

Supporting Information for:

**Fragmentation of a Linoleate-derived γ -Hydroperoxy- α,β -
unsaturated Epoxide to γ -Hydroxy- and γ -Oxo-alkenals Involves a
Unique Pseudo Symmetrical Diepoxycabinyll Radical**

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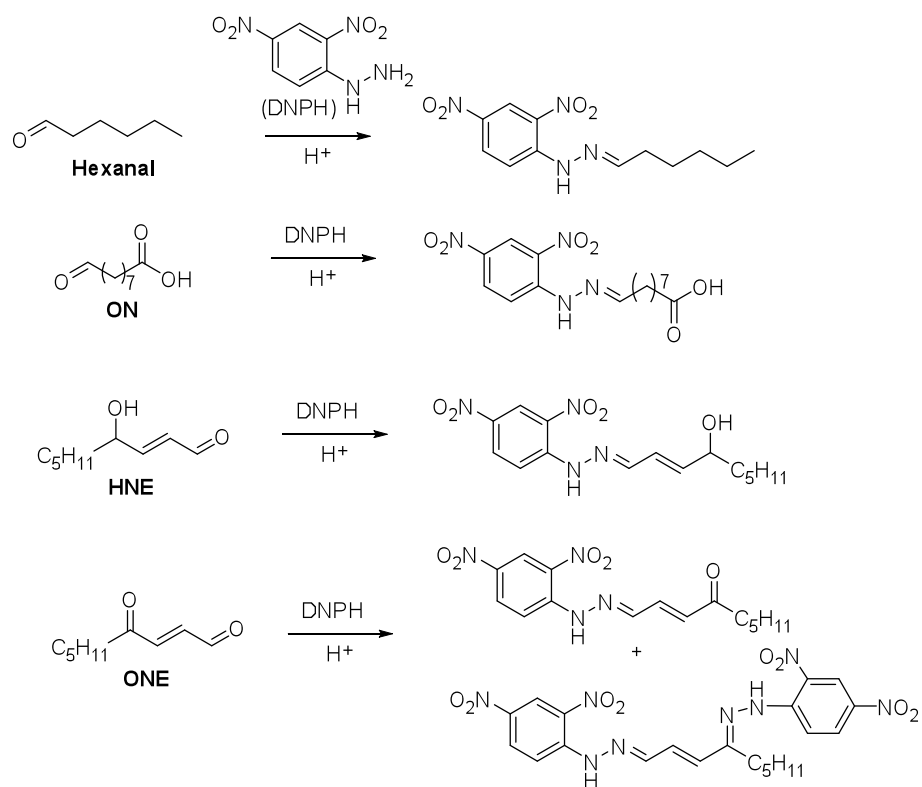


Fig. S1. Derivatization of hexanal, ON, HNE and ONE with DNPH.

