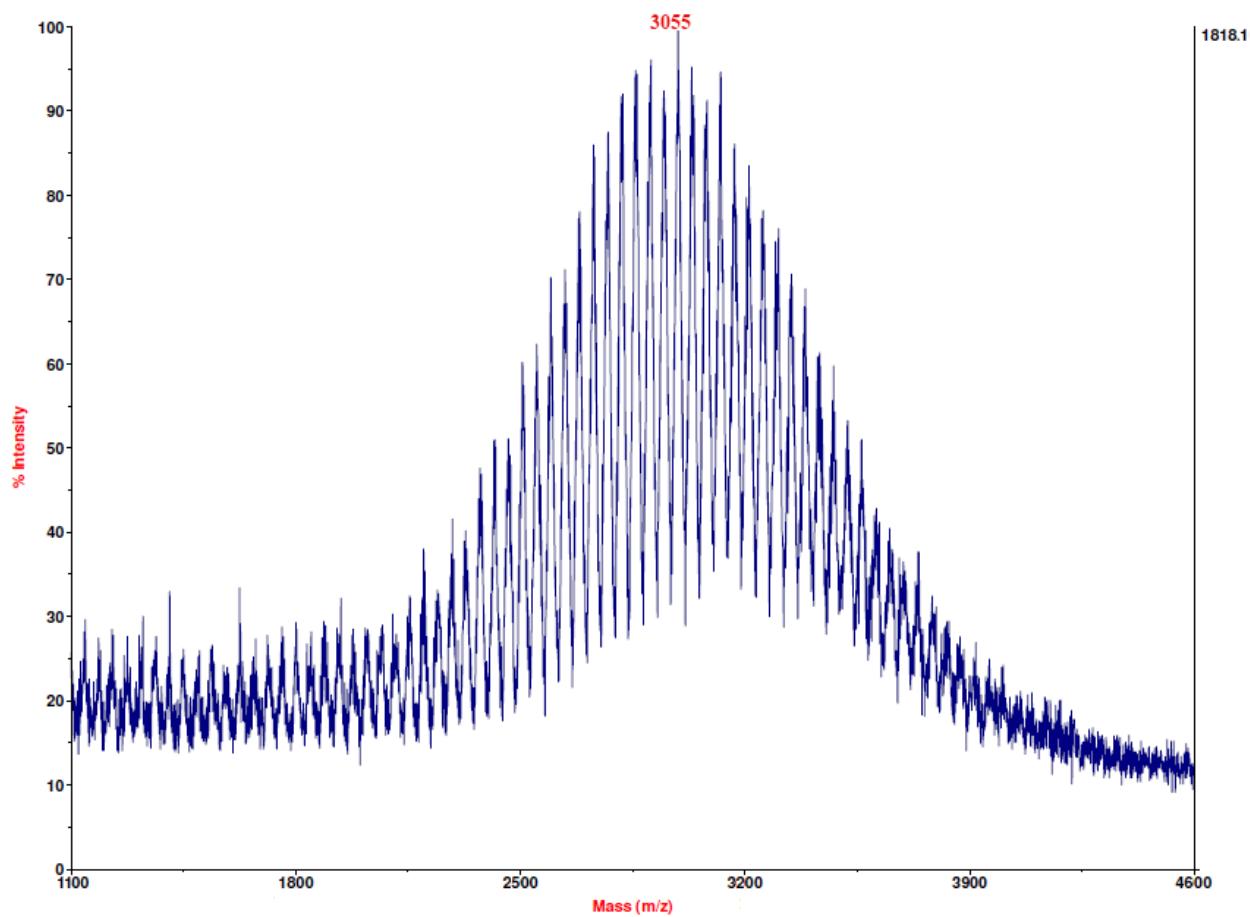
(A)



(B)



(C)



(D)

