

Fig. S1 IR spectra of completed methylated AABP-2B.

Fig. S2 HPGPC spectrum of AABP, AABP-1 and AABP-2.

Fig. S3 Elution profiles of AABP-2 on DEAE-52 cellulose column.

Fig. S4 FT-IR spectrum of AABP-2B

Fig. S5 Mass spectra of PMAAs for AABP-2B

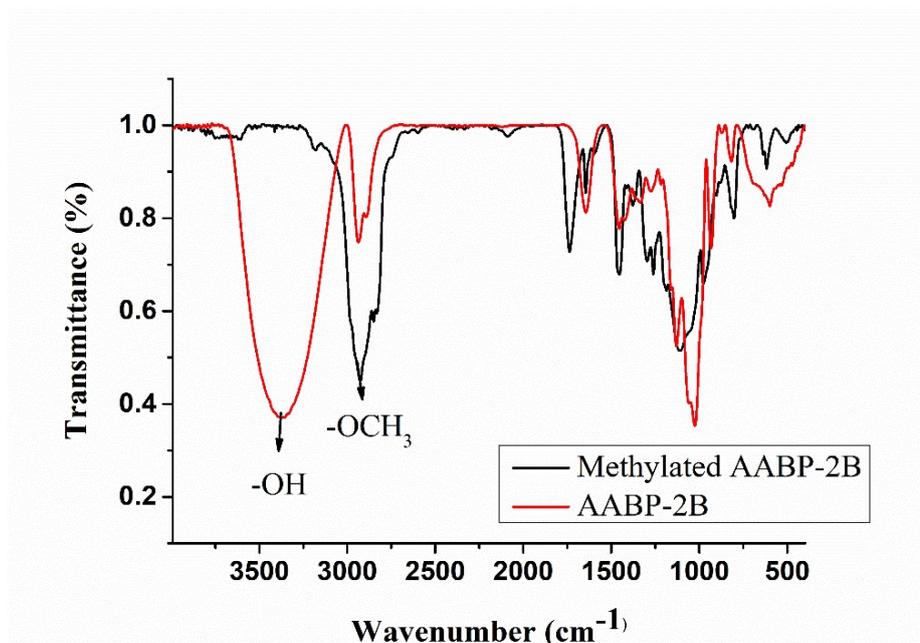
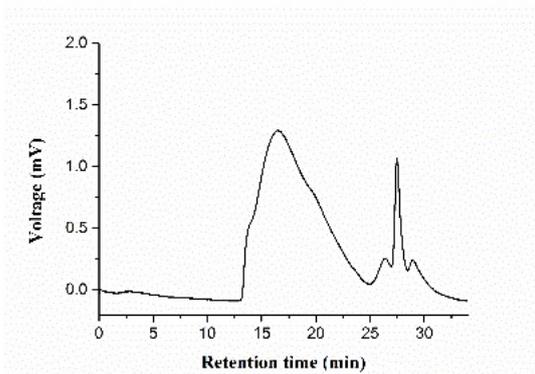
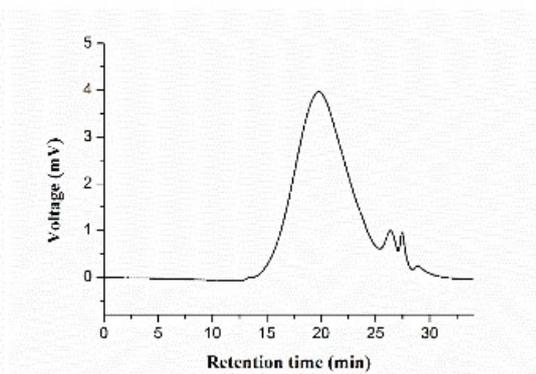


Fig. S1 IR spectra of completed methylated AABP-2B.