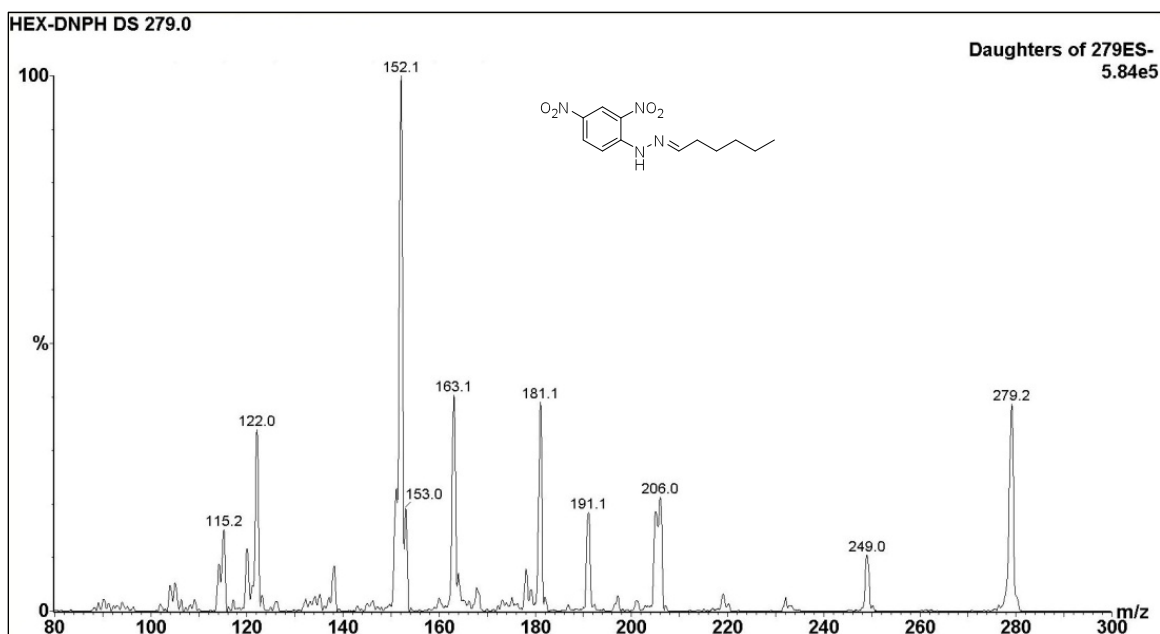


Fig. S2. Negative ion ESI-MS/MS spectrum of Hexanal-DNPH.

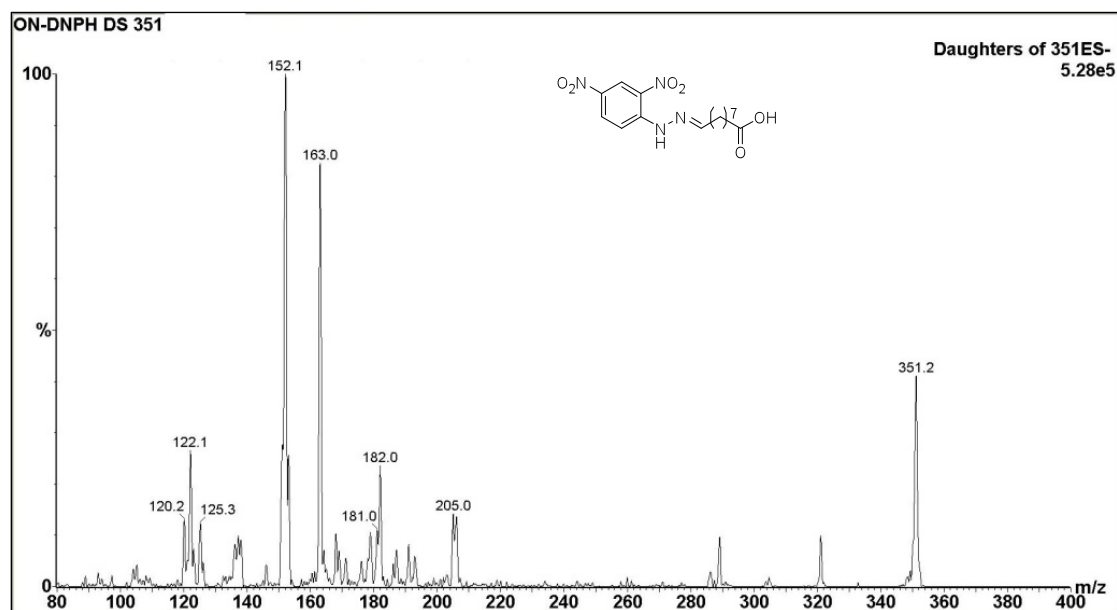


Fig. S3. Negative ion ESI-MS/MS spectrum of ON-DNPH.

