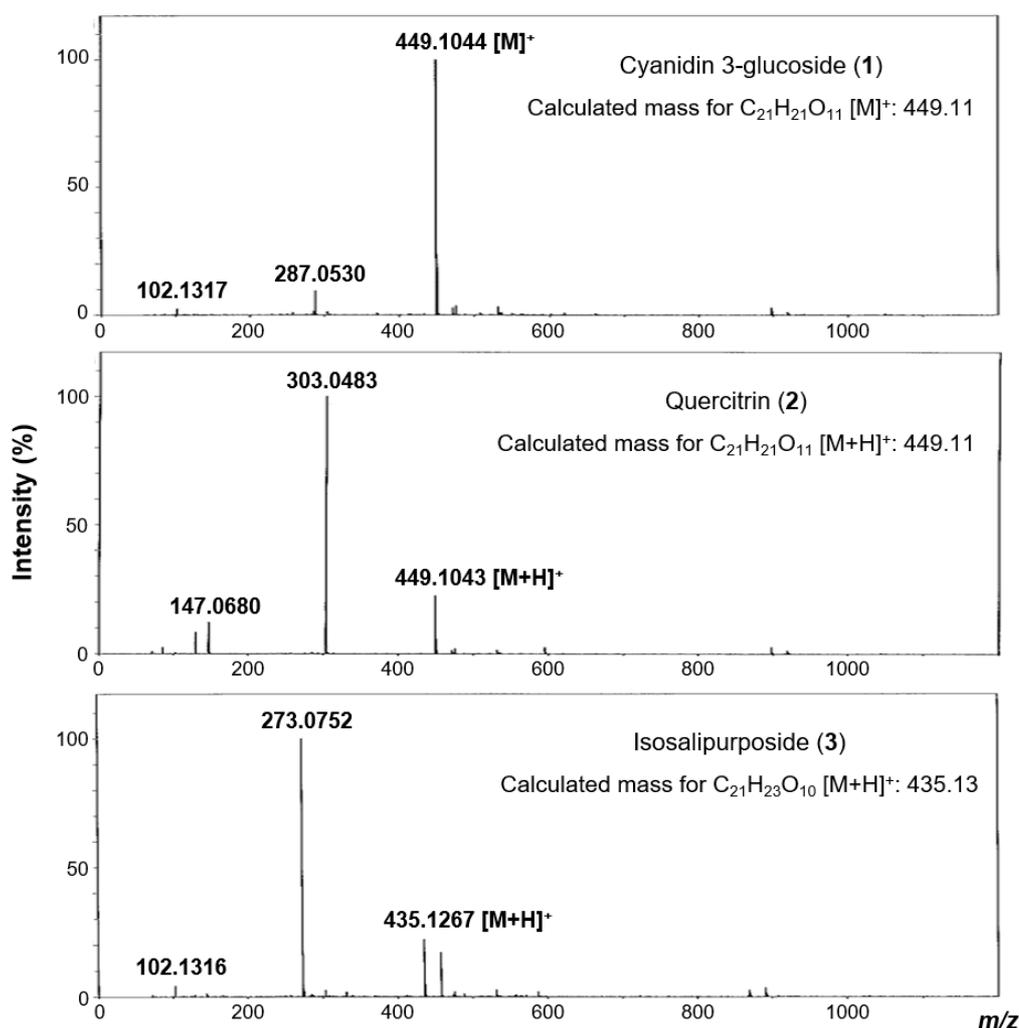


1 Supporting Information

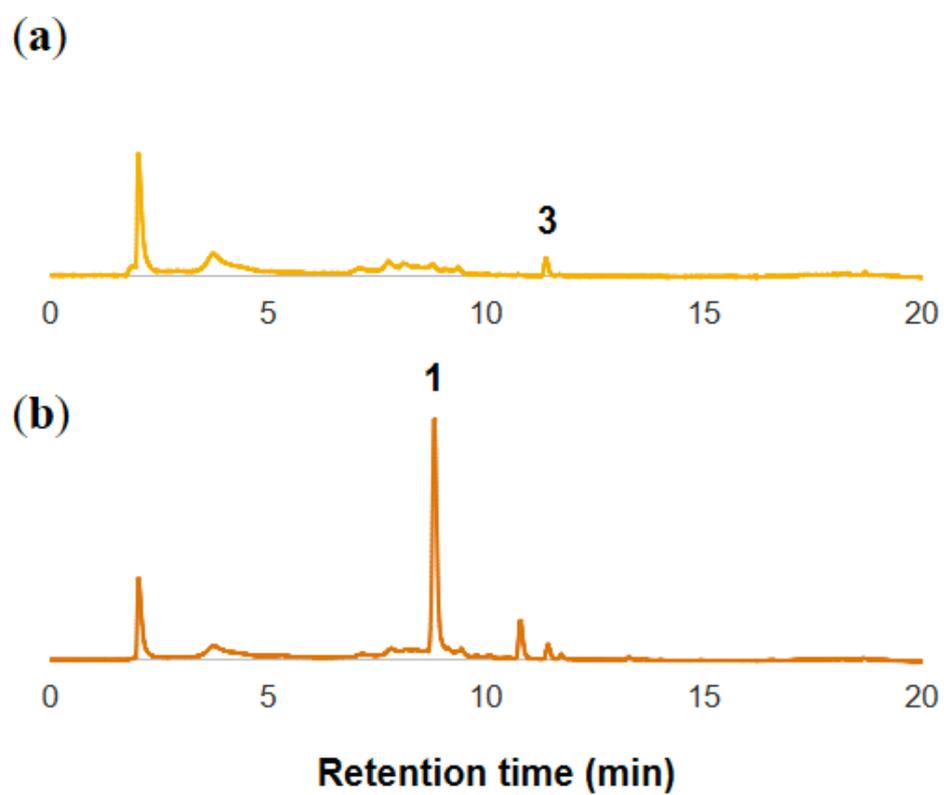
2 **Mechanism of petal color change of *Oenothera***
3 **flowers during senescence by chemical analysis of**
4 **flavonoid content**

