

HPLC Separation of 2-Ethyl-5(6)-methylpyrazine and Its Electroantennogram and Alarm Activities on Fire Ant (*Solenopsis invicta* Buren)

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Supplementary Materials:

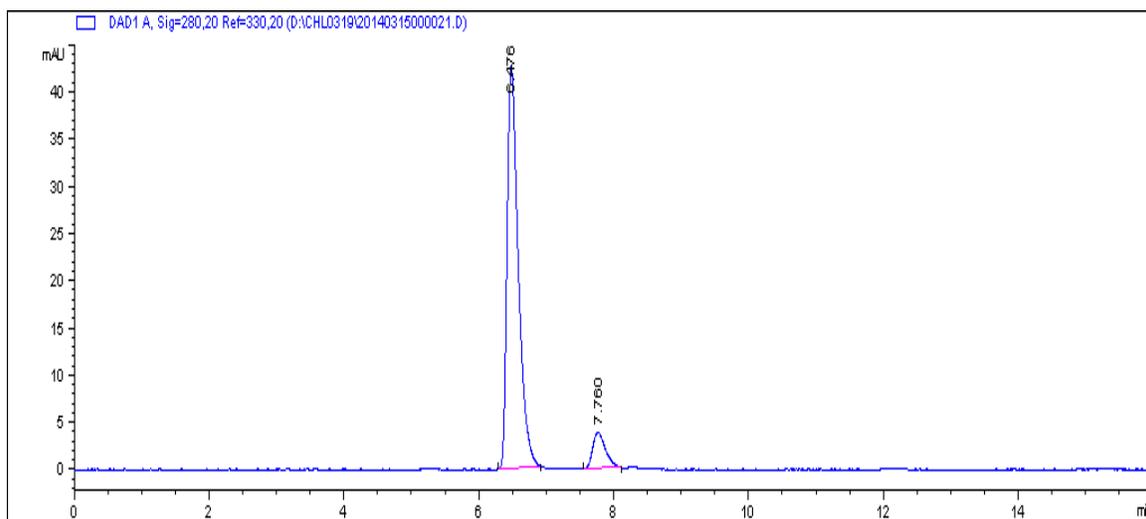


Figure S1. HPLC chromatogram of 2-methyl-3(5 or 6)-ethoxypyrazine. Mobile phase: hexane-isopropanol 99.5:0.5.

