

The New Carotenoid Pigment Moraxanthin is Associated with a Toxic Microalgae

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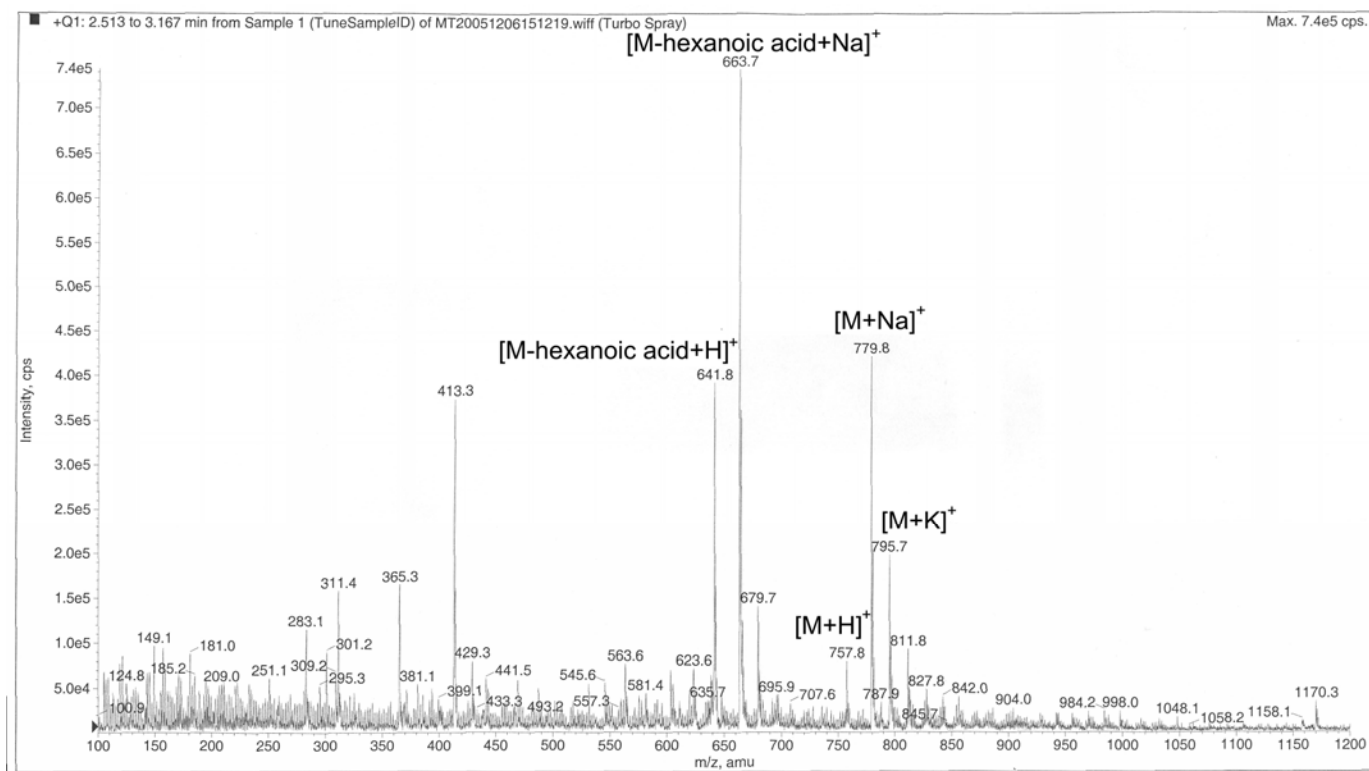
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