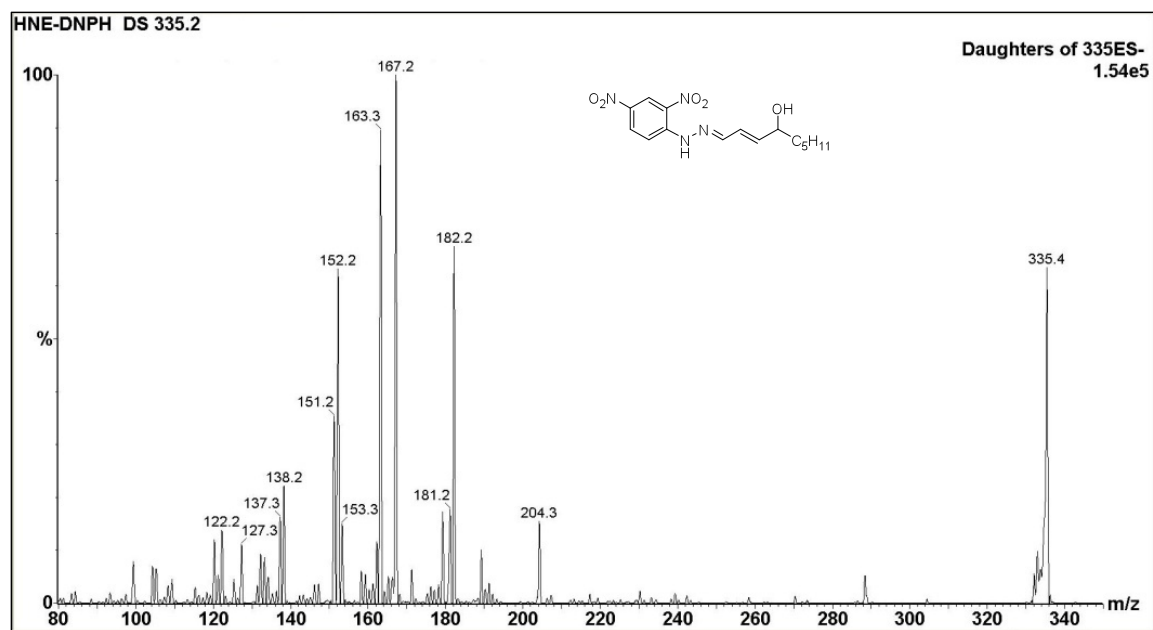


Fig. S4. Negative ion ESI-MS/MS spectrum of HNE-DNPH.

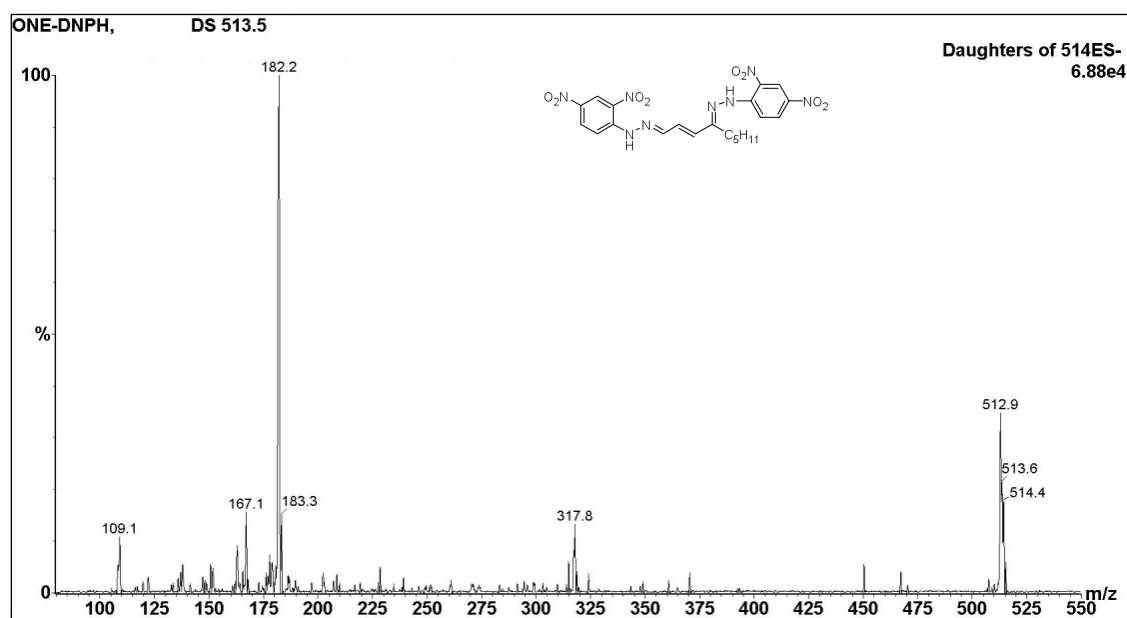


Fig. S5. Negative ion ESI-MS/MS spectrum of ONE-DNPH.