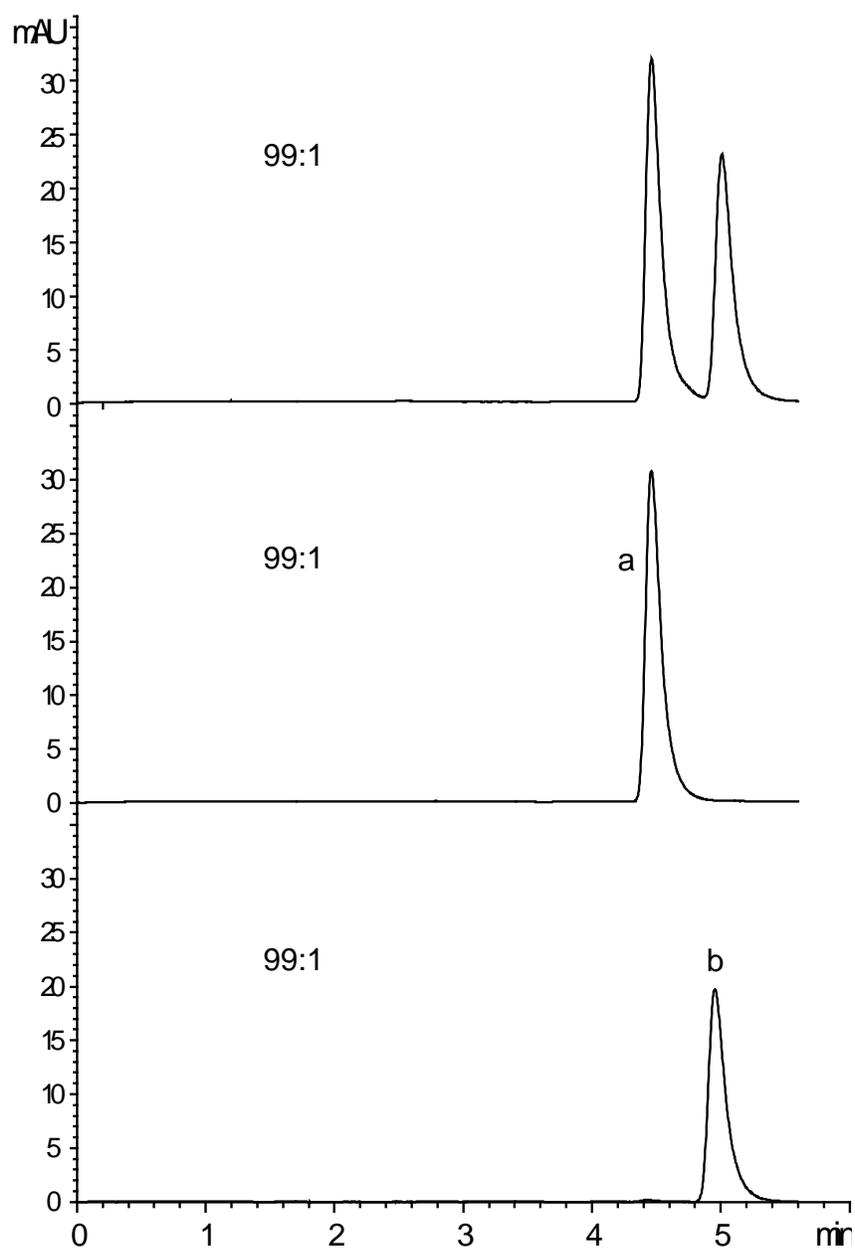


Figure S2. HPLC chromatograms of HPLC-purified EMPa (middle panel) and EMPb (bottom panel) in comparison with the mixture (top panel).

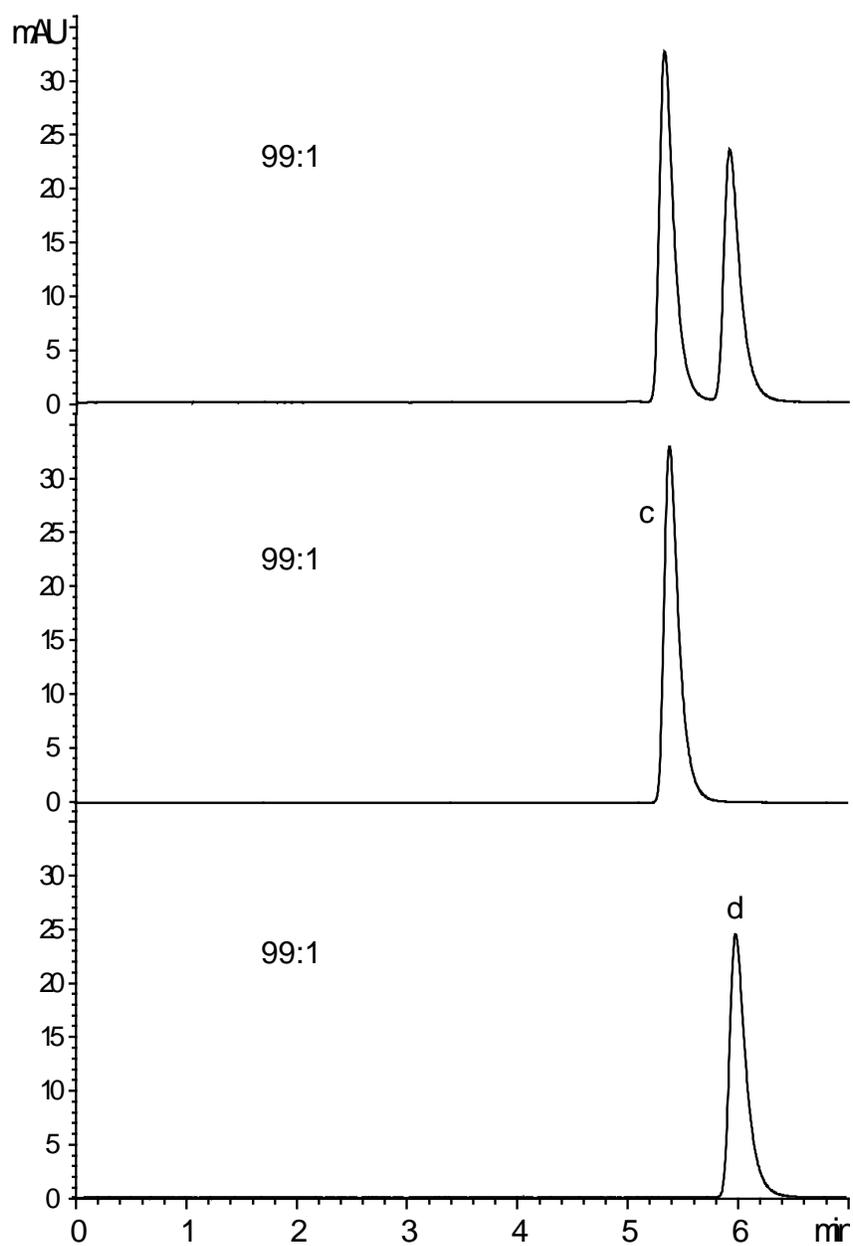


Figure S3. HPLC chromatograms of HPLC-purified EMPc (middle panel) and EMPd (bottom panel) in comparison with the mixture (top panel).

