

Appendix 8. Biomarker Ratio Key (m/z 191 Terpanes, m/z 217 Steranes, and m/z 231 Triaromatic Steroids) from GC/MS Chromatogram Data.

Abbreviation	Definition
C ₂₆ Tri/C ₂₄ Tet	C ₂₆ S+R Tricyclic Terpanes / C ₂₄ Tetracyclic Terpane
C ₁₉ /C ₂₃ Tri	C ₁₉ Tricyclic Terpane / C ₂₃ Tricyclic Terpane
C ₂₂ /C ₂₁ Tri	C ₂₂ Tricyclic Terpane / C ₂₁ Tricyclic Terpane
C ₂₄ /C ₂₃ Tri	C ₂₄ Tricyclic Terpane / C ₂₃ Tricyclic Terpane
C ₂₆ /C ₂₅ Tri	C ₂₆ Tricyclic Terpane / C ₂₅ Tricyclic Terpane
C ₃₅ S/C ₃₄ S	C ₃₅ 22S Hopane / C ₃₄ 22S Hopane
C ₂₃ Tri/H, TRIHOP	C ₂₃ Tricyclic Terpane / Hopane
C ₂₉ /H, NORHOP	C ₂₉ Norhopane / Hopane
C ₃₁ R/H	C ₃₁ 22R Homohopane / Hopane
X/H	C ₃₀ Diahopane / Hopane
C ₂₇ Ts/Tm	C ₂₇ 18 α Trisnorhopane / C ₂₇ 17 α Trisnorhopane
GA/C ₃₁ R	Gammacerane / C ₃₁ 22R Hopane
C ₃₁ H (S/S+R)	C ₃₁ 22S Hopane / (C ₃₁ 22S + 22R Hopane) (decimal fraction)
C ₃₂ H (S/S+R)	C ₃₂ 22S Hopane / (C ₃₂ 22S + 22R Hopane) (decimal fraction)
C ₂₇ Ster	C ₂₇ $\alpha\alpha\alpha$ 20R Sterane (decimal fraction)
C ₂₈ Ster	C ₂₈ $\alpha\alpha\alpha$ 20R Sterane (decimal fraction)
C ₂₉ Ster	C ₂₉ $\alpha\alpha\alpha$ 20R Sterane (decimal fraction)
C ₂₇ Dia/Ster	C ₂₇ $\beta\alpha$ 20S Diasterane / C ₂₇ $\alpha\alpha\alpha$ 20R Sterane
C ₂₉ Ster (S/S+R)	(C ₂₉ $\alpha\alpha\alpha$ 20S Sterane) / (C ₂₉ $\alpha\alpha\alpha$ 20S + 20R Sterane) (decimal fraction)
C ₂₉ Ster ($\beta\beta/\beta\beta+\alpha\alpha$)	(C ₂₉ $\alpha\beta\beta$ 20R Sterane) / (C ₂₉ $\alpha\beta\beta$ 20R Sterane + $\alpha\alpha\alpha$ 20R Sterane) (decimal fraction)
TA C ₂₀ /(C ₂₀ +C ₂₈)	(C ₂₀ Triaromatic) / (C ₂₀ + C ₂₈ 20S + C ₂₈ 20R Triaromatic) Steroids (decimal fraction)

Note: Peak heights values were used for all ratios.