

SUPPORTING INFORMATION

Complete ^1H and ^{13}C NMR assignments of a series of pergalloylated tannins

Serge Lavoie,^a Michael Ouellet,^a Pierre-Yves Fleury,^a Charles Gauthier,^{a,b} Jean Legault,^a and André Pichette^{a,*}.

^a Université du Québec à Chicoutimi, Chaire de Recherche sur les Agents Anticancéreux d'Origine Naturelle, Laboratoire LASEVE, Département des Sciences Fondamentales, 555 boul. de l'Université, Chicoutimi (Québec), Canada, G7H 2B1.

^b Université de Poitiers, Institut de Chimie IC2MP, CNRS-UMR 7285, Équipe Synthèse Organique, 4 rue Michel Brunet, 86073 Poitiers Cedex 9, France

* Corresponding author. Tel.: +1-418-545-5011 ext. 5081; fax: +1-418-545-5012. E-mail address: andre_pichette@uqac.ca

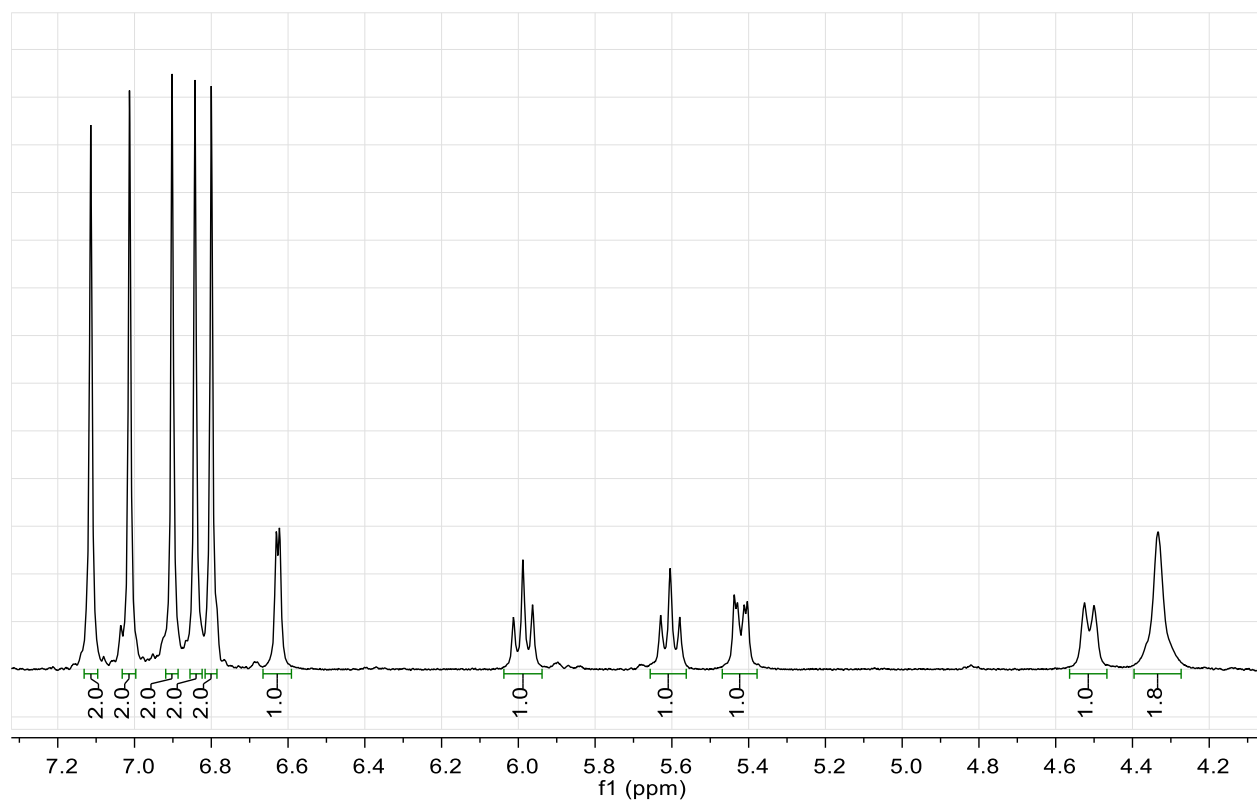
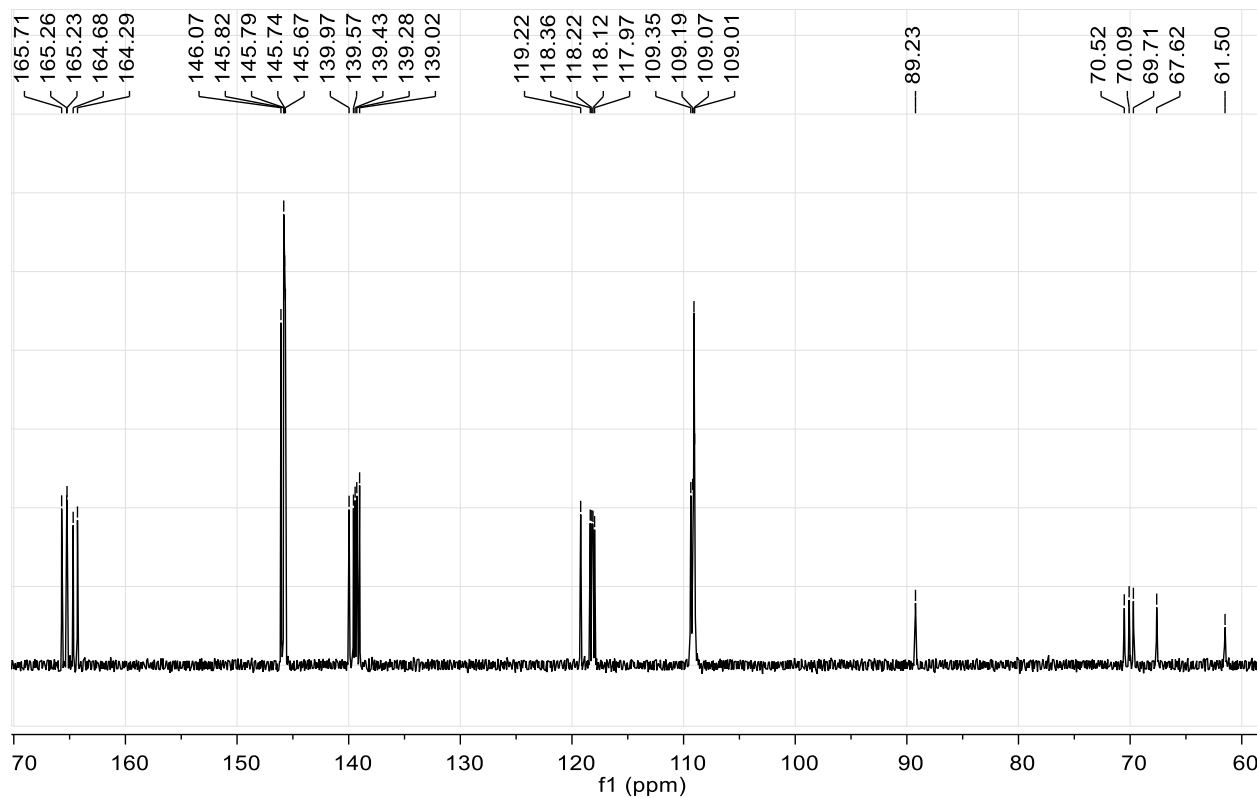
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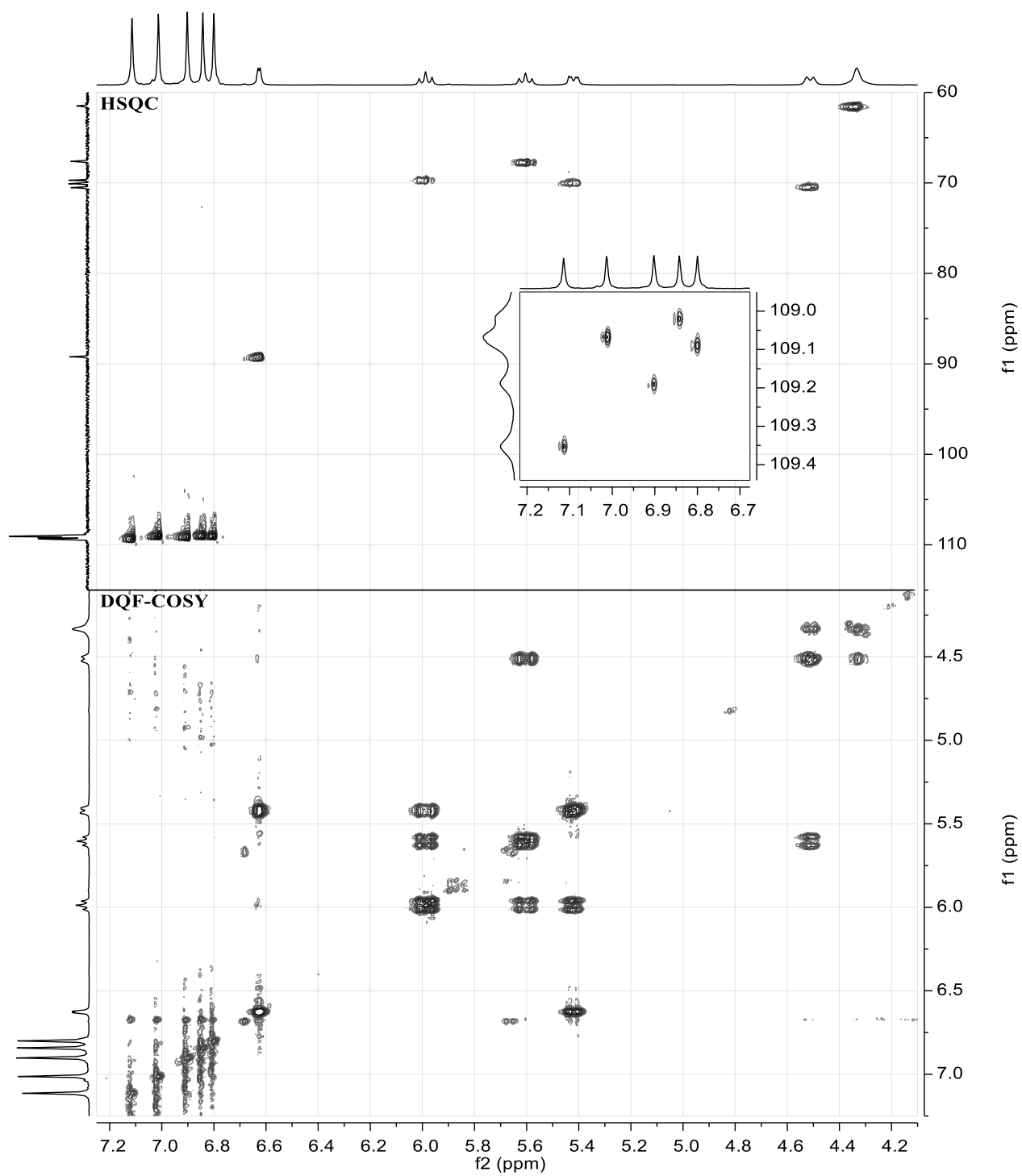
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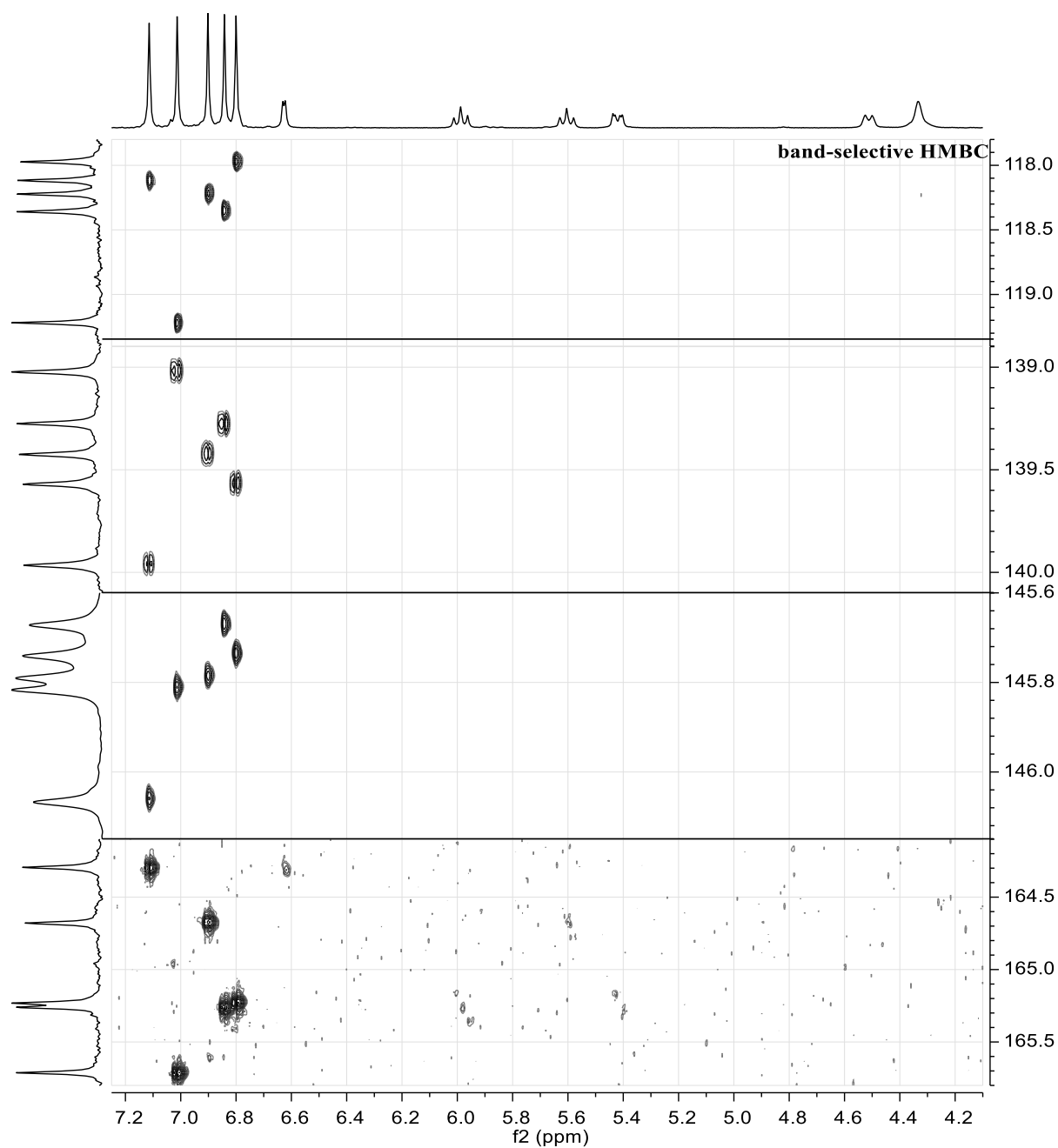
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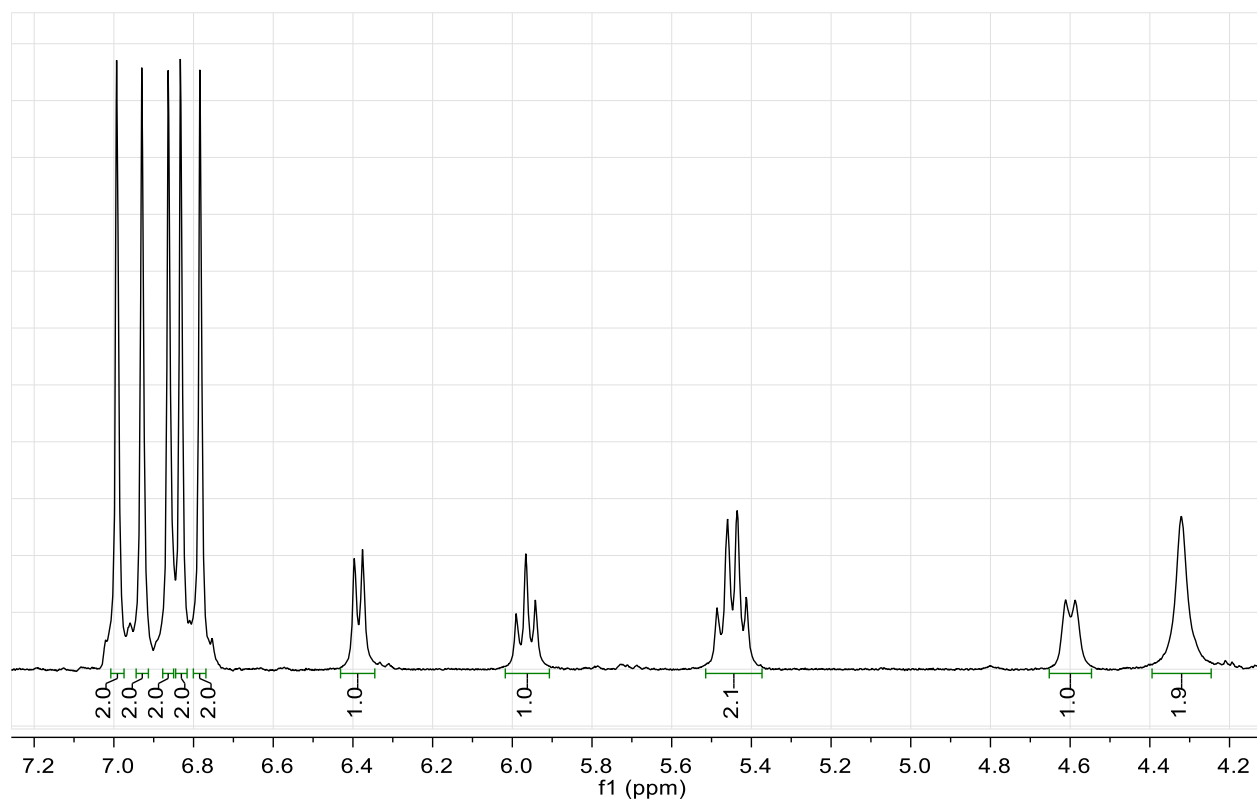
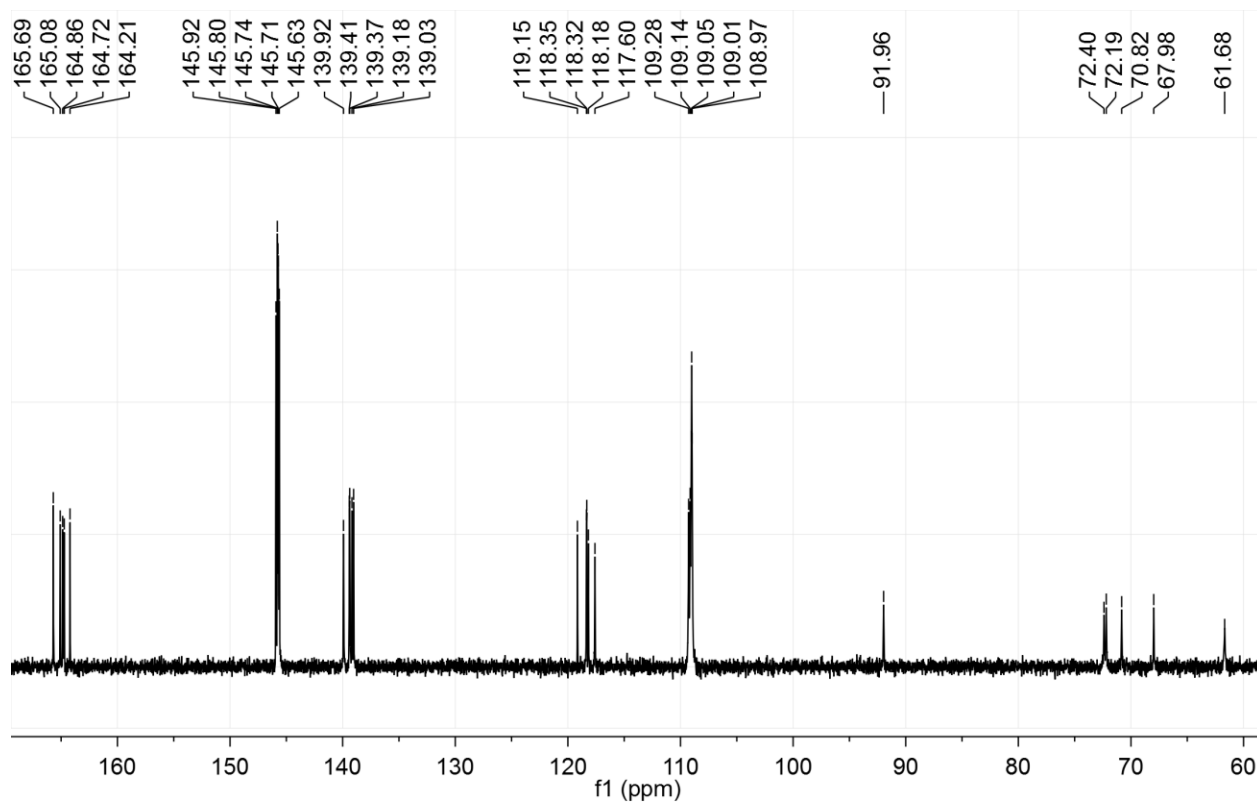
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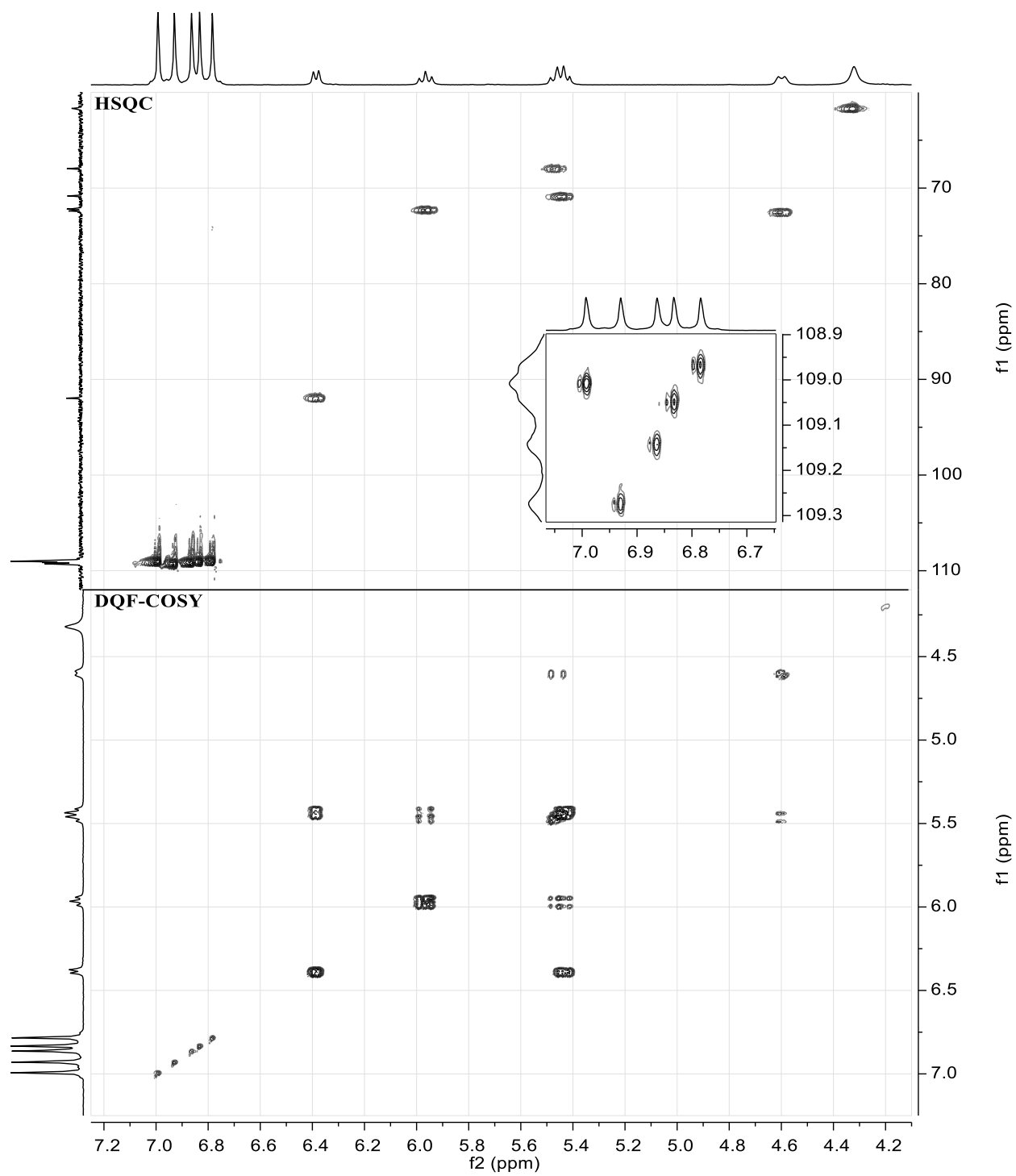
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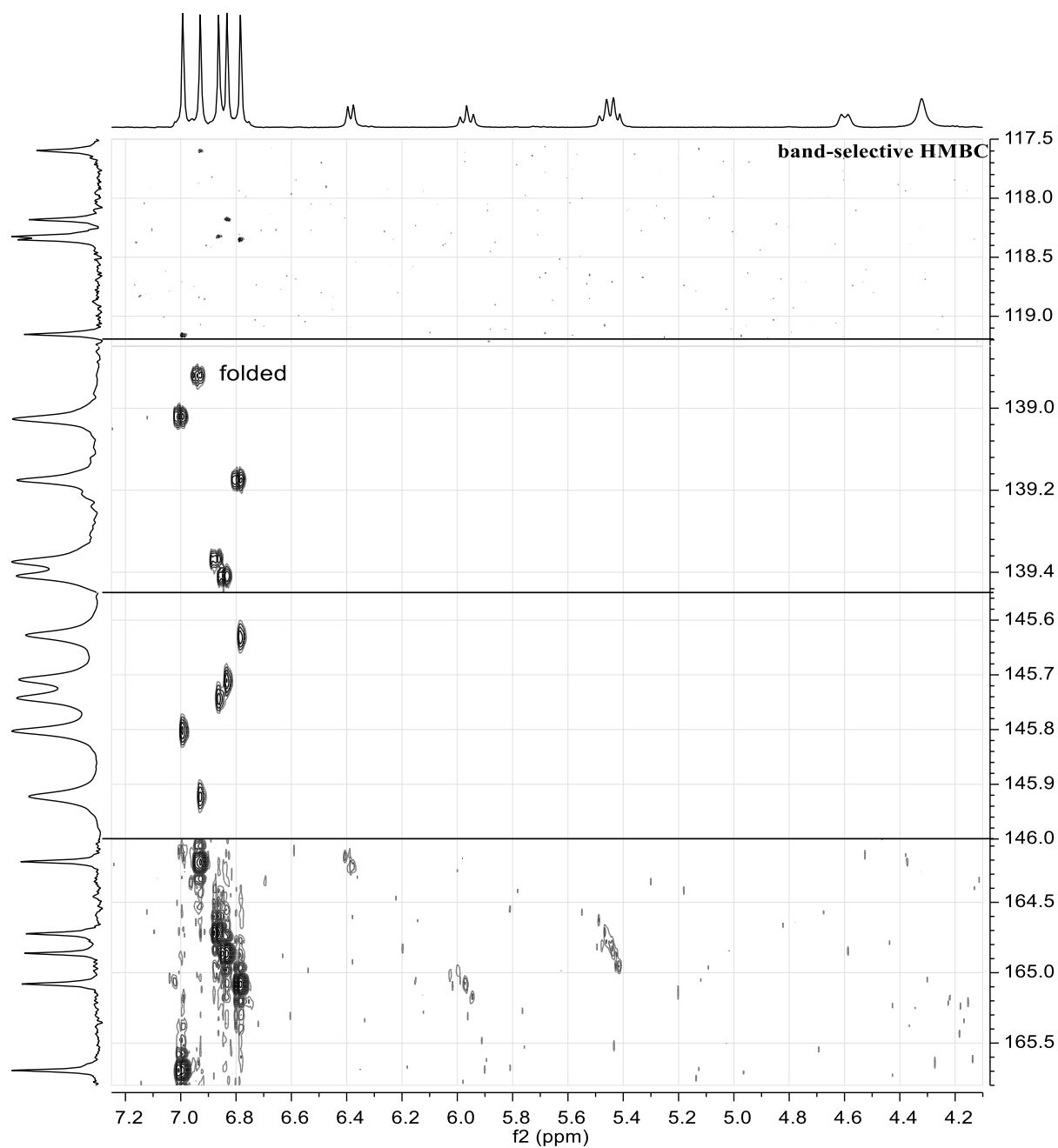
^1H NMR spectrum of 1,2,3,4,6-pentagalloyl- α -D-glucopyranose (1a**)** **^{13}C NMR spectrum of 1,2,3,4,6-pentagalloyl- α -D-glucopyranose (**1a**)**