5 Yada Teppabut, Kin-ichi Oyama, Tadao Kondo and Kumi Yoshida

6 Supplementary materials

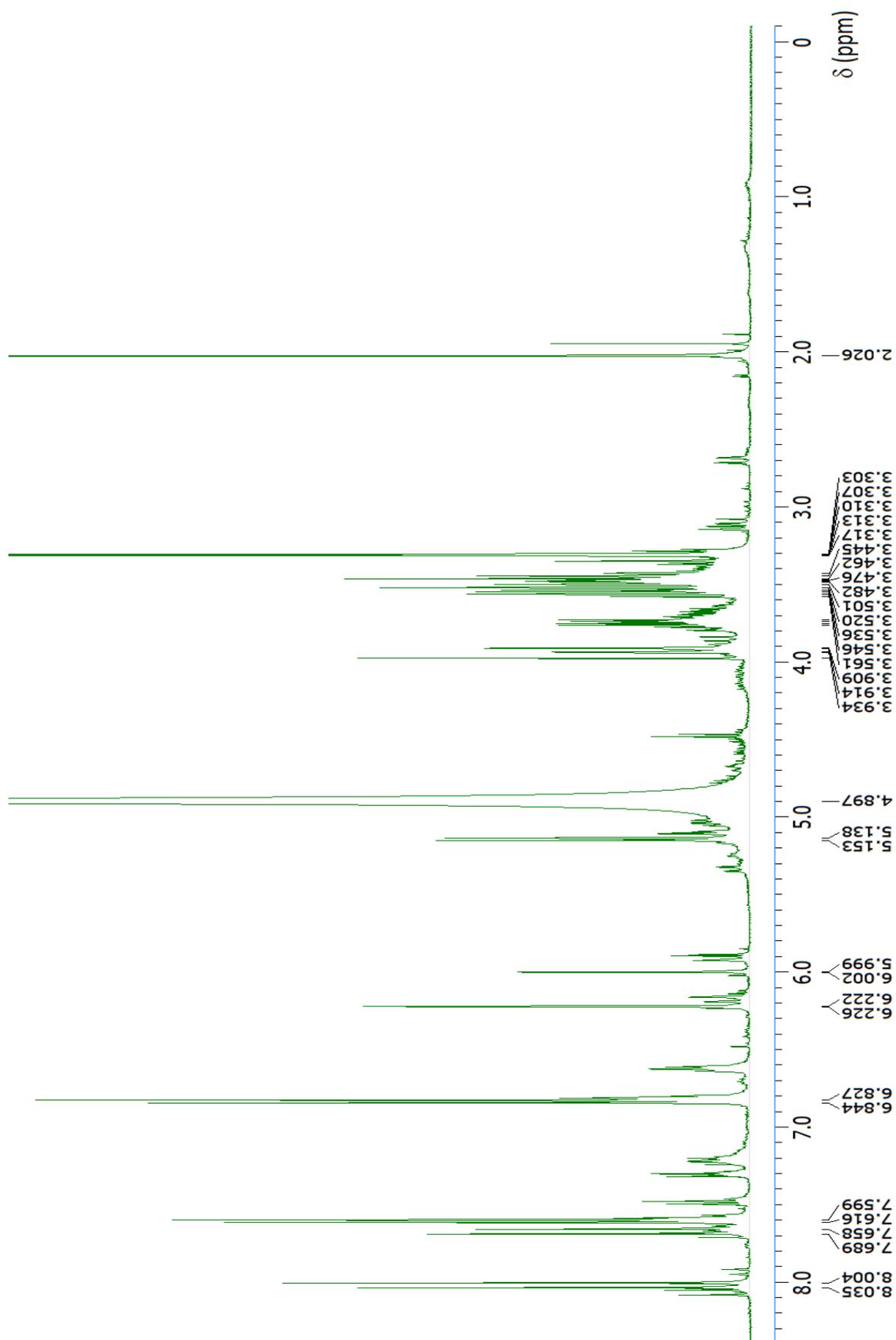


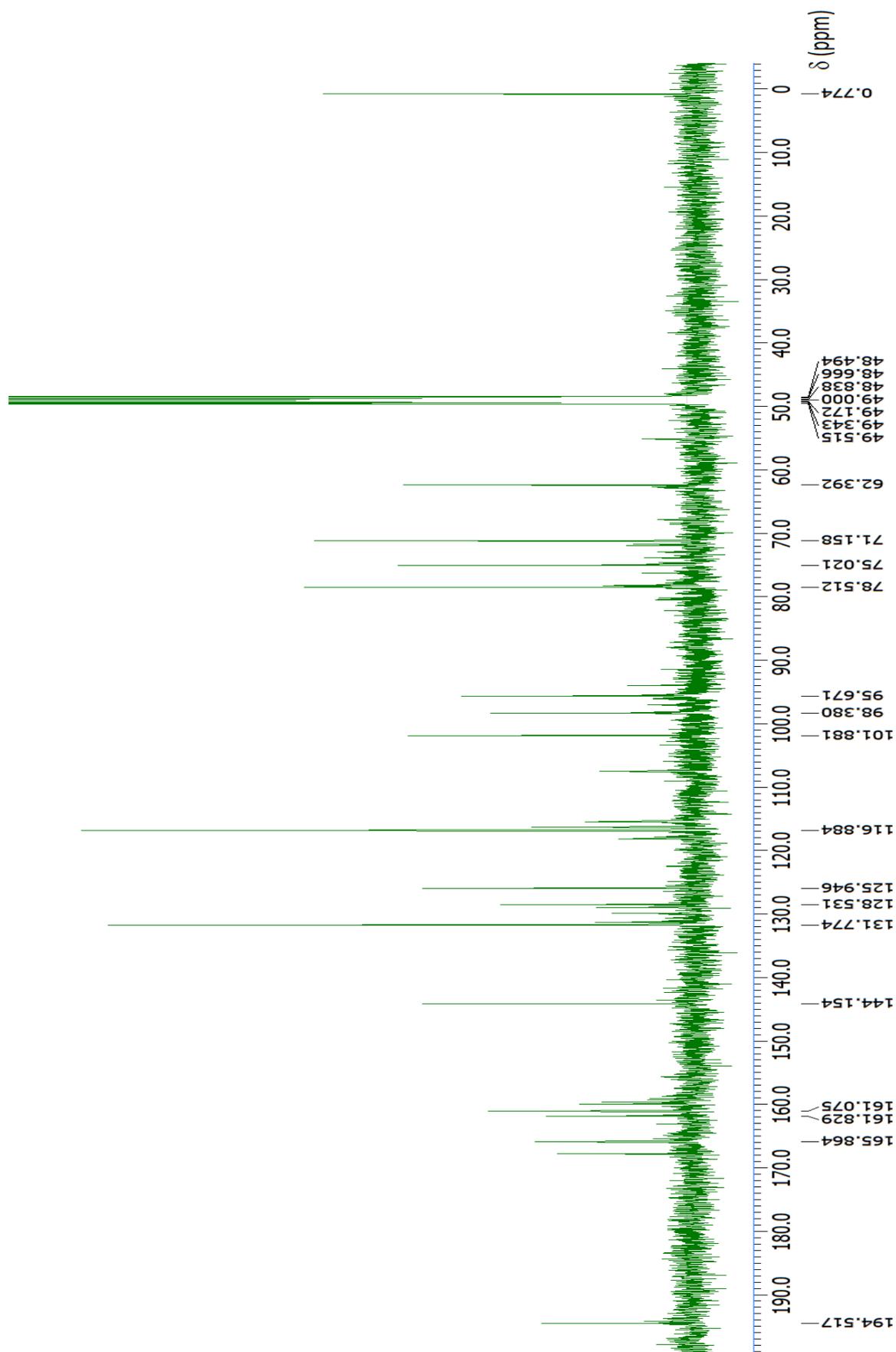
7 **Figure S1.** The LC-MS spectra of Cy3G (1), quercitrin (2) and isosalipurposide (3) from the extracts of
8 *Oenothera* flowers. The spectra of Cy3G (1) and quercitrin (2) were obtained from the extract of
9 *Oenothera tetraptera*, whereas the spectra of Cy3G (1) and isosalipurposide (3) was observed in
10 *Oenothera laciniata* petal's extract.