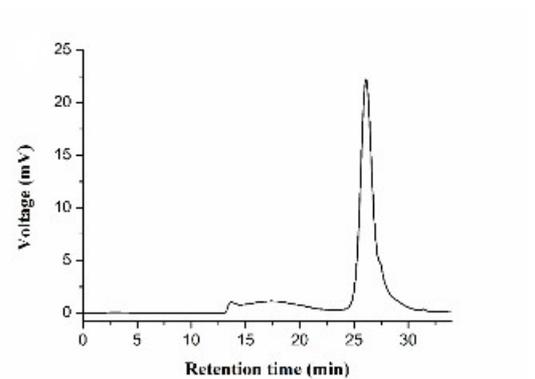
Annotation: As shown in Fig. S1, after methylation, the characteristic absorption peak of hydroxyl groups (-OH) at around 3370 cm⁻¹ was almost completely disappeared. In addition, the band at around 2936 cm⁻¹ was obviously enhanced. These results demonstrated that the AABP-2B was completely methylated.



AABP



AABP-1



AABP-2

Fig. S2 The HPLC diagrams of crude polysaccharides of AABP, AABP-1 and AABP-2

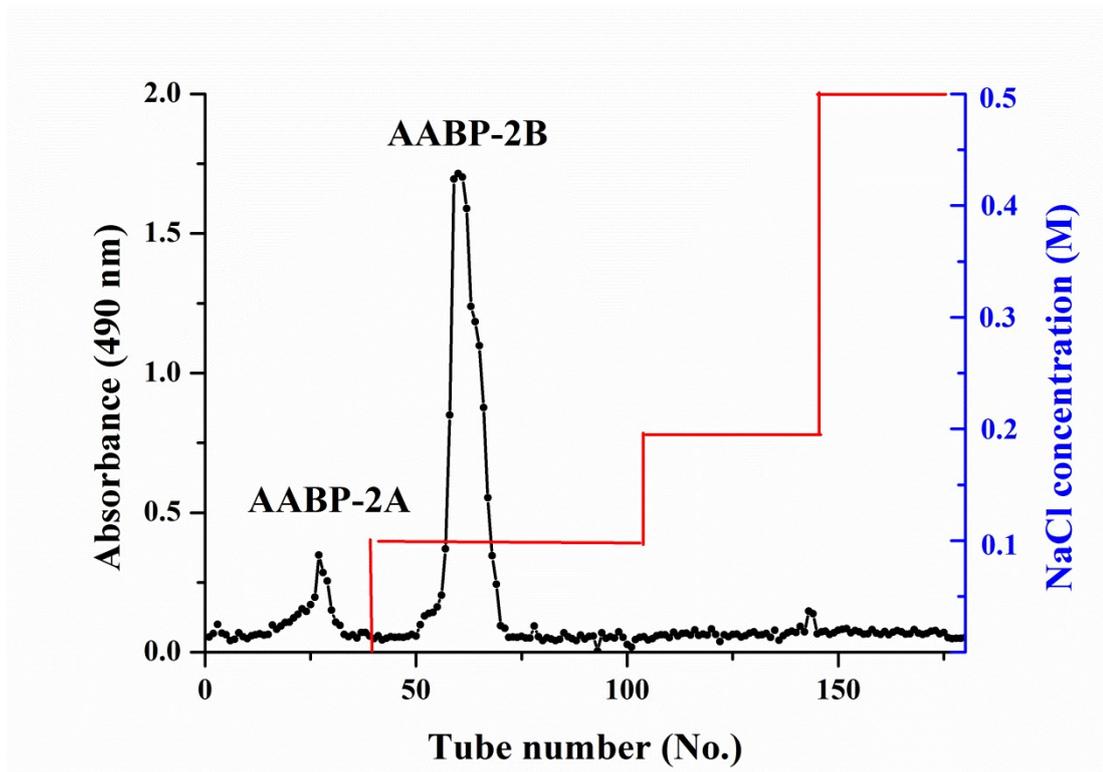


Fig. S3 Elution profiles of AABP-2 on DEAE-52 cellulose column.