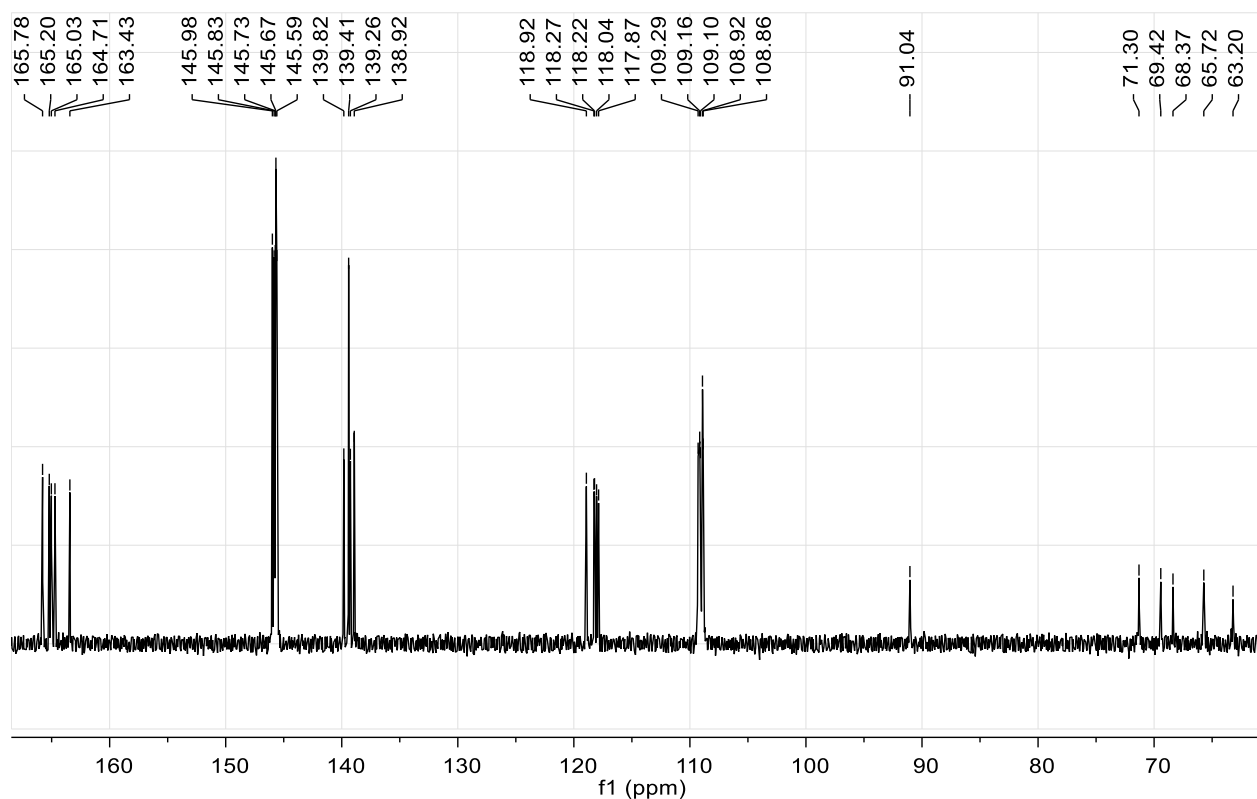
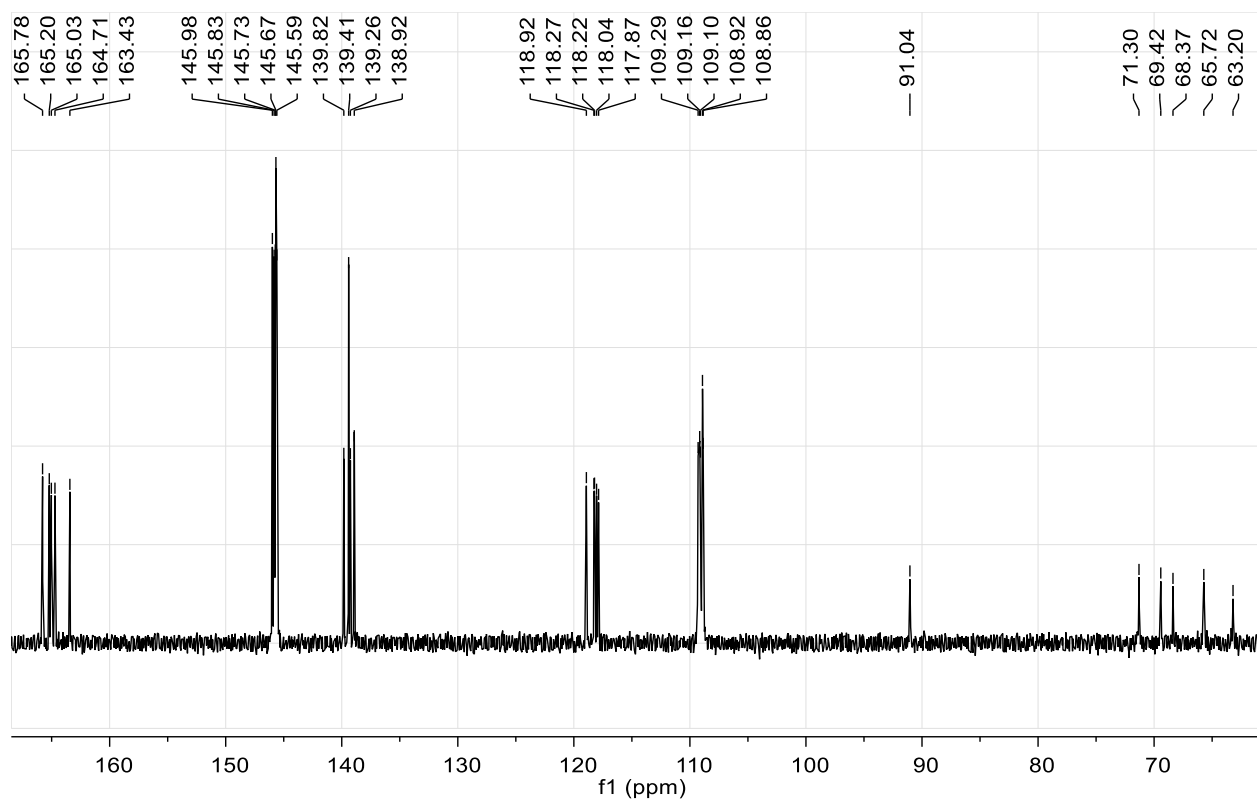
HSQC and DQF-COSY spectra of 1,2,3,4,6-pentagalloyl- α -D-glucopyranose (**1a**)

