

Supplementary materials

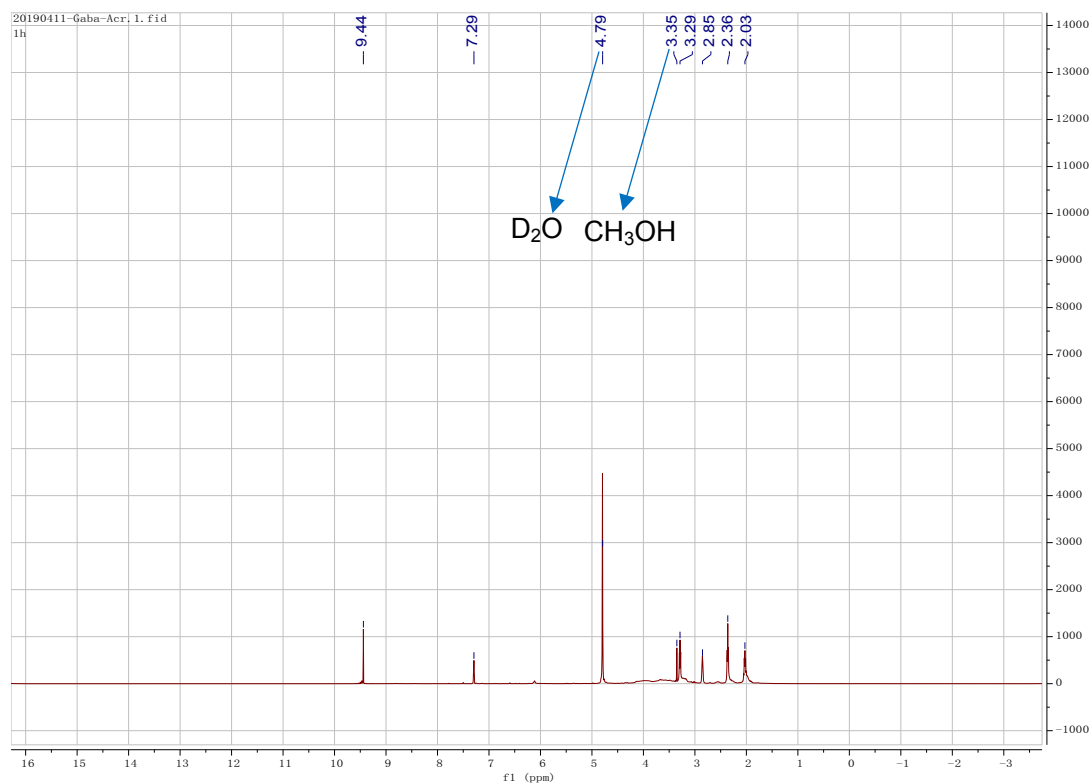


Fig. S1 ¹H-NMR spectrum of acrolein-GABA adduct.