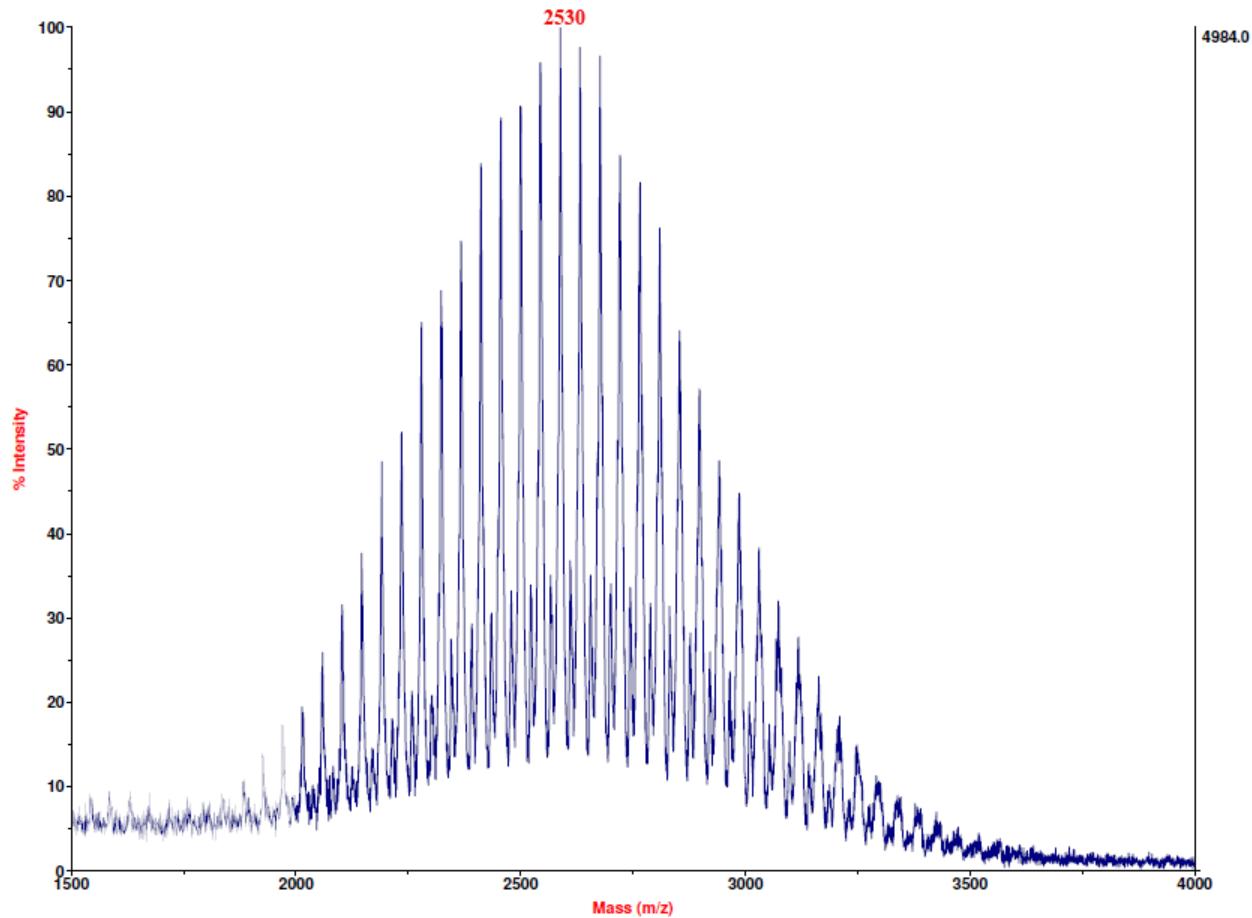
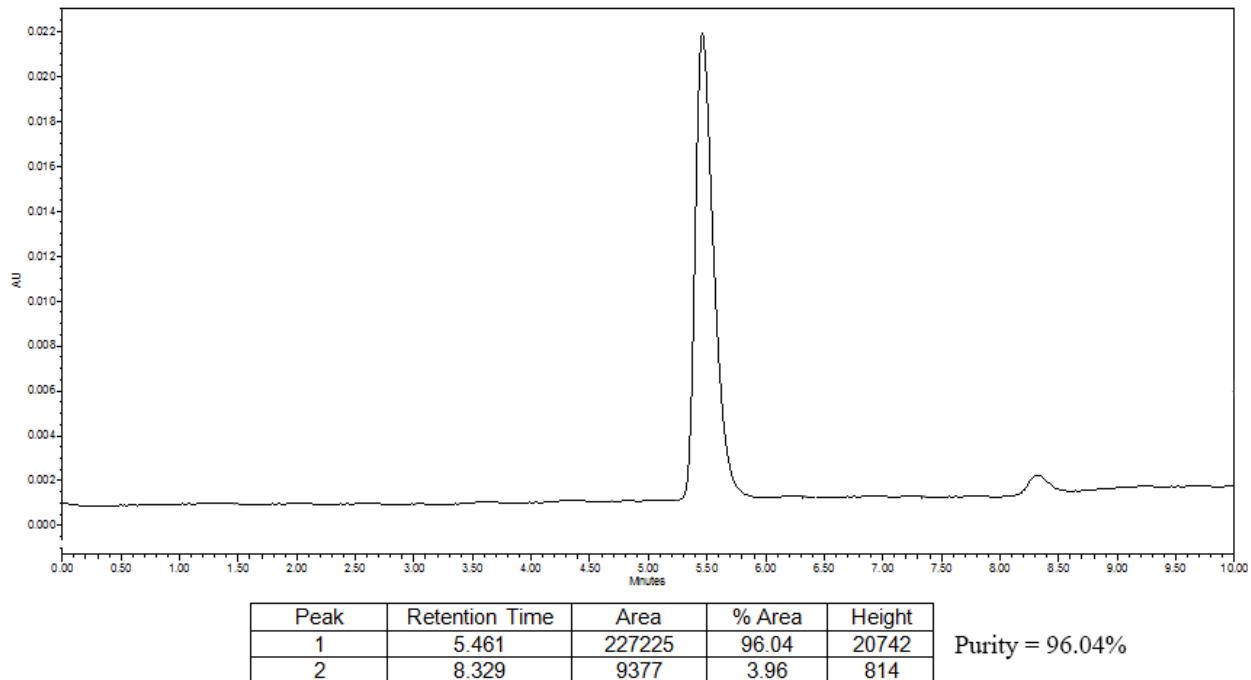