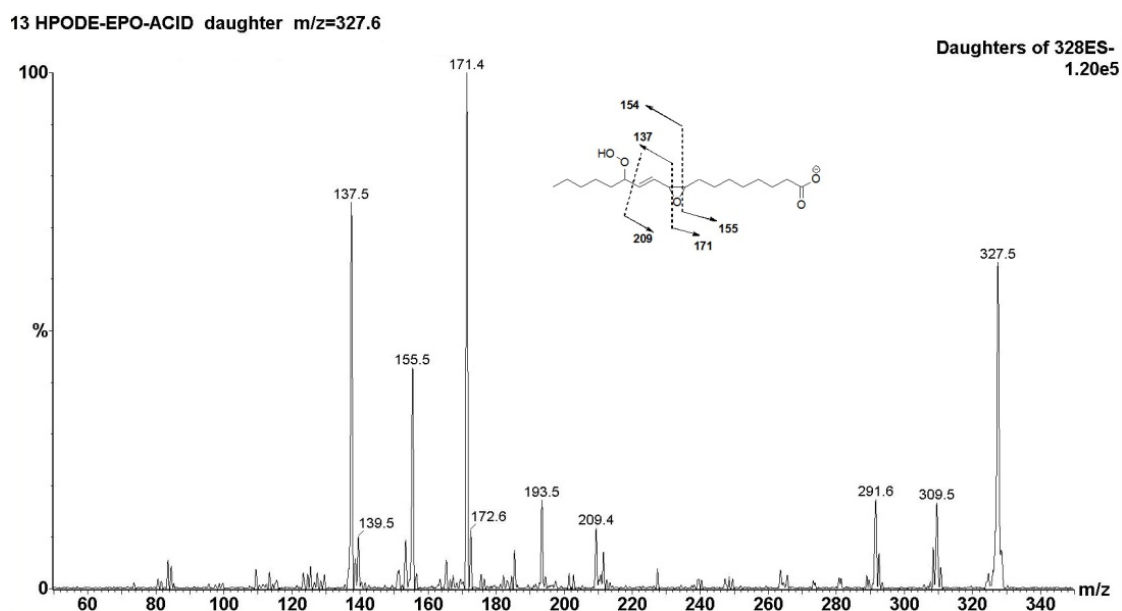


Fig. S6. Negative ion ESI-MS/MS spectrum of 13-HP-Epo-Acid (**11**).

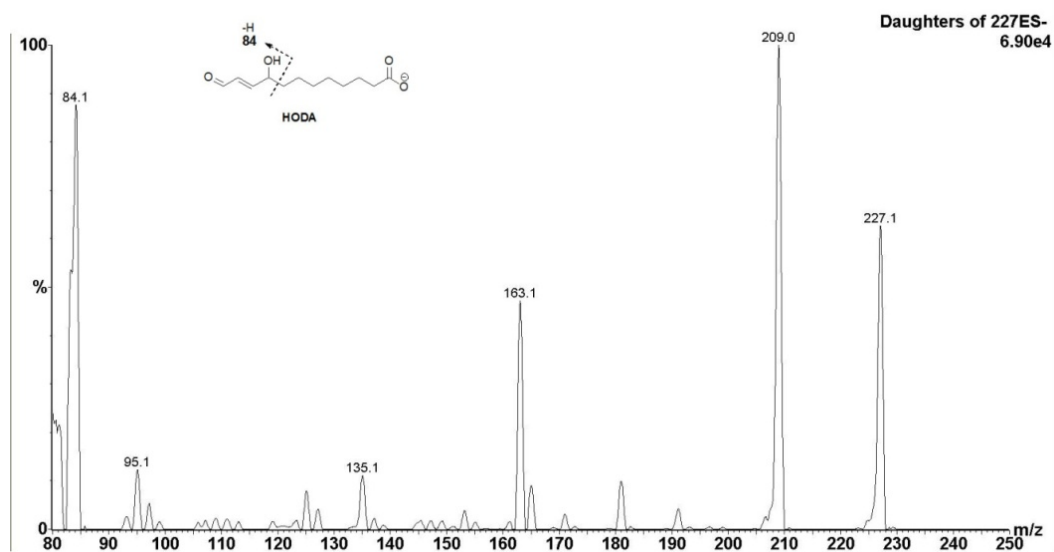


Fig. S7. Negative ESI-MS/MS spectrum of authentic HODA (**13**).

