

Supporting Information

Rec. Nat. Prod. 16:2 (2022) 118-127

Chemical Profiling Revealed a Dominant Compound *trans*-Anethole and Biological Evaluation of an Edible Plant *Clausena harmandiana* Containing Essential Oil

**Nichakan Peerakam¹, Prapart Phoowiang², Sunee Chansakaow²,
Chalermporn Thongpoon³ and Sudarat Hadpech⁴**

¹*Division of Pharmacognosy and Pharmaceutical Chemistry, Faculty of Pharmaceutical Sciences,
Burapha University, Chonburi, Thailand*

²*Department of Pharmaceutical Sciences and Medicinal Plant Innovation Center, Faculty of
Pharmacy, Chiang Mai University, Chiang Mai, Thailand*

³*Department of Chemistry, Faculty of Science and Technology, Pibulsongkram Rajabhat
University, Phitsanulok, Thailand*

⁴*Division of Biopharmacy, Faculty of Pharmaceutical Sciences, Burapha University, Chonburi,
Thailand*

Table of Contents	Page
Figure S1: The overview of total ion chromatogram of the essential oil	2
Figure S2: Total ion chromatogram of the essential oil at retention time 4-13 min.	2
Figure S3: Total ion chromatogram of the essential oil at retention time 13-20 min.	3
Figure S4: Total ion chromatogram of the essential oil at retention time 20-30 min.	3
Figure S5: Estragole and its NIST database comparison data (R.T: 14.43 min.)	5
Figure S6: <i>cis</i> -Anethole and its NIST database comparison data (R.T: 16.42 min.)	6
Figure S7: <i>trans</i> -Anethole and its NIST database comparison data (R.T: 17.70 min.)	7