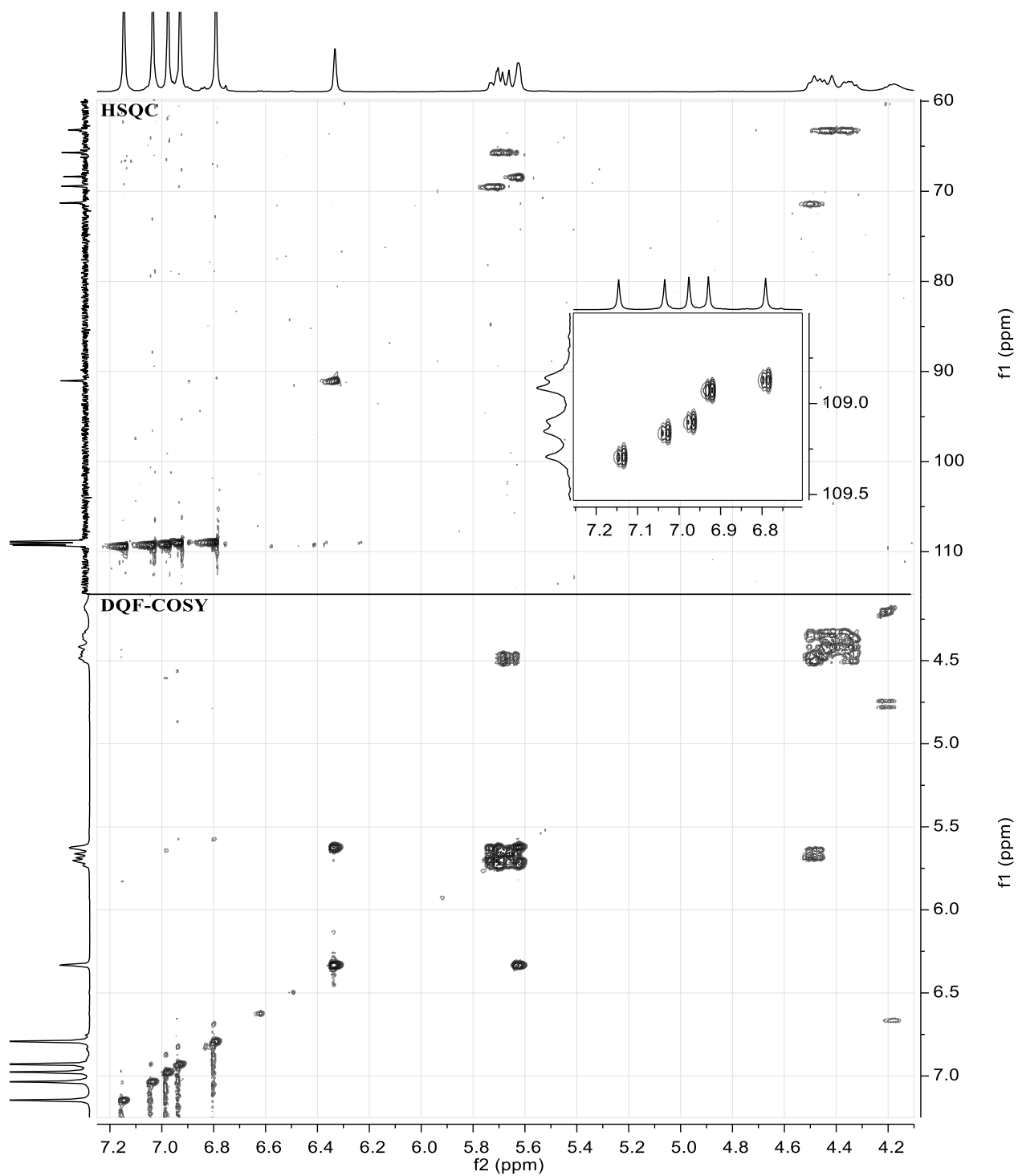
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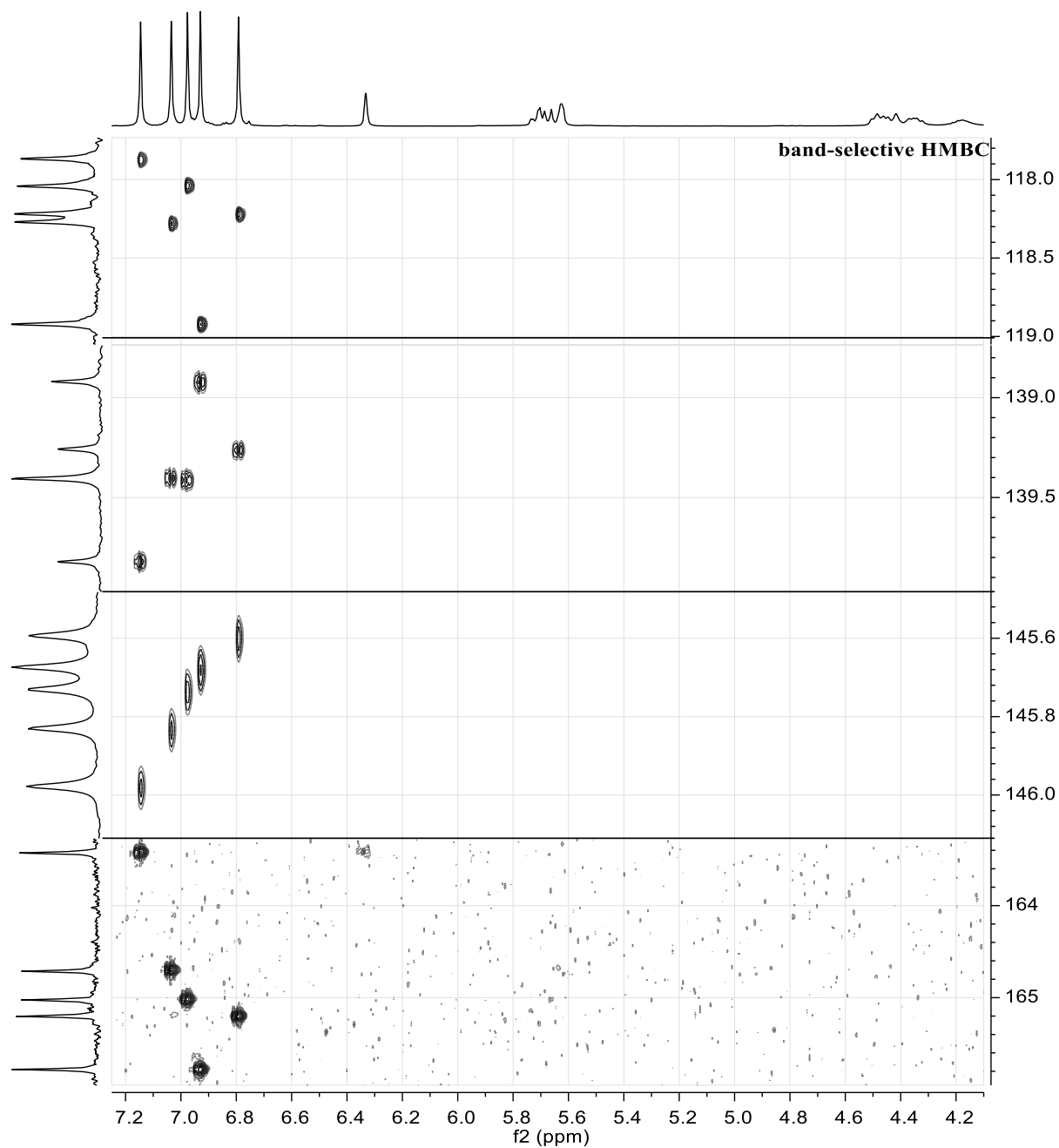
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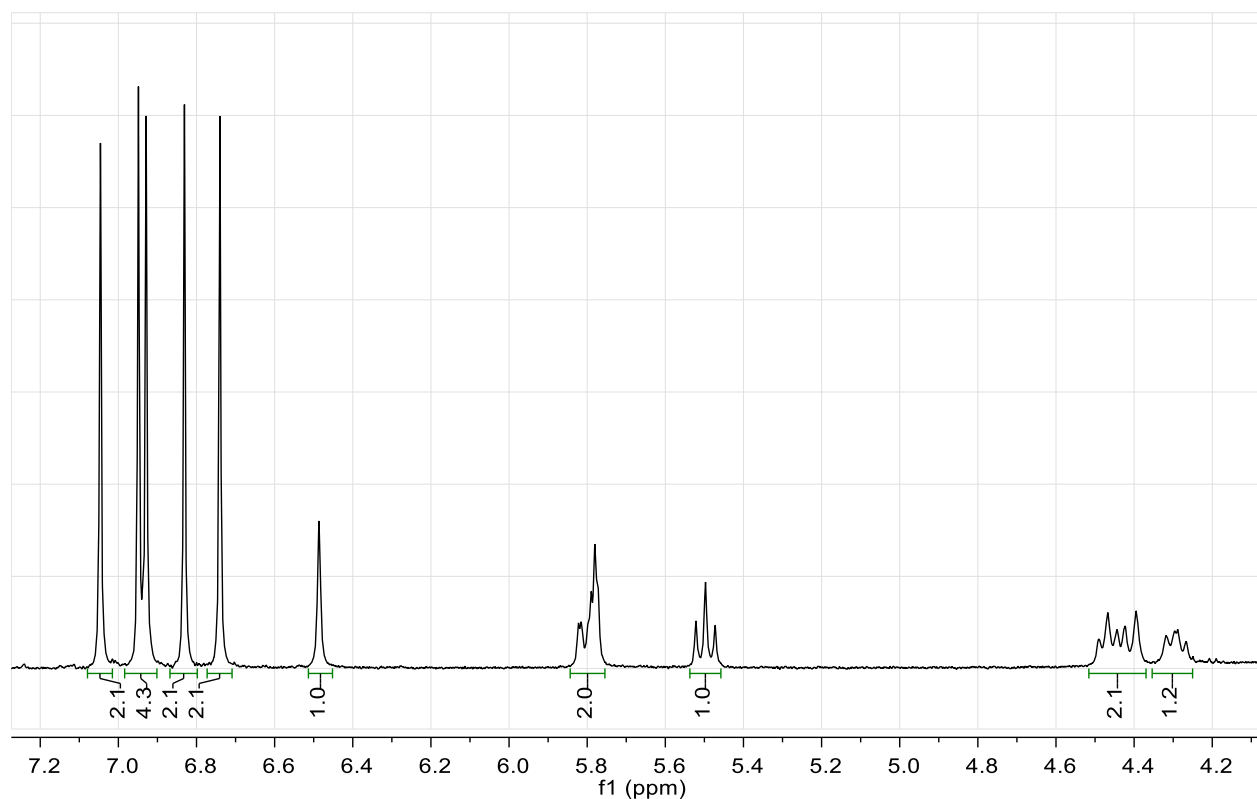
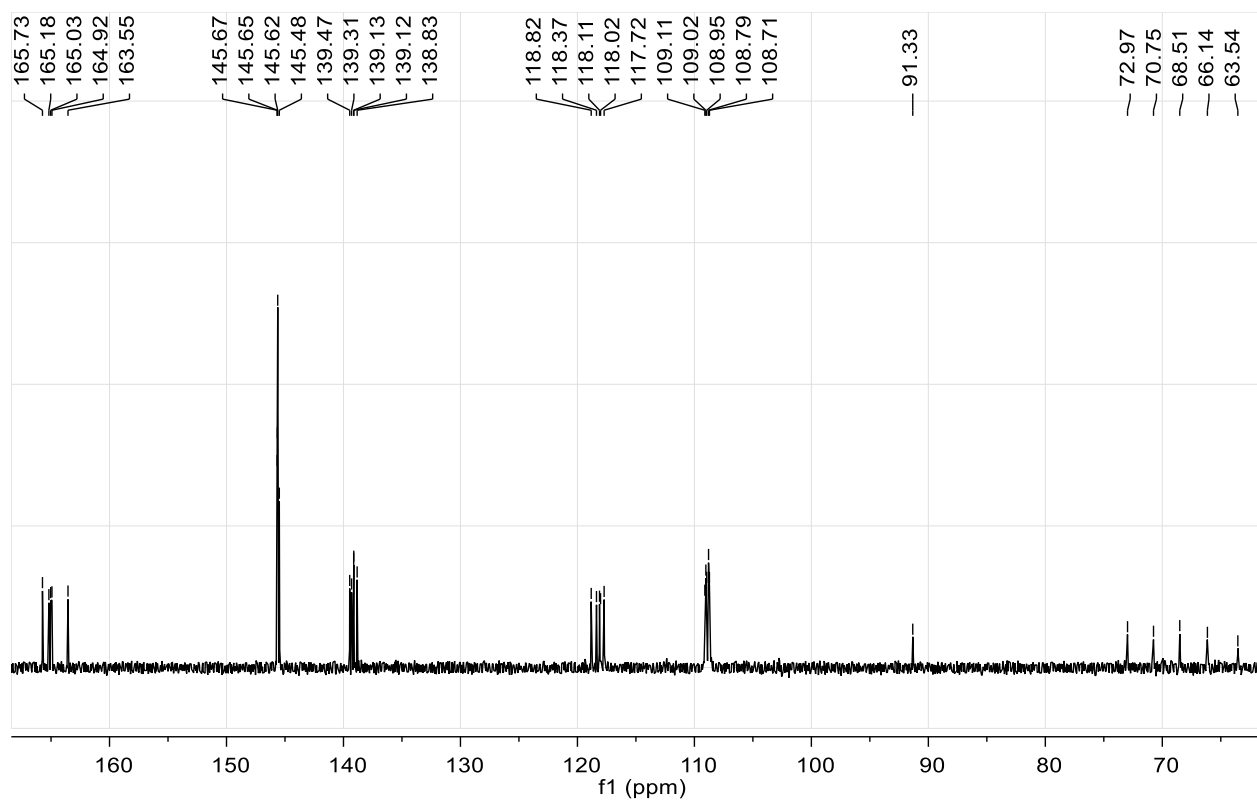
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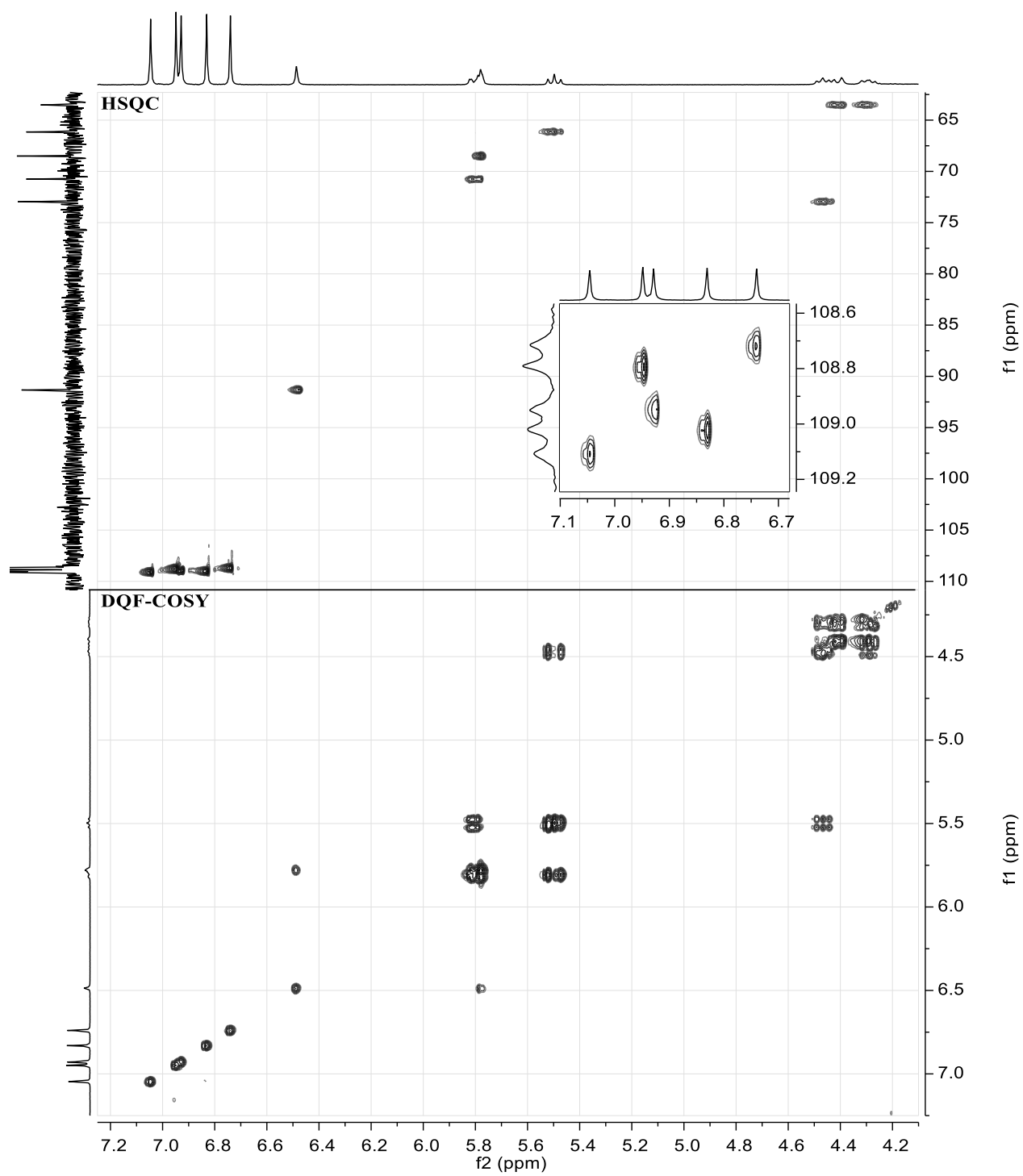
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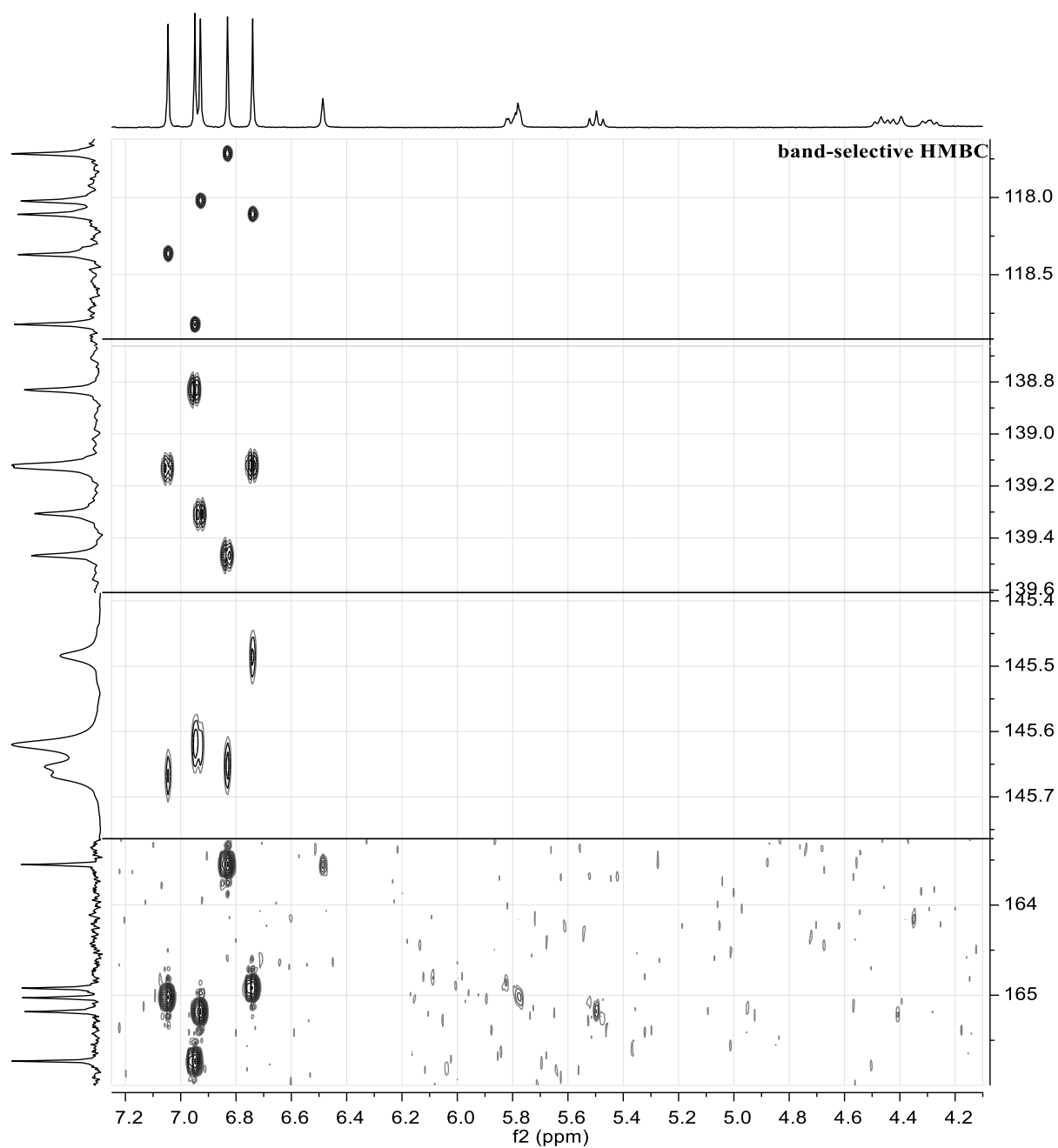
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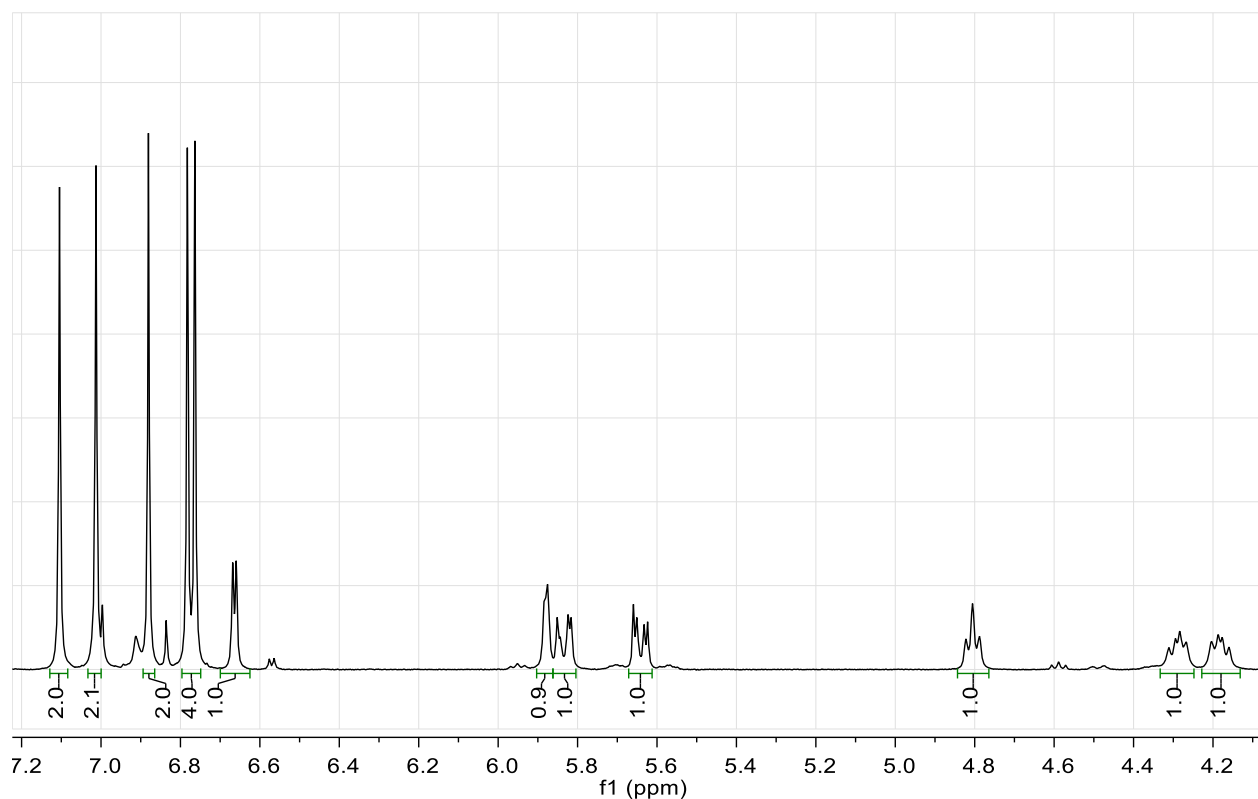
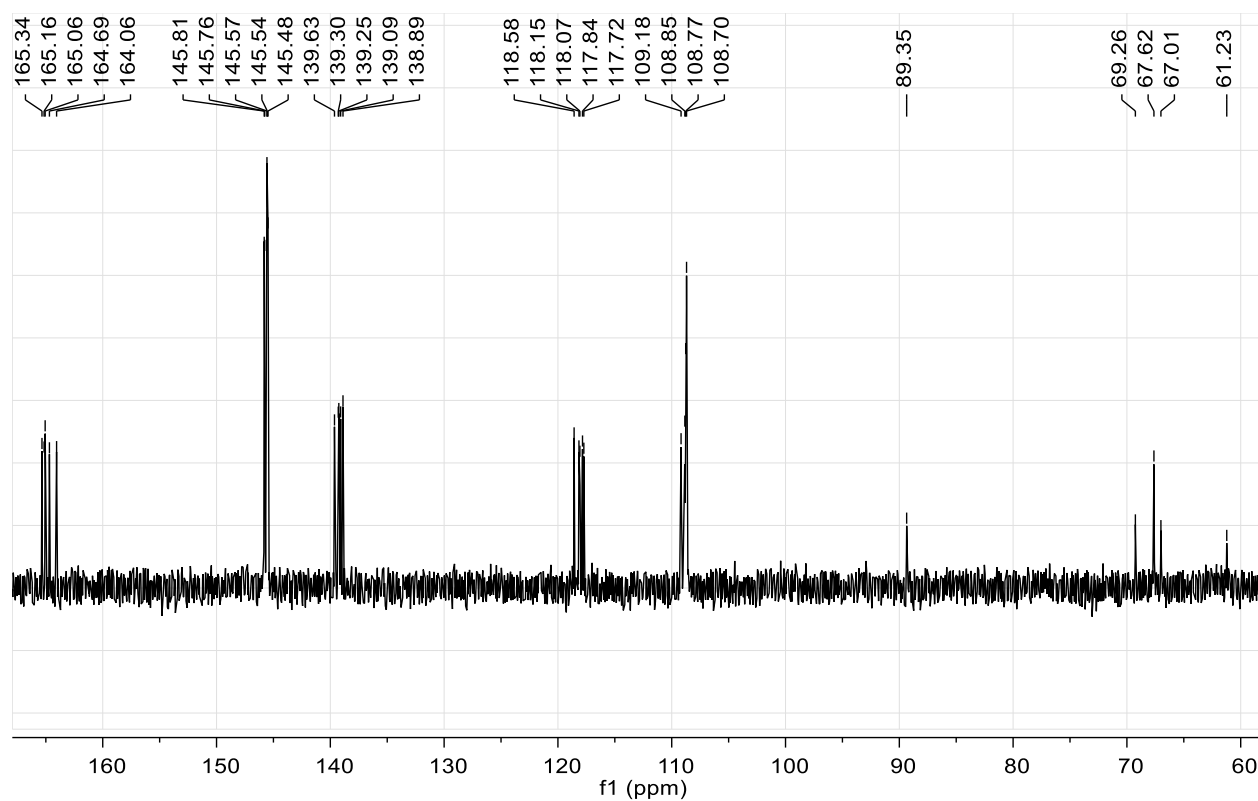
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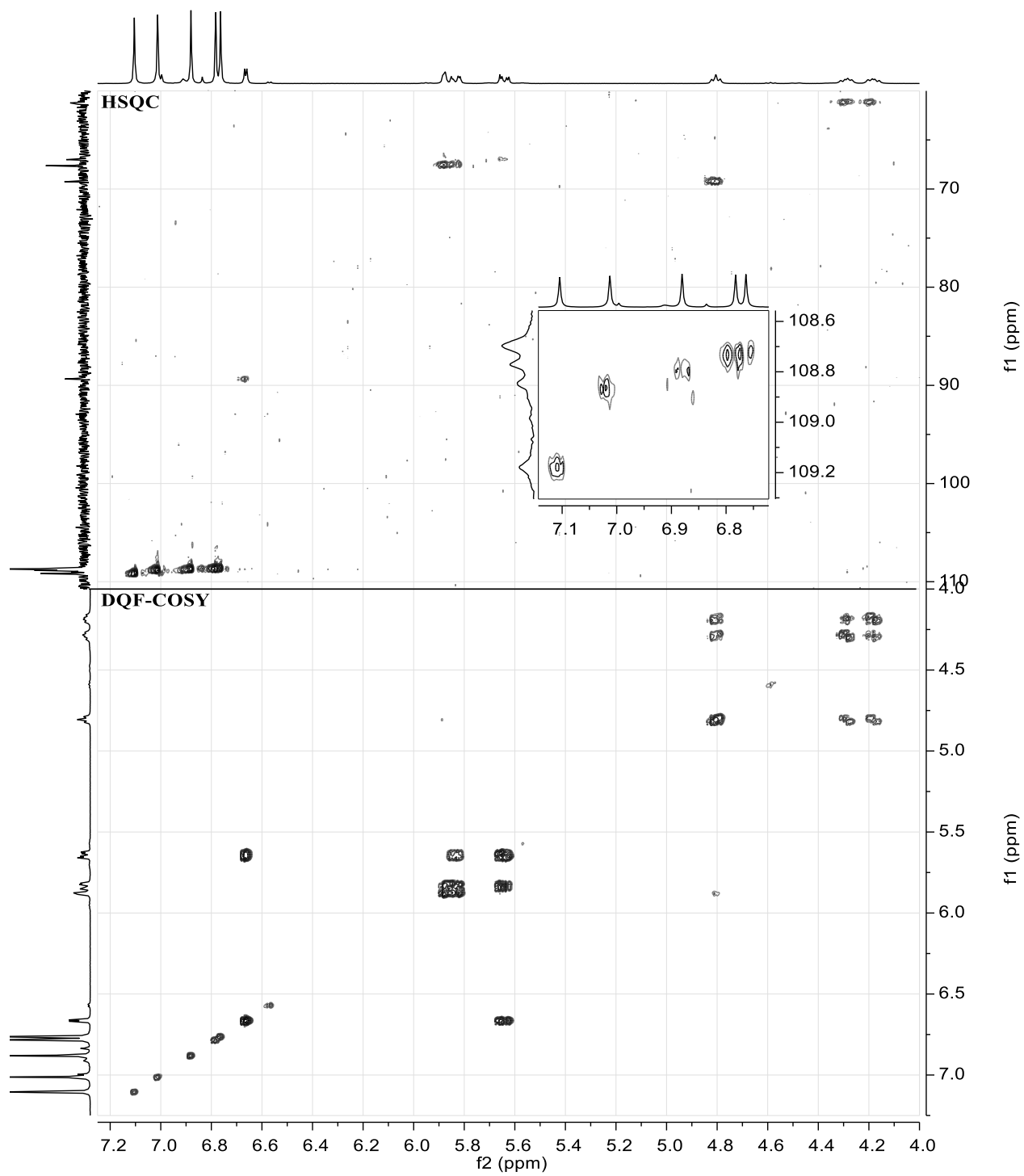
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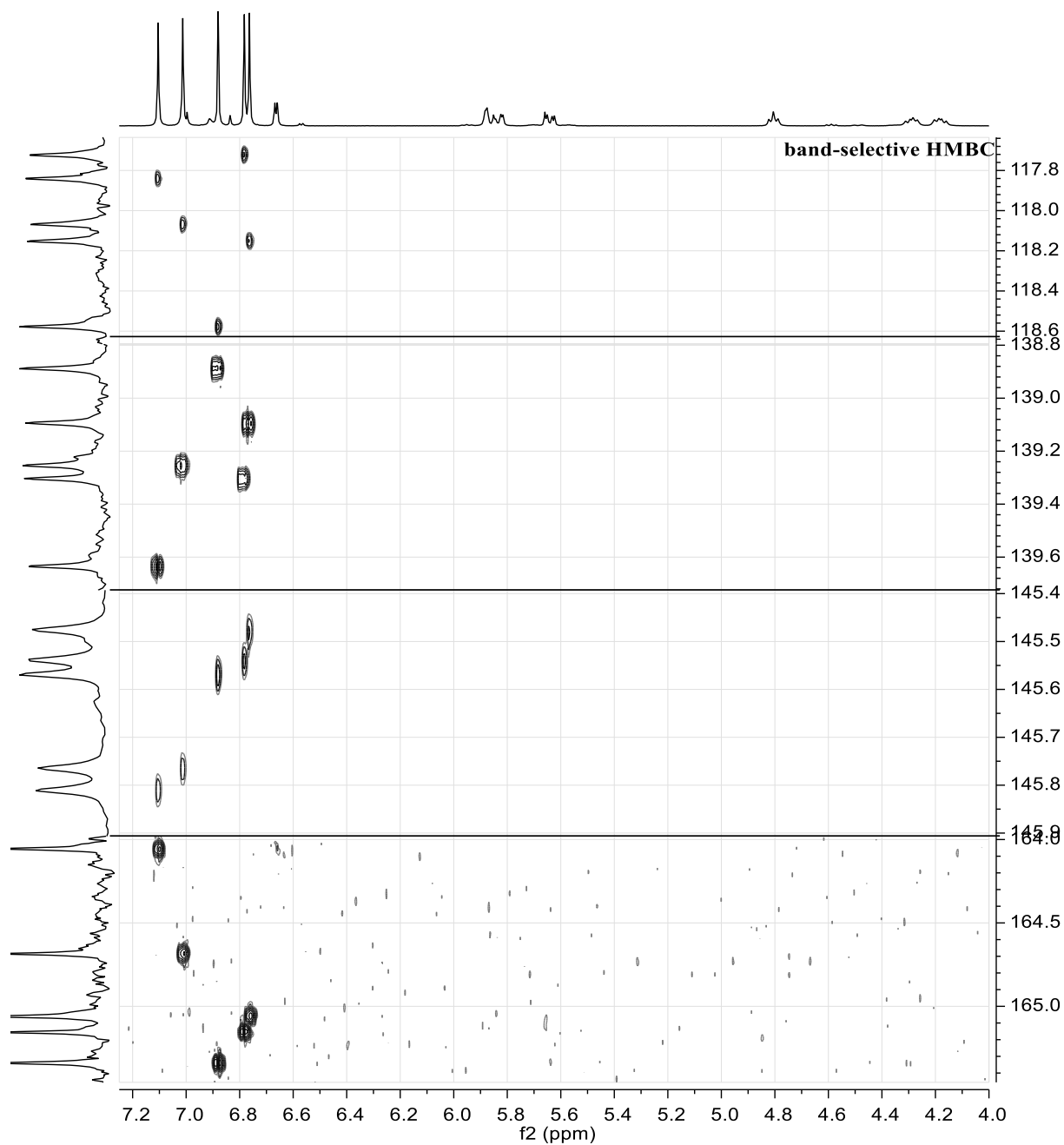
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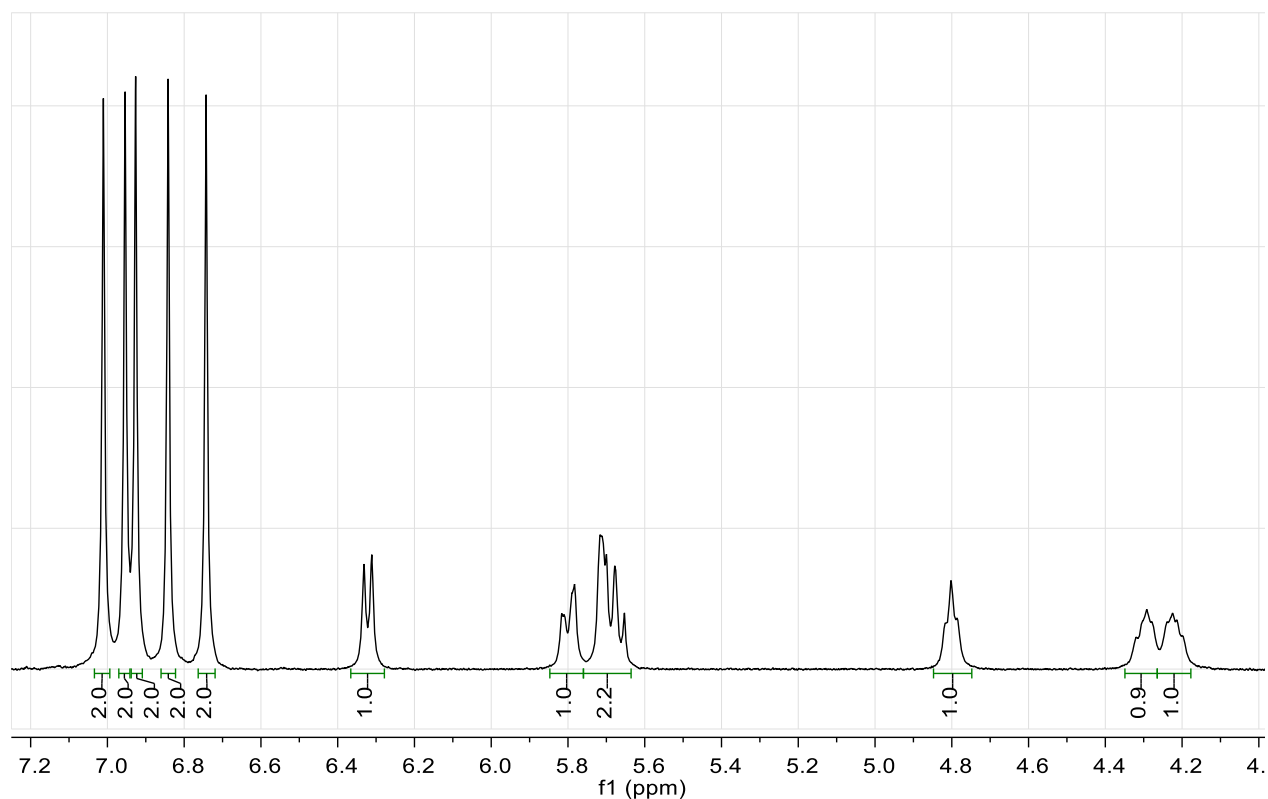
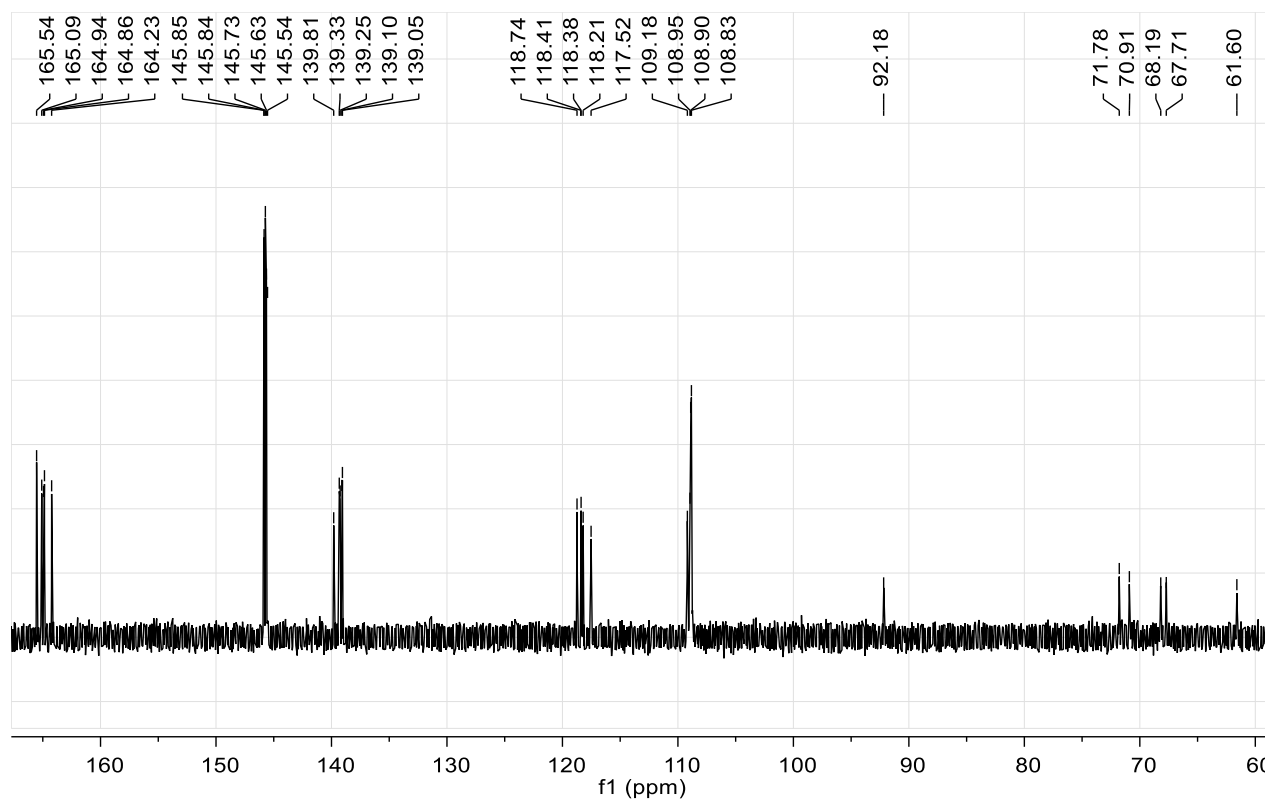
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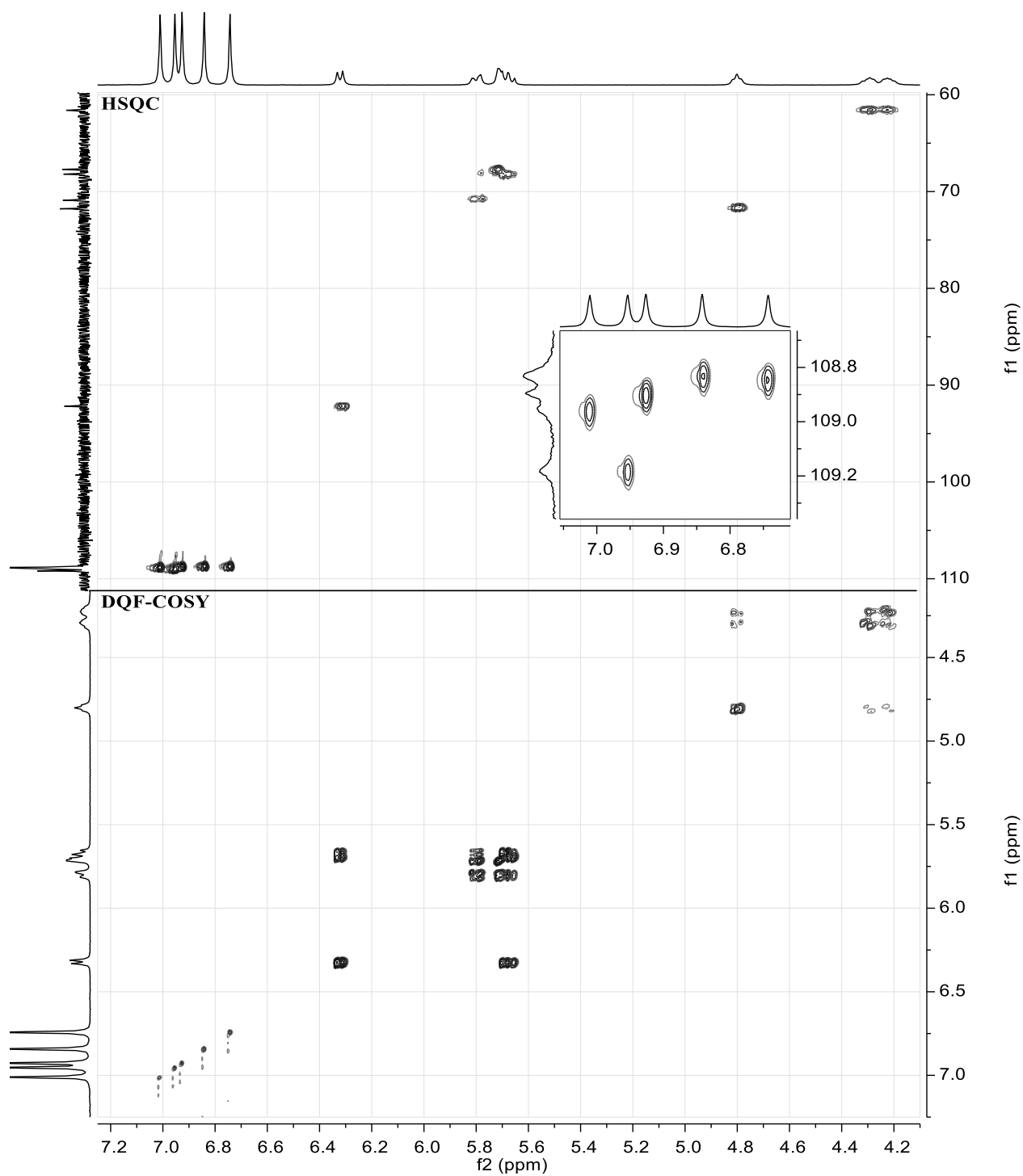
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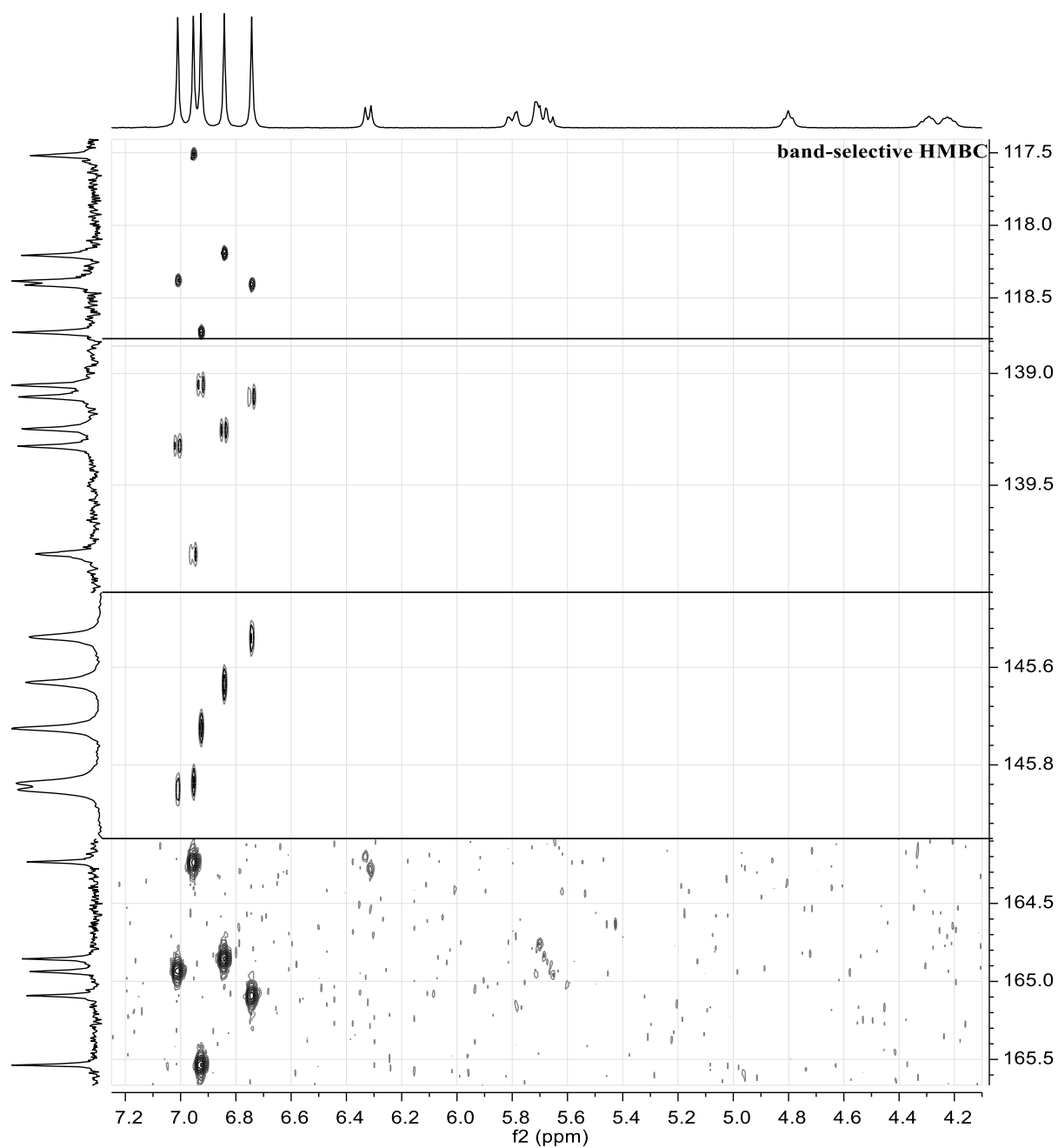
^1H NMR spectrum of 1,2,3,4,6-pentagalloyl- α -D-galactopyranose (3a**)** **^{13}C NMR spectrum of 1,2,3,4,6-pentagalloyl- α -D-galactopyranose (Erreur ! Source du renvoi introuvable.)**