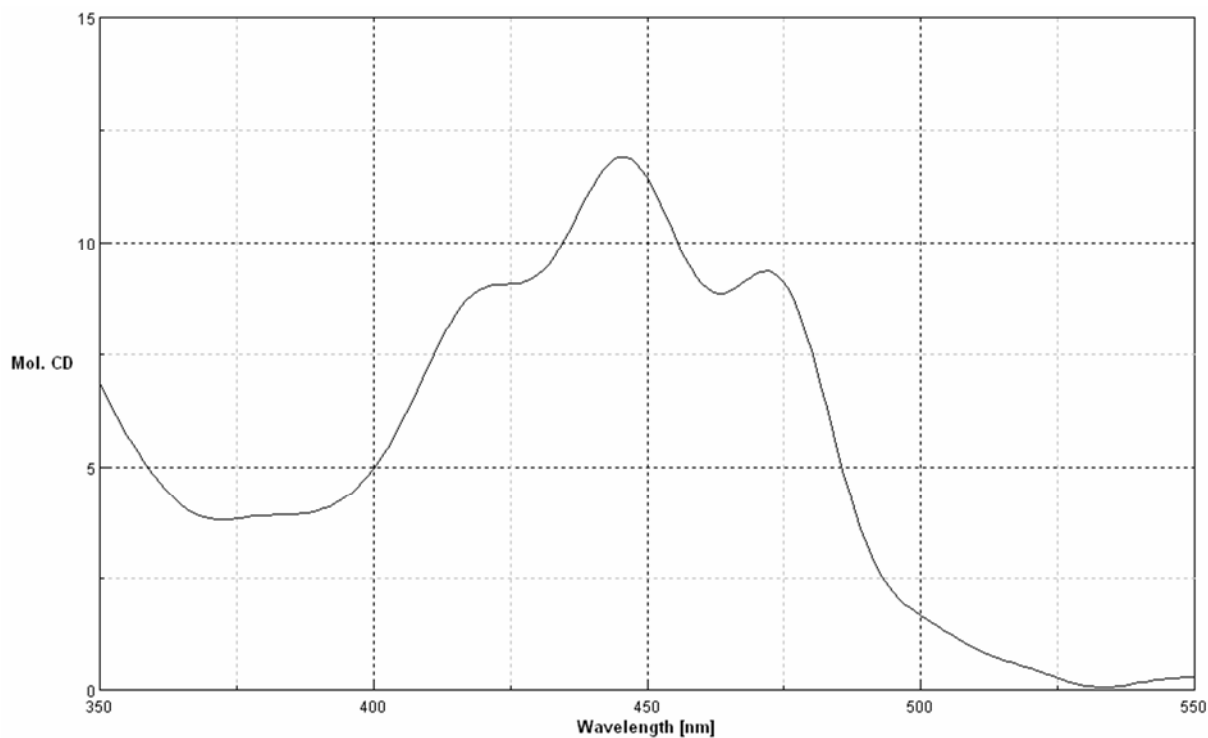
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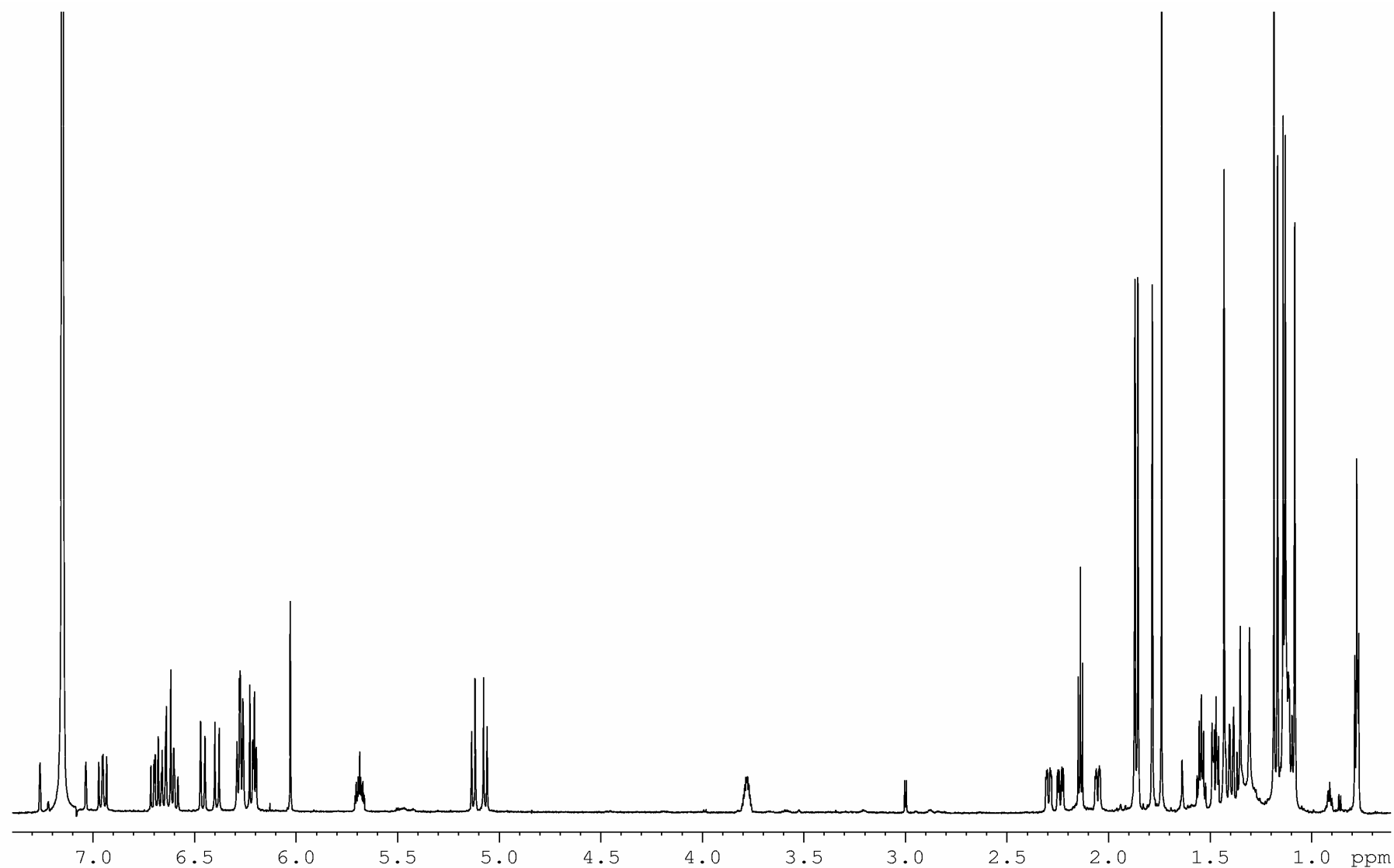
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Moraxanthin (1). ESI MS spectrum