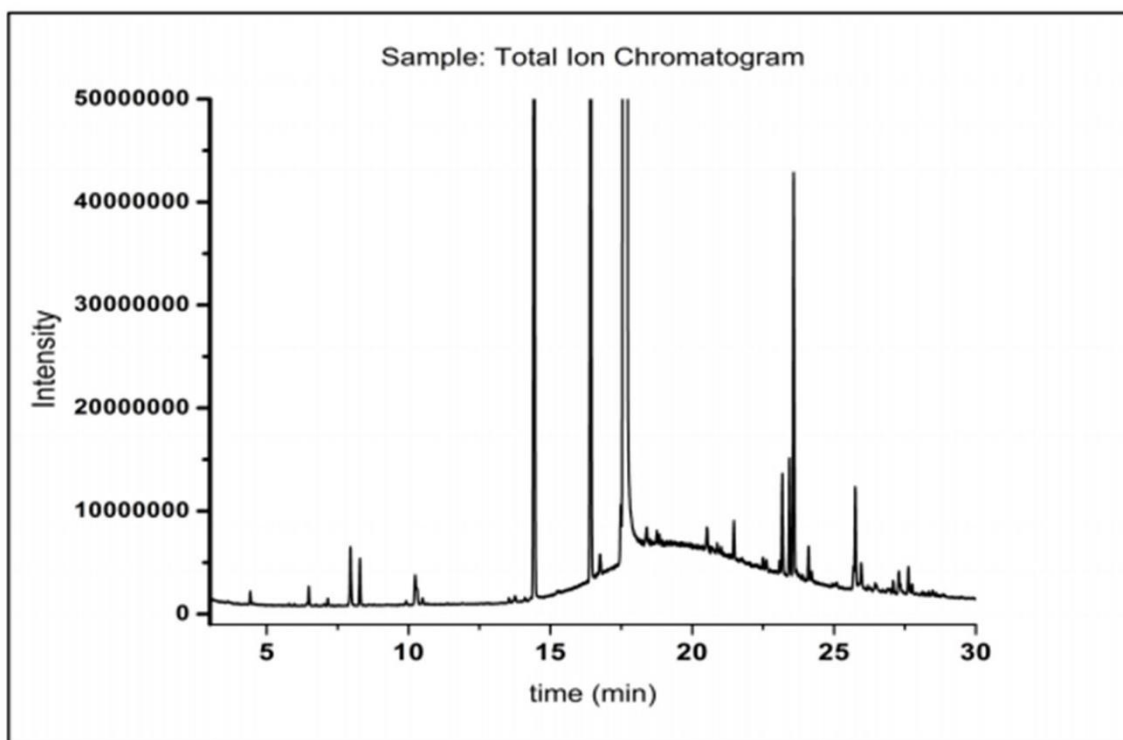


Figure S1: The overview of total ion chromatogram of the essential oil

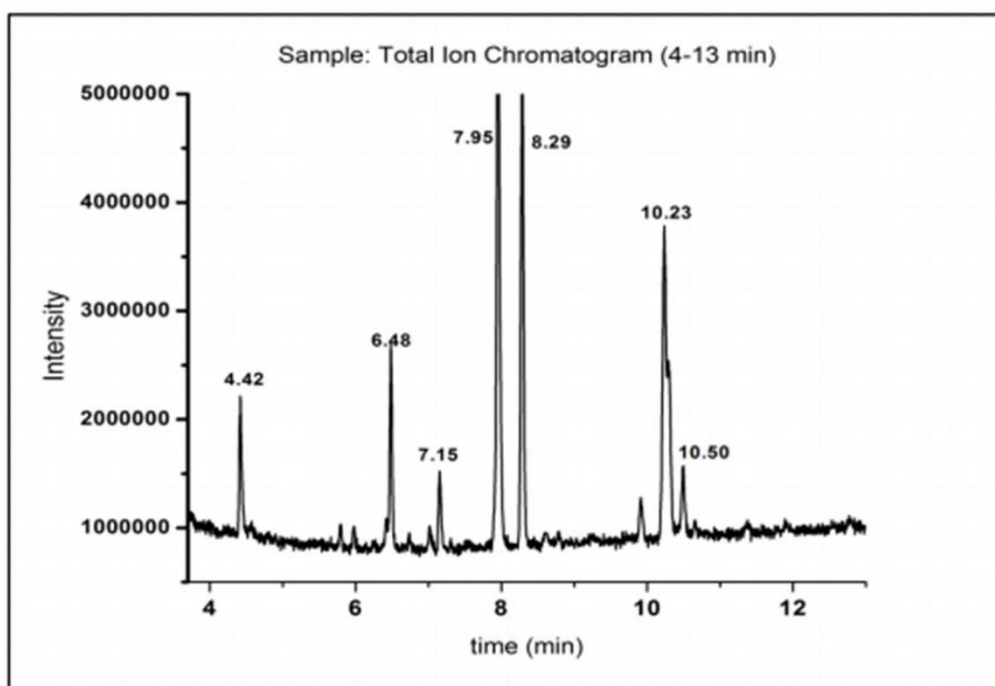


Figure S2: Total ion chromatogram of the essential oil at retention time 4-13 min.