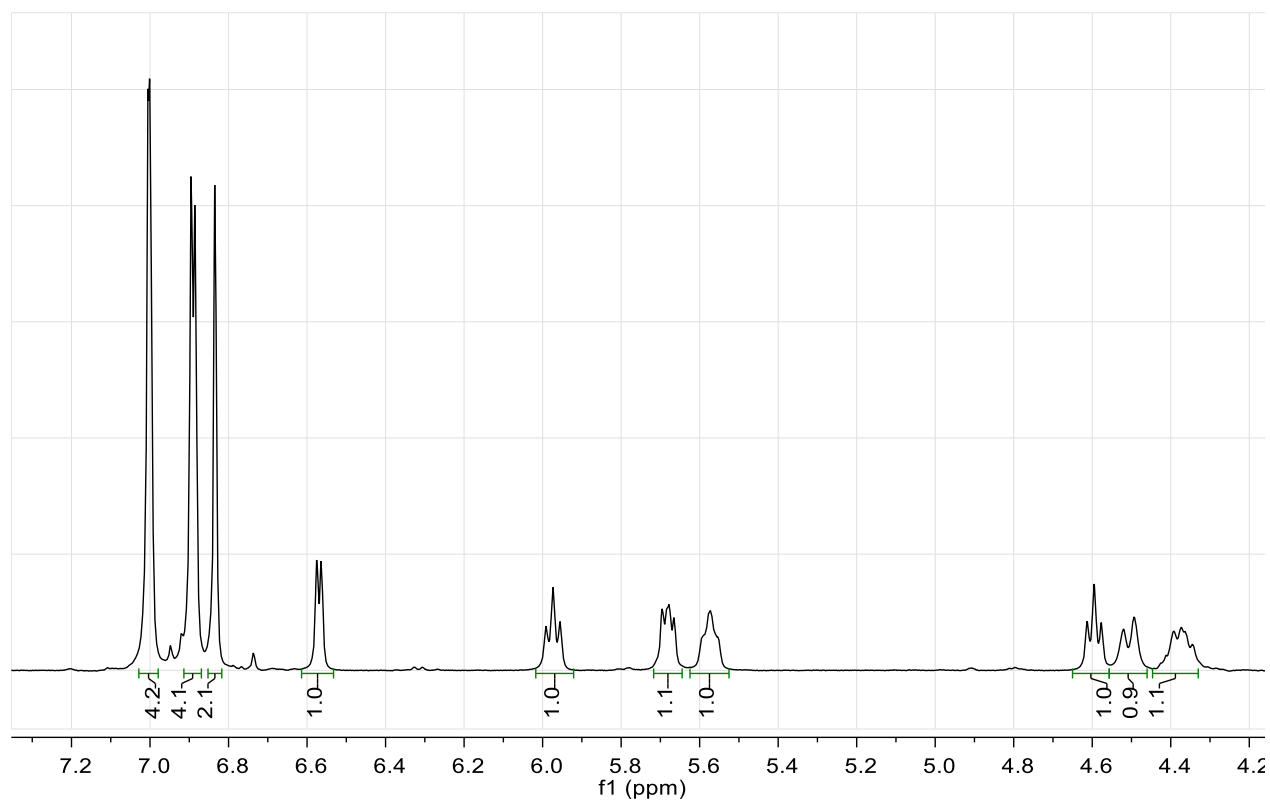
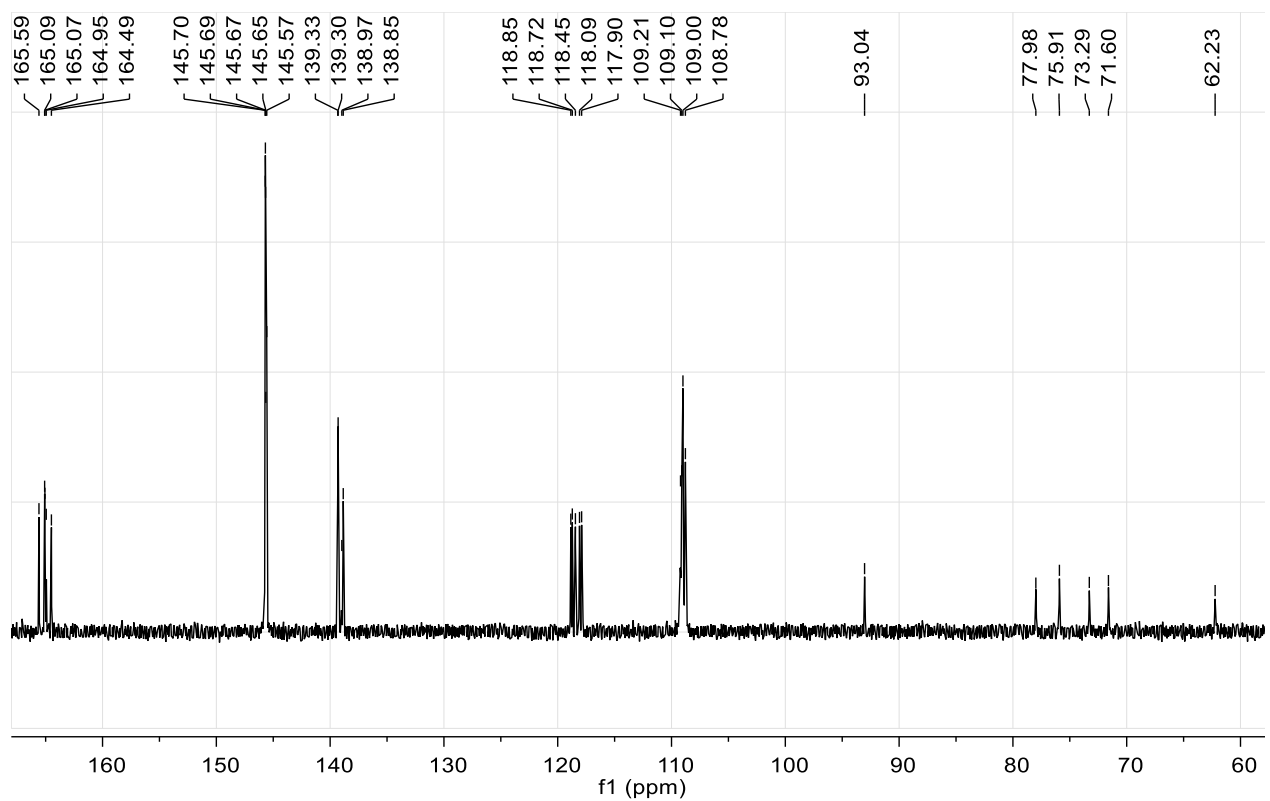
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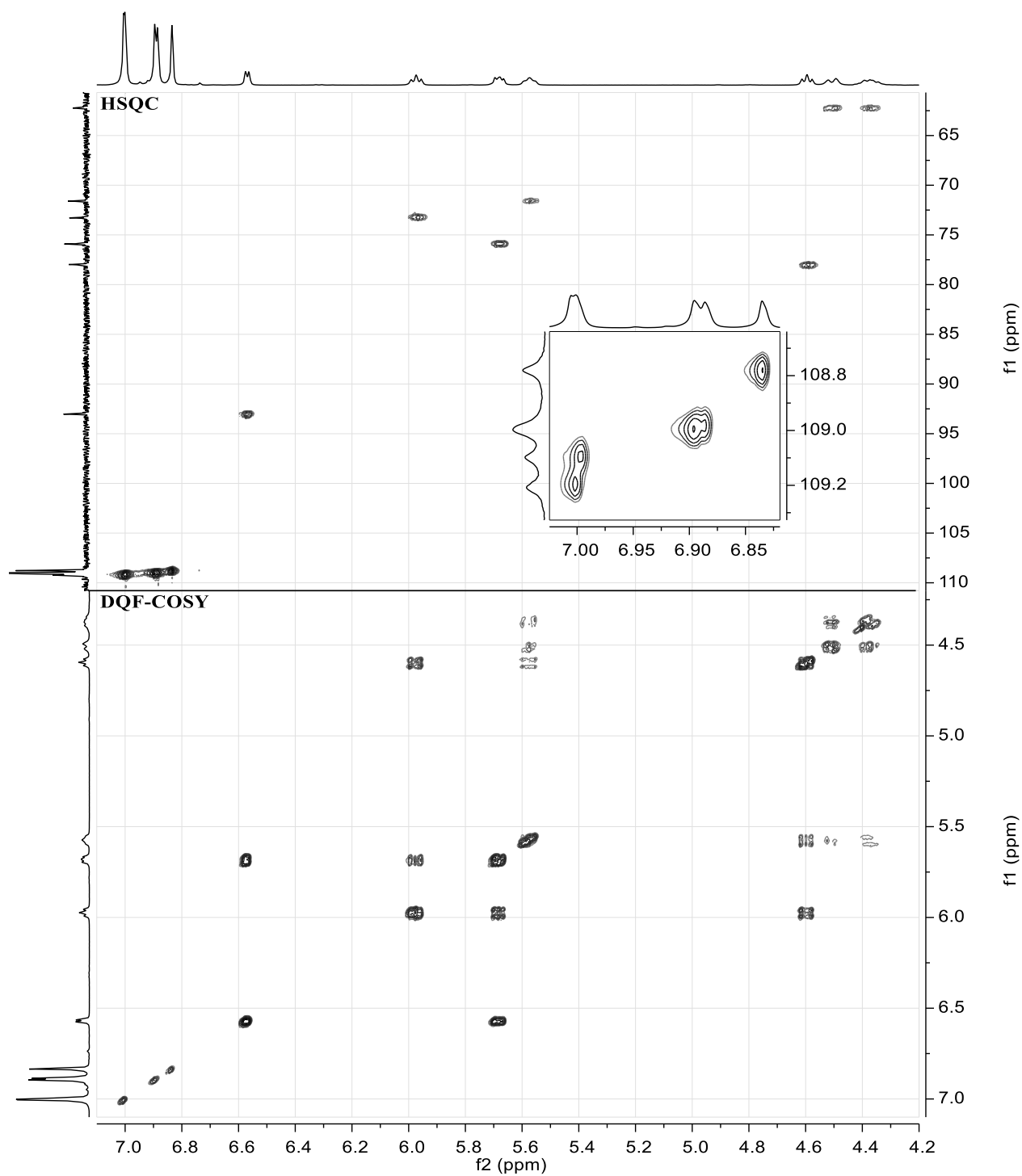
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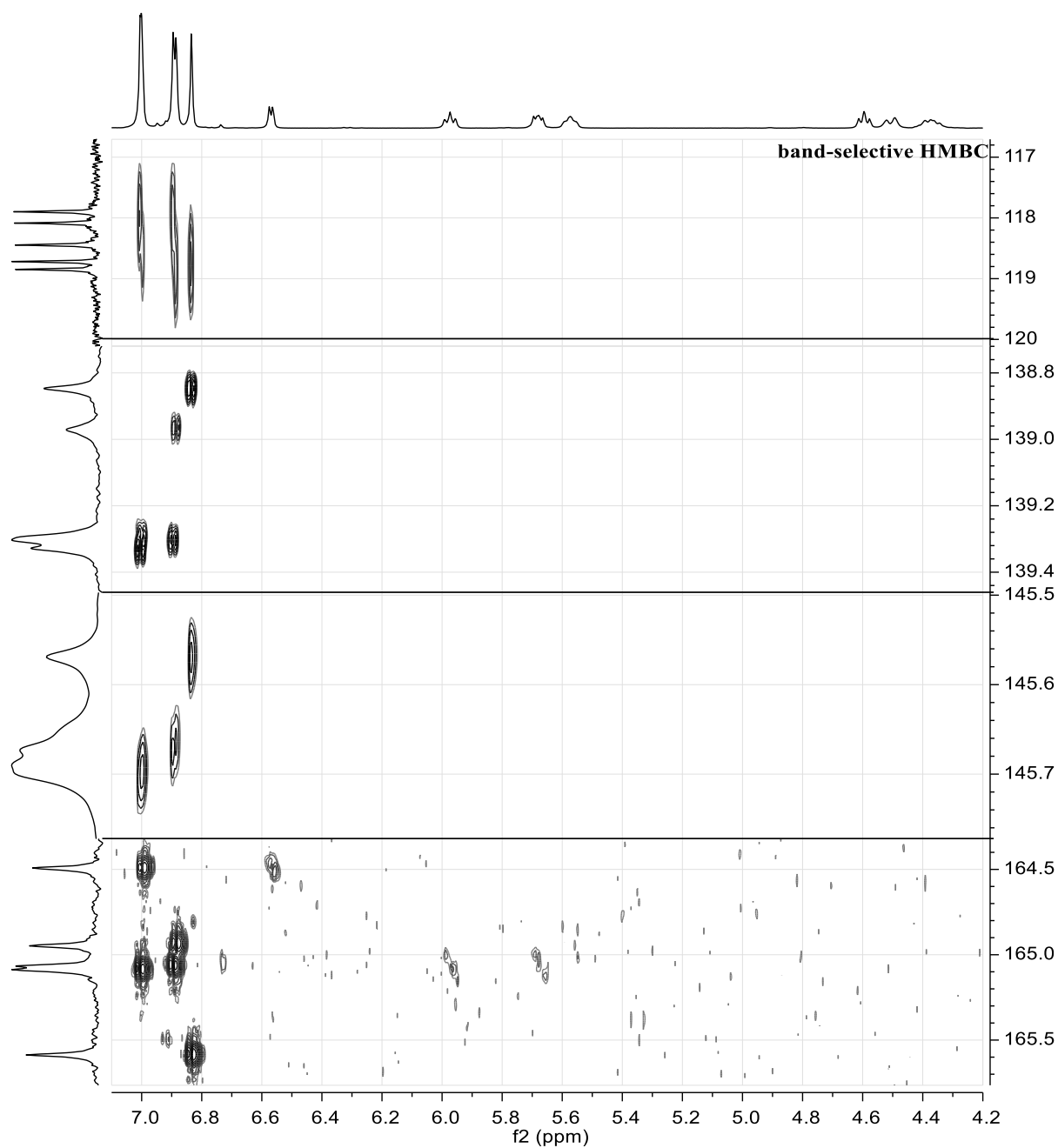
^1H NMR spectrum of 1,2,3,4,6-pentagalloyl- β -D-galactopyranose (3β) **^{13}C NMR spectrum of 1,2,3,4,6-pentagalloyl- β -D-galactopyranose (3β)**

