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ARTICLE INFO

ABSTRACT

Article history:

Keywords:

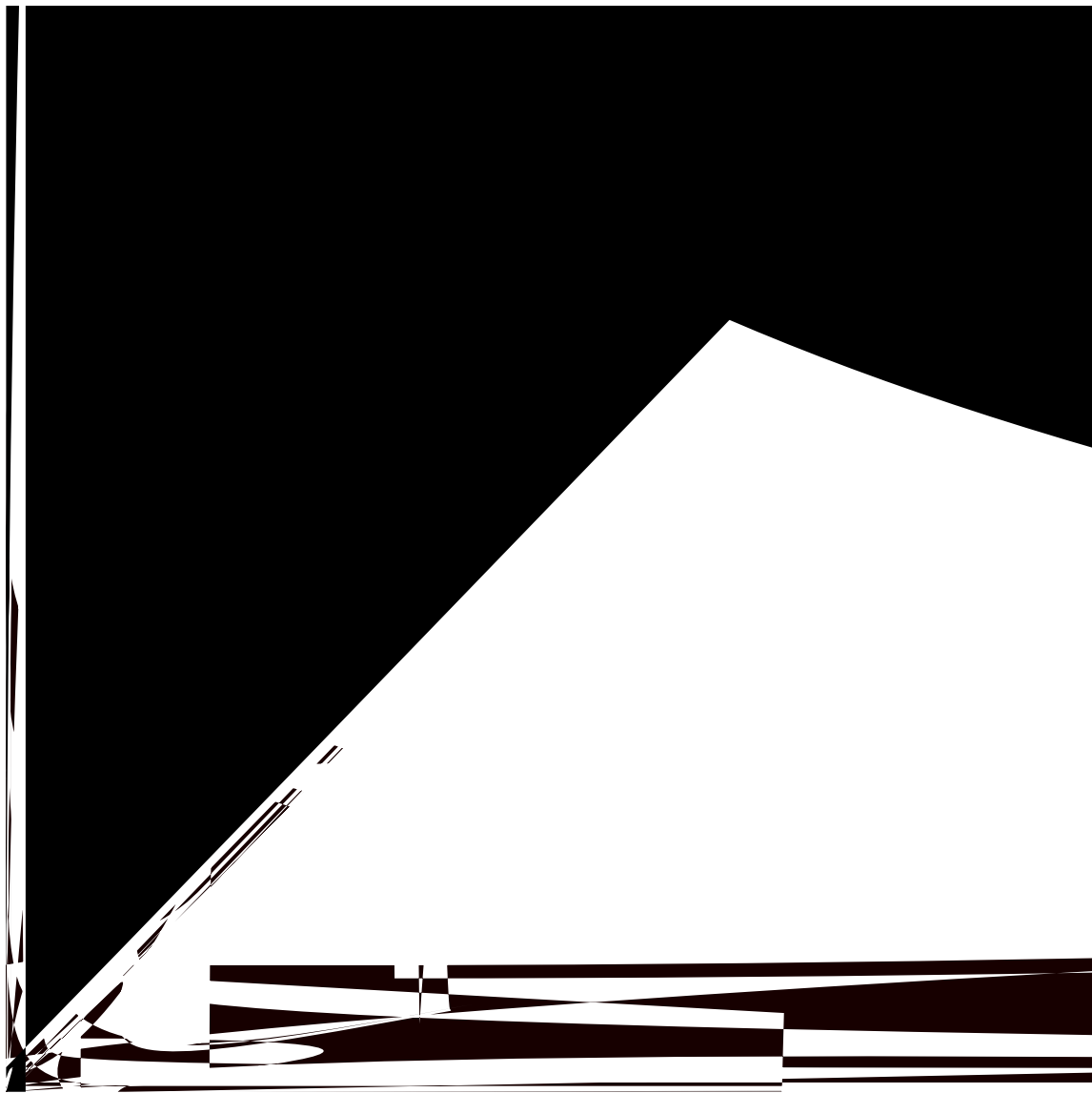
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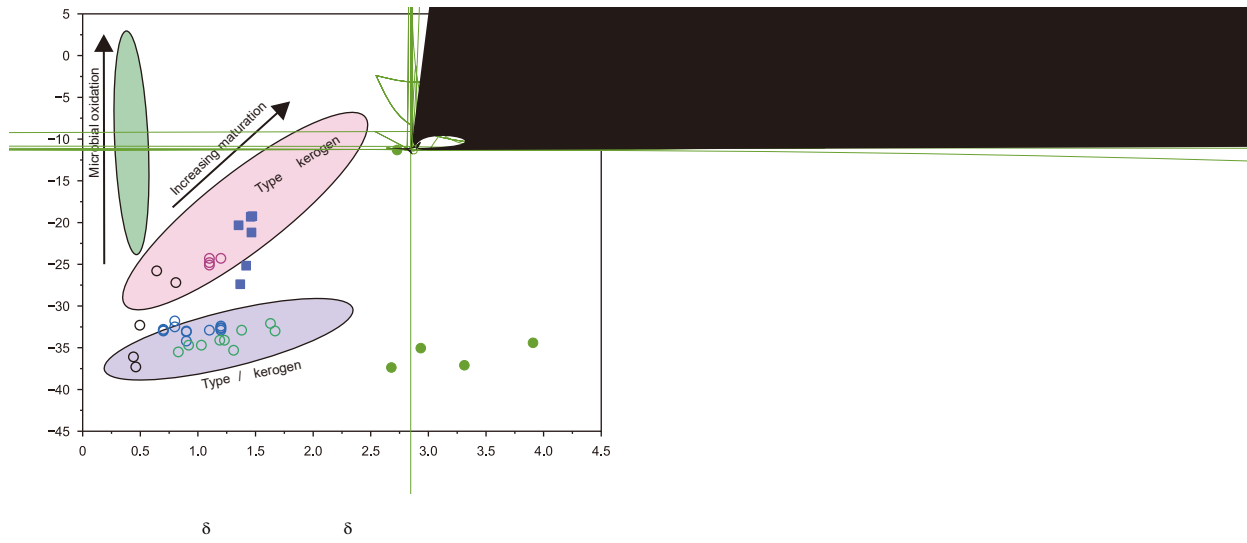
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3.4. PS carbon isotope composition of propane