Moraxanthin (1). CD spectrum (MeOH)

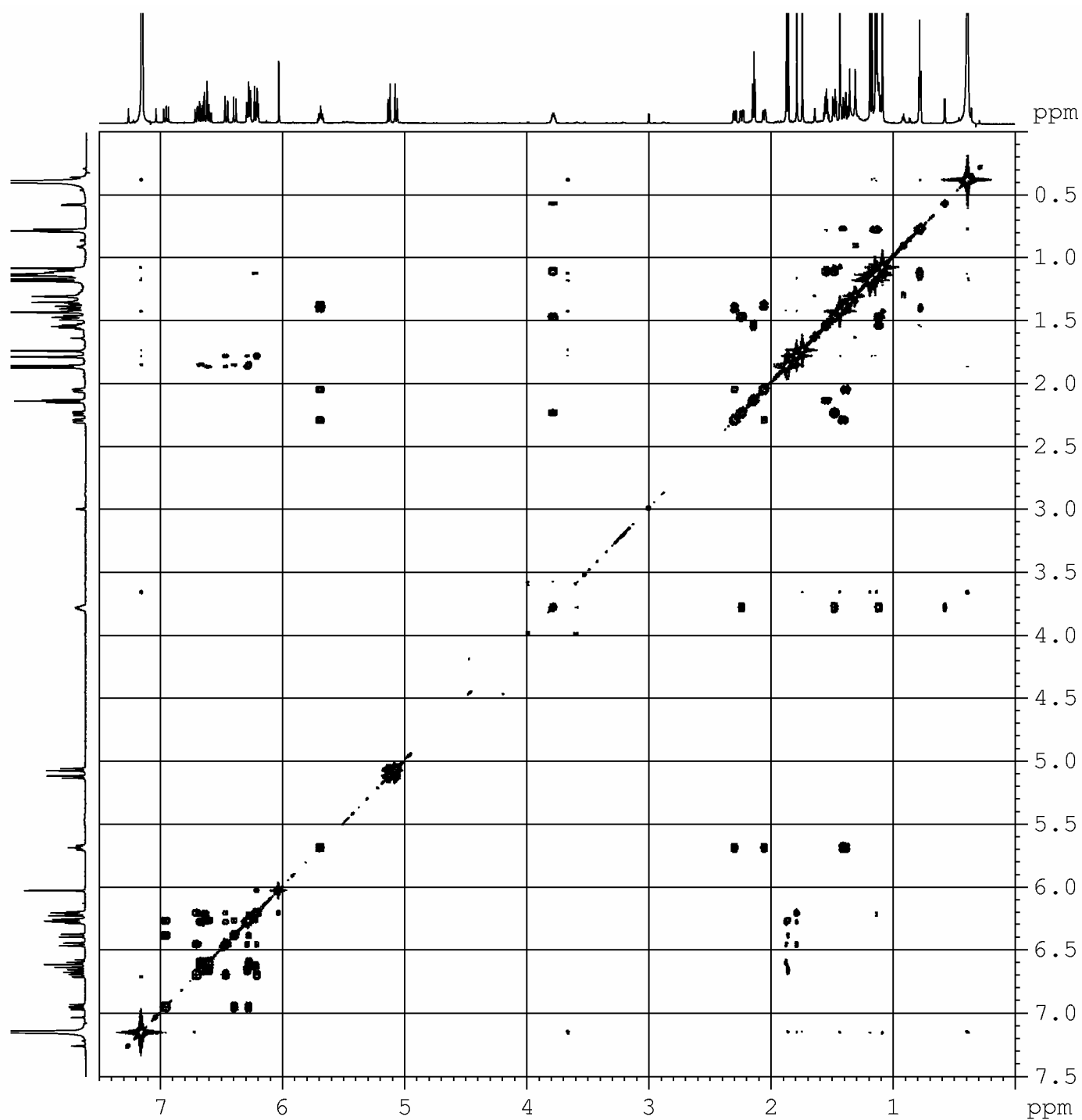


Moraxanthin (**1**) – ^1H NMR spectrum (C_6C_6 , 700 MHz)