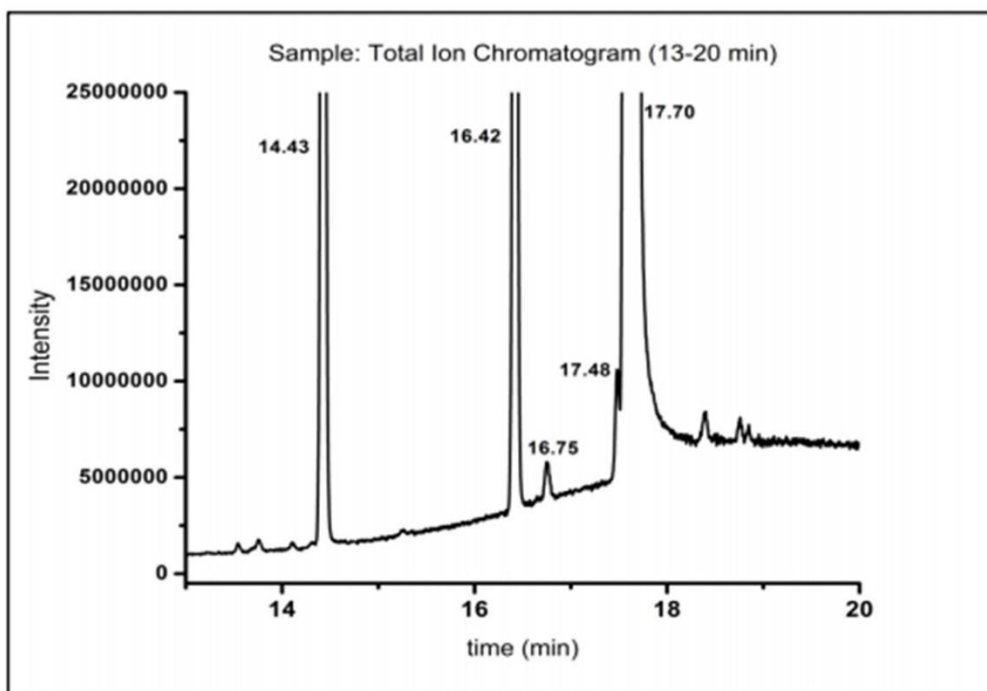


Figure S3: Total ion chromatogram of the essential oil at retention time 13-20 min.

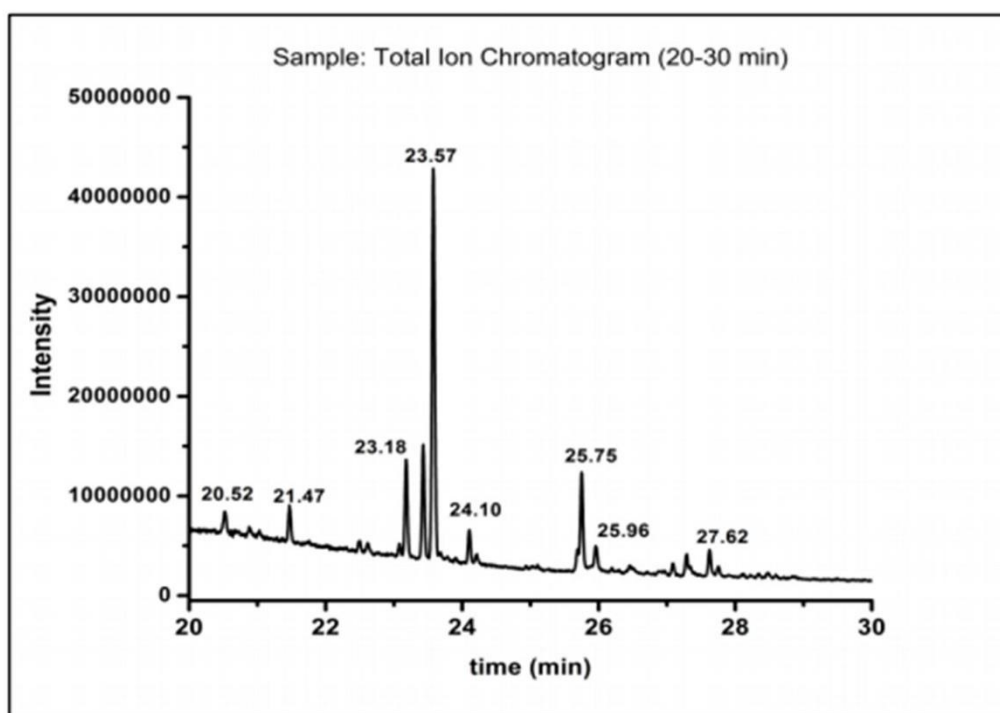


Figure S4: Total ion chromatogram of the essential oil at retention time 20-30 min.