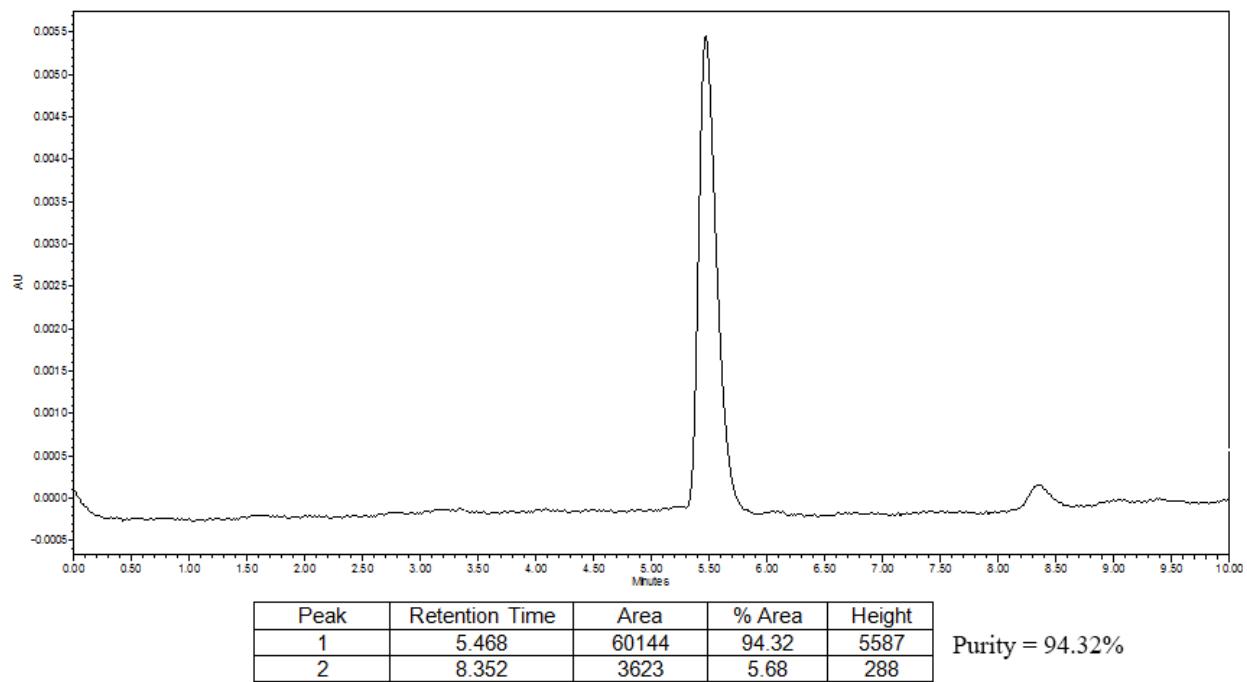