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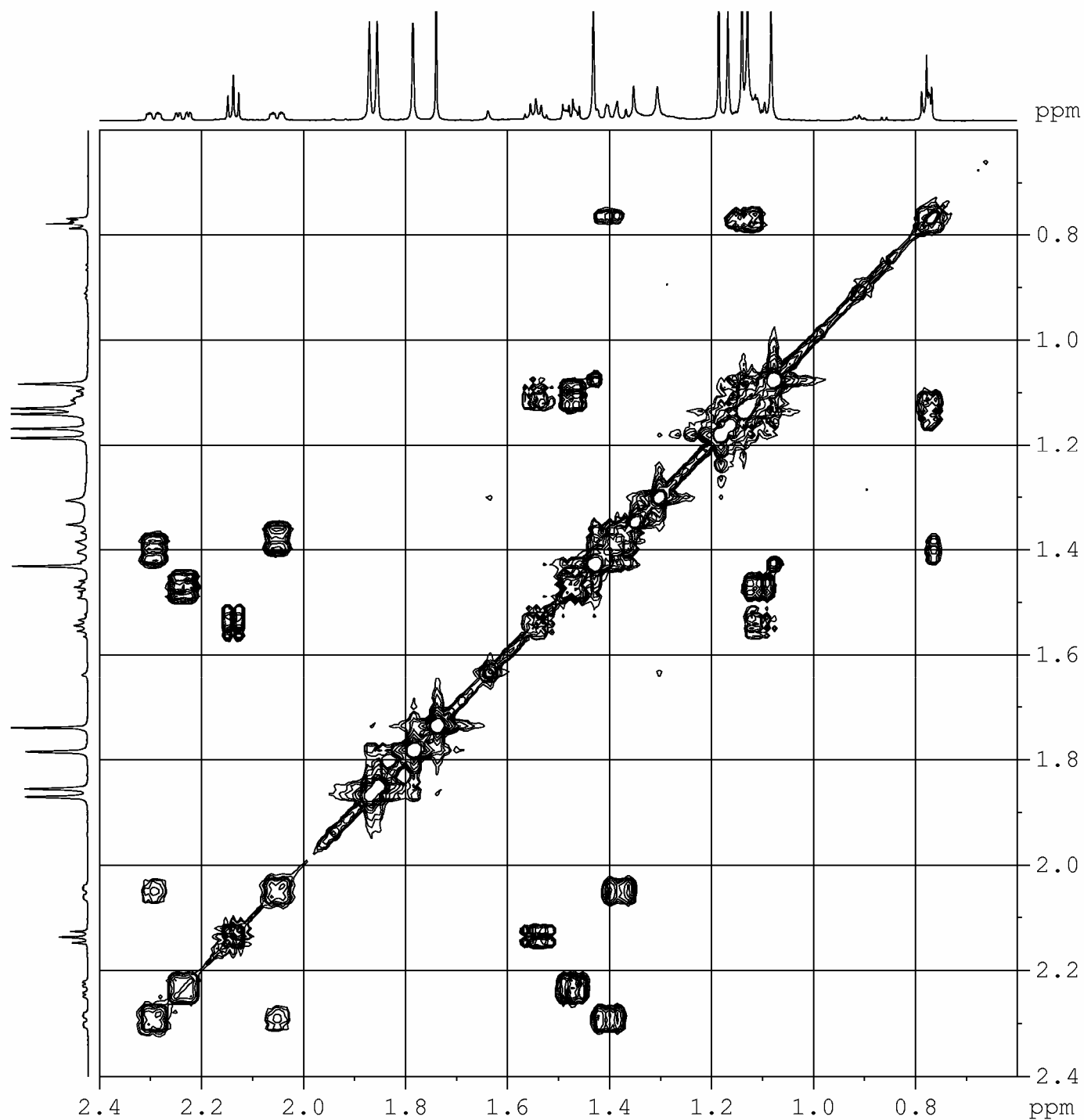
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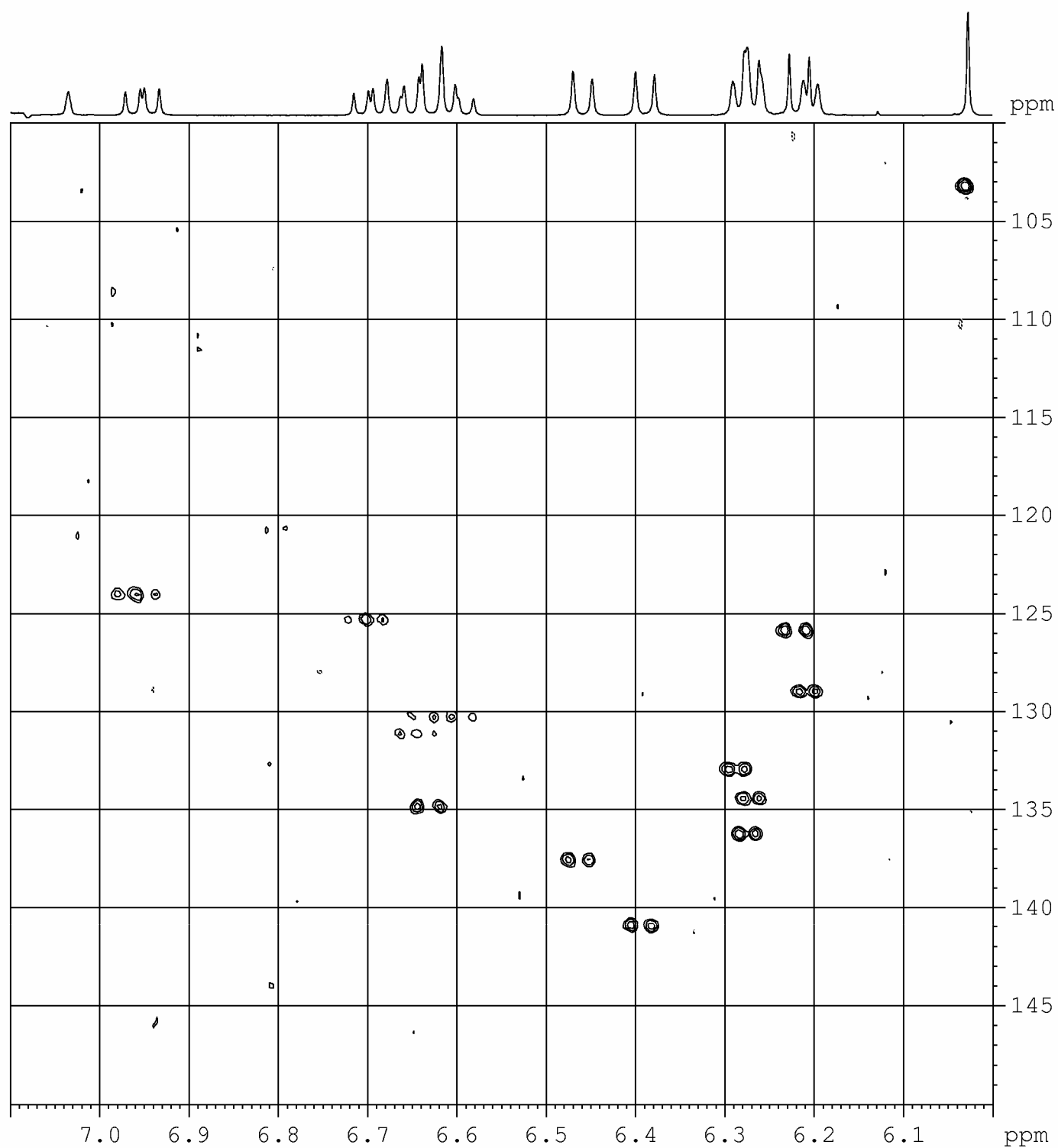