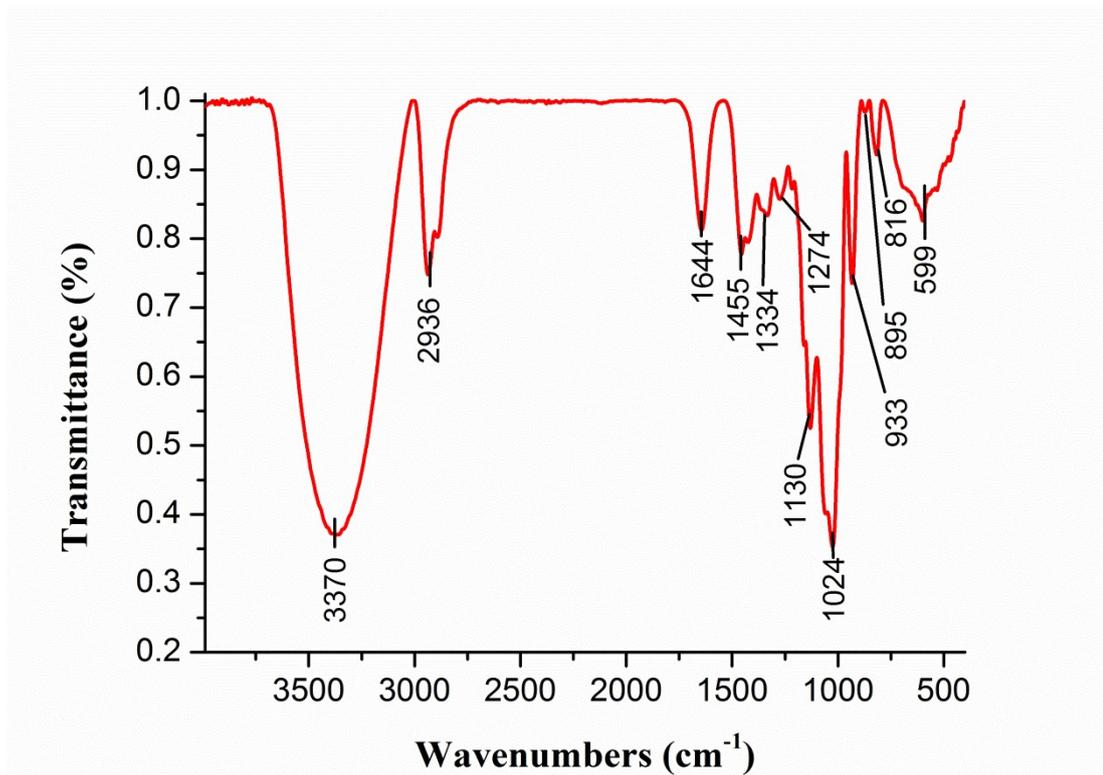
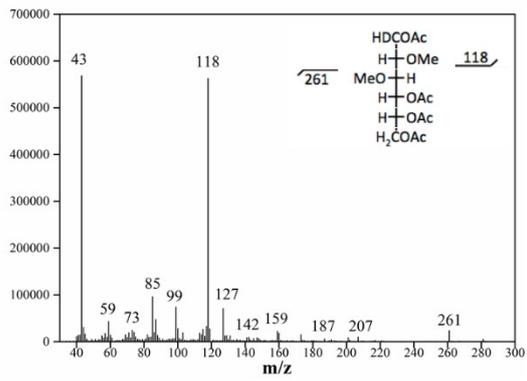
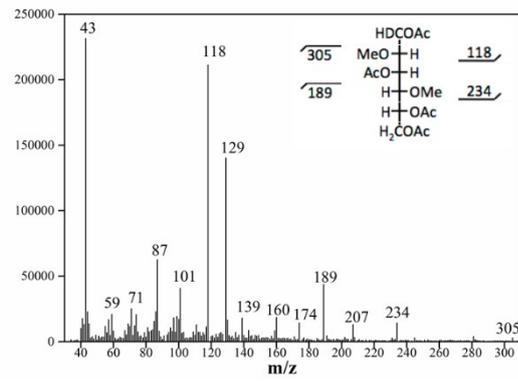