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5.2. Generation pathway of propane revealed by PS isotope analysis

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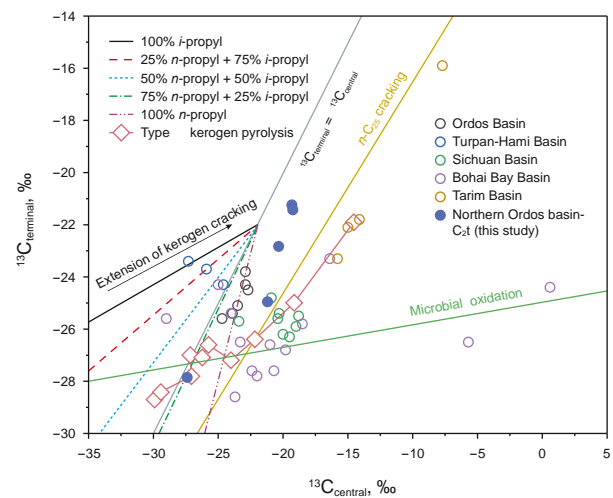
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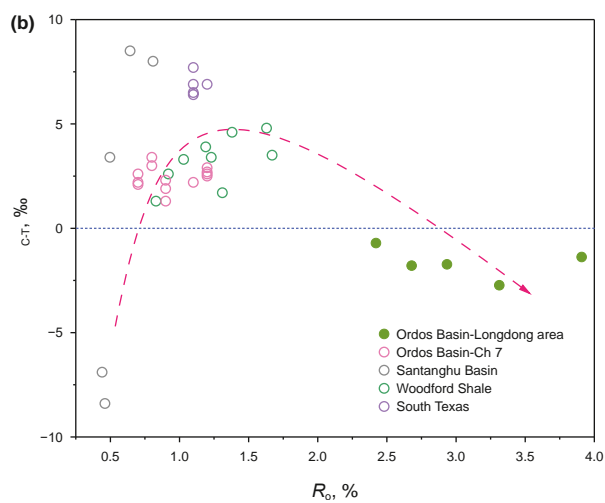
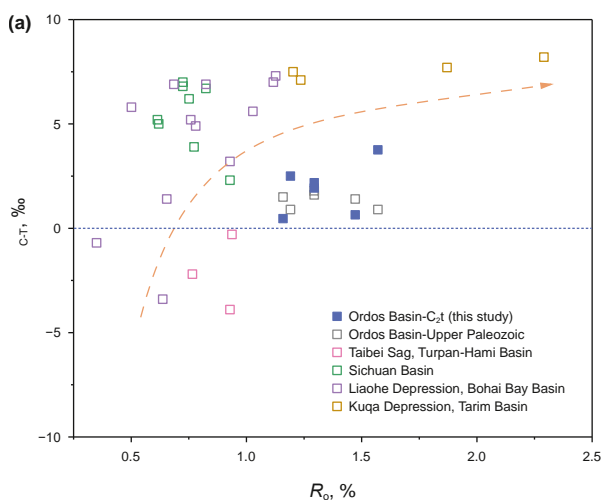
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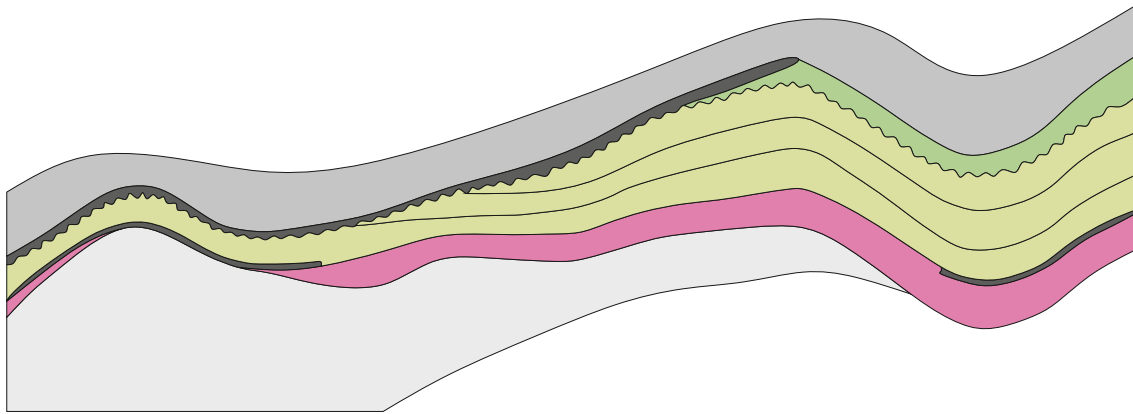


5.3. Intramolecular isotopic re-rollover caused by retention of hydrocarbon molecules at early maturation



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5.4. Implications for gas source identification and geological significance

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