Moraxanthin (**1**) – COSY spectrum (C_6Cl_6 , 700 MHz)

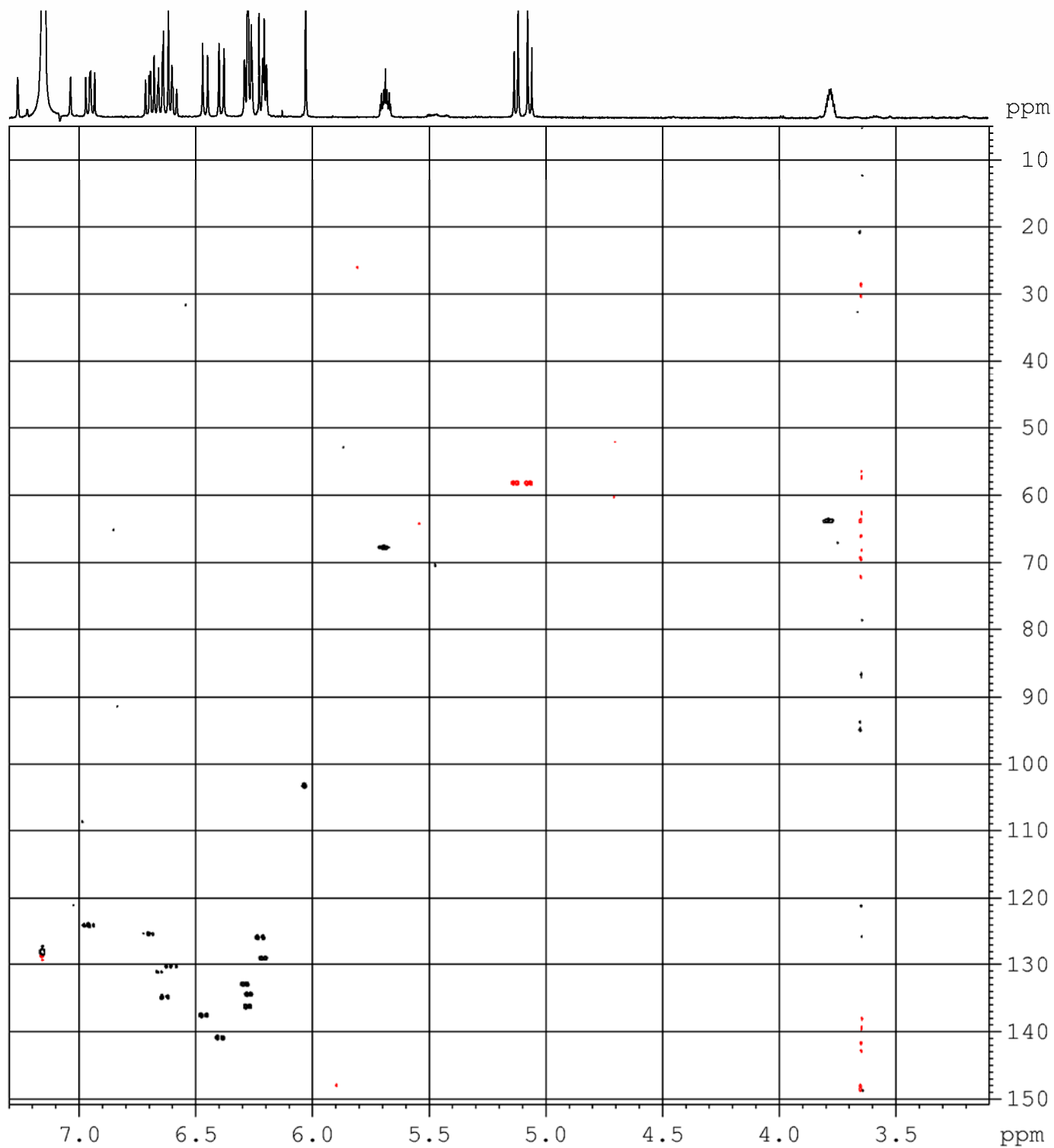
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Moraxanthin (**1**) – COSY spectrum (C_6D_6 , 700 MHz) – high-field region