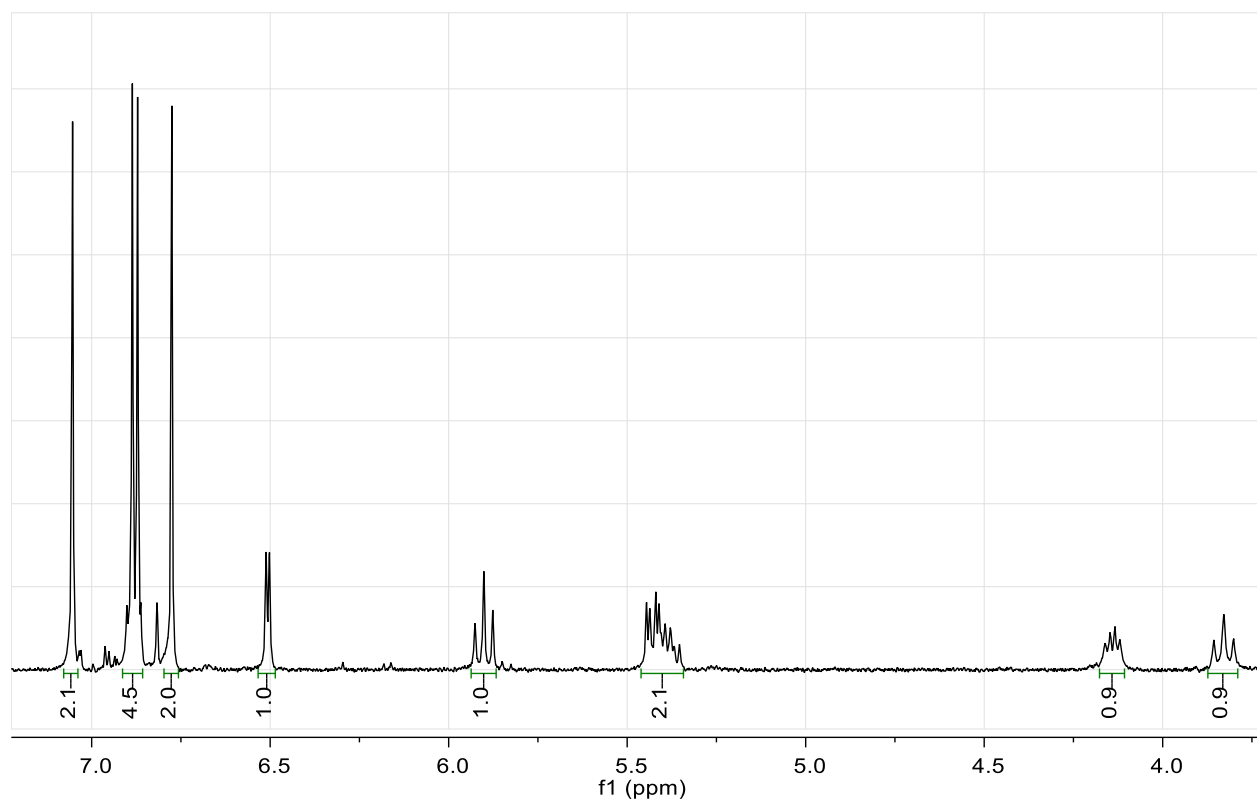
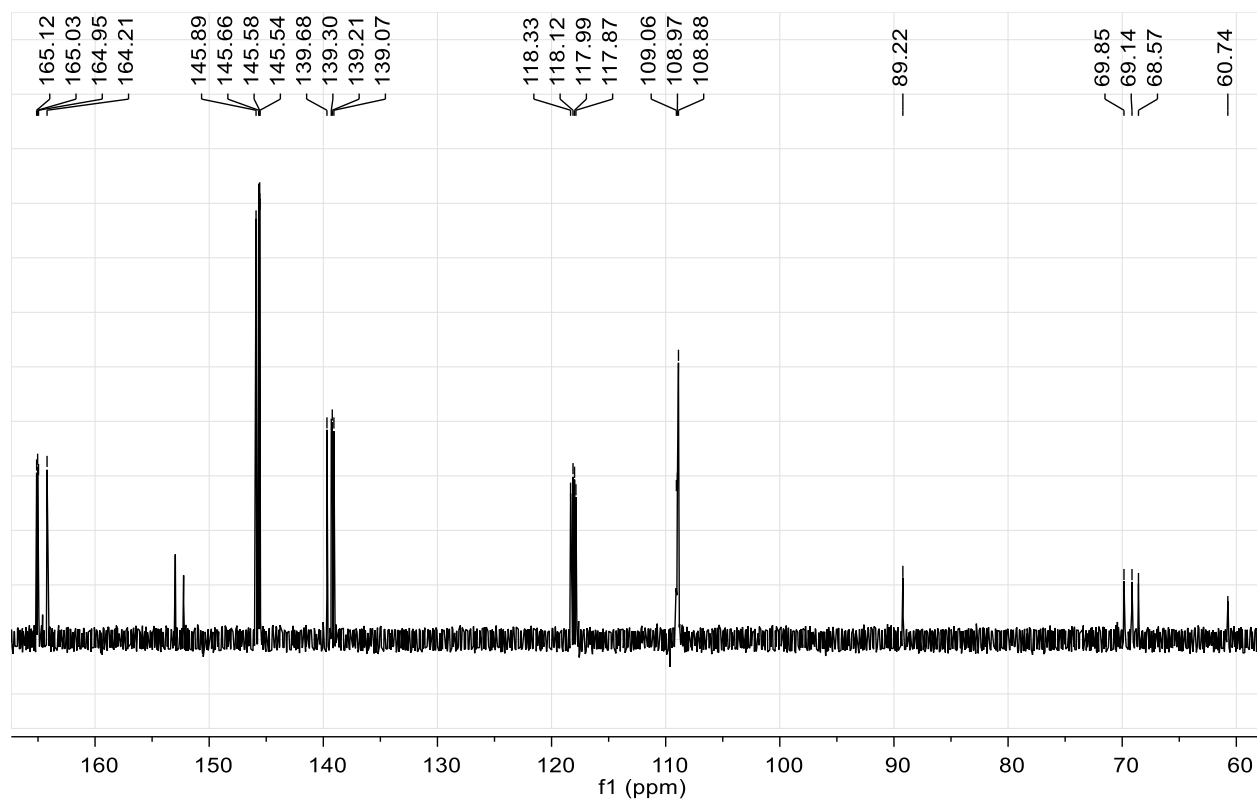
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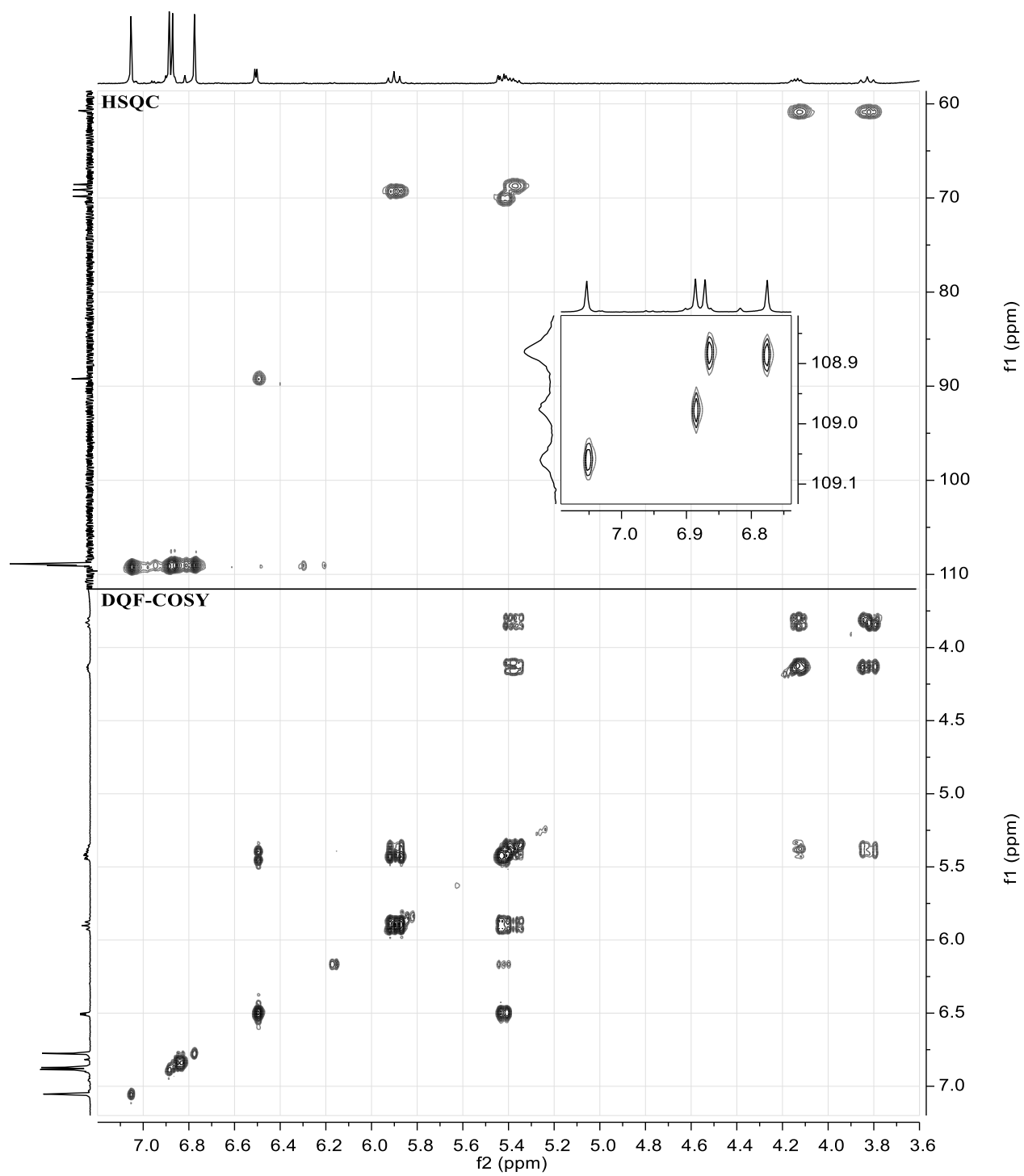
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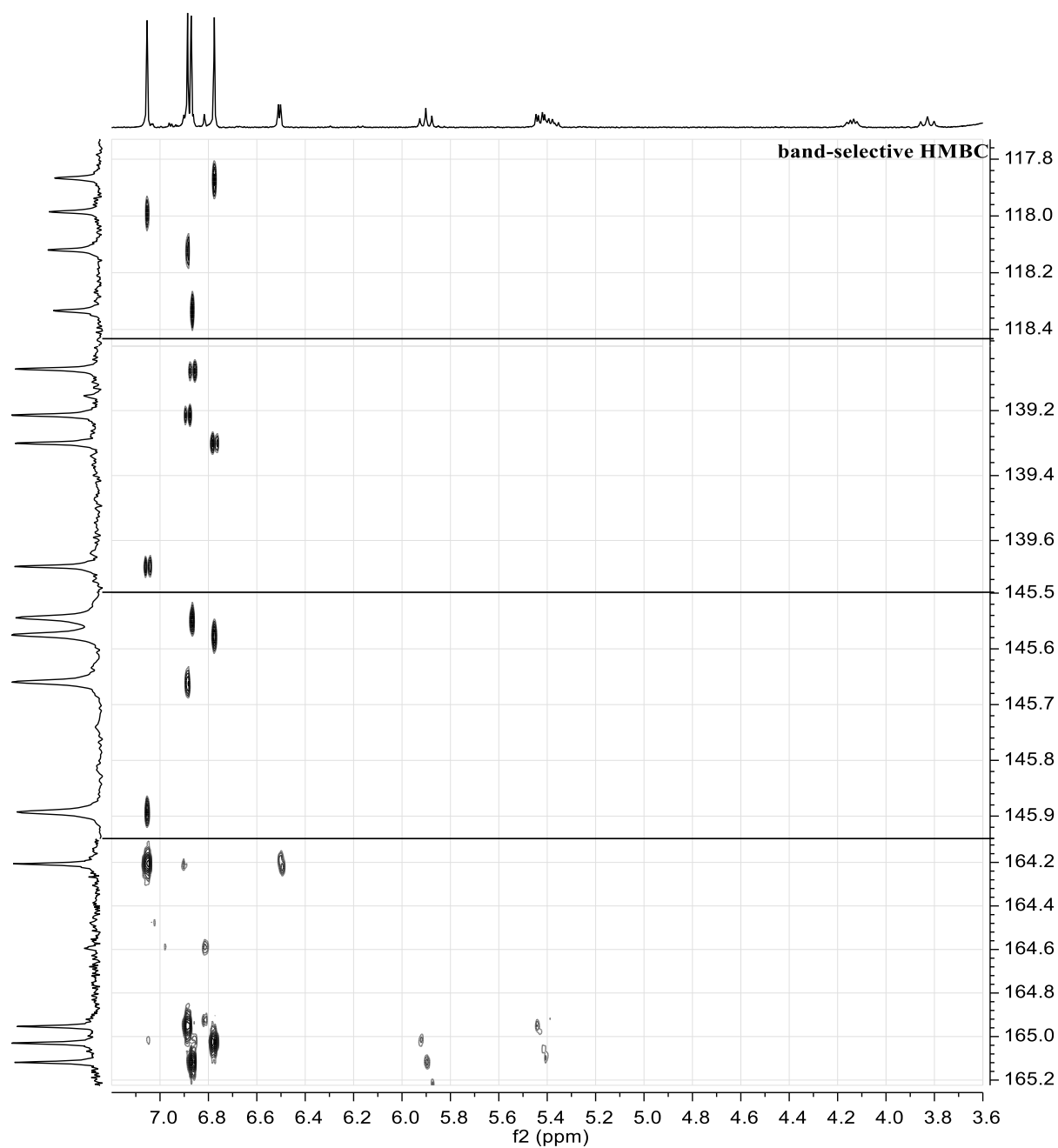
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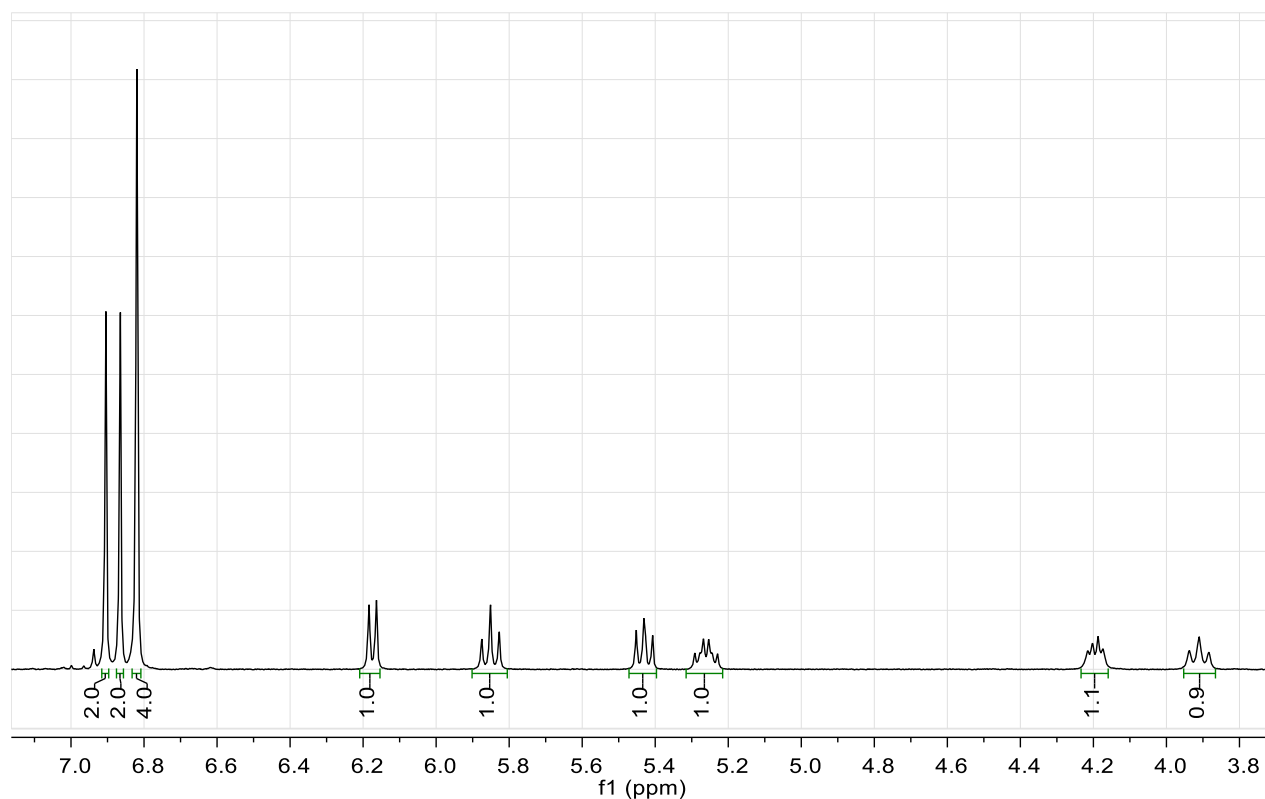
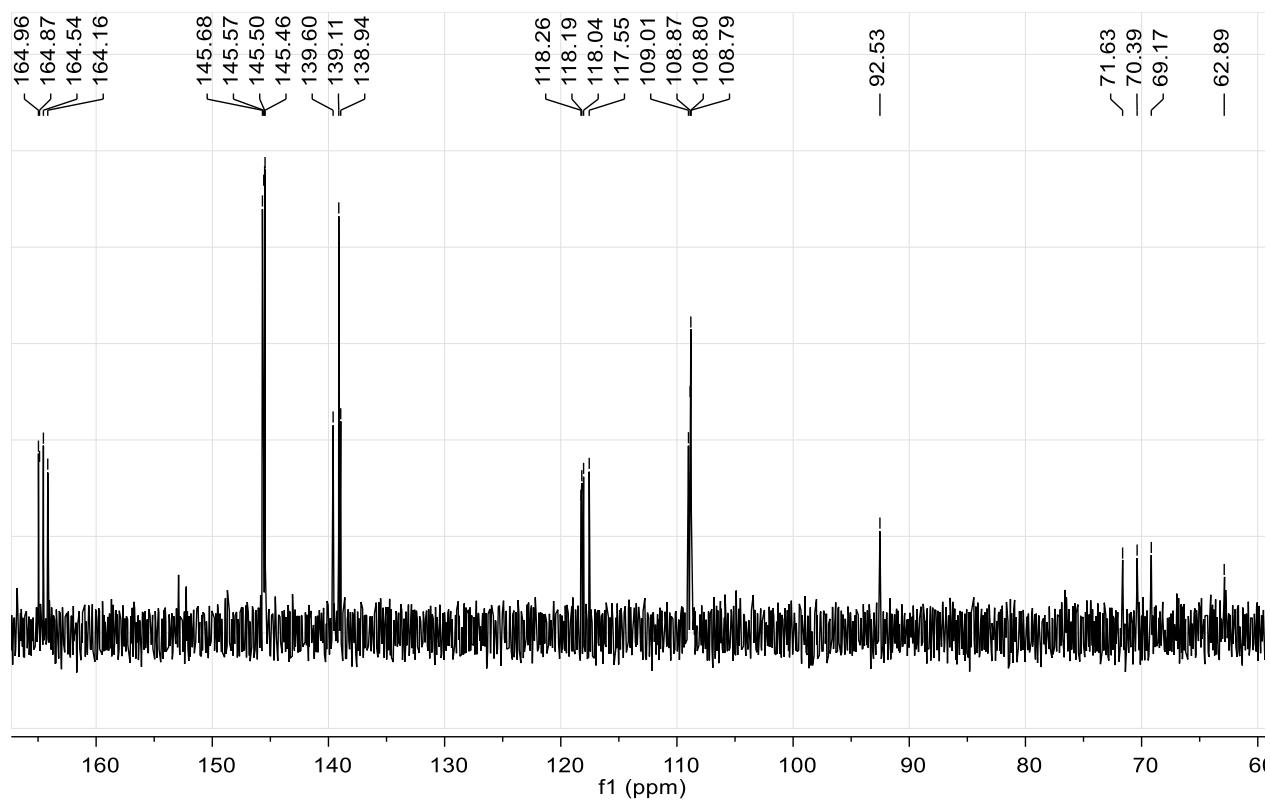
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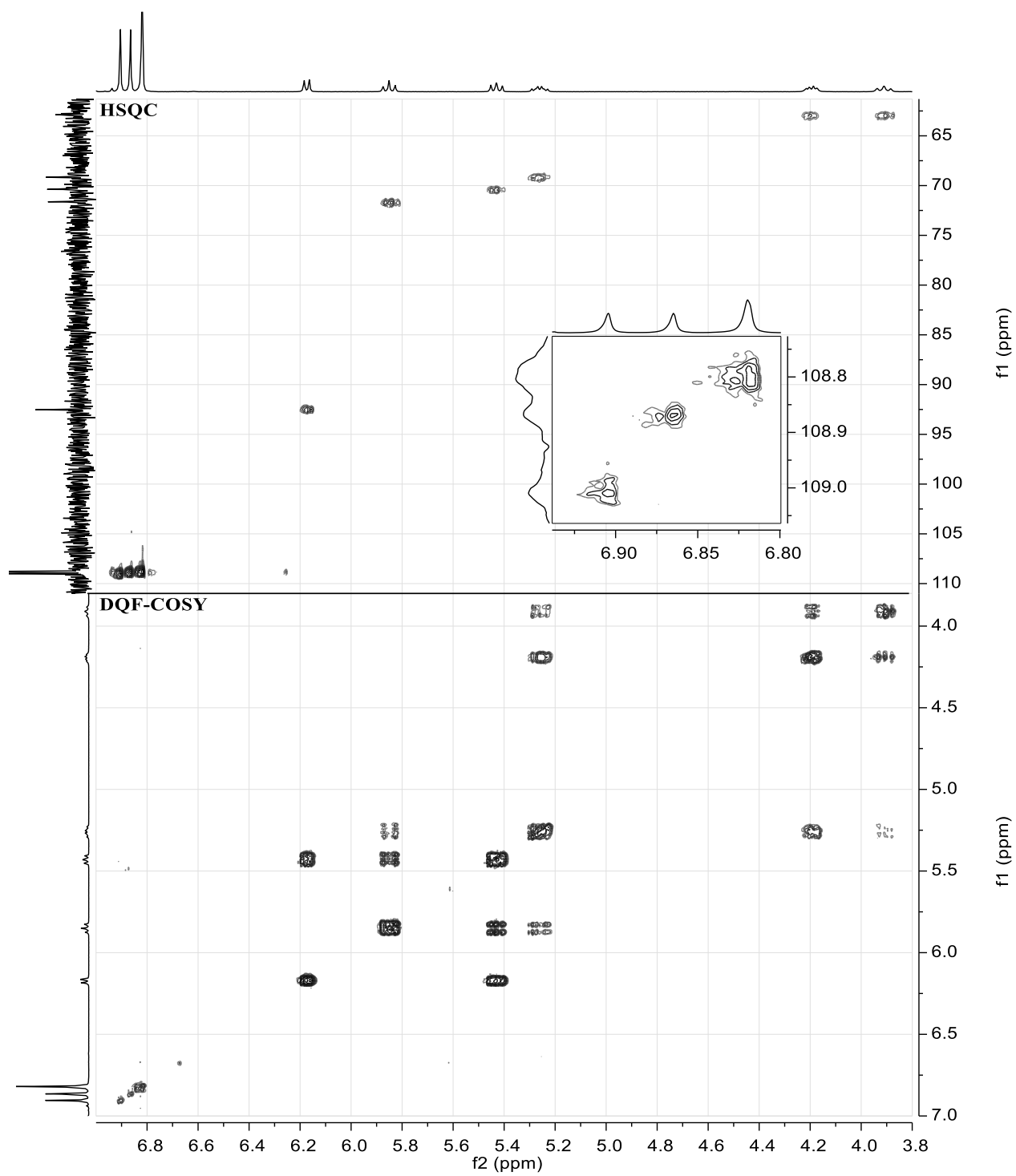
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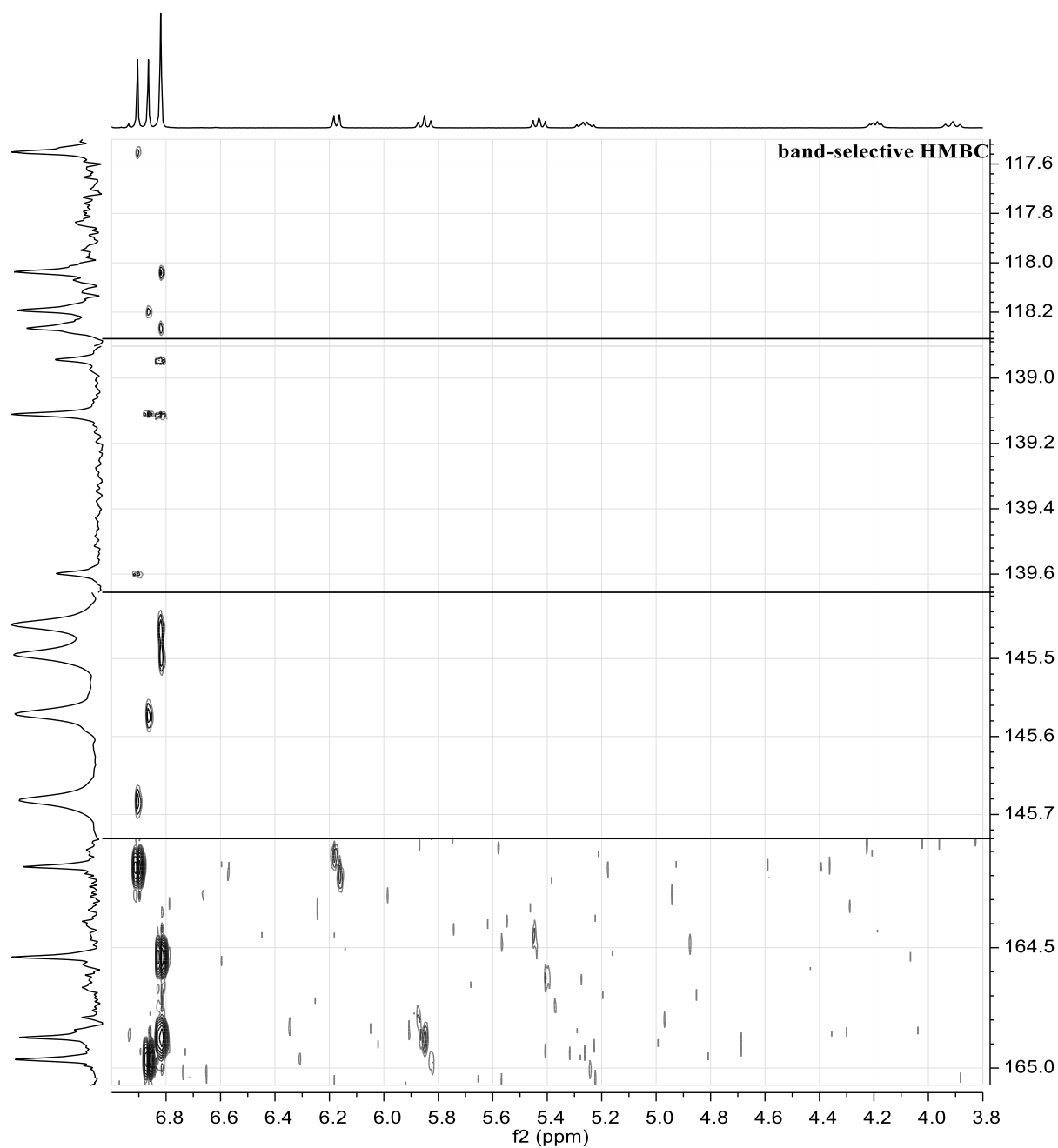
^1H NMR spectrum of 1,2,3,4-tetragalloyl- α -D-xylopyranose (4α) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- α -D-xylopyranose (4α)**