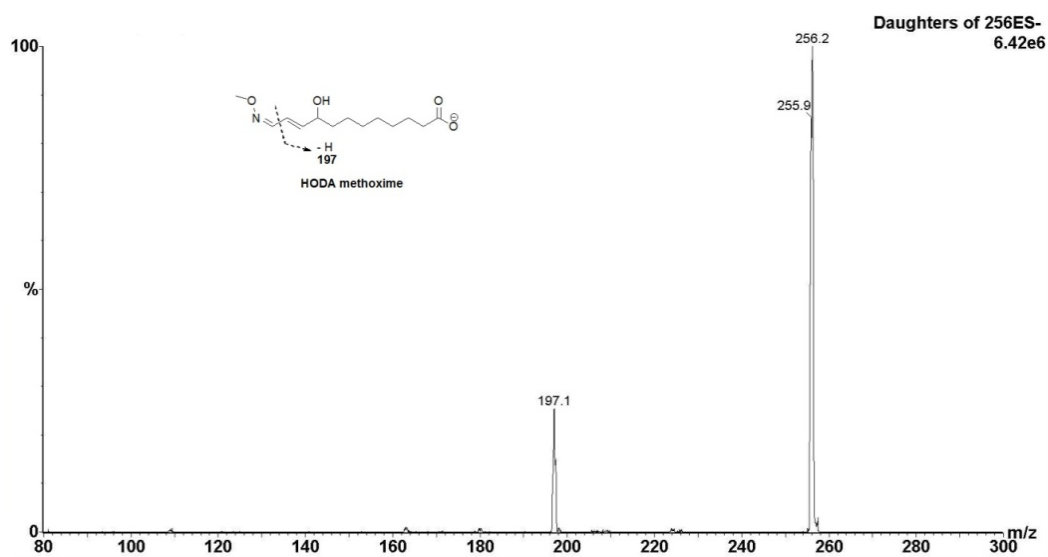


Fig. S8. Negative ion ESI-MS/MS spectrum of **HODA methoxime**.

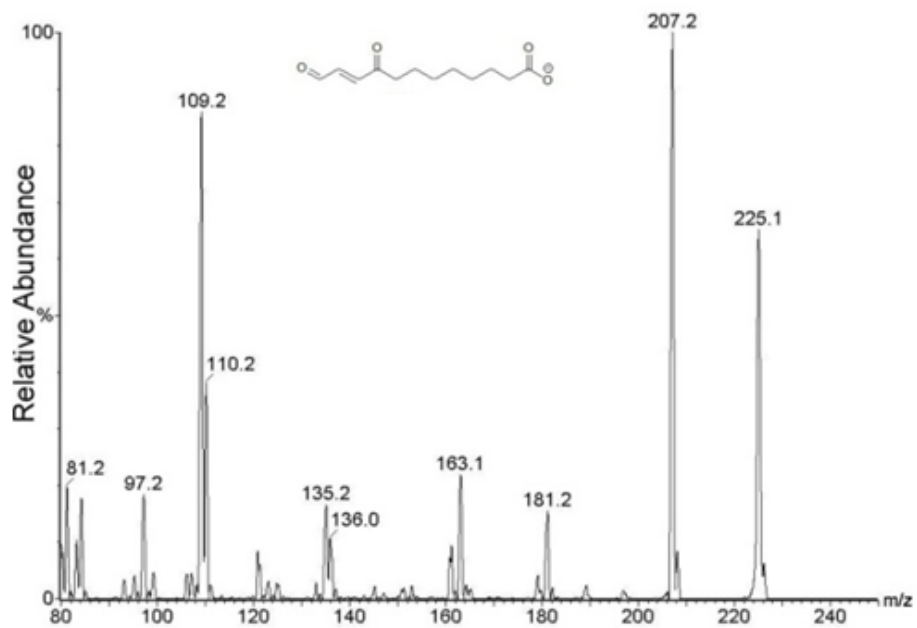


Fig. S9. Negative ion ESI-MS/MS spectrum of **KODA (14)**.