Fig. S2. MADLI-TOF of PEG_{5K}-VE₂ (A), PEG_{5K}-VE (B), PEG_{2K}-VE₂ (C) and PEG_{2K}-VE (D) conjugates.

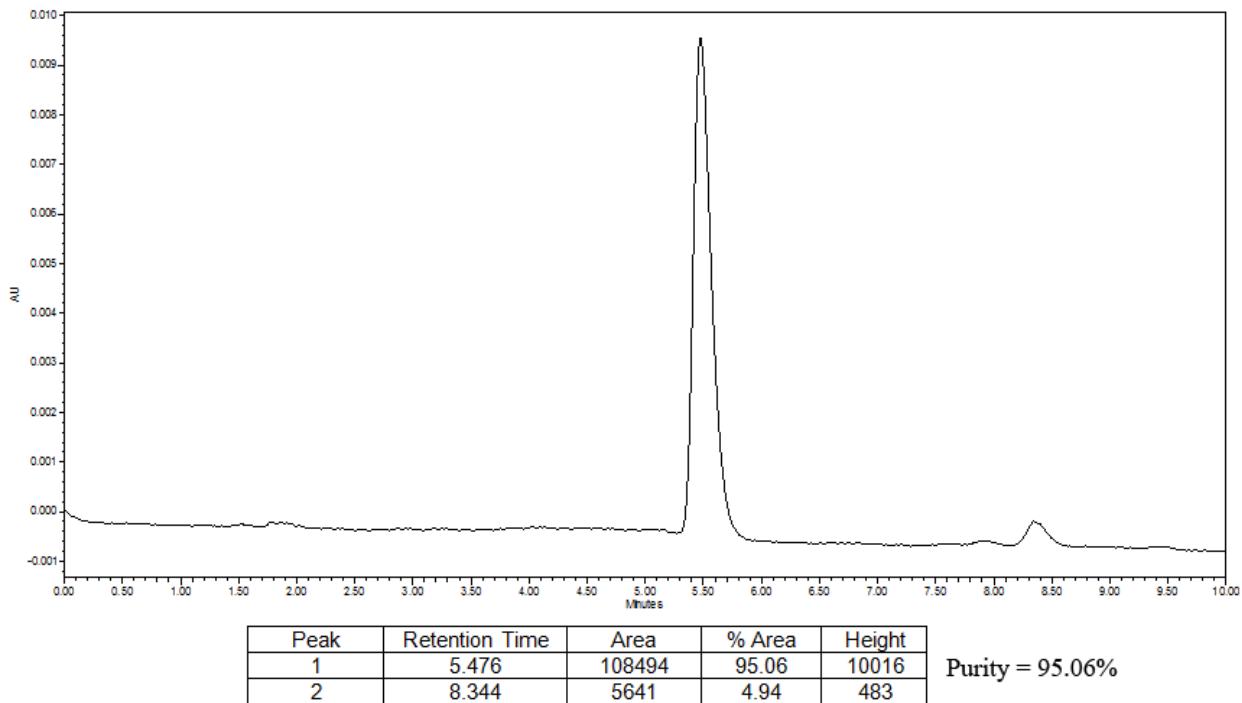
(A)



(B)



(C)



(D)