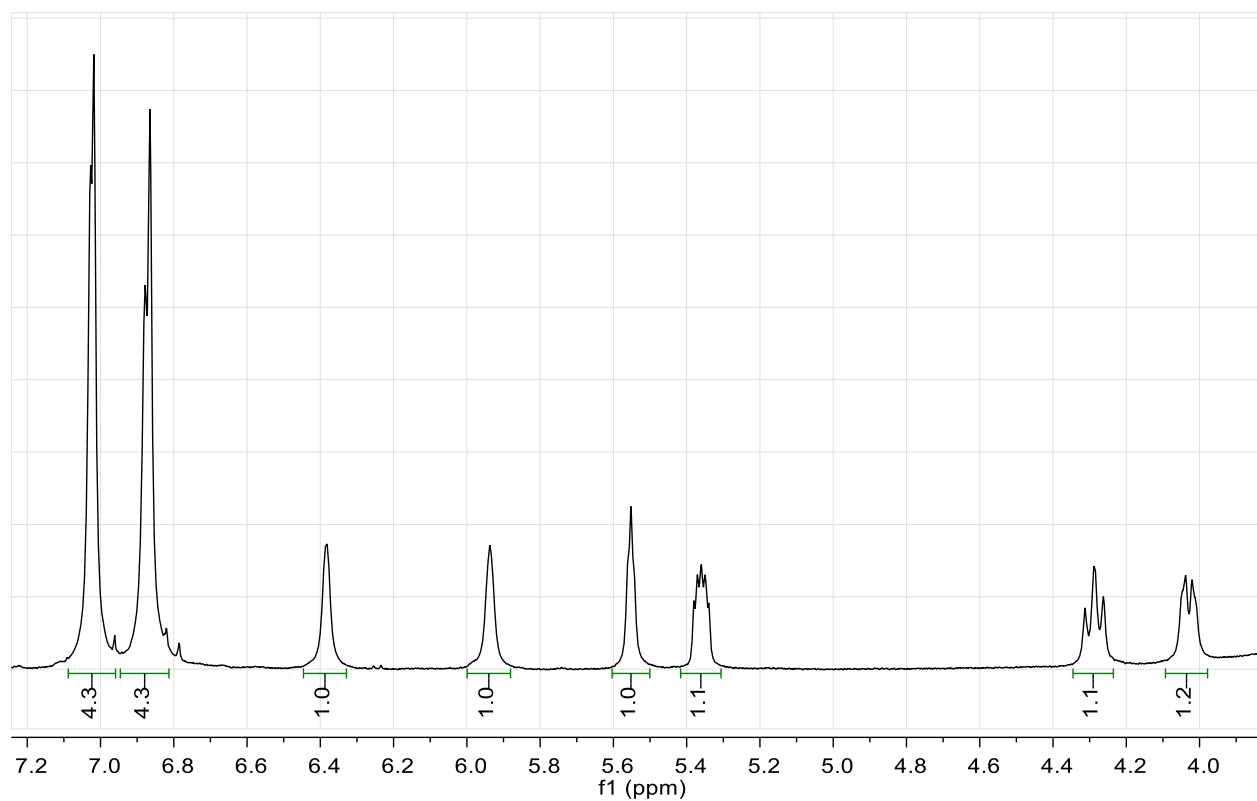
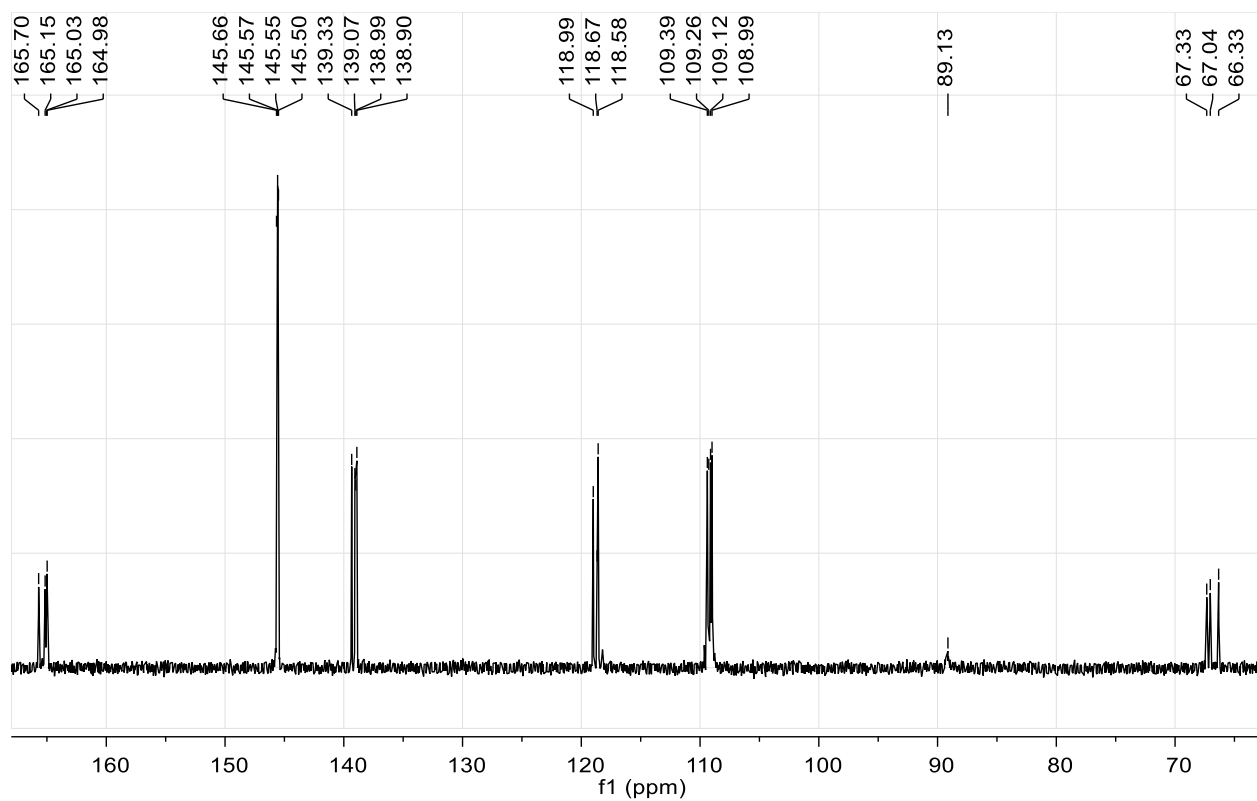
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- α -D-xylopyranose (**4a**)

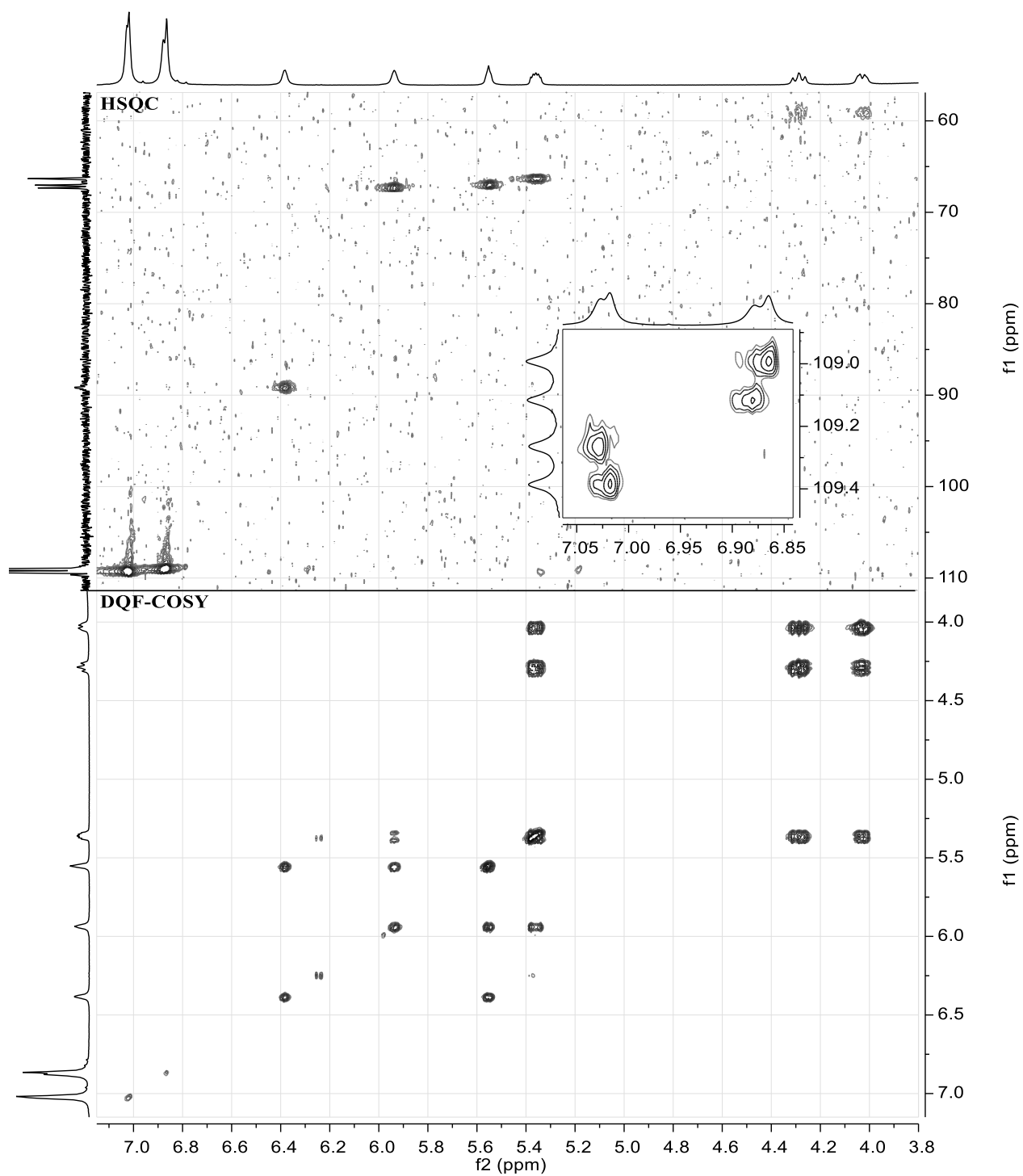
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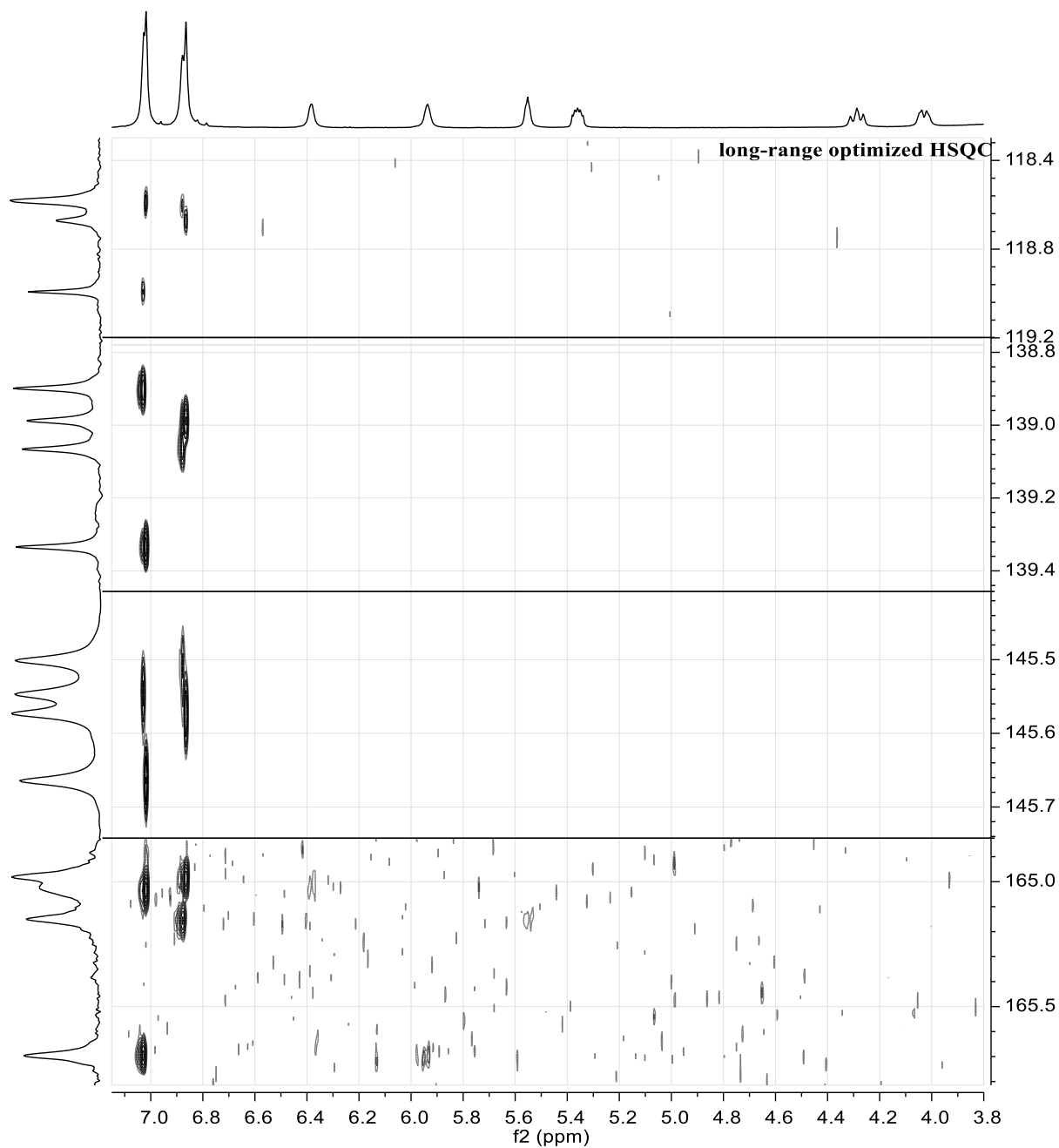
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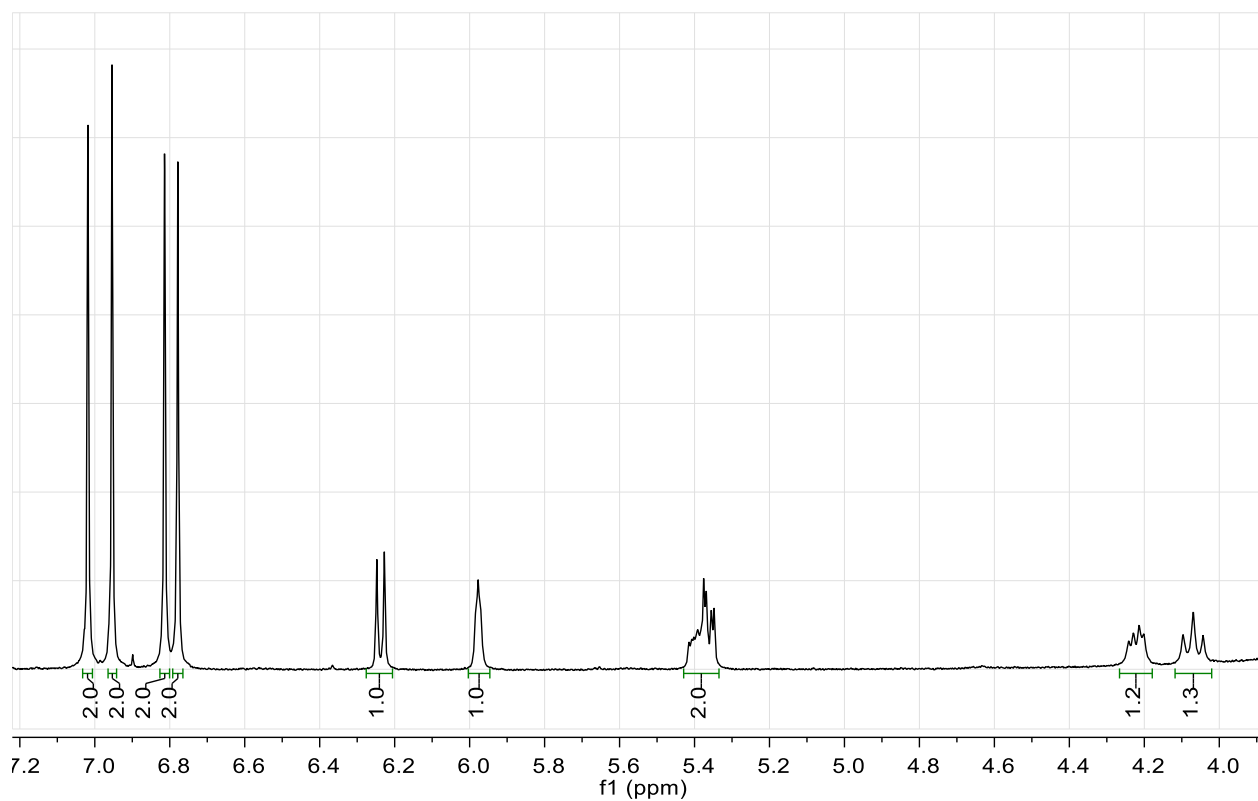
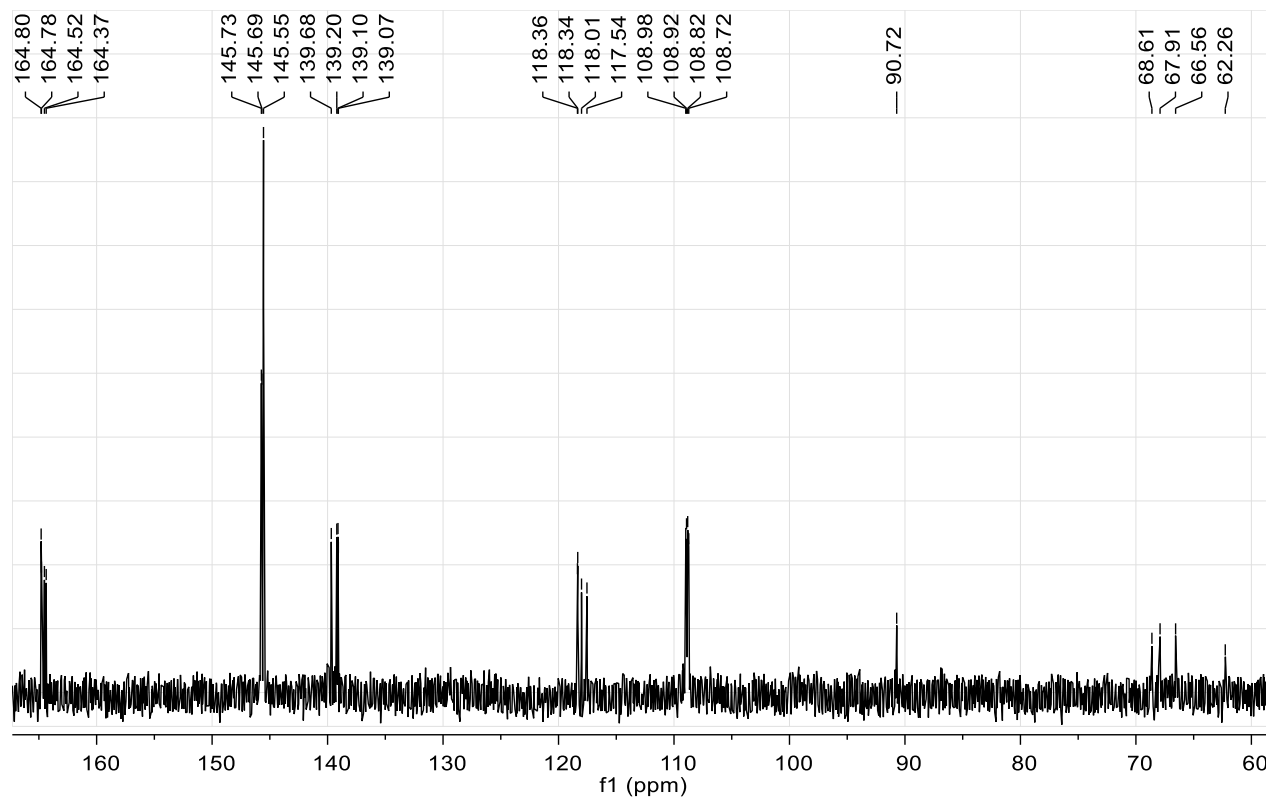
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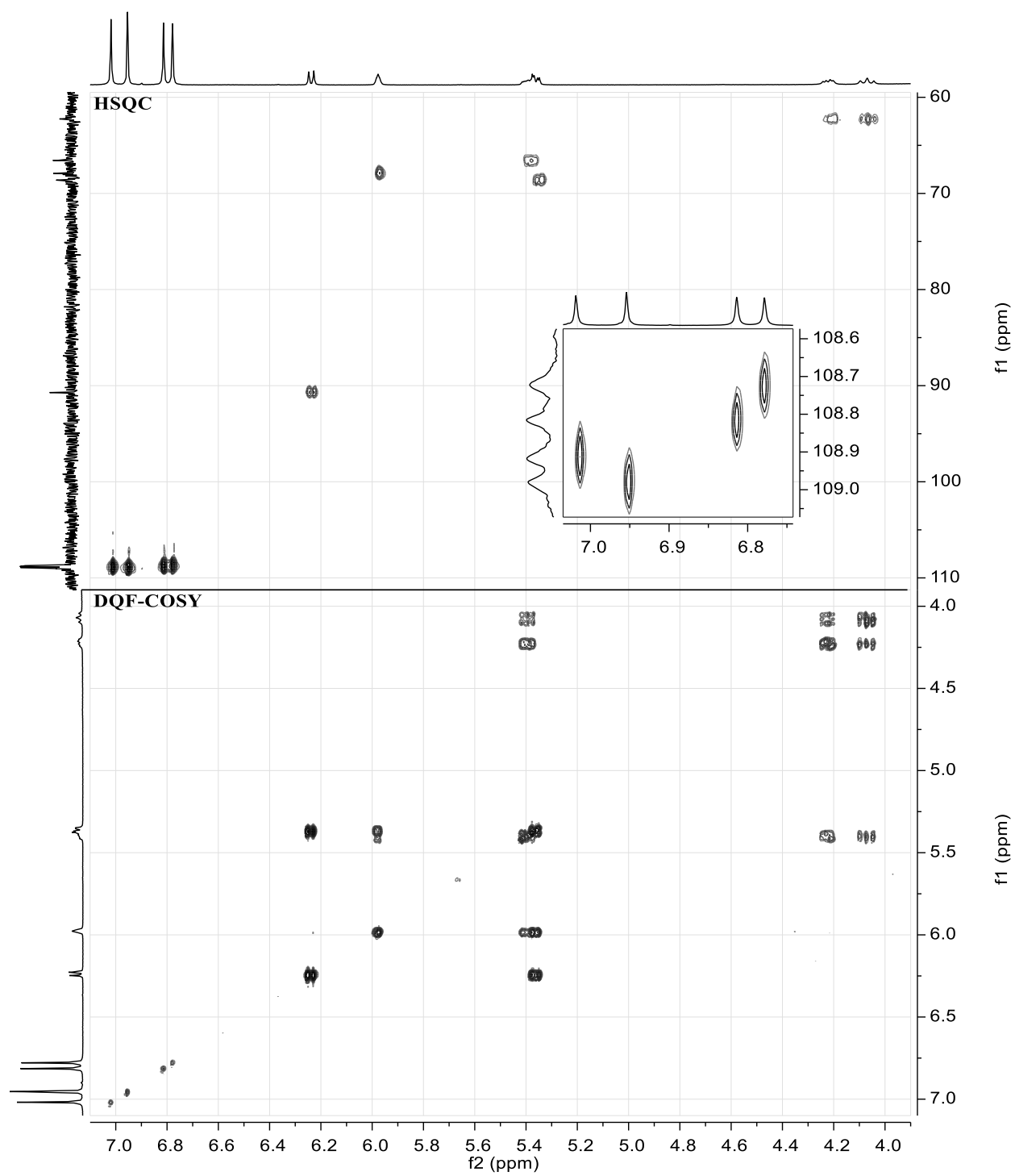
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- β -D-xylopyranose (4 β)

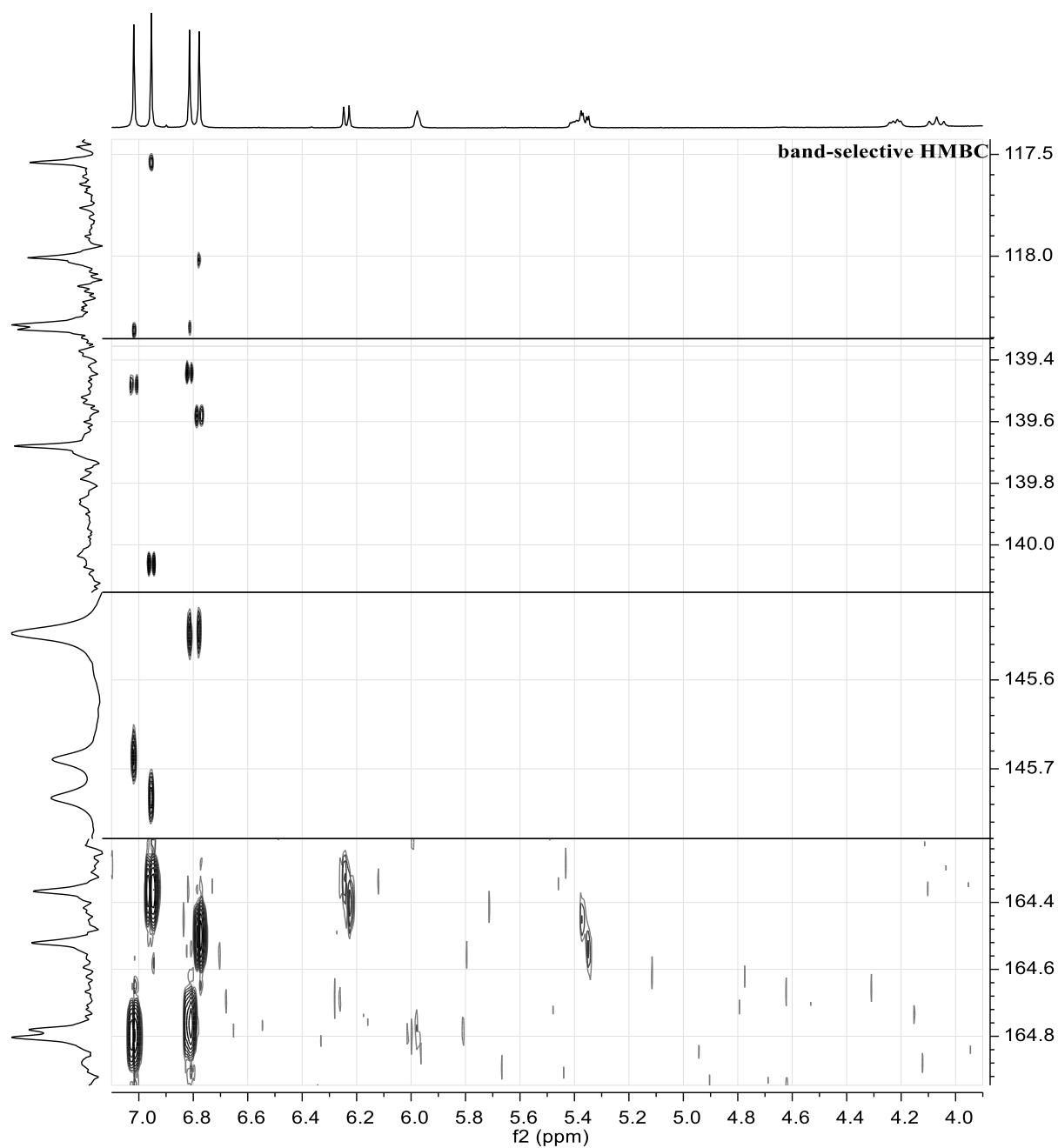
^1H NMR spectrum of 1,2,3,4-tetragalloyl- α -L-ribofuranose (5a**)** **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- α -L-ribofuranose (**5a**)**