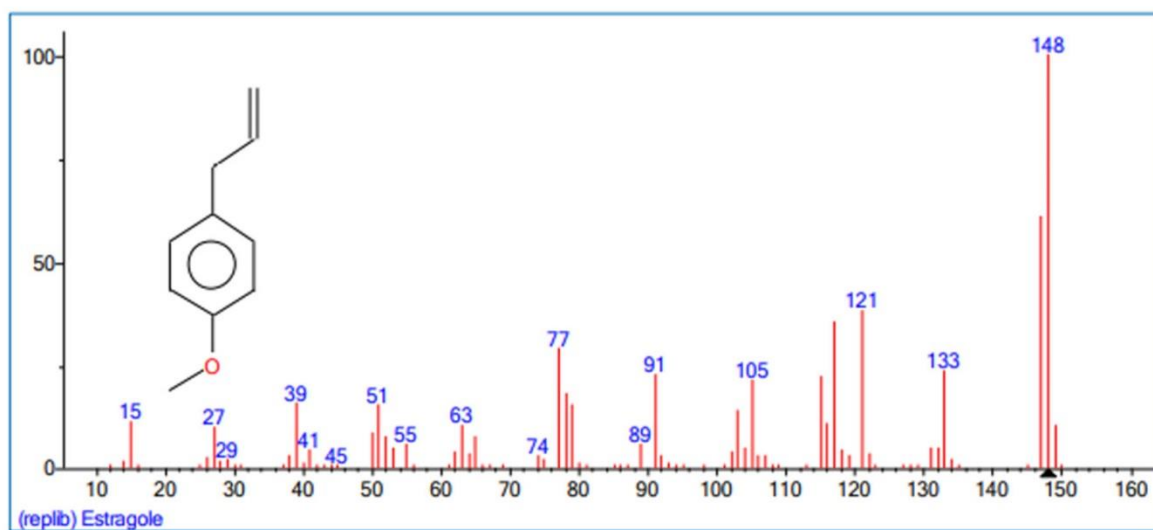
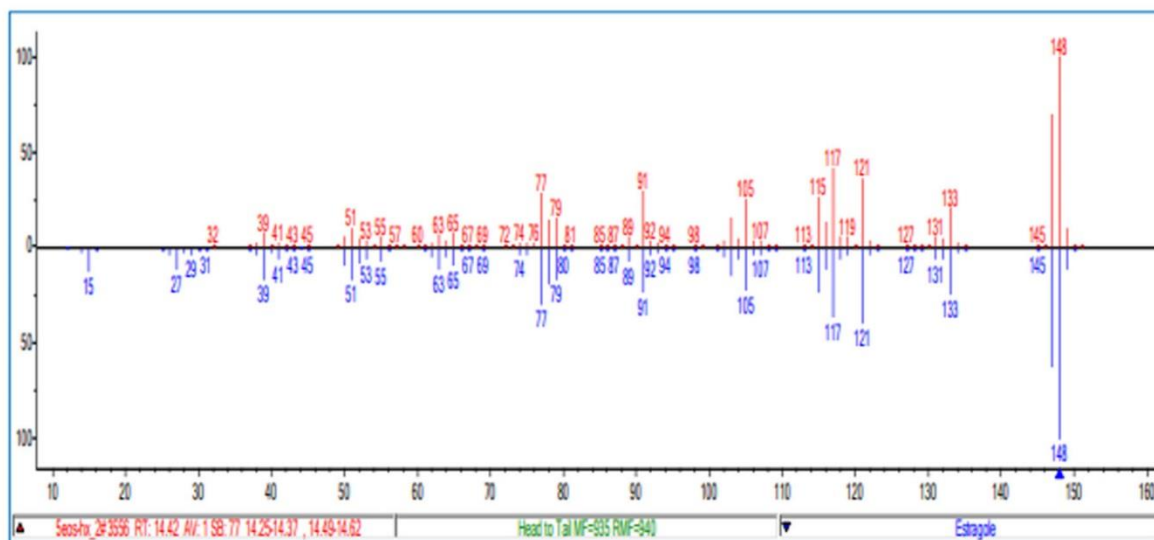


Figure S5: Estragole and its NIST database comparison data (R.T: 14.43 min.)