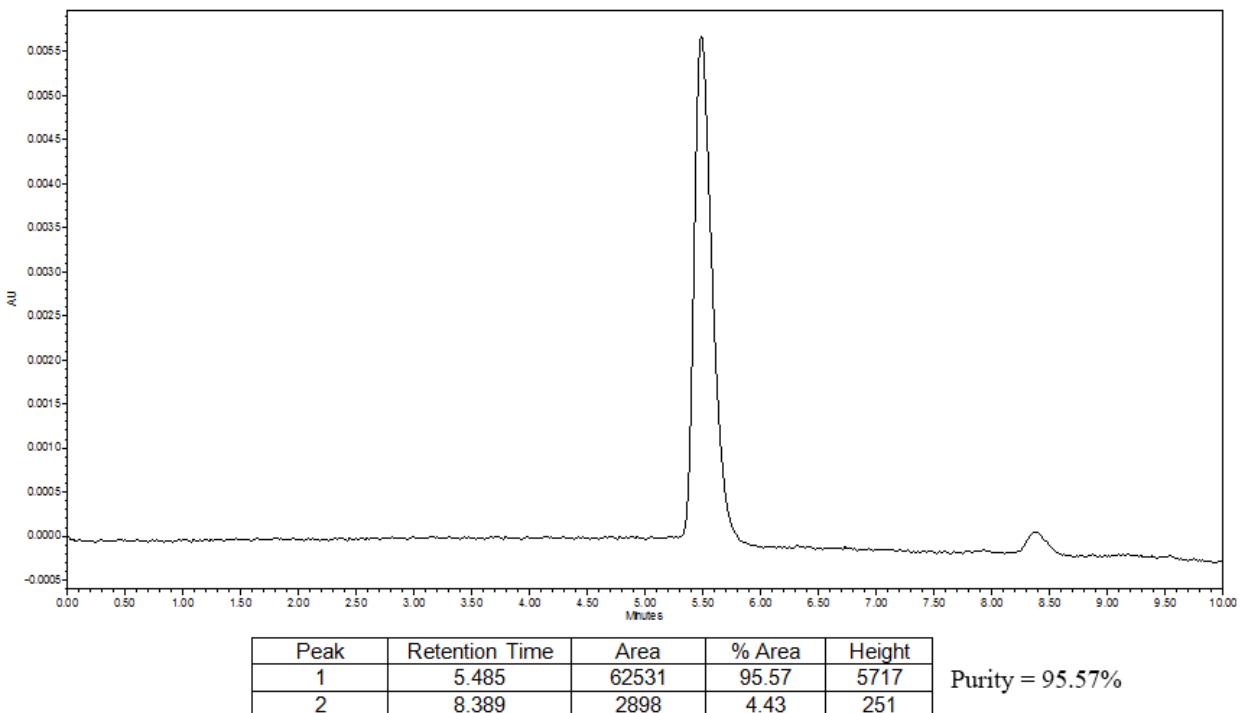
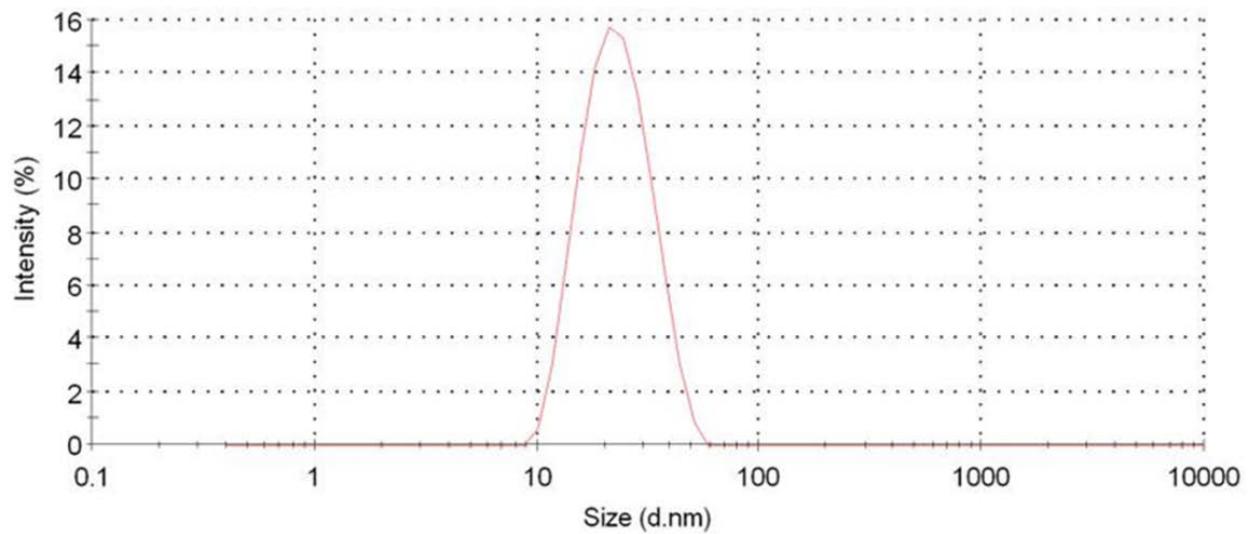
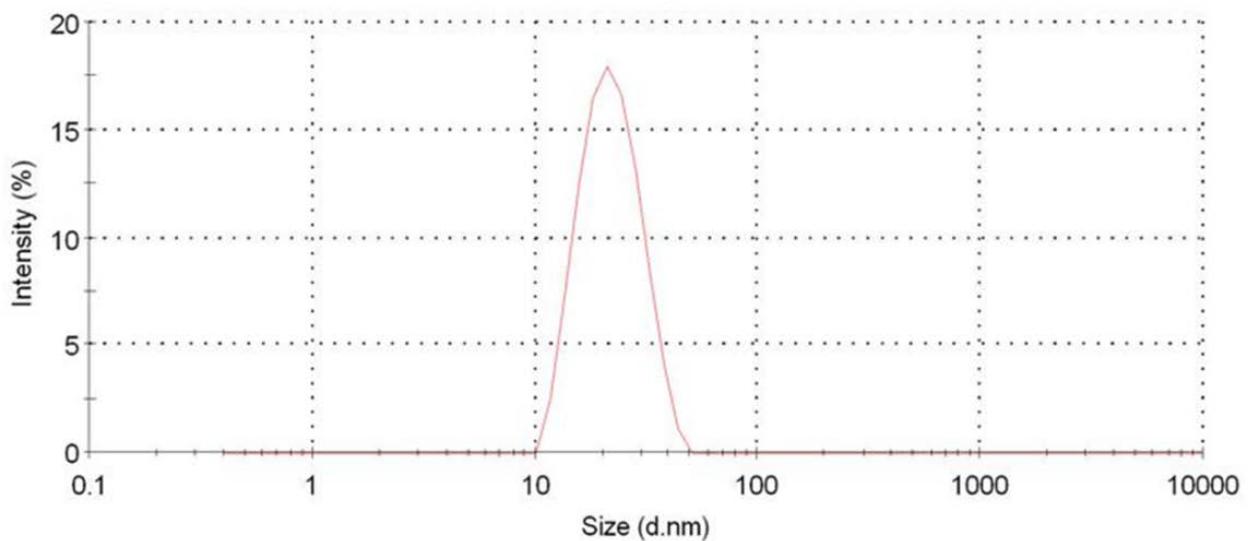


Fig. S3. HPLC trace of PEG_{5K}-VE₂ (A), PEG_{5K}-VE (B), PEG_{2K}-VE₂ (C) and PEG_{2K}-VE (D) conjugates.

