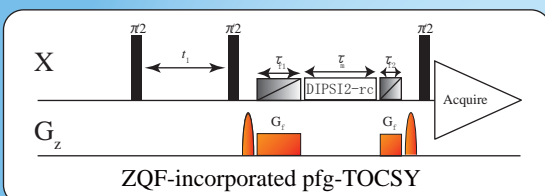


ZQC suppression sequence

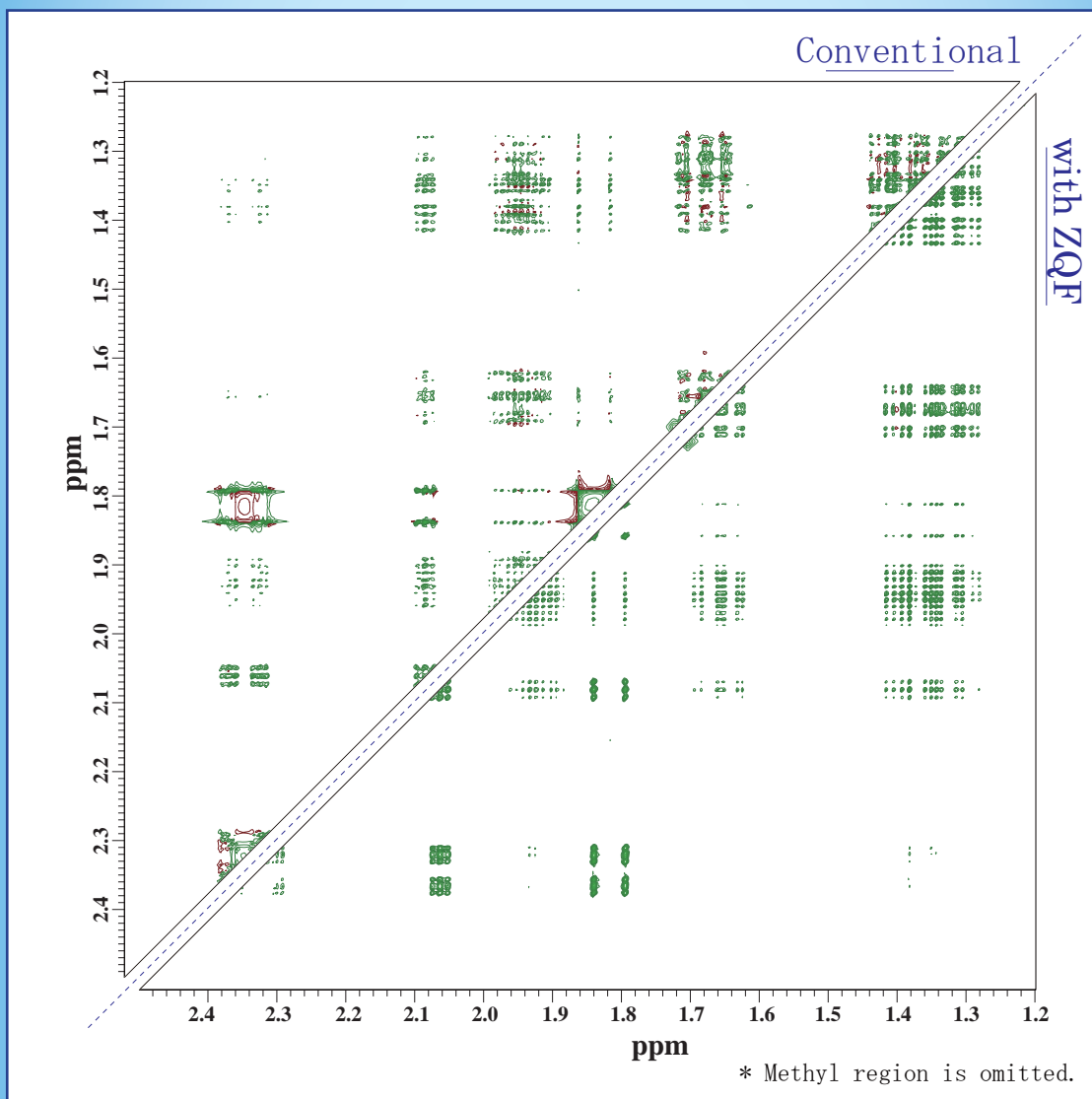
Unwanted anti-phase lineshape signals derived from "ZQC", which were problems in NOESY and TOCSY, can easily be reduced !!

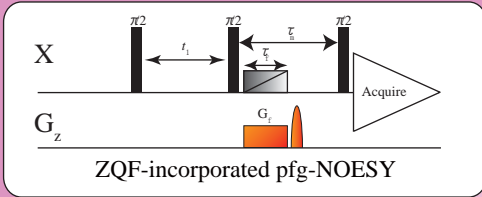
* The present results are based on the method reported in:
M. J. Thrippleton and J. Keeler, *Angew. Chem. Int. Ed.*, **42**, 3938 (2003).