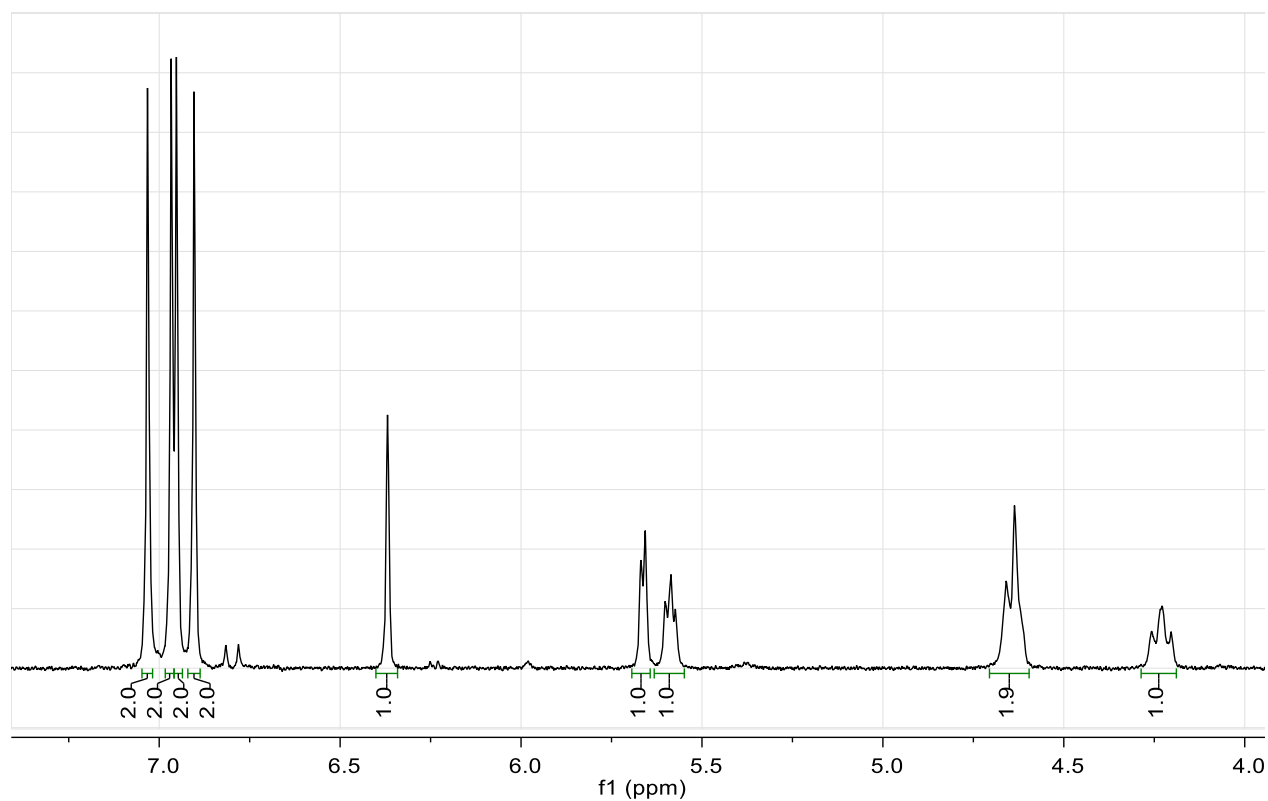
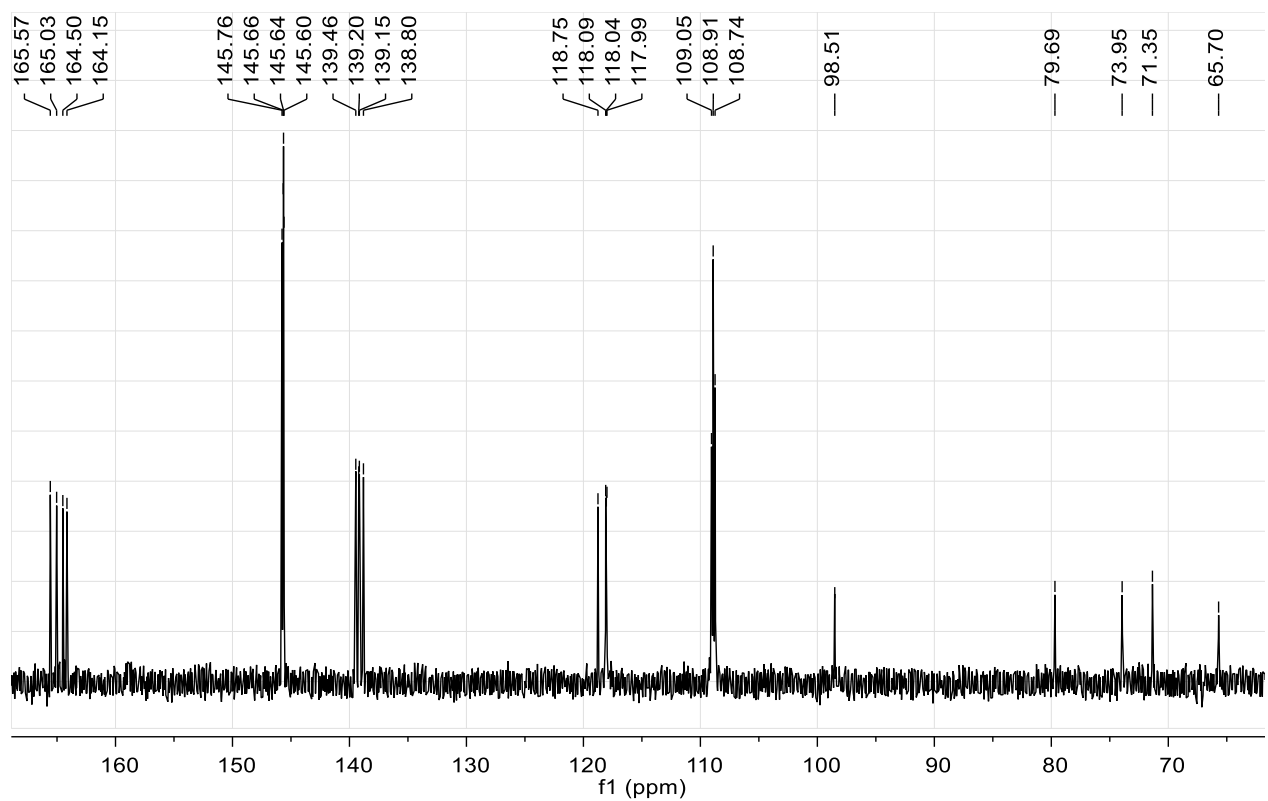
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- α -L-ribofuranose (**5a**)

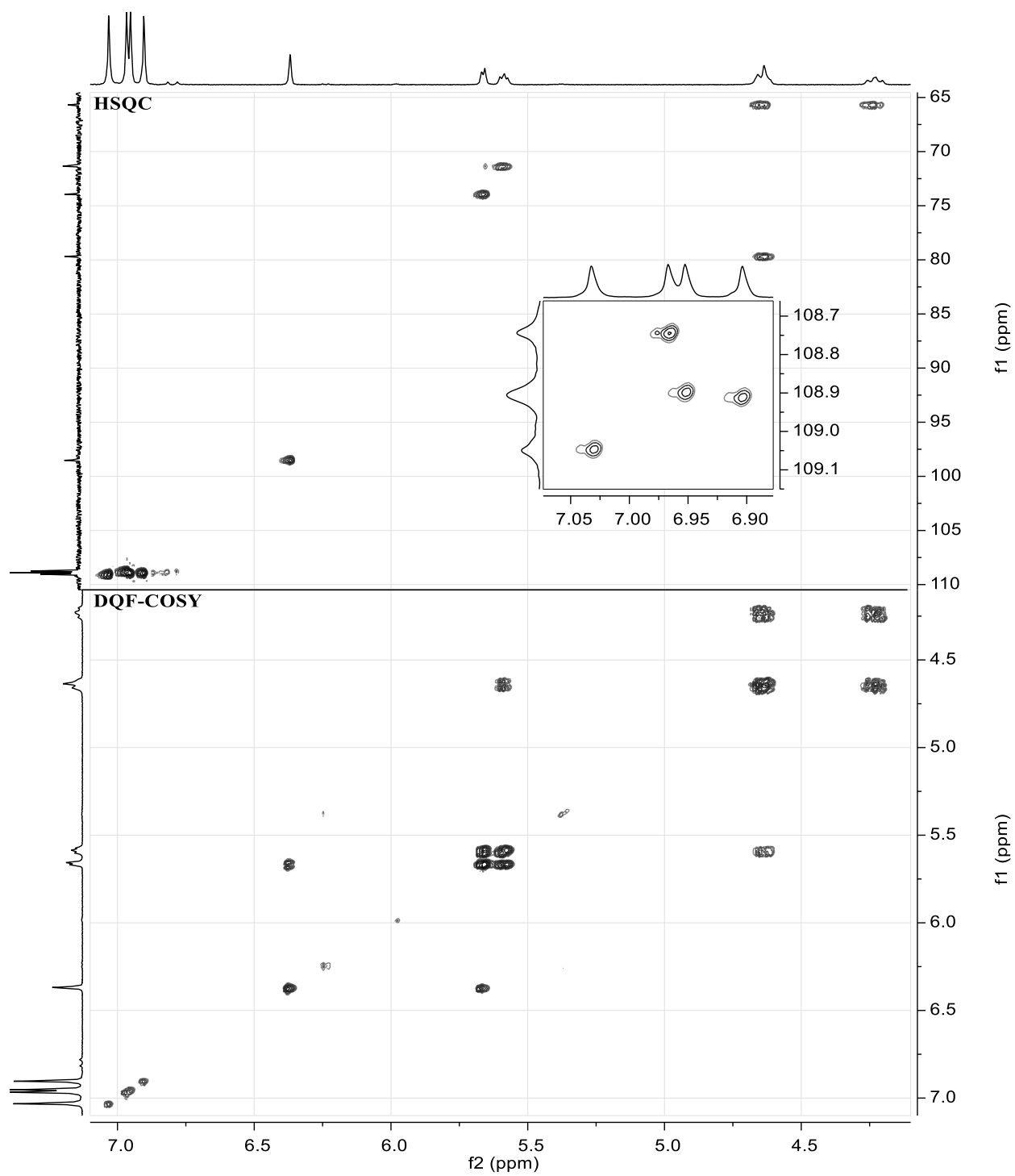
Long-range optimized HSQC spectra of 1,2,3,4-tetragalloyl- α -L-ribose (5a)

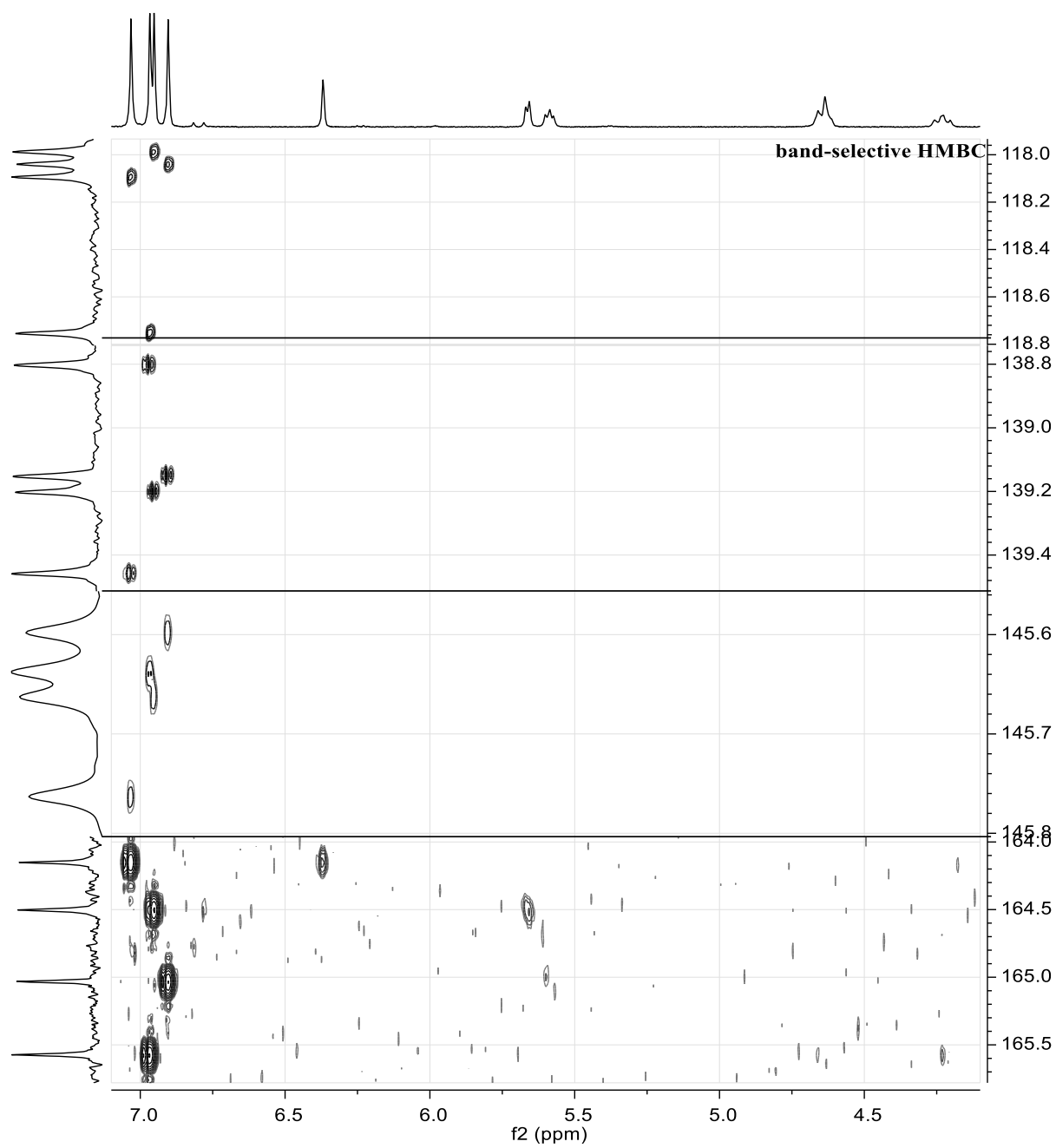
^1H NMR spectrum of 1,2,3,4-tetragalloyl- β -L-ribofuranose (5β) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- β -L-ribofuranose (5β)**

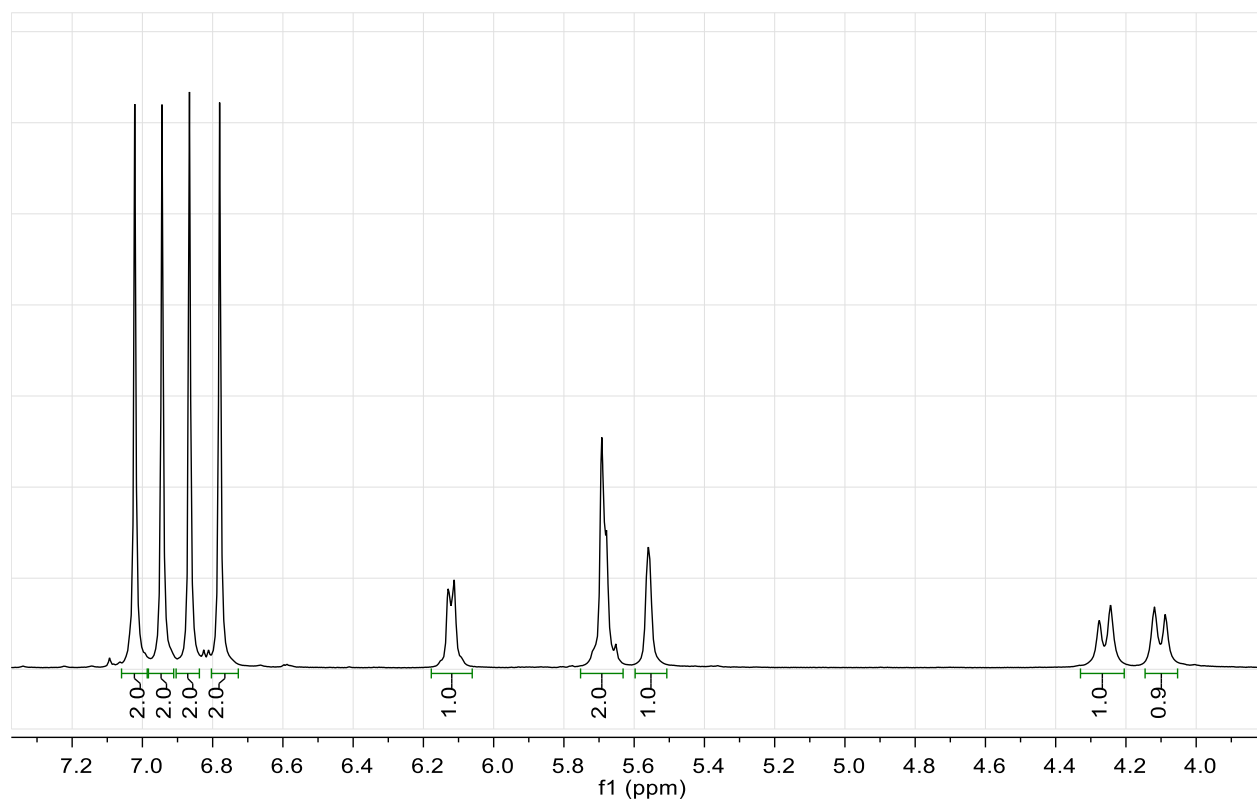
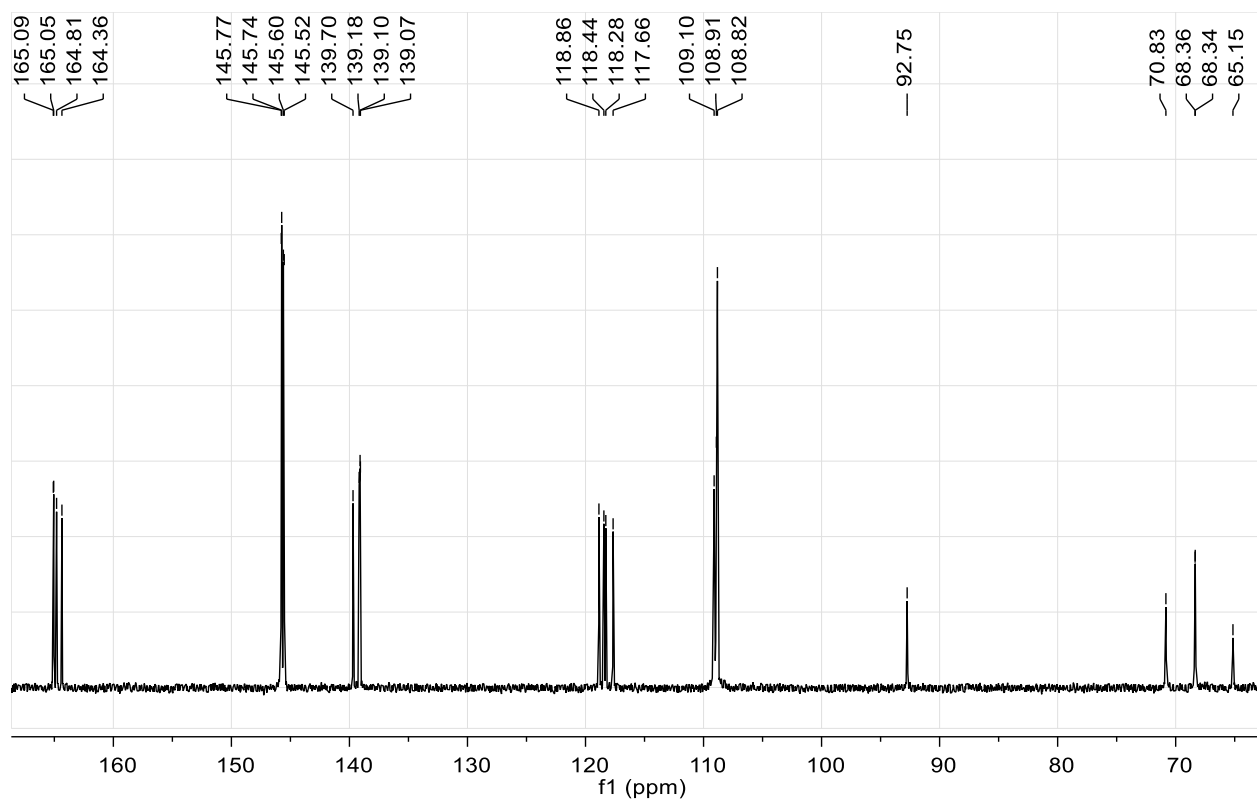
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- β -L-ribofuranose (5β)

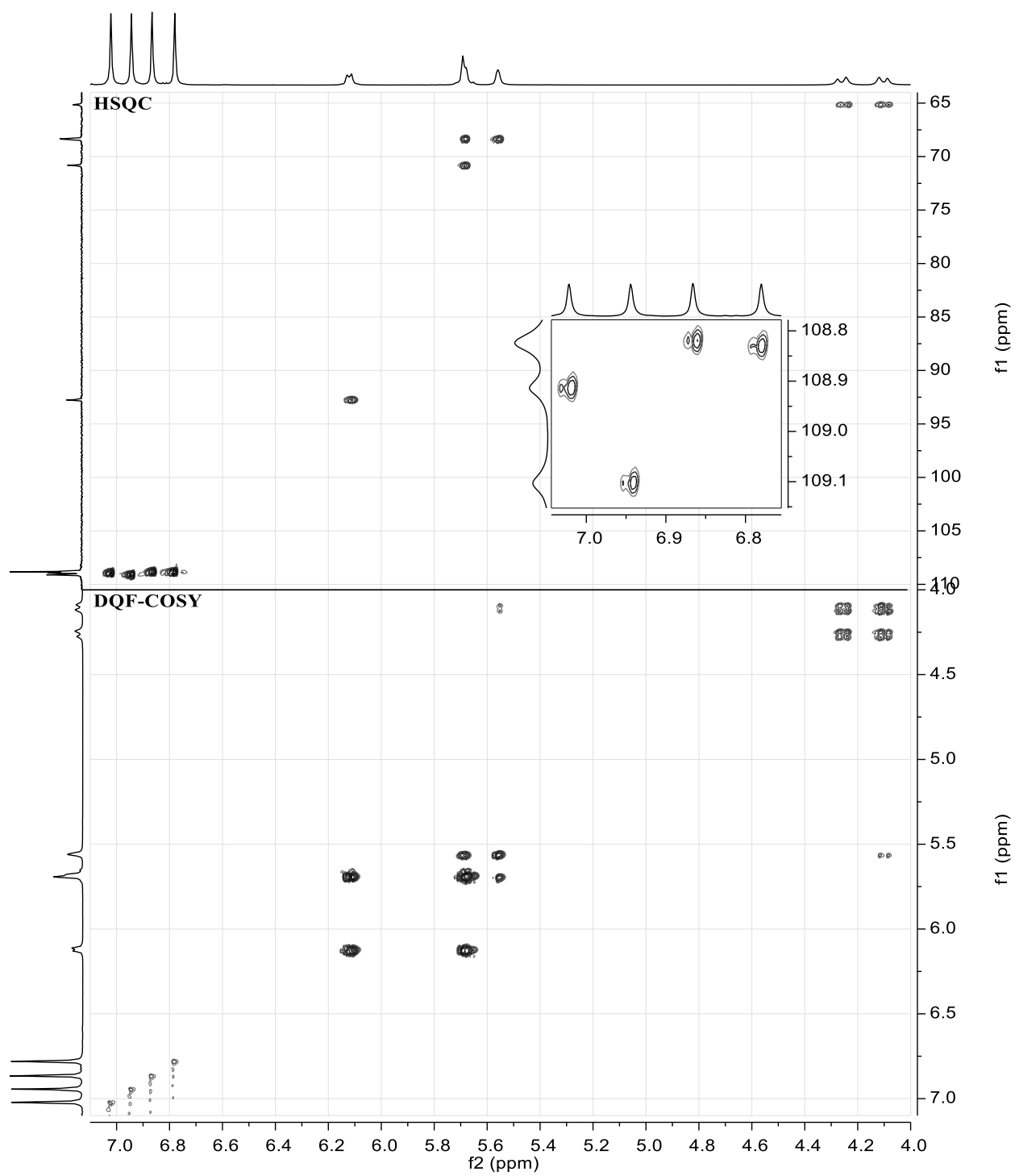
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- β -L-ribose (5 β)

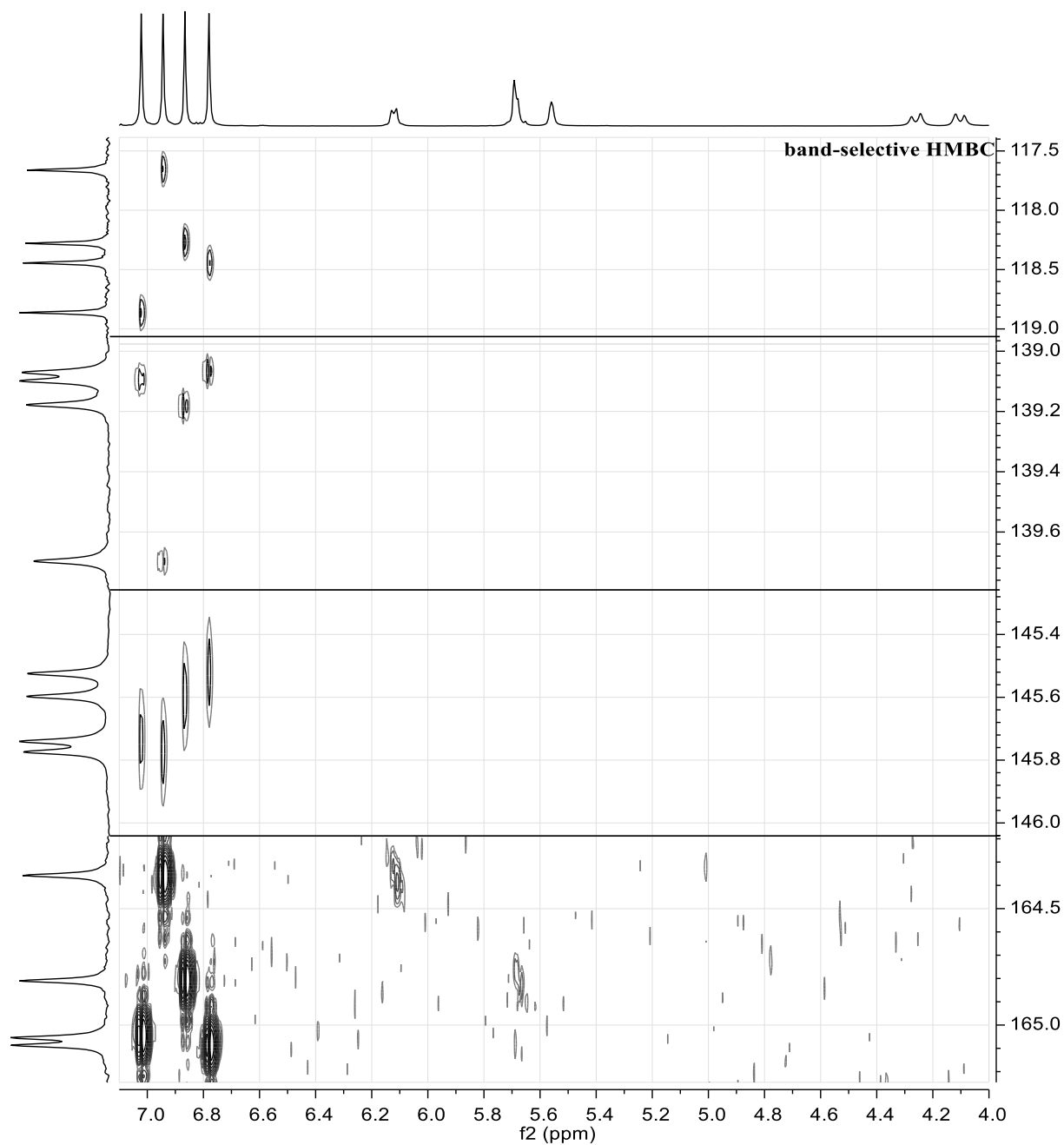
^1H NMR spectrum of 1,2,3,5-tetragalloyl- β -L-ribofuranose (5f) **^{13}C NMR spectrum of 1,2,3,5-tetragalloyl- β -L-ribofuranose (5f)**