(A)



(B)



(C)

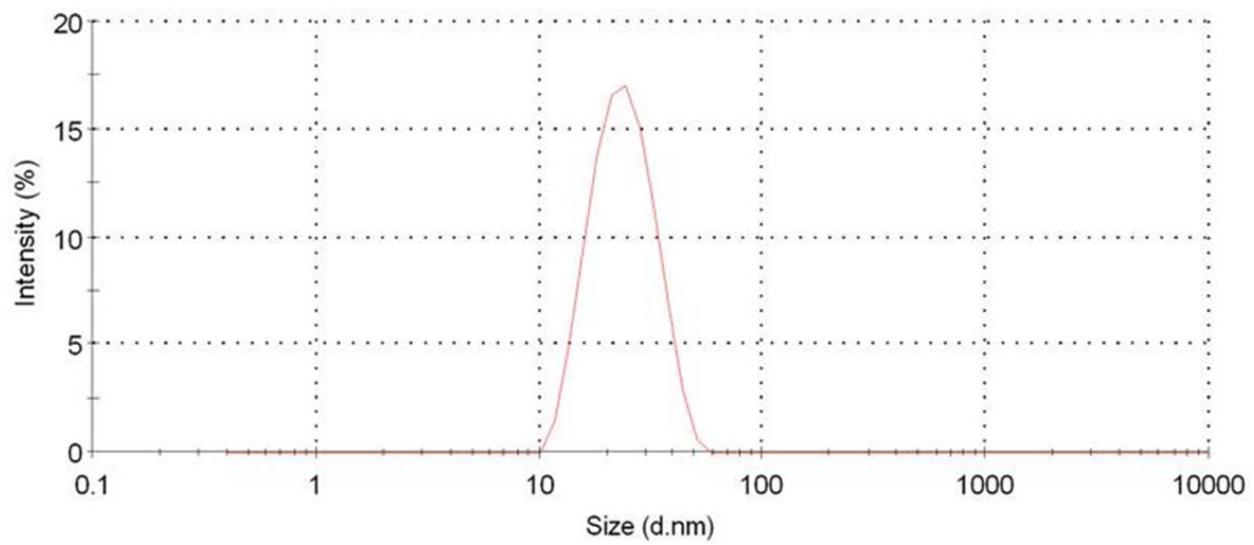
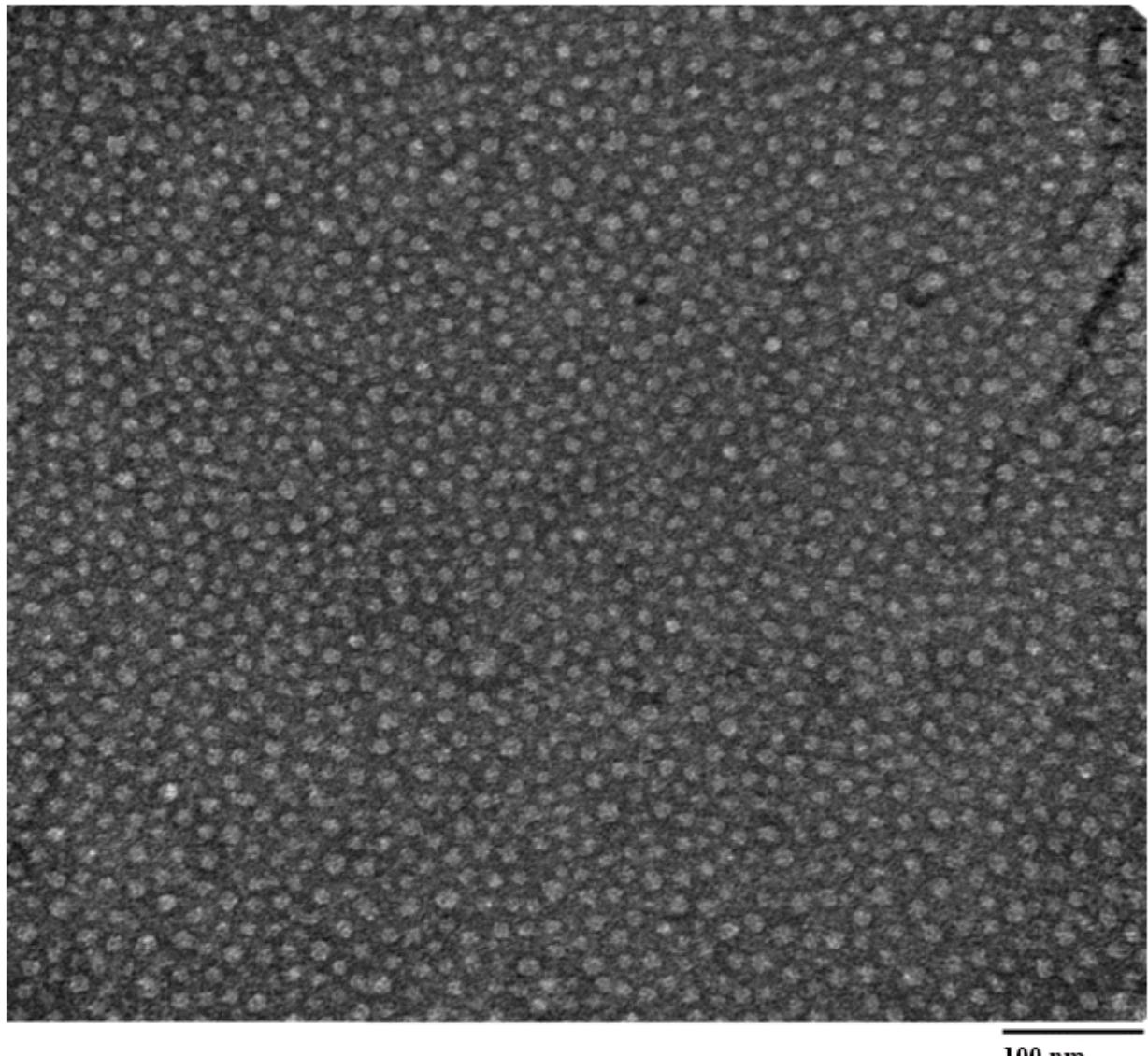
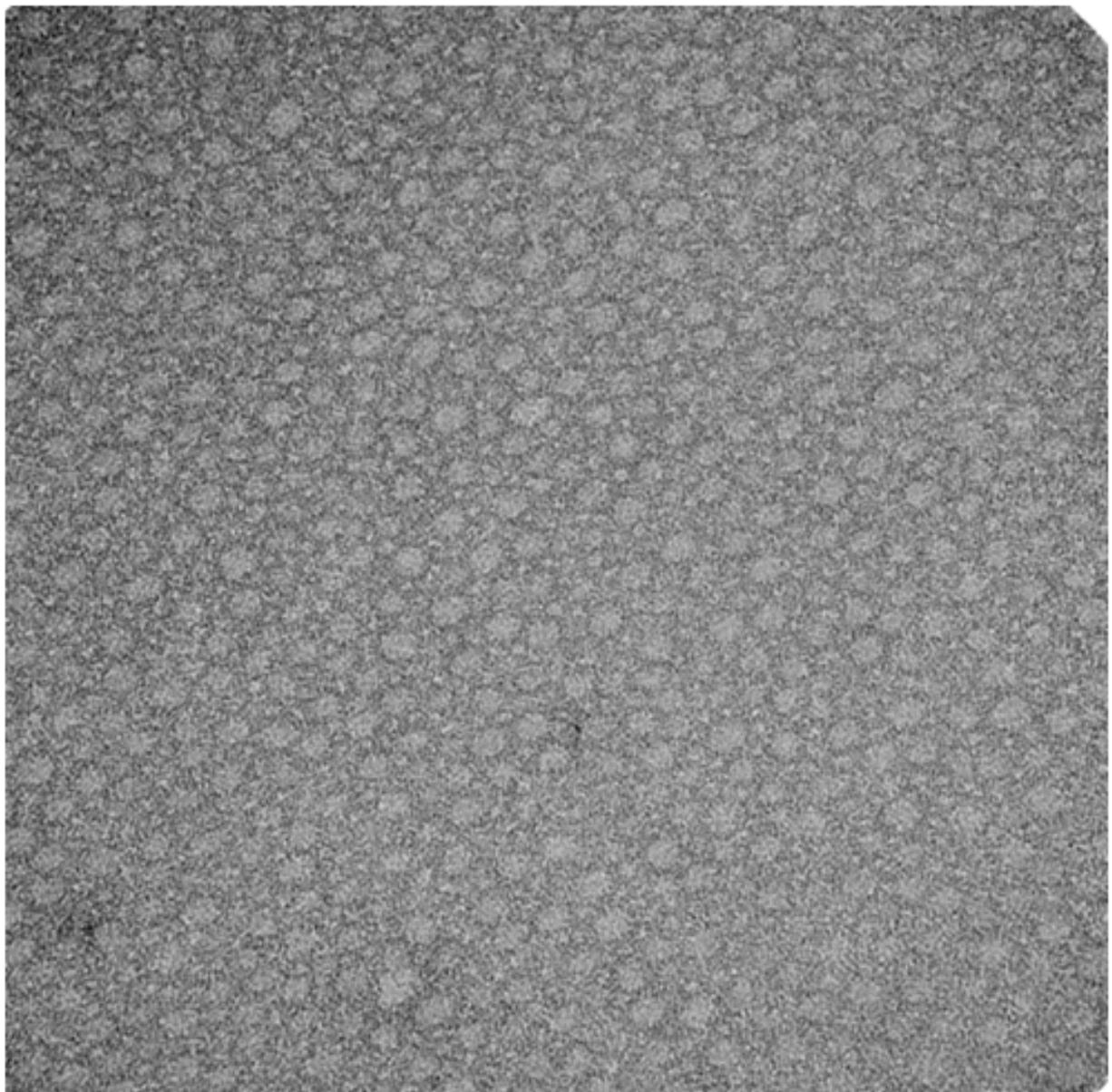


Fig. S4. The size distribution of free PEG_{5K}-VE (A), PEG_{2K}-VE₂ (B) and PEG_{2K}-VE (C) nanoparticles in PBS measured by dynamic light scattering (DLS).