Quadrature detection type pfg-TOCSY

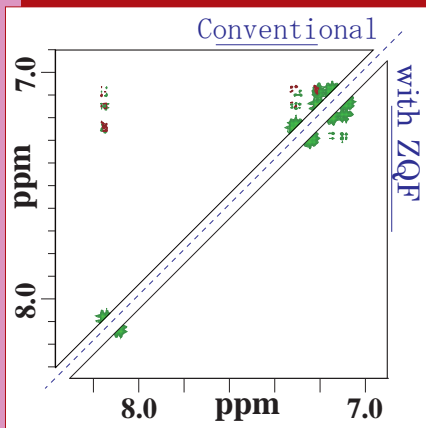
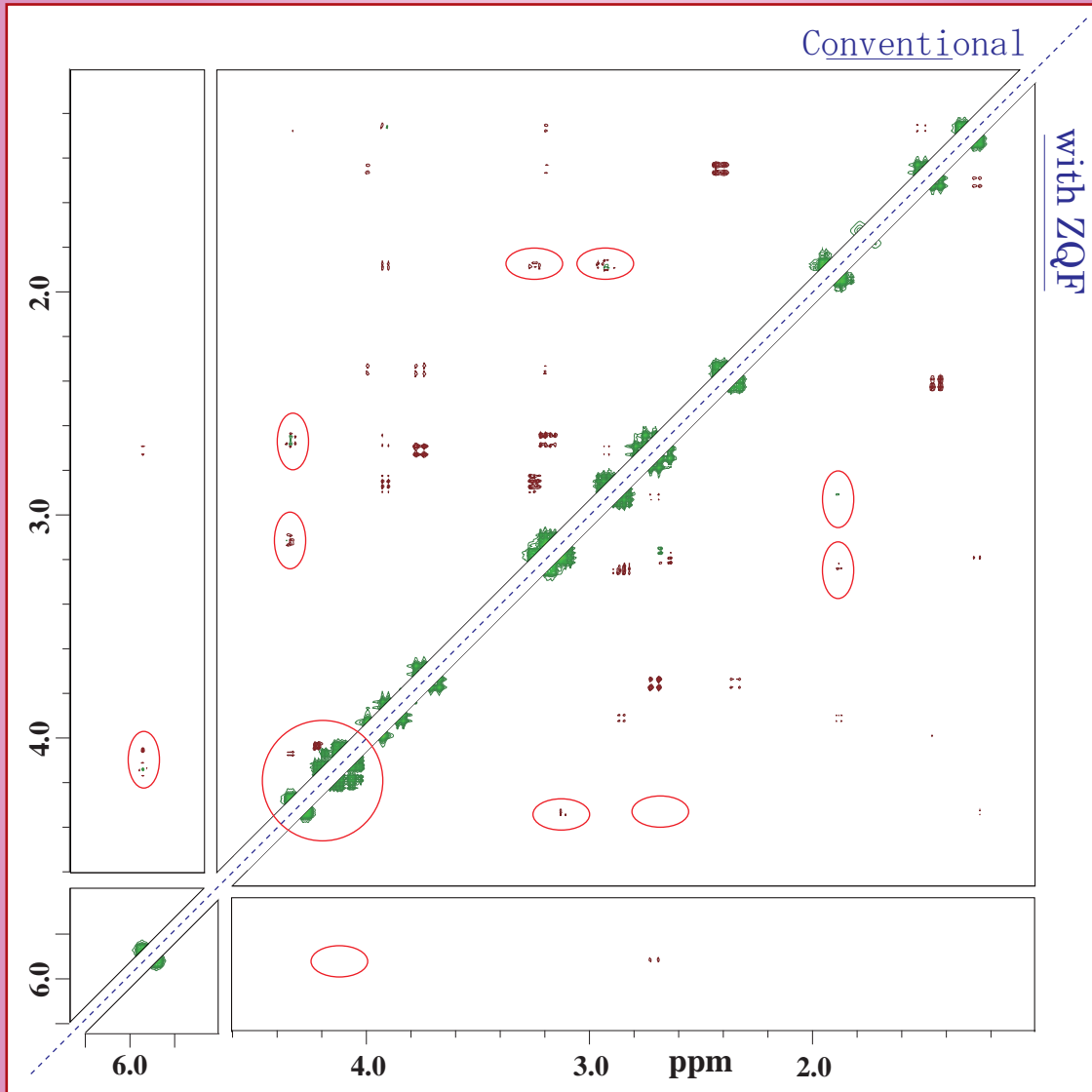
~ZQF~
Spectrometer: JNM-ECX400 Pulse width τ_{f1} : 50ms
Sample: camphor Pulse width τ_{f2} : 30ms
Mixing time τ_m : 50ms Bandwidth: 30kHz
Accumulation: 4scan Field gradient: 24mT/m





Quadrature detection type pfg-NOESY

~ZQF~
 Spectrometer: JNM-ECX400 Pulse width τ : 50ms
 Sample: camphor Bandwidth: 30kHz
 Mixing time t_m : 500ms Field gradient: 24mT/m
 Accumulation: 8scan



Affected by unwanted signals derived from ZQC.