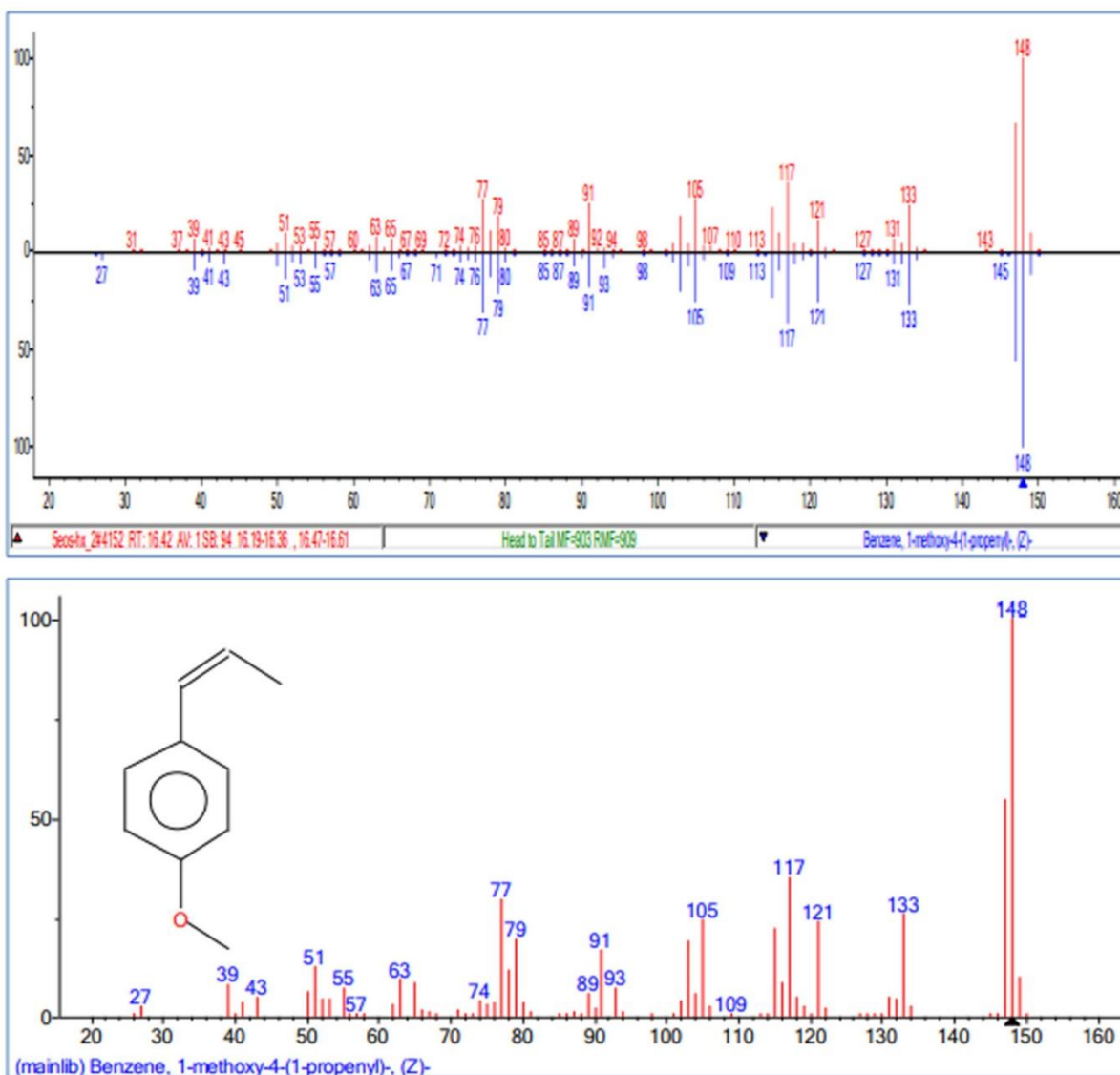


Figure S6: *cis*-Anethole and its NIST database comparison data (R.T: 16.42 min.)