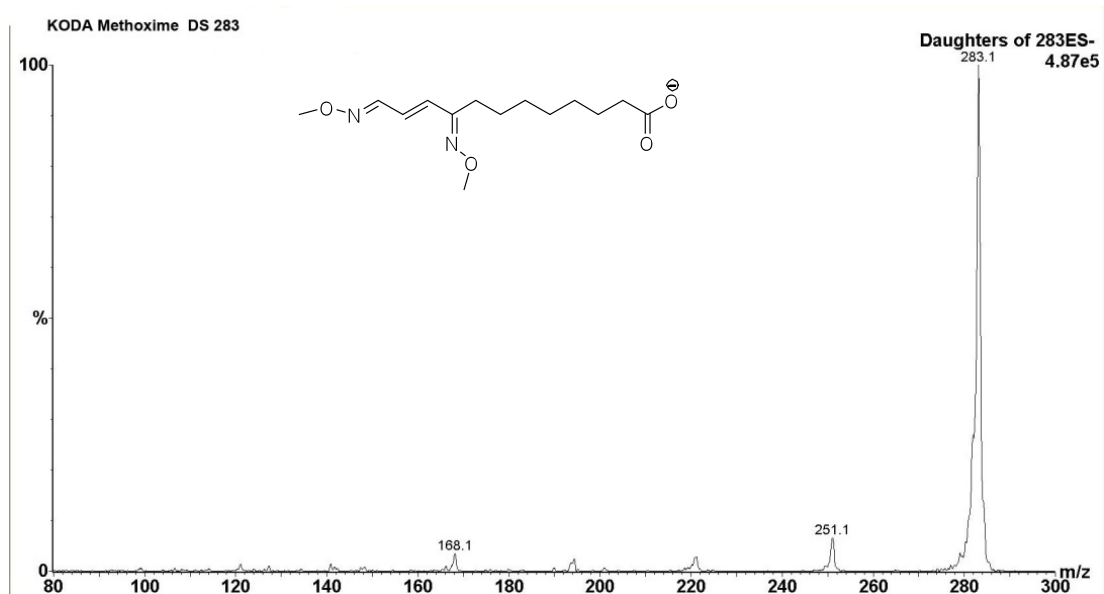


Fig. S10. Negative ion ESI-MS/MS spectrum of KODA methoxime.

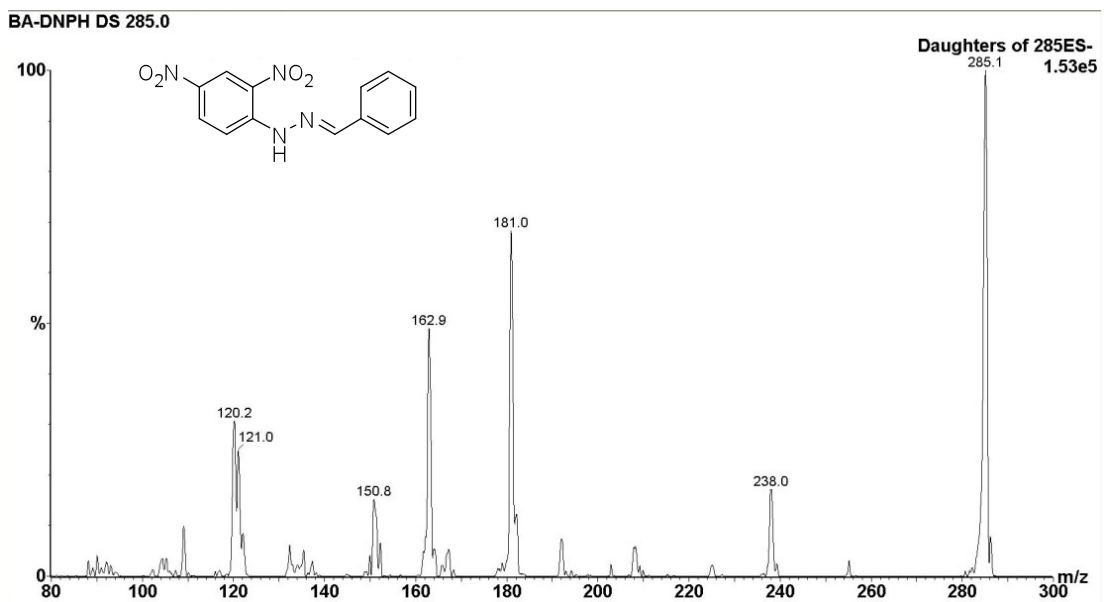


Fig. S11. Negative ion ESI-MS/MS spectrum of benzaldehyde-DNPH.