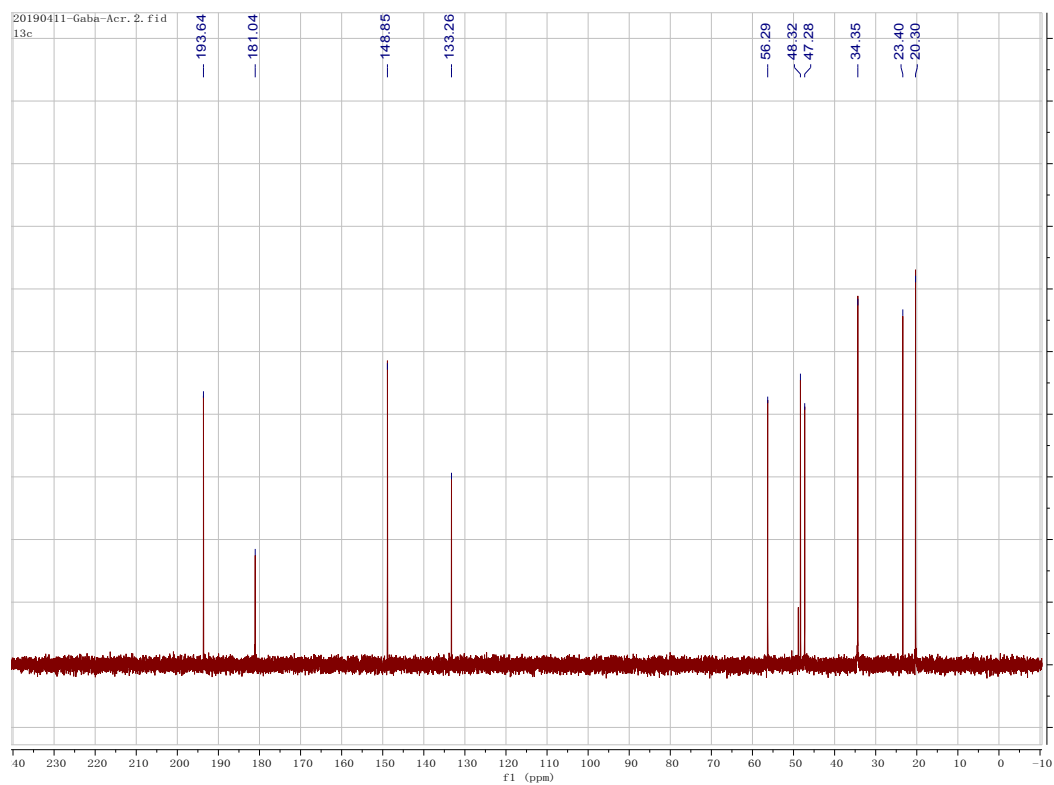


Fig. S2 ¹³C-NMR spectrum of acrolein-GABA adduct.

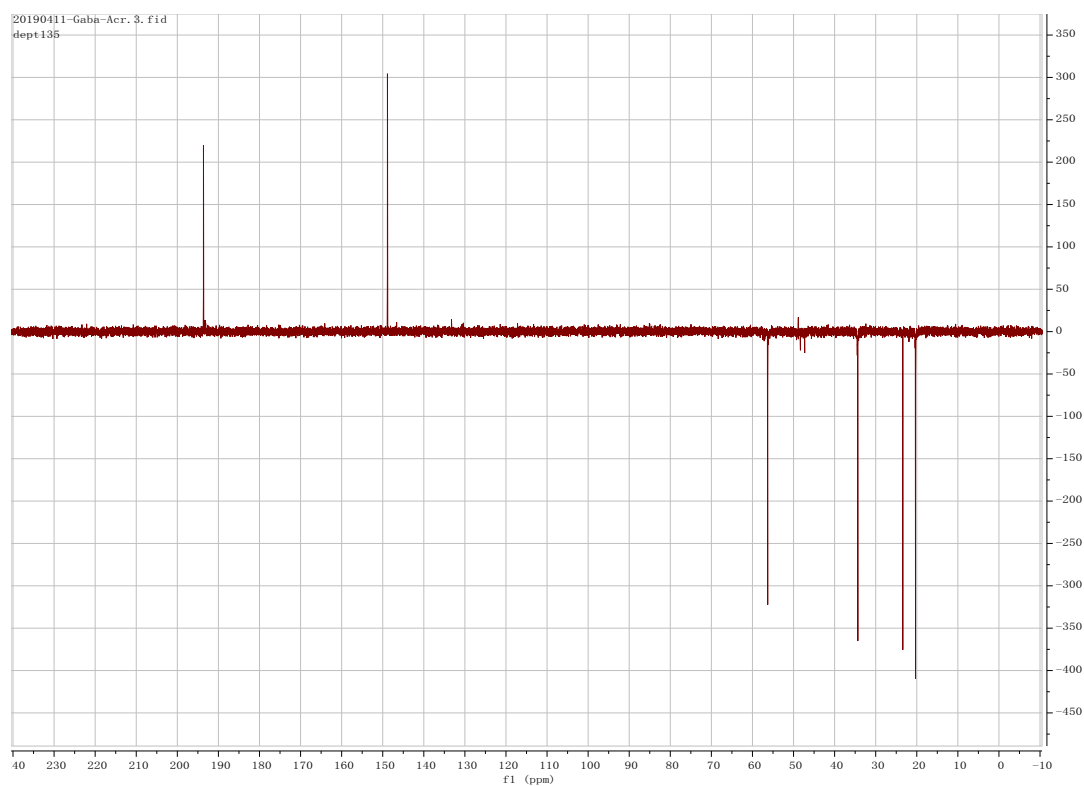


Fig. S3 Dept 135-NMR spectrum of acrolein-GABA adduct.