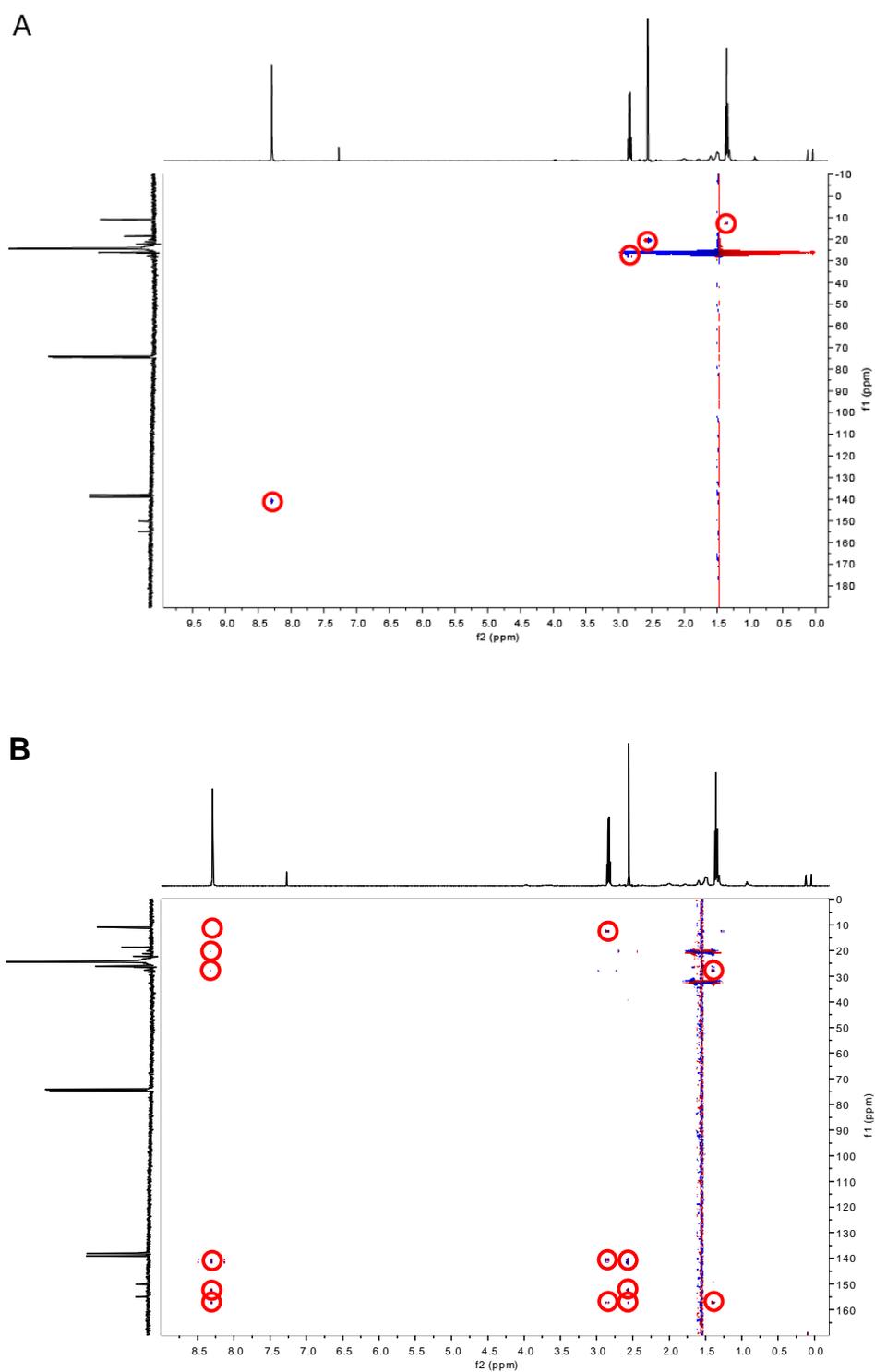


Figure S4. HSQC- and HMBC-2D NMR spectra of EMPa, 2-ethyl-6-methylpyrazine.

A: HSQC; **B:** HMBC.