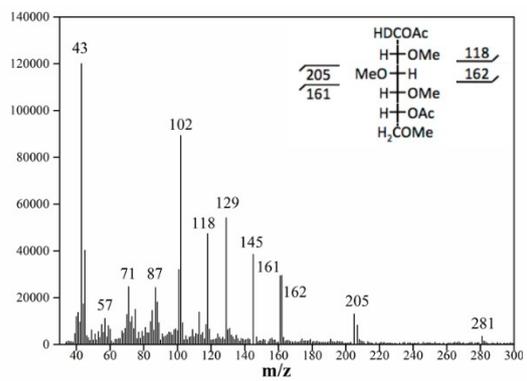
Fig. S4 FT-IR spectrum of AABP-2B



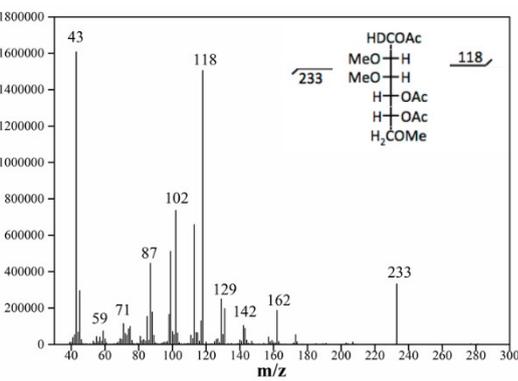
4,6)-β-D-Glcp-(1



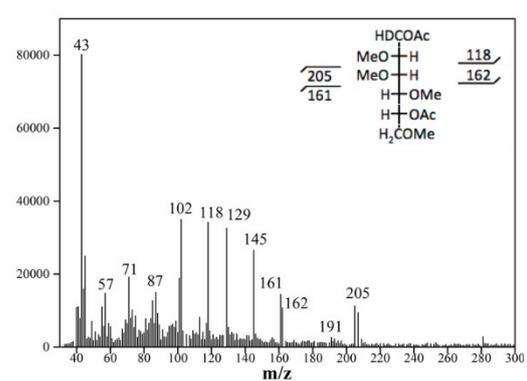
3,6)-β-D-Manp-(1



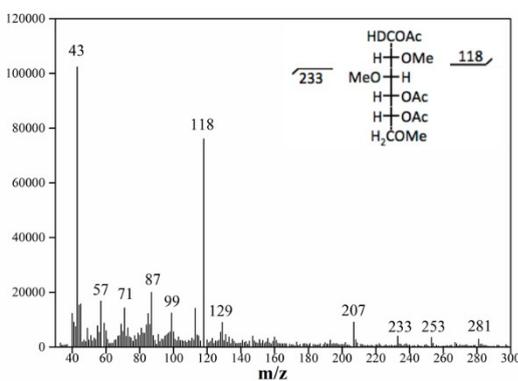
T-α-D-Glcp-(1



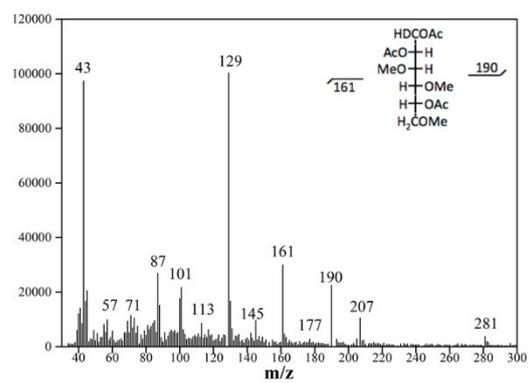
4)- α-D-Manp-(1



T-α-D-Manp-(1



4)-α-D-Glcp-(1



2)- α -D-Manp-(1

Fig. S5 Mass spectra of PMAAs for AABP-2B