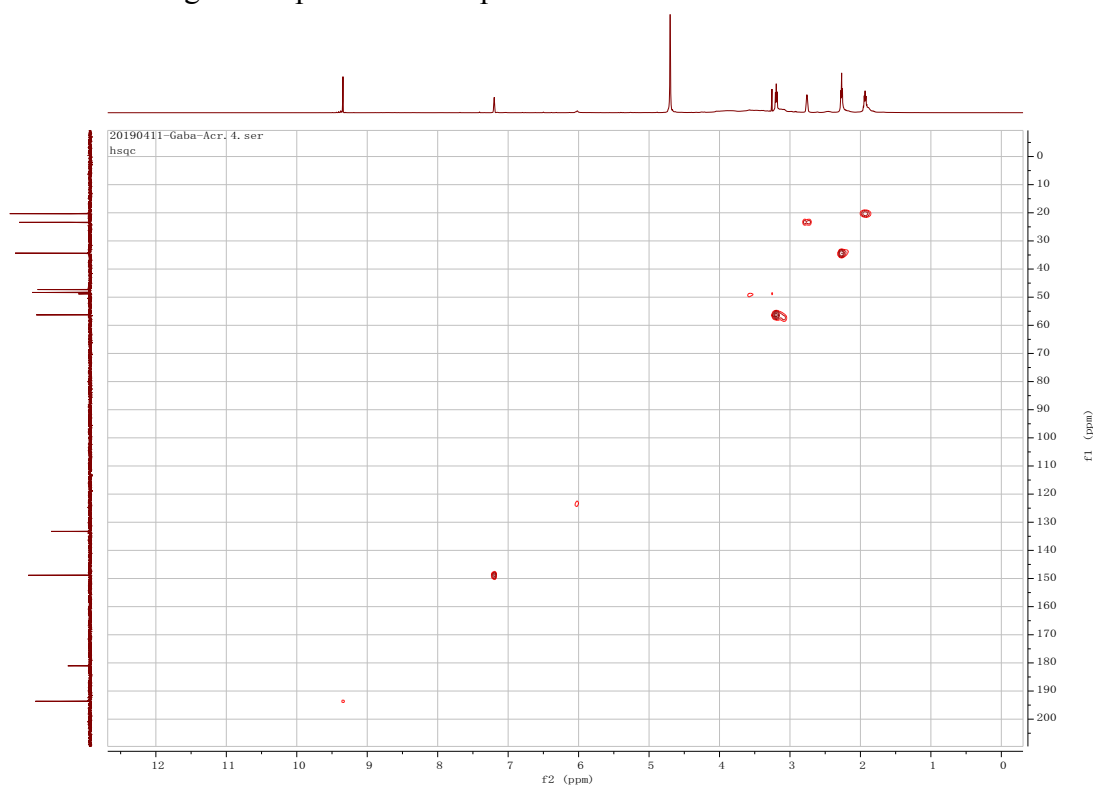


Fig. S4 HSQC-NMR spectrum of acrolein-GABA adduct.