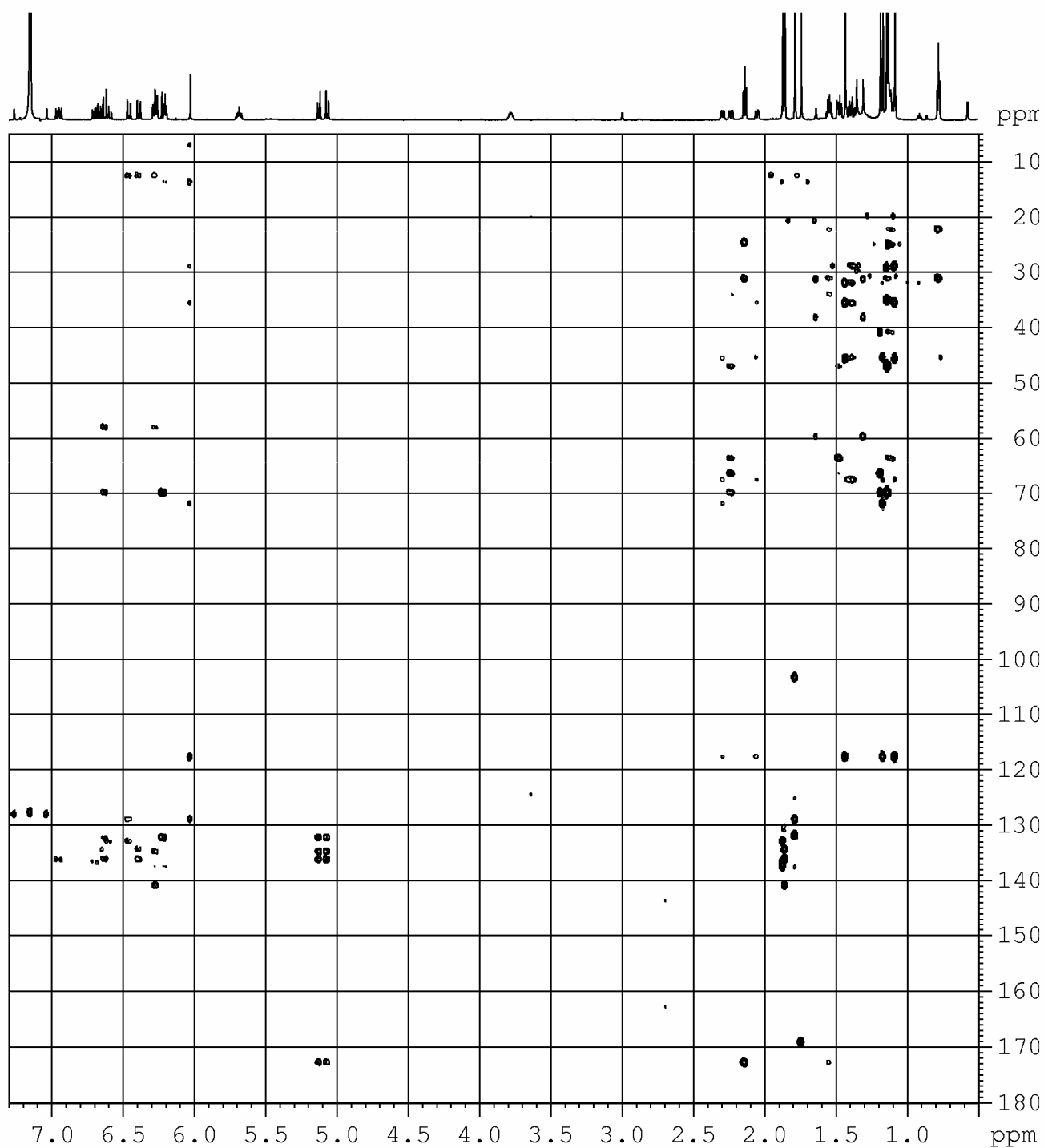


Moraxanthin (1) – HSQC spectrum (C_6D_6 , 700 MHz) – low-field region

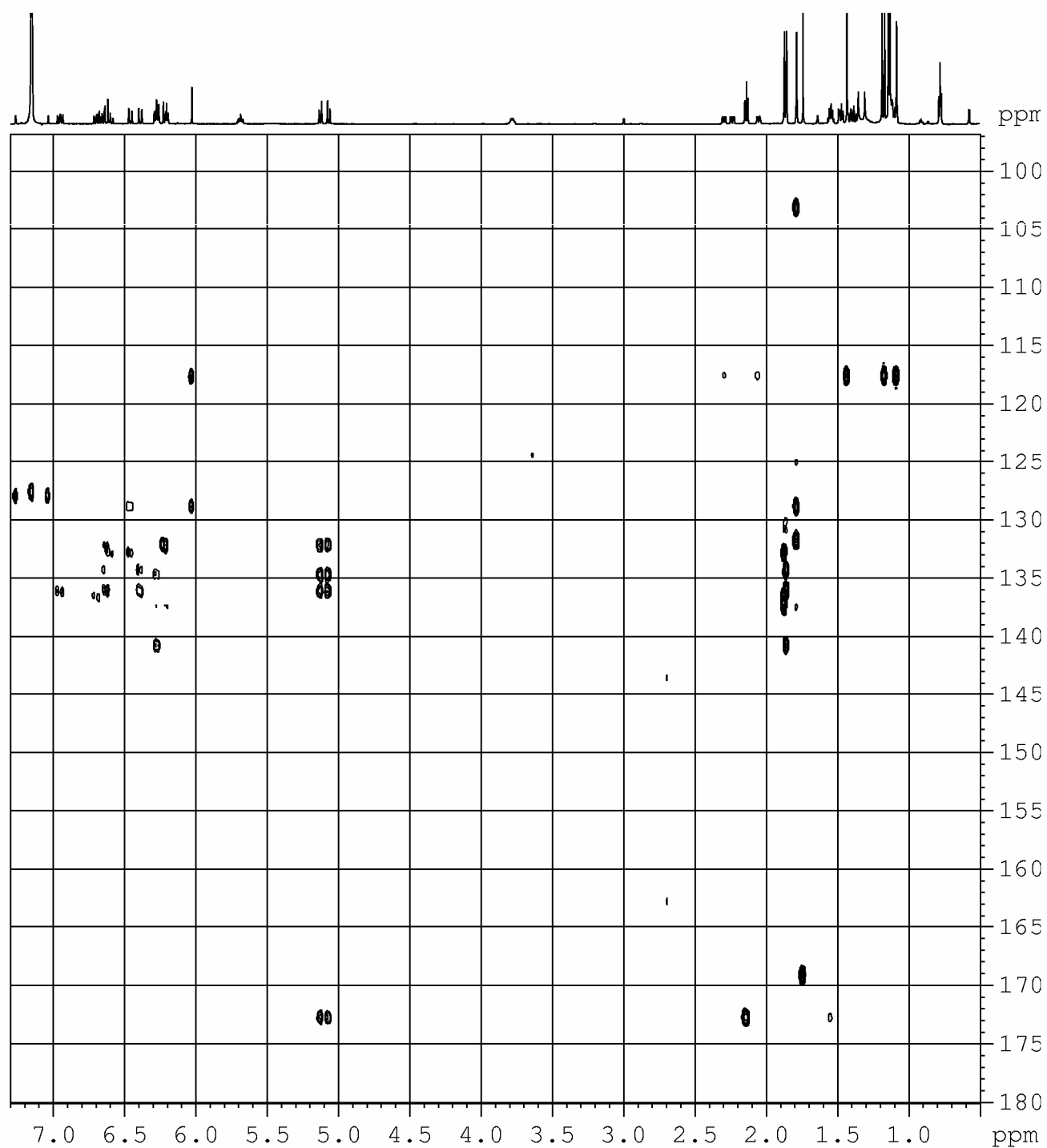


Moraxanthin (1) – HSQC spectrum (C_6D_6 , 700 MHz) – middle-field region