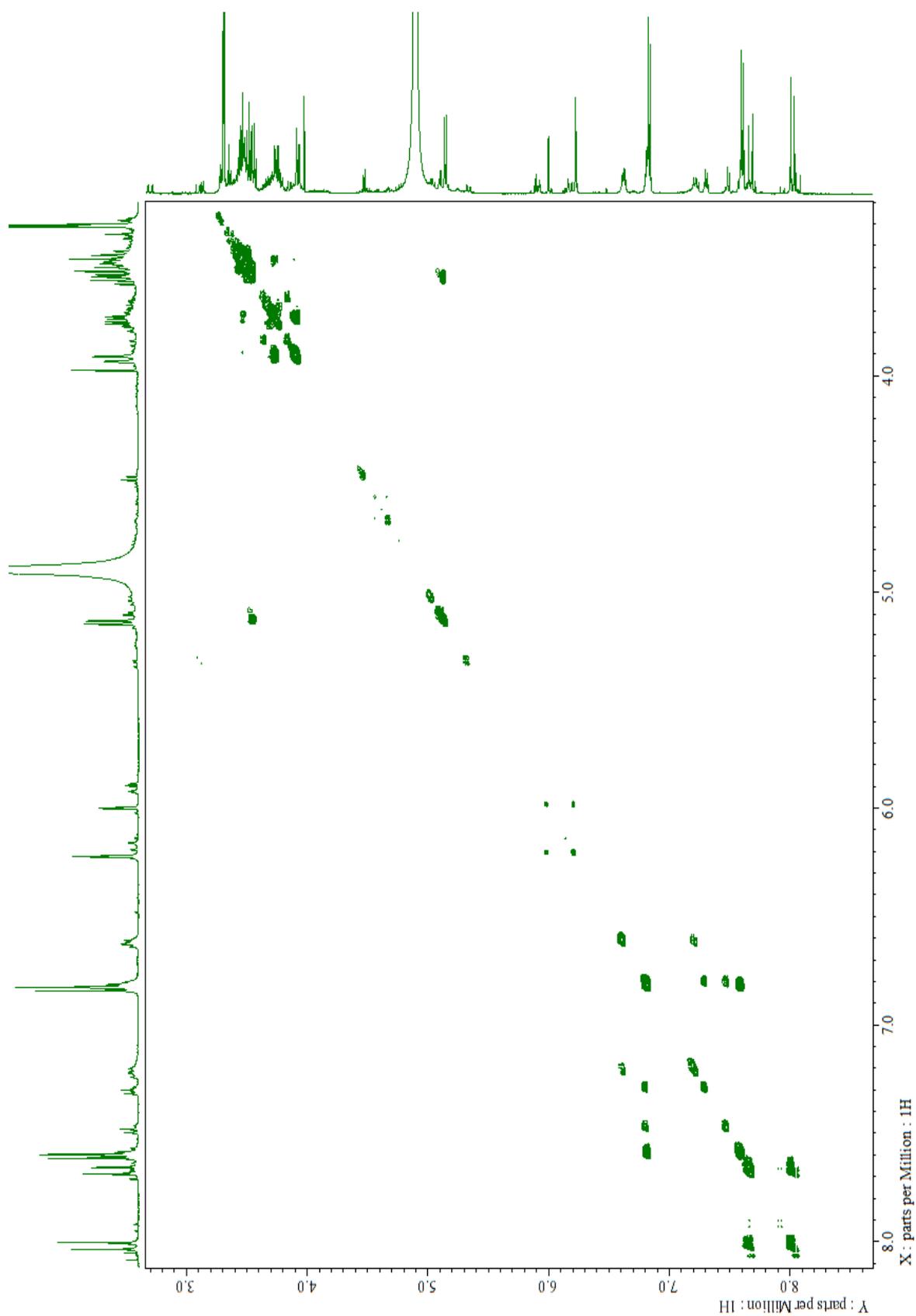


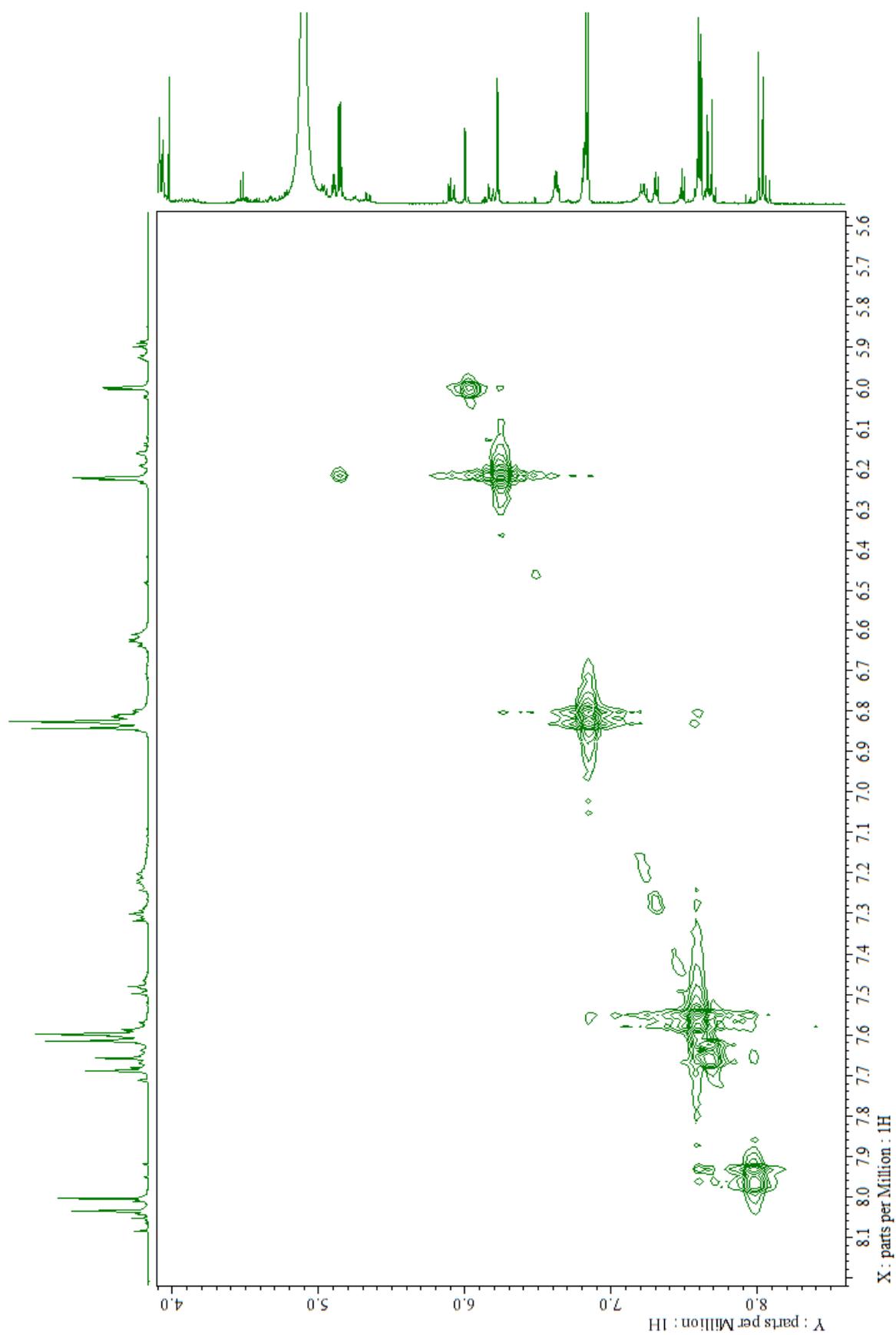
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Figure S2. HPLC chromatogram of the extracts from petals of *O. stricta*. (a) Yellow petals at 0 h; (b) Orange petals at 12 h.