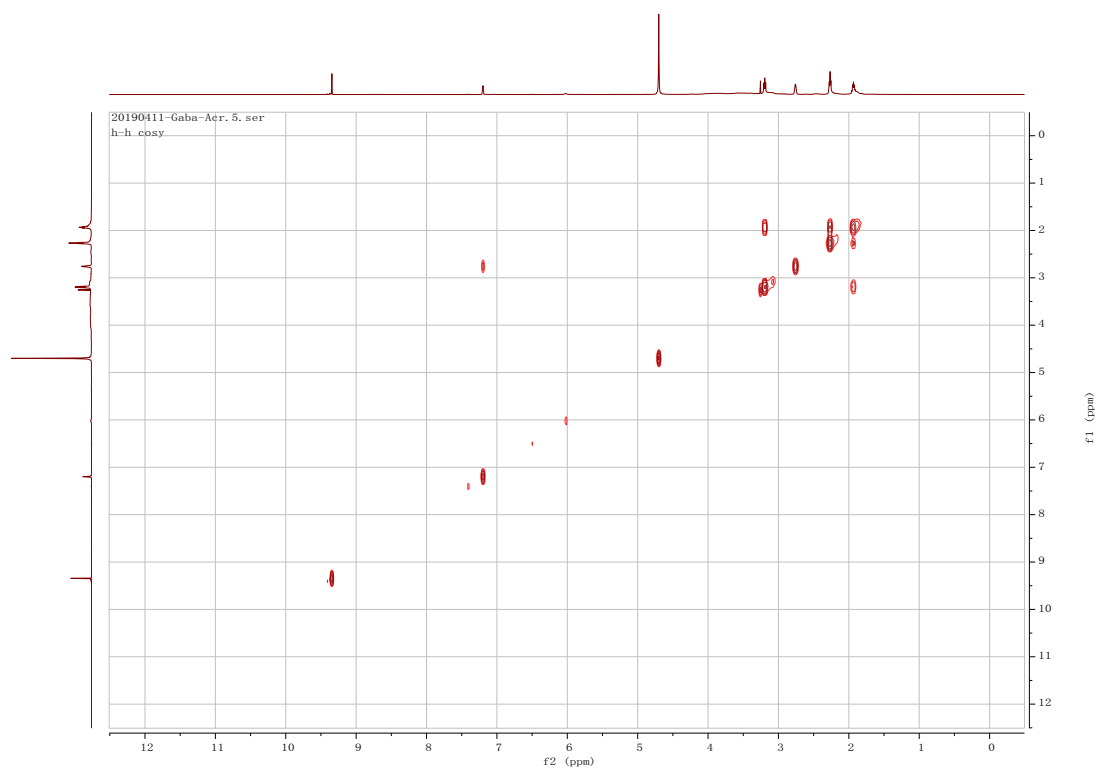


Fig. S5 H, H COSY-NMR spectrum of acrolein-GABA adduct.

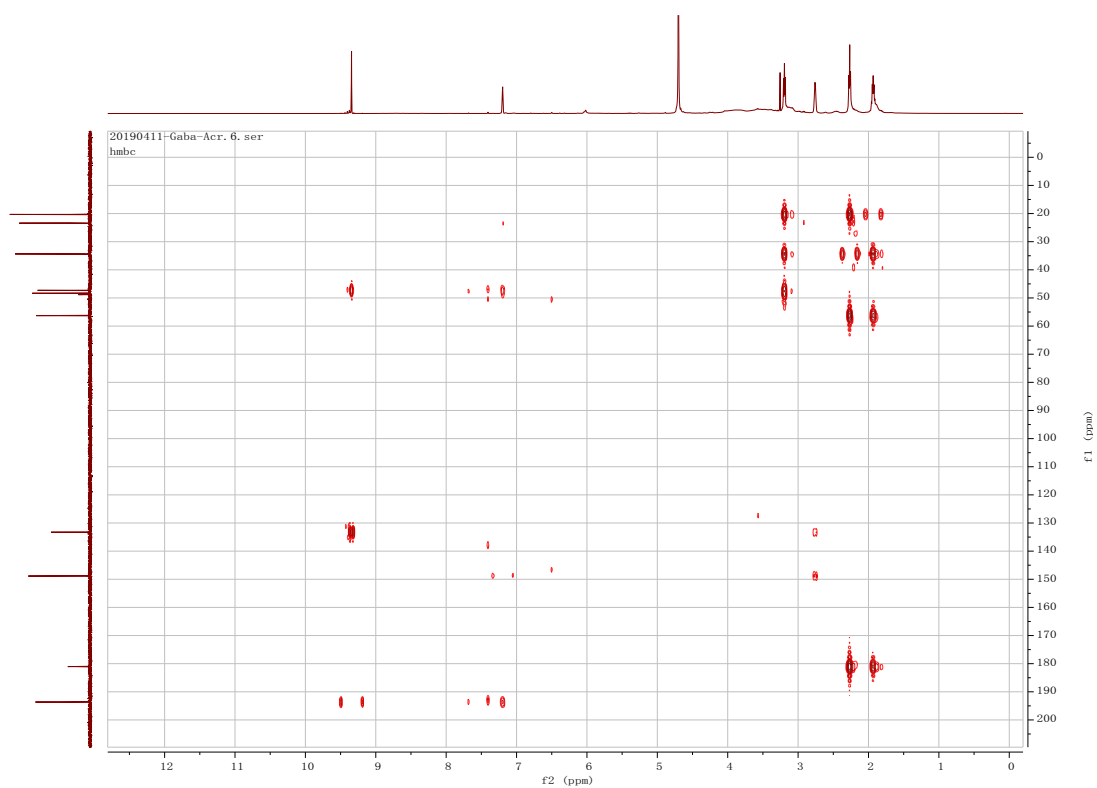


Fig. S6 HMBC-NMR spectrum of acrolein-GABA adduct.