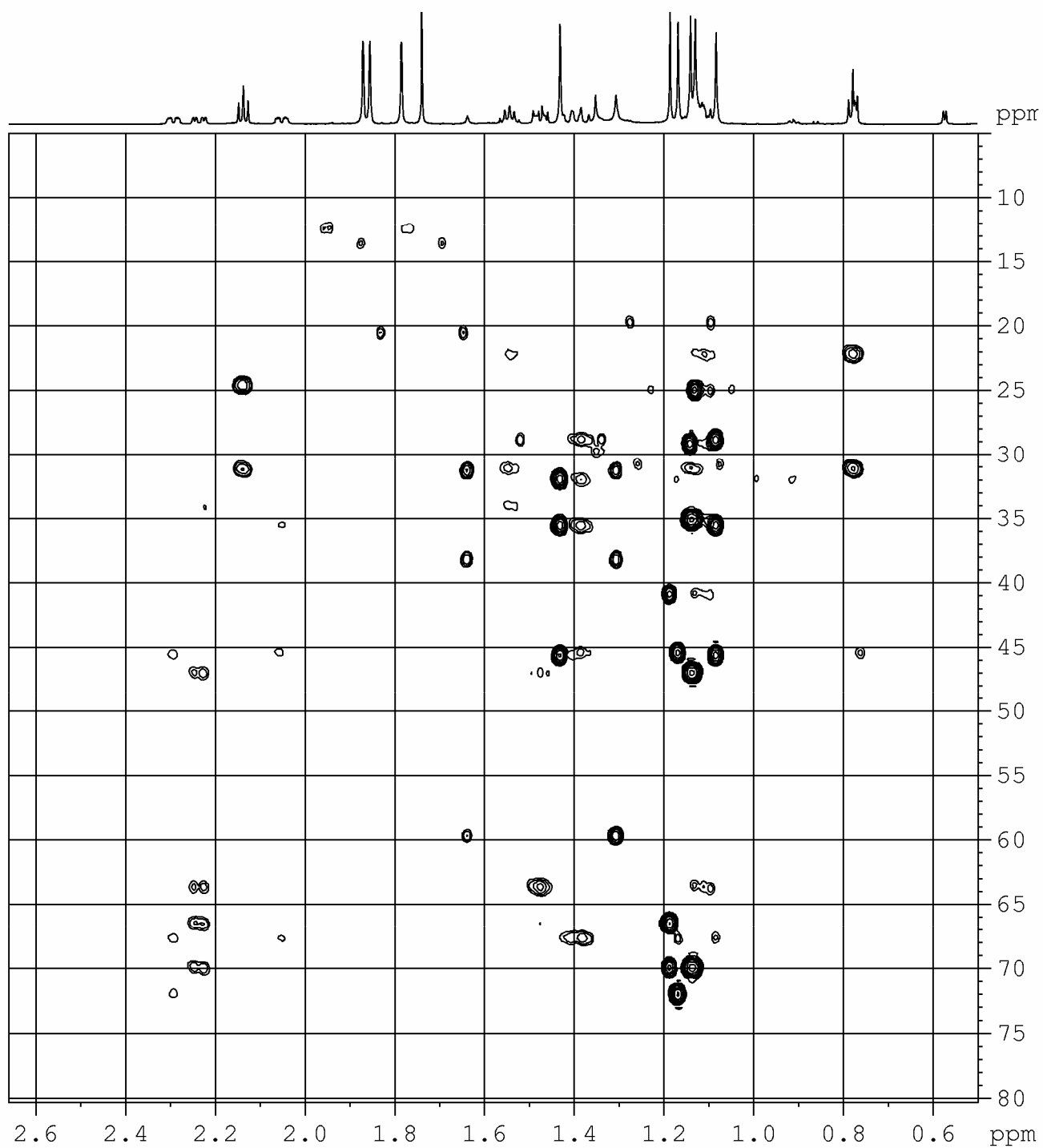
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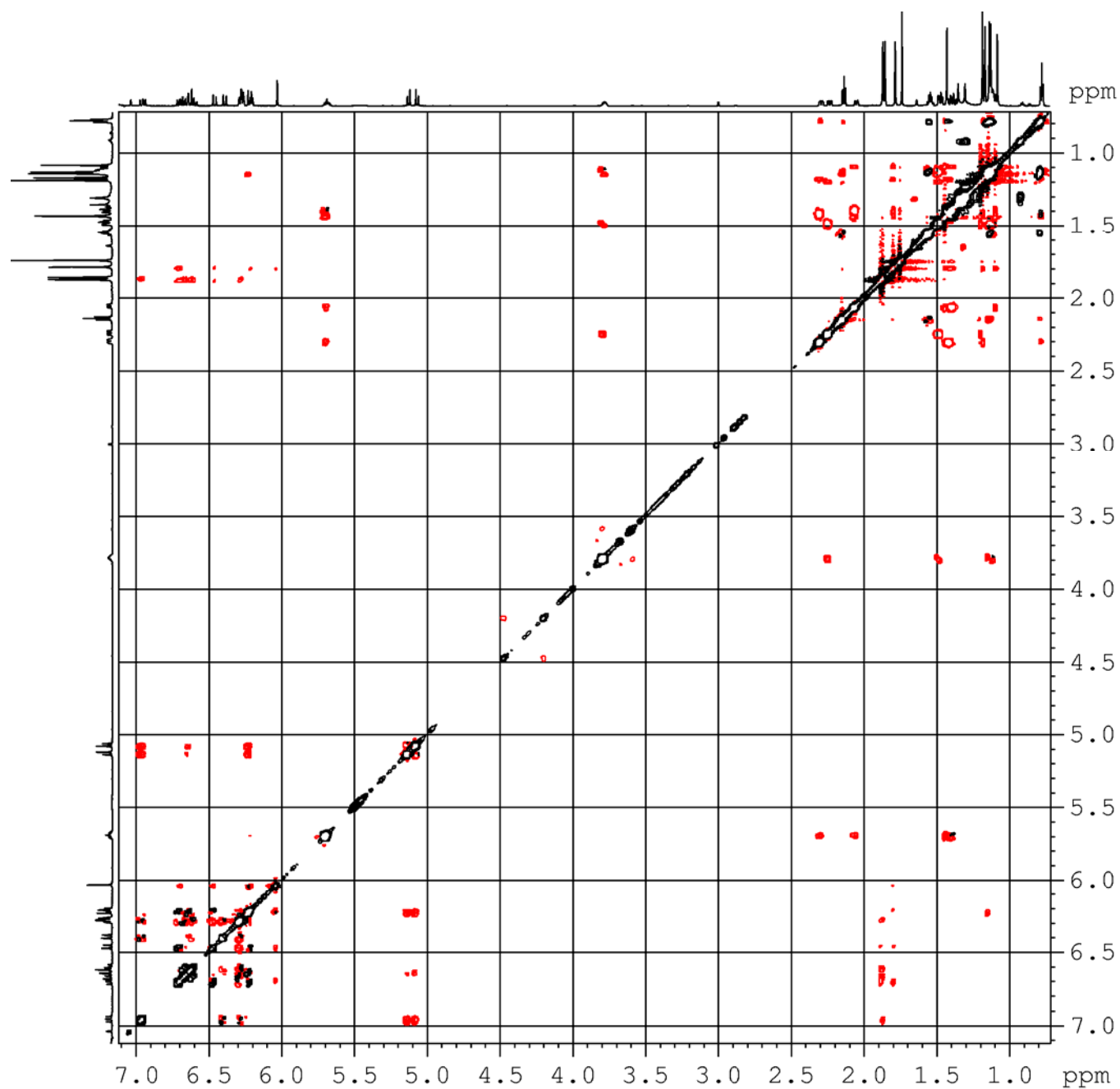
Moraxanthin (**1**) – HMBC spectrum (C_6D_6 , 700 MHz)



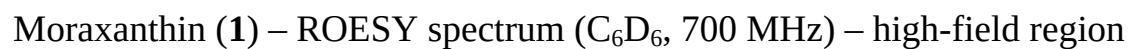
Moraxanthin (1) – HMBC spectrum (C₆D₆, 700 MHz) – low-field region



Moraxanthin (1) – HMBC spectrum (C_6D_6 , 700 MHz) – high-field region



Moraxanthin (**1**) – ROESY spectrum (C_6D_6 , 700 MHz)



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