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A low-cost and effective bagasse-based magnetic porous biochar as adsorbent for solid phase extraction of triazine herbicides in brown sugar

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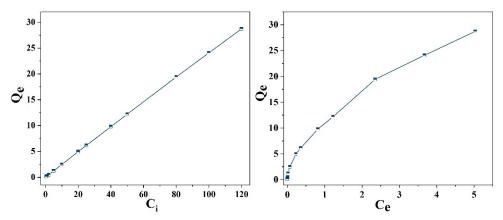


Fig. S1 Adsorption isotherms of MPB for atrazine adsorption

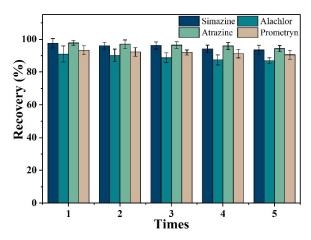


Fig. S2 The recoveries of four trazines after five recycling five times

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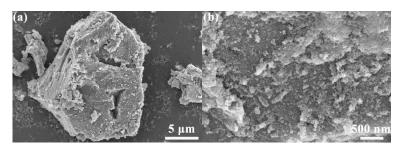


Fig. S3 The SEM of MPB after five recycling five times

Table S1 The equations and parameters of Langmuir and Freundlich isotherm model

Isotherm models	Equations	Parameters	
Langmuir	$C_e/Q = C_e/Q_{max} + 1/(K_L Q_{max})$	R^2	0.9050
		Q_{max}	30.86
		K_L	1.01
Freundlich	$Q_e = K_F C_e^{1/nF}$	R^2	0.9873
		K_F	1.94
		n_F	0.41

 $\overline{Q_{max}}$: The maximum adsorption capacity

 K_L : Langmuir constant

 K_F : Freundlich constant

 n_F : Adsorption intensity