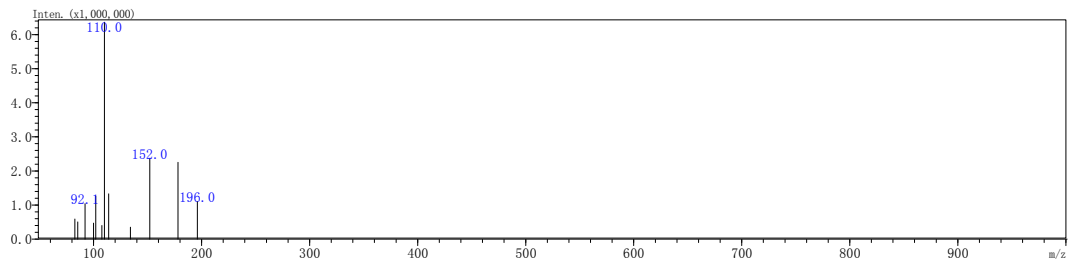


Fig. S7 LC-MS/MS spectrum of acrolein-GABA adduct.

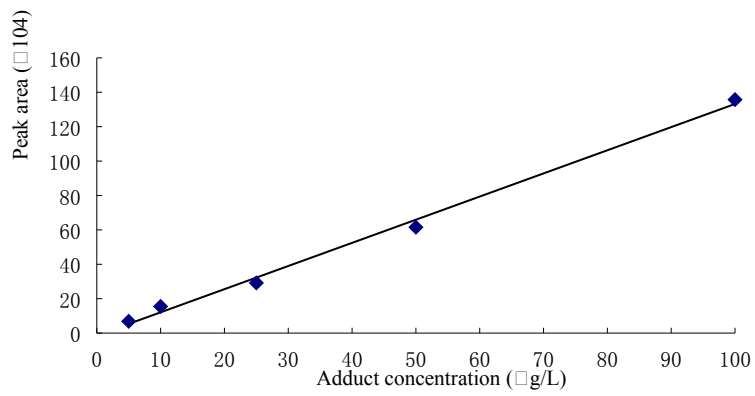
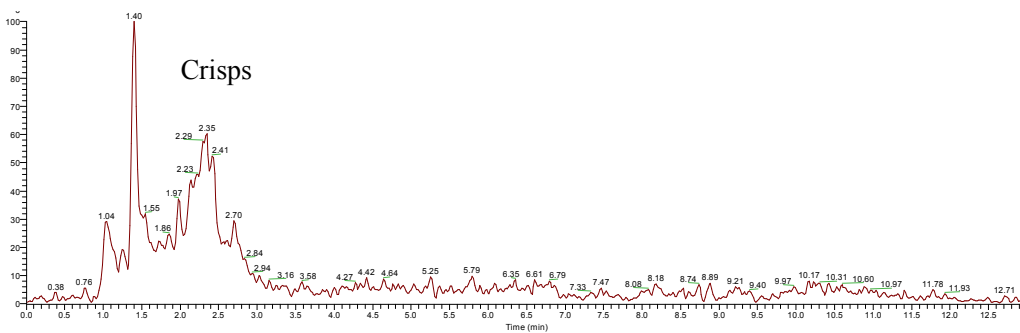
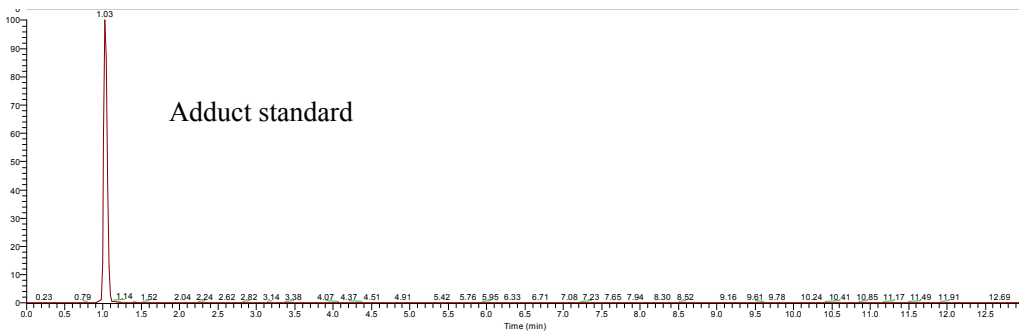


Fig. S8 The standard curve for GABA-acrolein adduct.