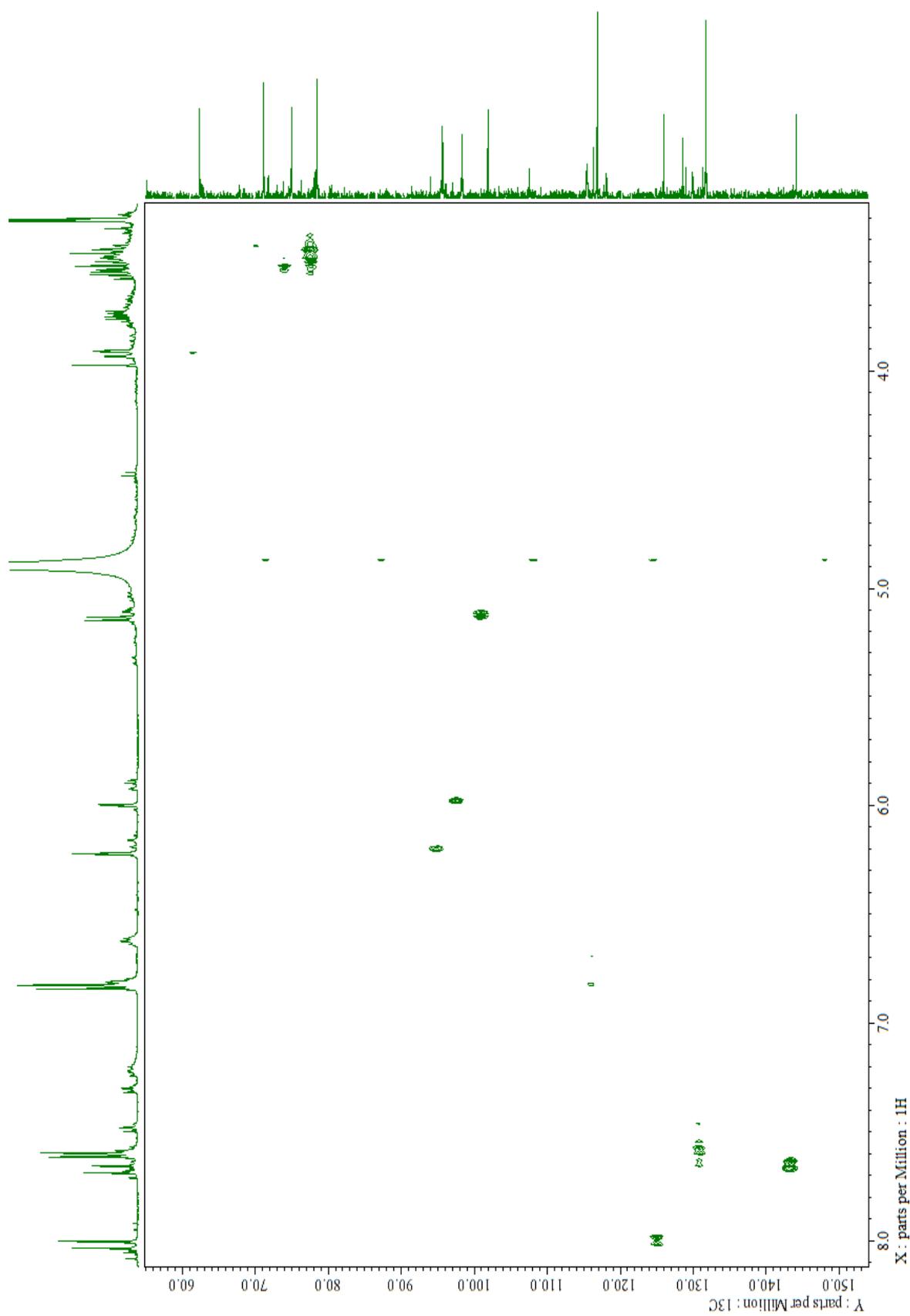






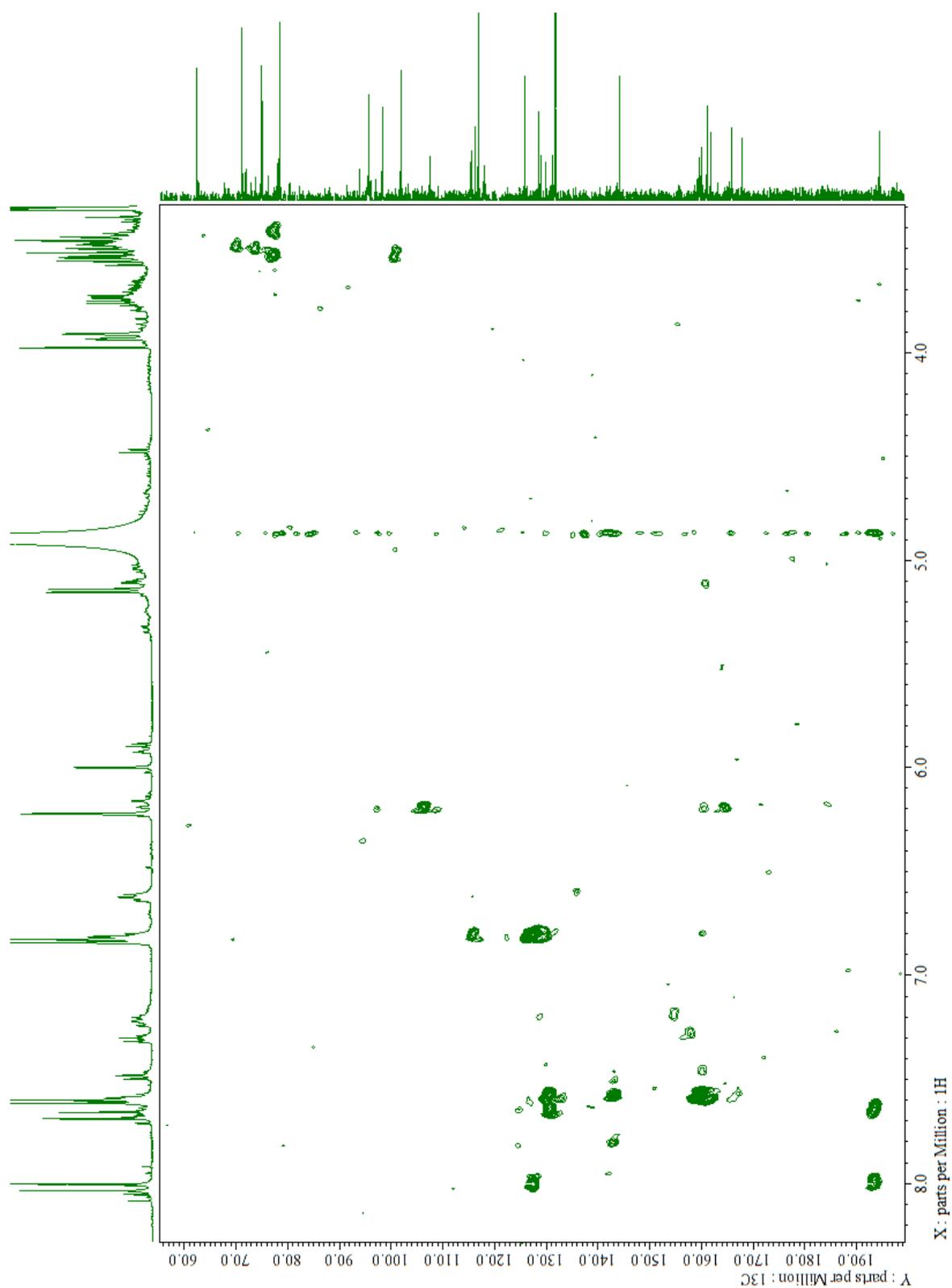
16

Figure S6. The NOESY spectrum of isosalipurposide (3) in CD₃OD at 63 °C.



17

Figure S7. The HMQC spectrum of isosalipurside (3) in CD_3OD at 25 °C.



18 **Figure S8.** The HMBC spectrum of isosalipurposide (**3**) in CD_3OD at $25\text{ }^\circ\text{C}$.

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