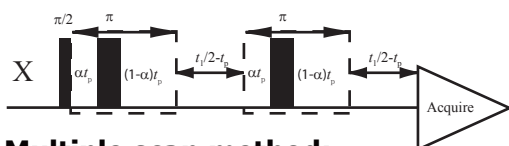


Reduction of unwanted signals in J-resolved spectroscopy

Method for reducing unwanted signals derived from "strong couplings"

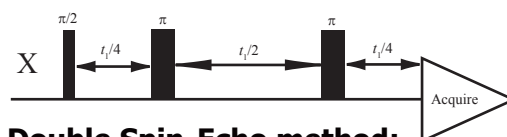
* The present results are based on the method reported in:

M. J. Thrippleton, R. A. E. Edden, J. Keeler, *J. Magn. Reson.*, **174**, 97, (2005).



Multiple scan method:

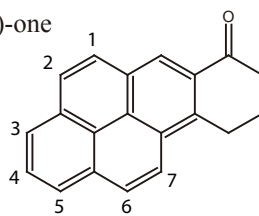
All the unwanted signals can be reduced, though signal may decay due to multiple accumulation and T2 relaxation during t_p .



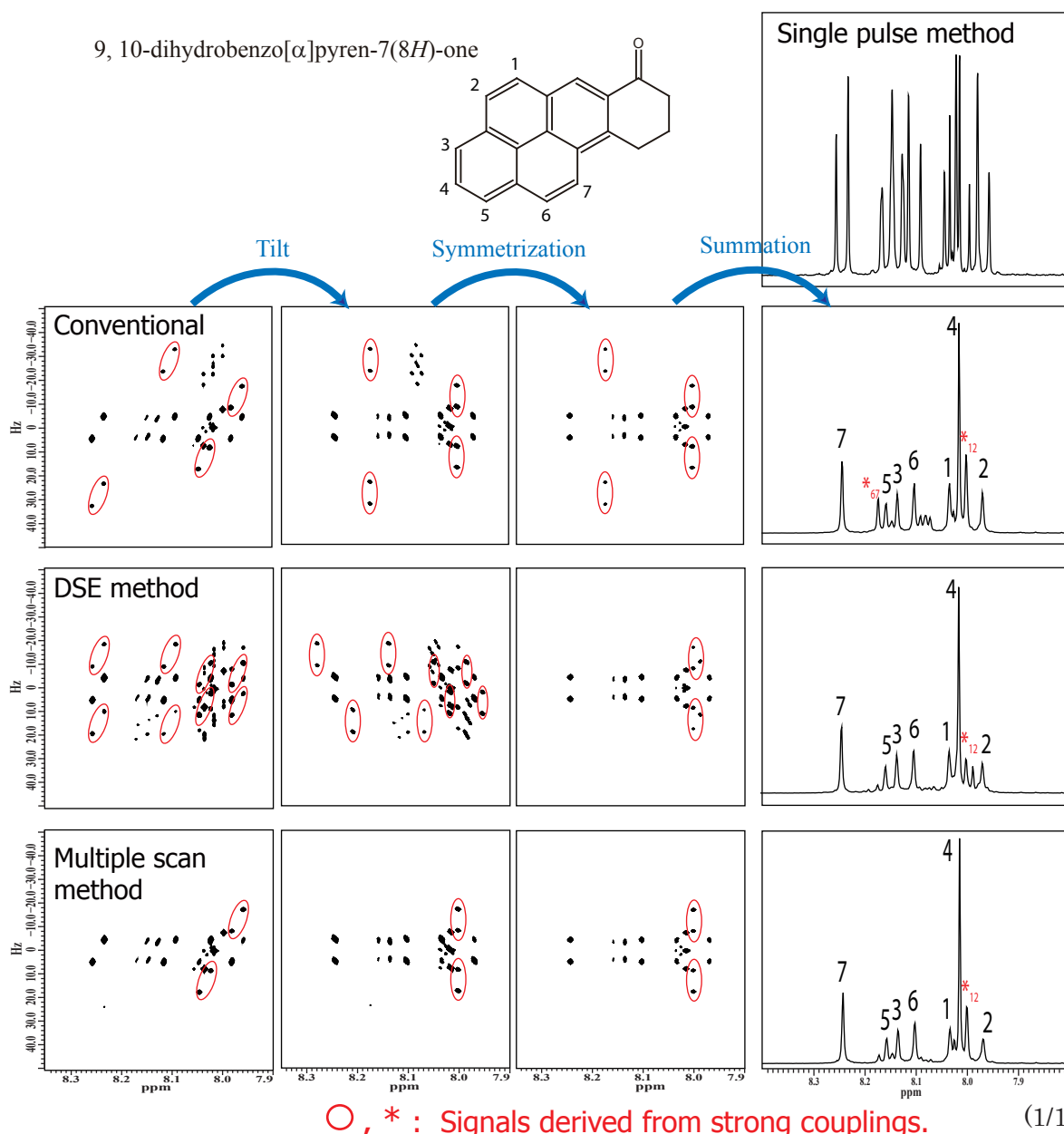
Double Spin-Echo method:

Unwanted signals are removed by symmetrization of a single-scan spectrum, though signals happening to appear symmetrically cannot be removed.

9, 10-dihydrobenzo[α]pyren-7(8H)-one



Single pulse method



○, * : Signals derived from strong couplings.

(1/1)