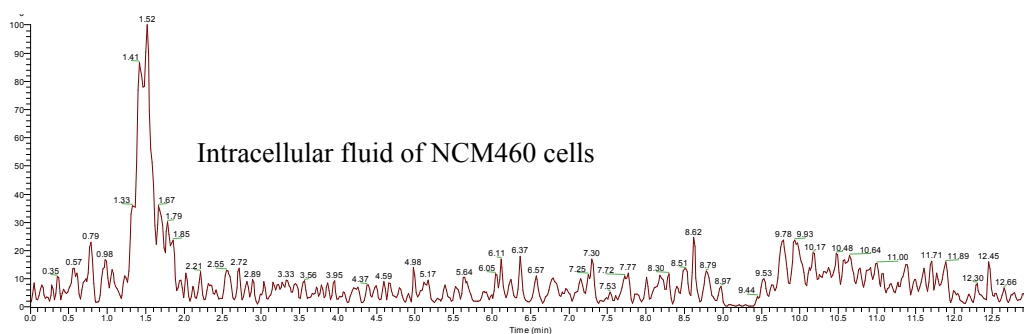
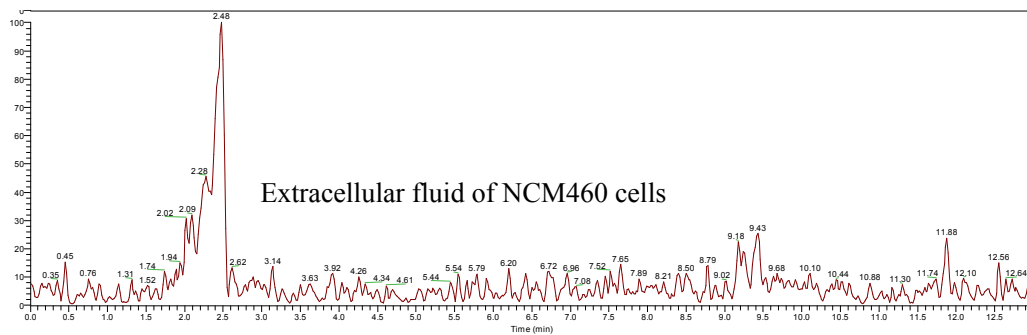
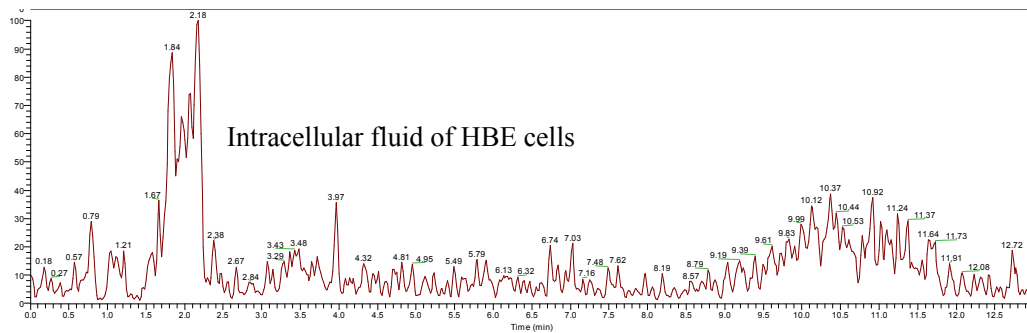
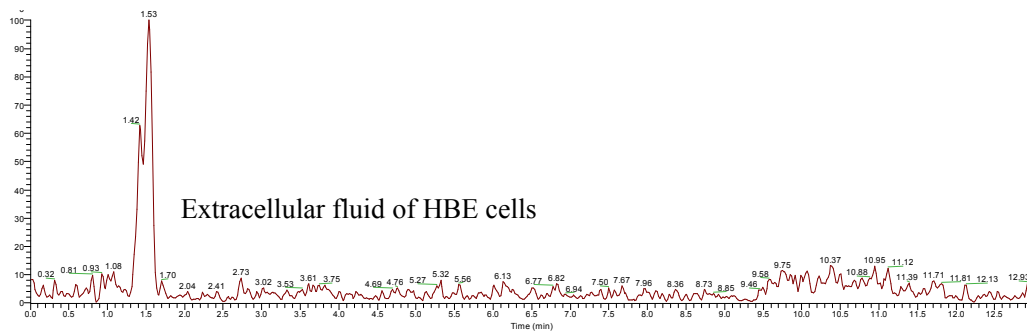


Fig. S9 Total ion chromatogram of the adduct standard, crisps, and extracellular and intracellular fluids.