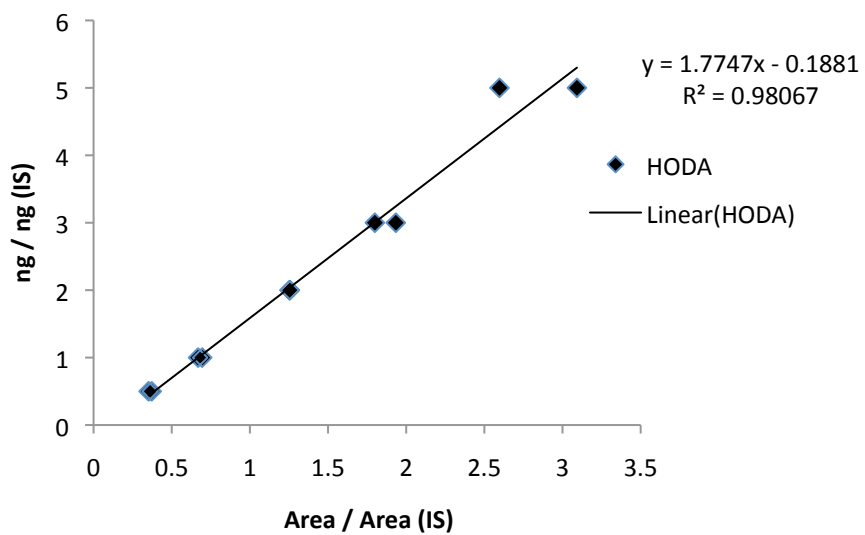


Fig. S12. Calibration curve of HODA (13).

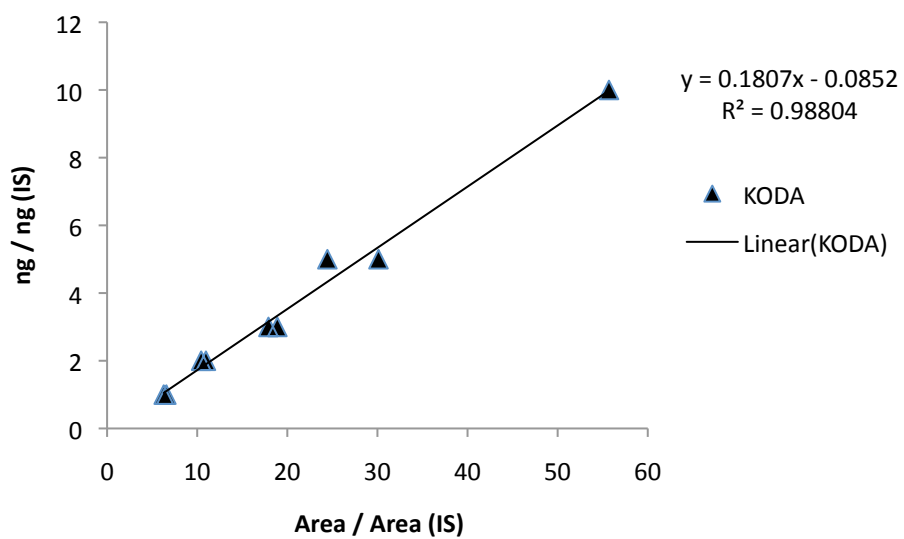


Fig. S13. Calibration curve of KODA (14).