(A)



(B)



100 nm

(C)

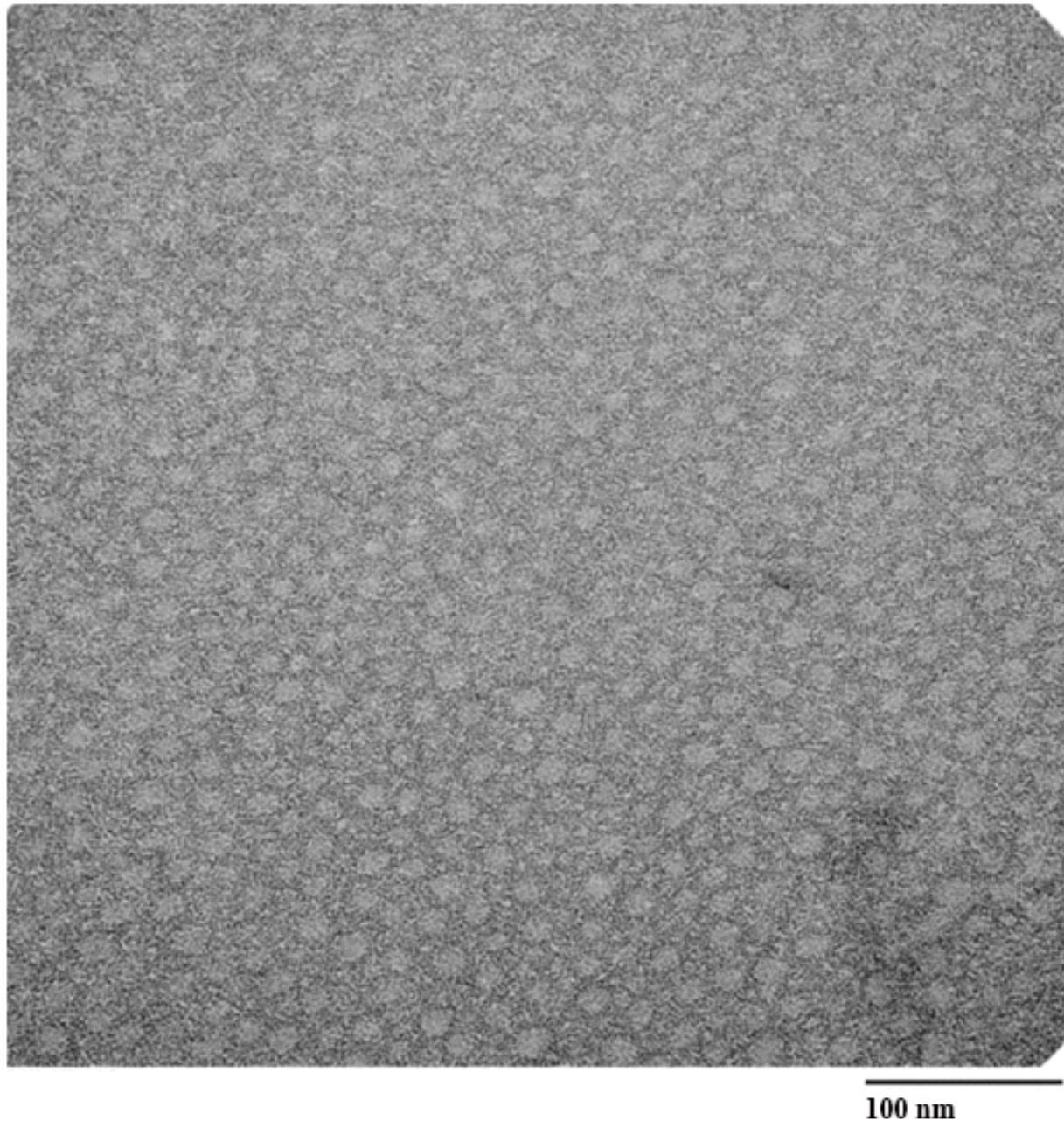


Fig. S5. Transmission electron microscopy of PEG_{5K}-VE (A), PEG_{2K}-VE₂ (B) and PEG_{2K}-VE (C) nanoparticles.