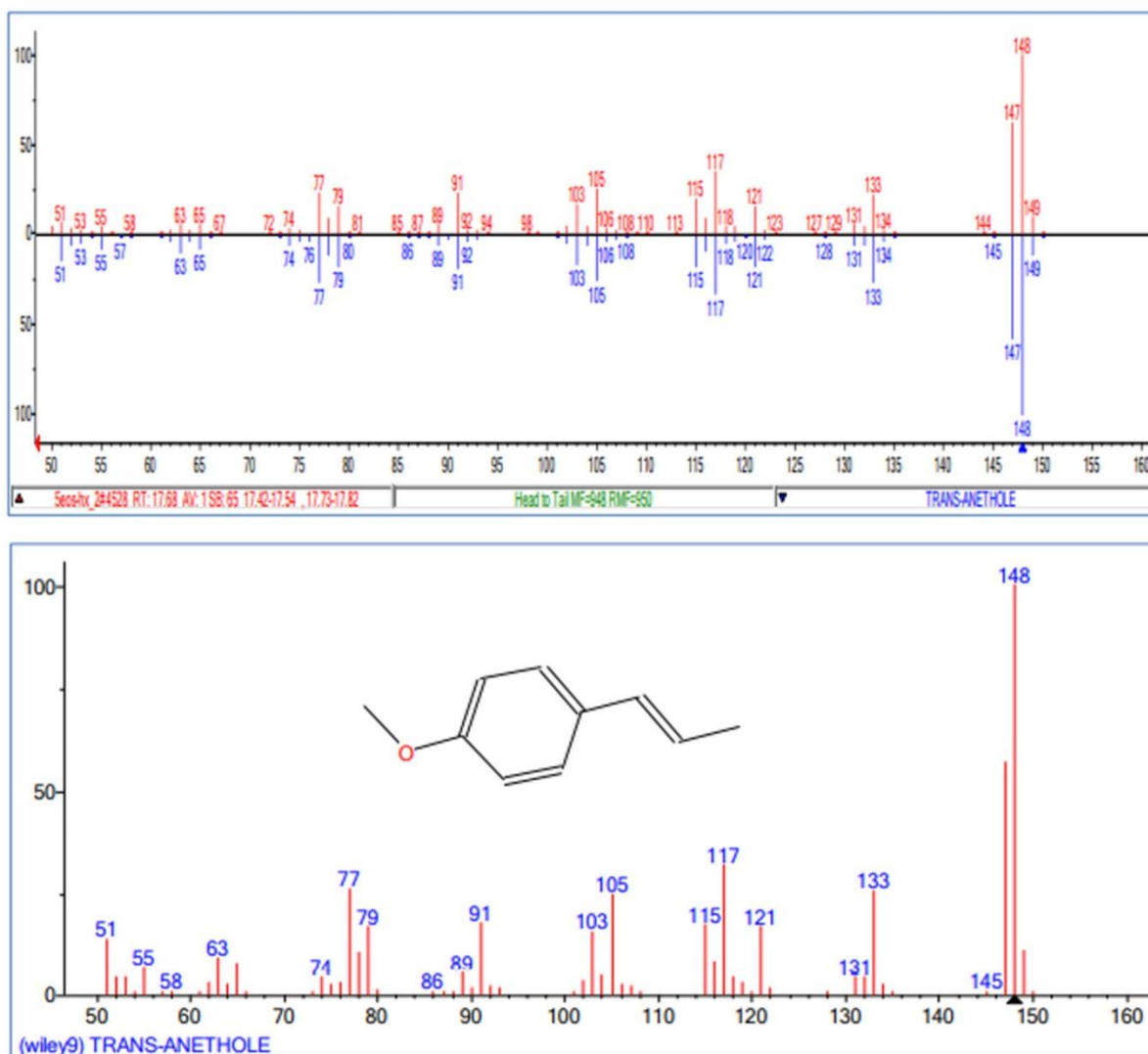


Figure S7: *trans*-Anethole and its NIST database comparison data (R.T: 17.70 min.)