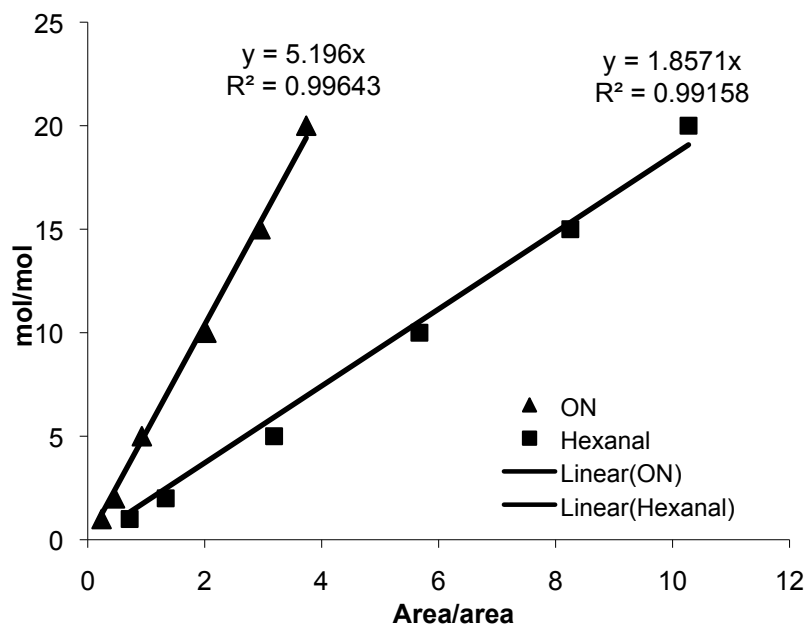


Fig. S14. Calibration curve of Hexanal and ON (12) through DNPH derivatization.

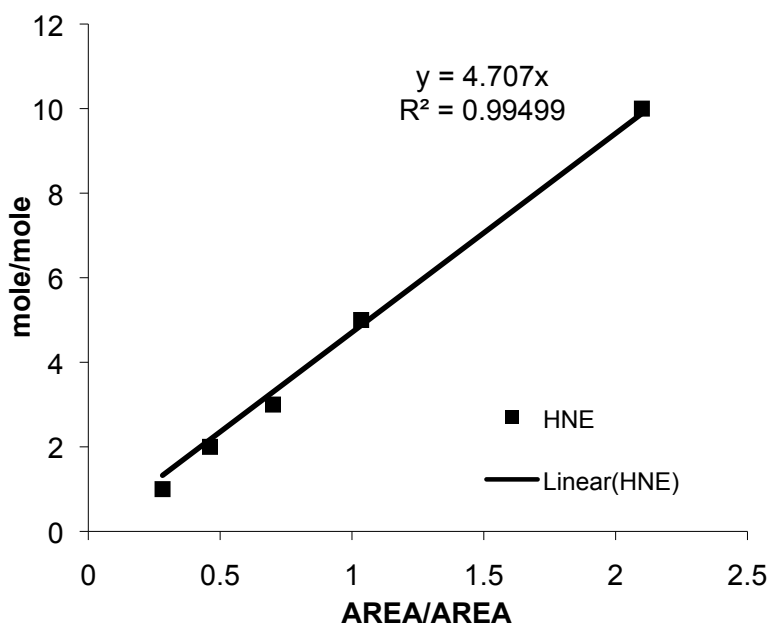


Fig. S15. Calibration curve of HNE (9) through DNPH derivatization.

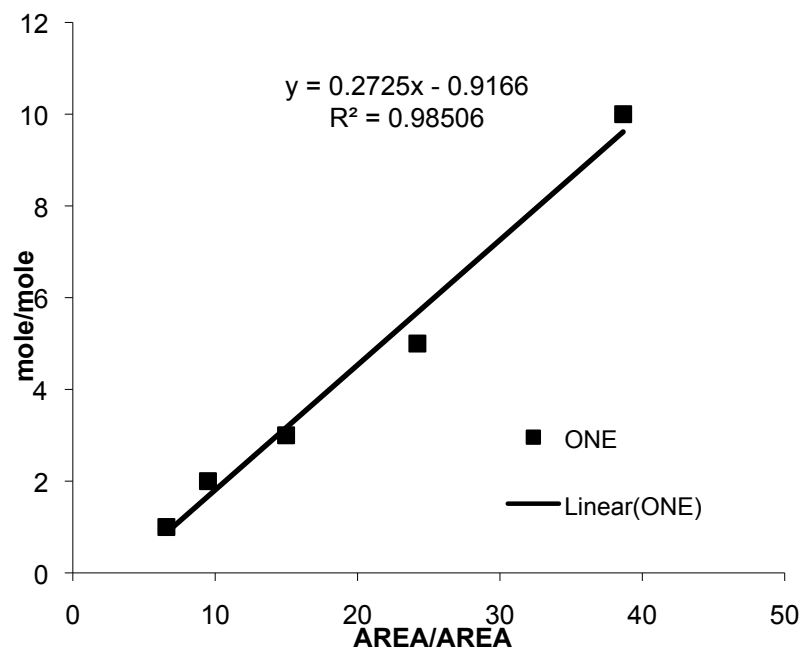


Fig. S16. Calibration curve of ONE (**10**) through DNPH derivatization.