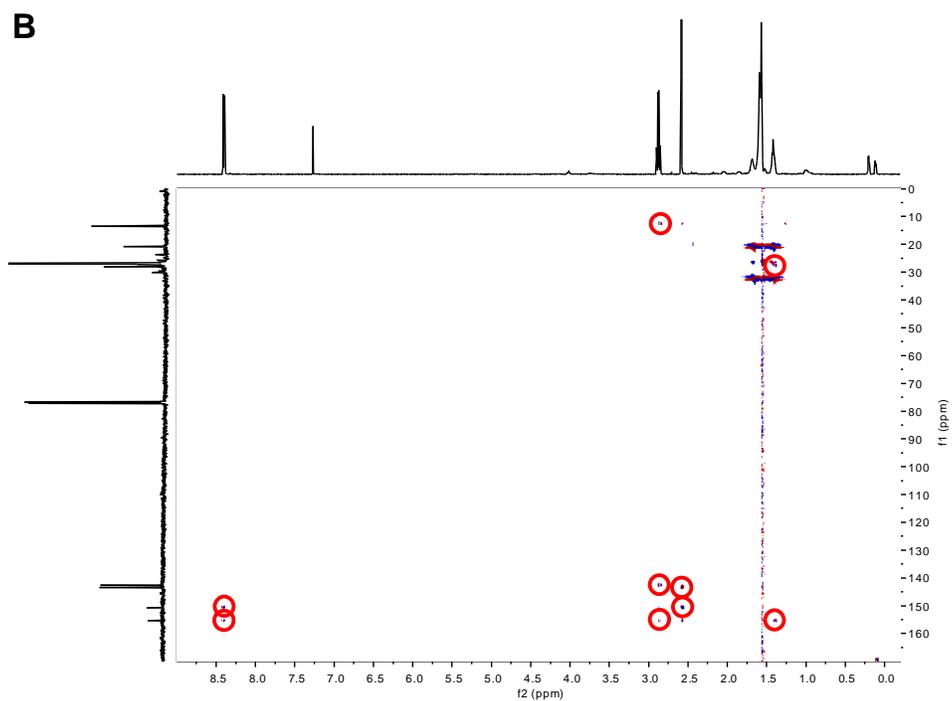
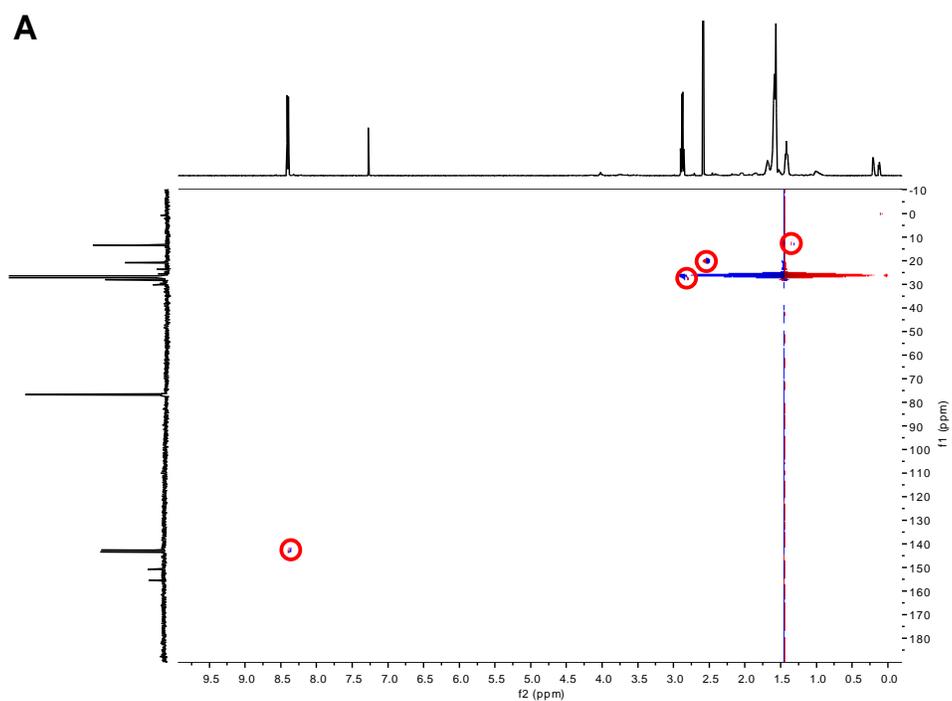


Figure S5. HSQC- and HMBC-2D NMR spectra of EMPb, 2-ethyl-5-methylpyrazine.
A: HSQC; **B:** HMBC.