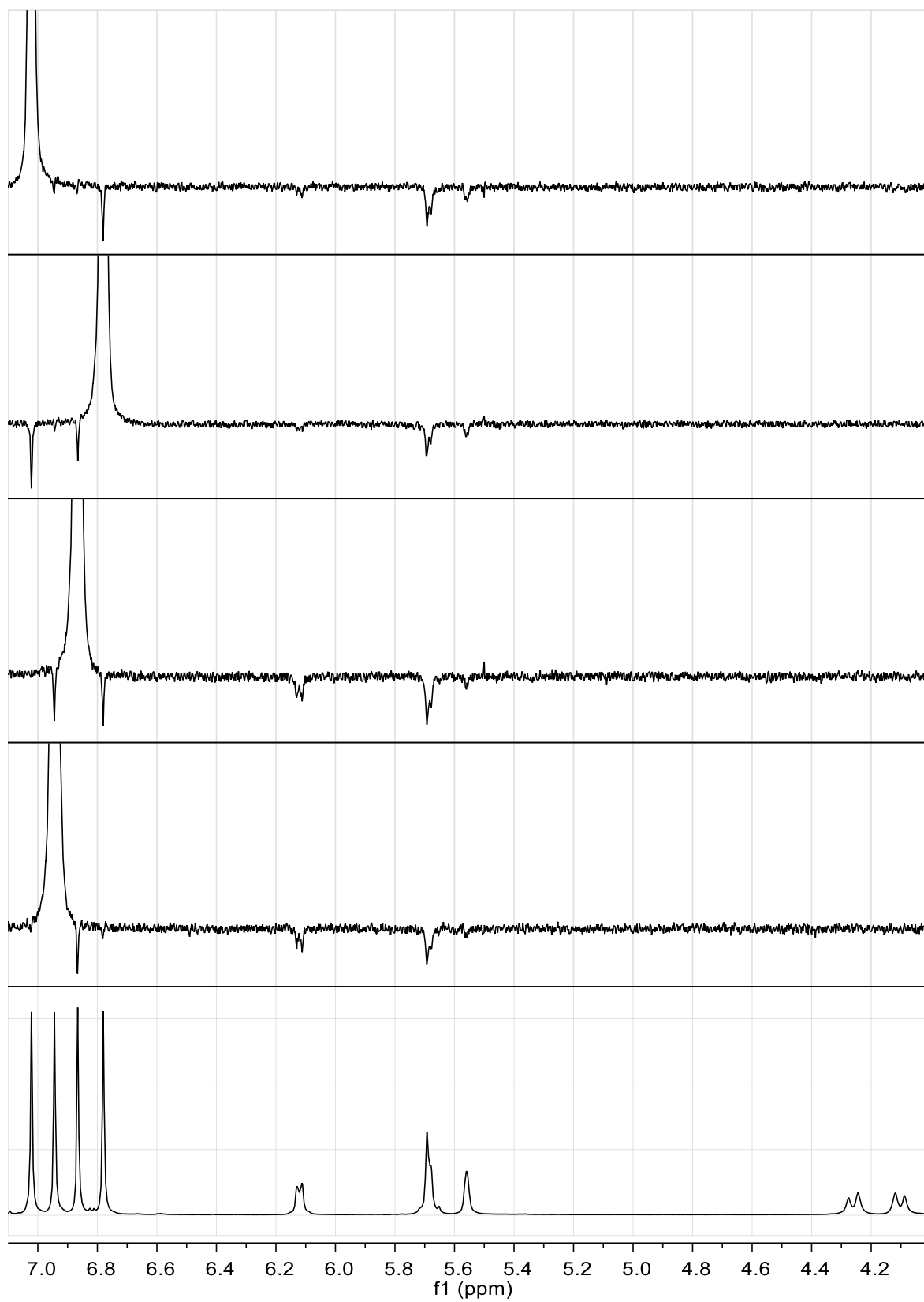
HSQC and DQF-COSY spectra of 1,2,3,5-tetragalloyl- β -L-ribofuranose (**5f**)

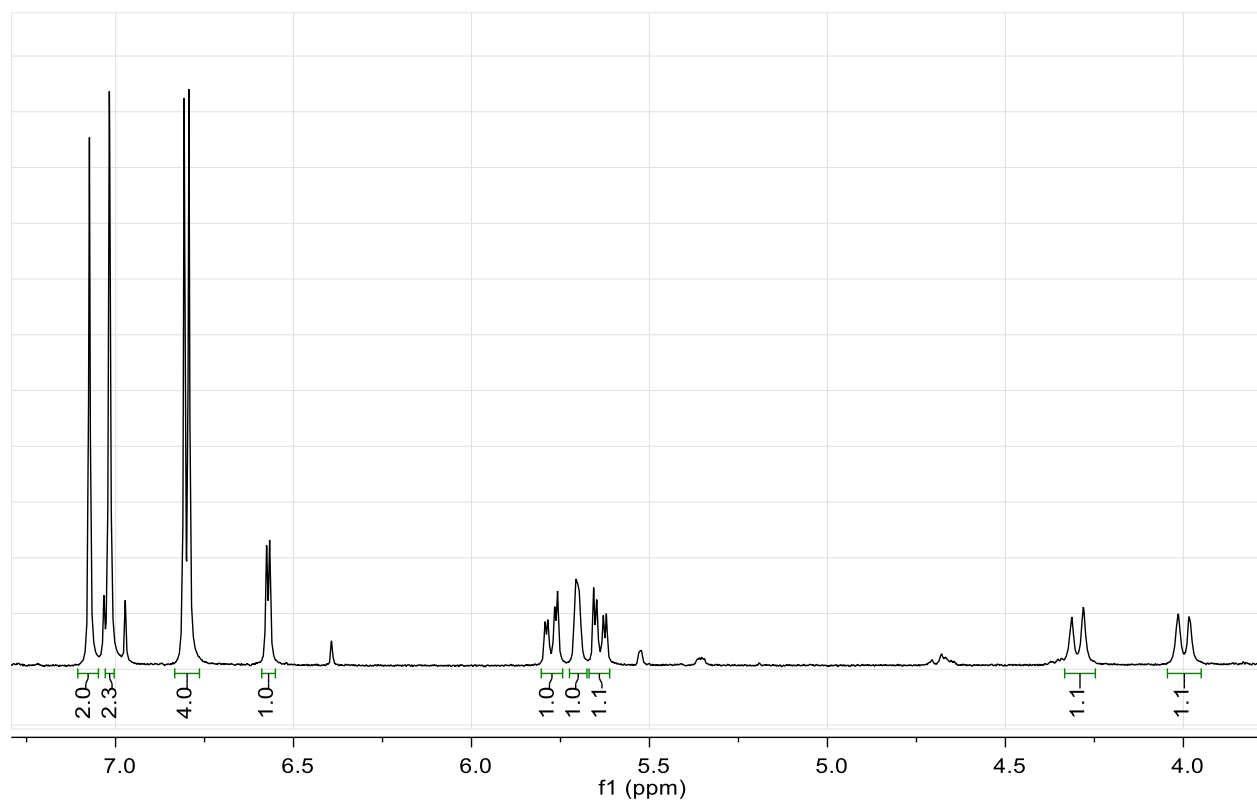
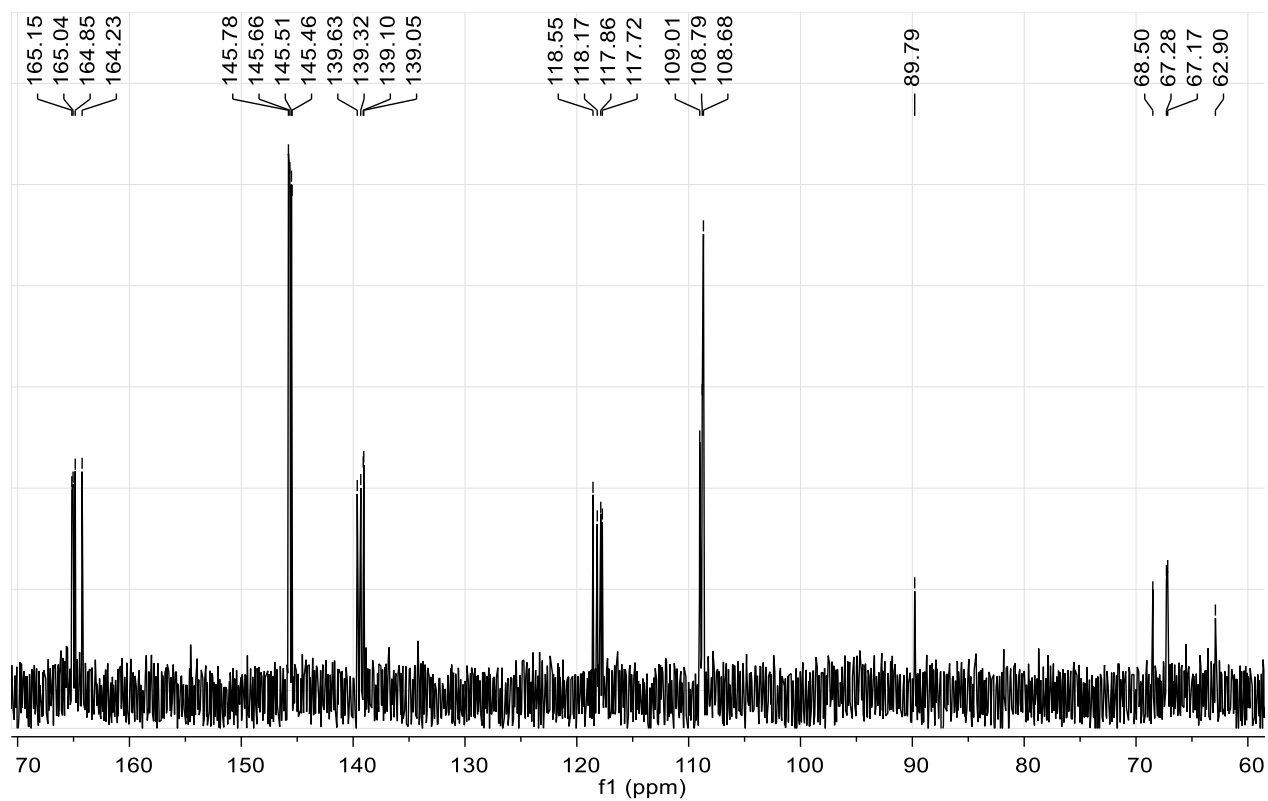
Band-selective HMBC spectra of 1,2,3,5-tetragalloyl- β -L-ribofuranose (5f)

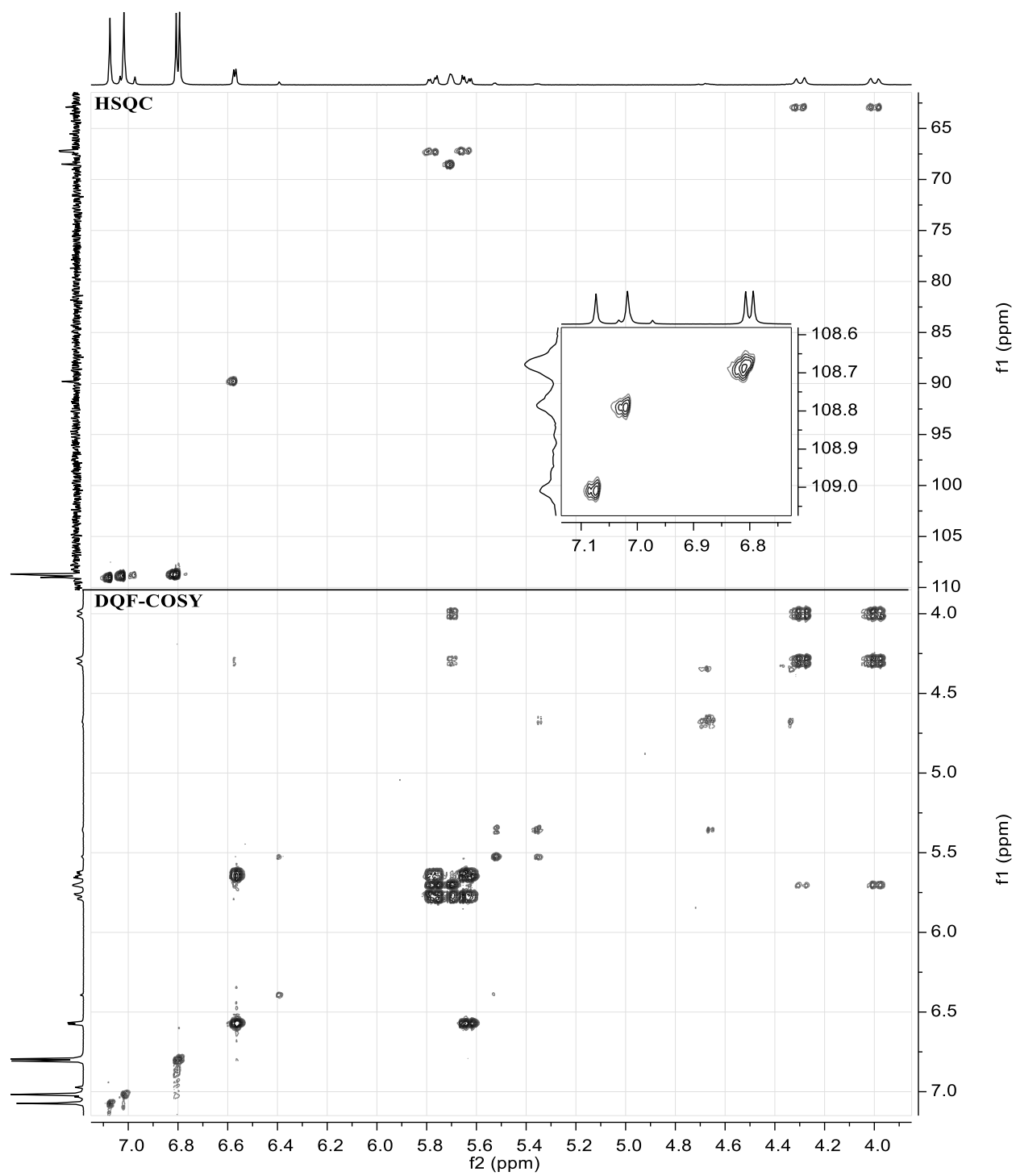
^1H NMR spectrum of 1,2,3,4-tetragalloyl- α -L-arabinopyranose (6α) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- α -L-arabinopyranose (6α)**

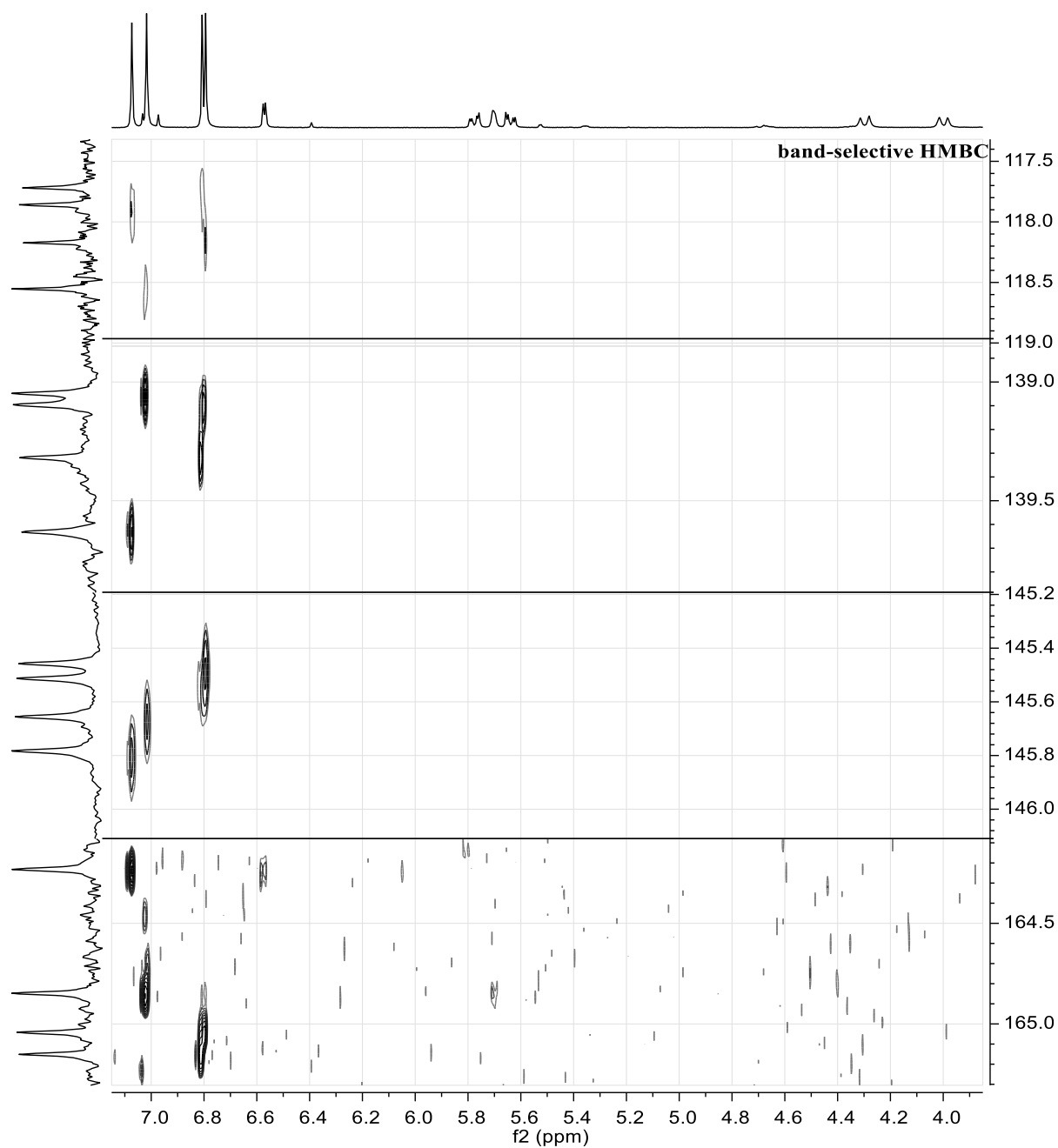


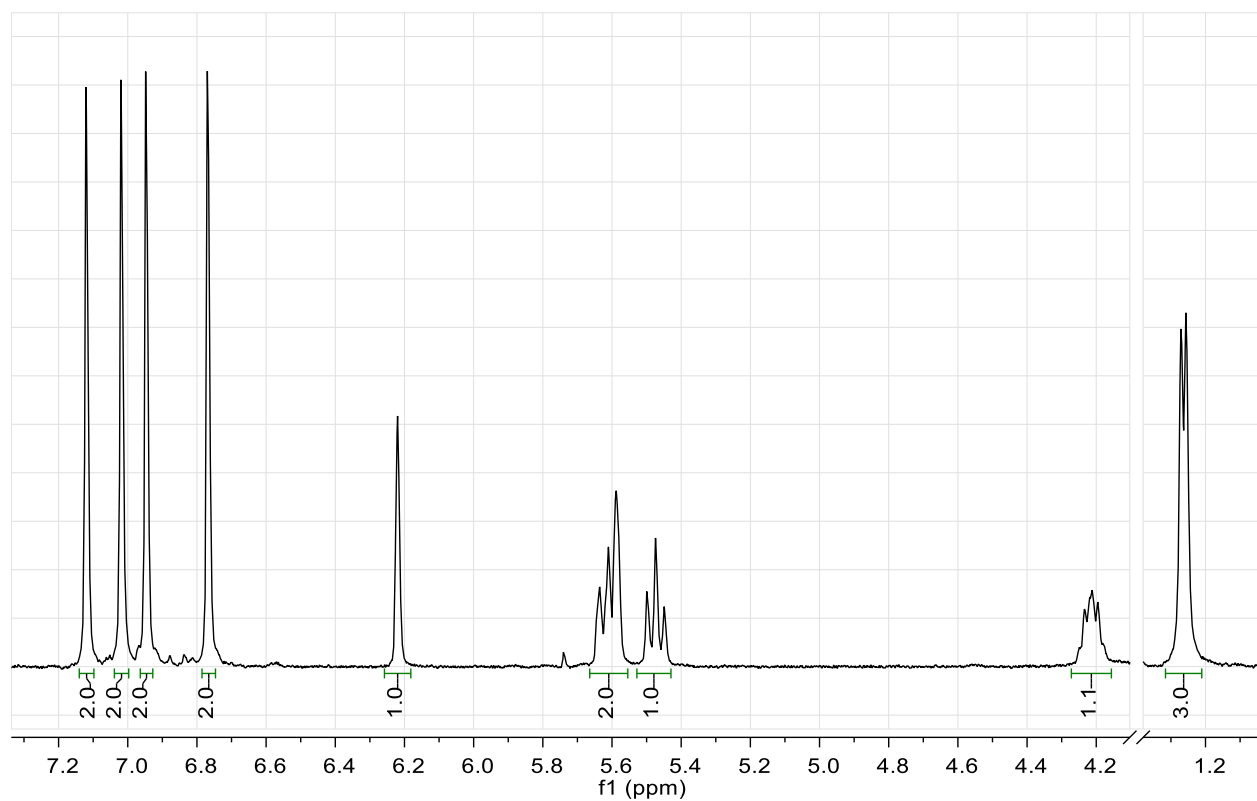
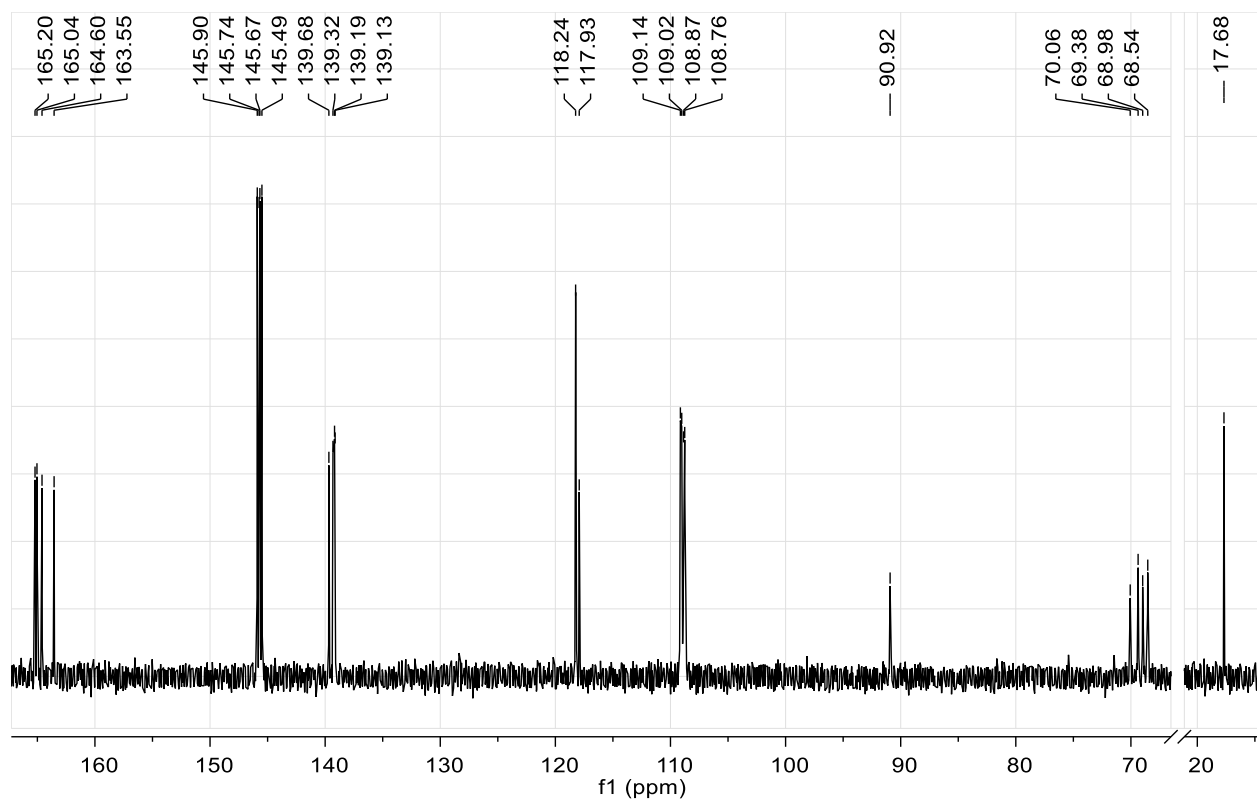
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- α -L-arabinopyranose (6a**)**

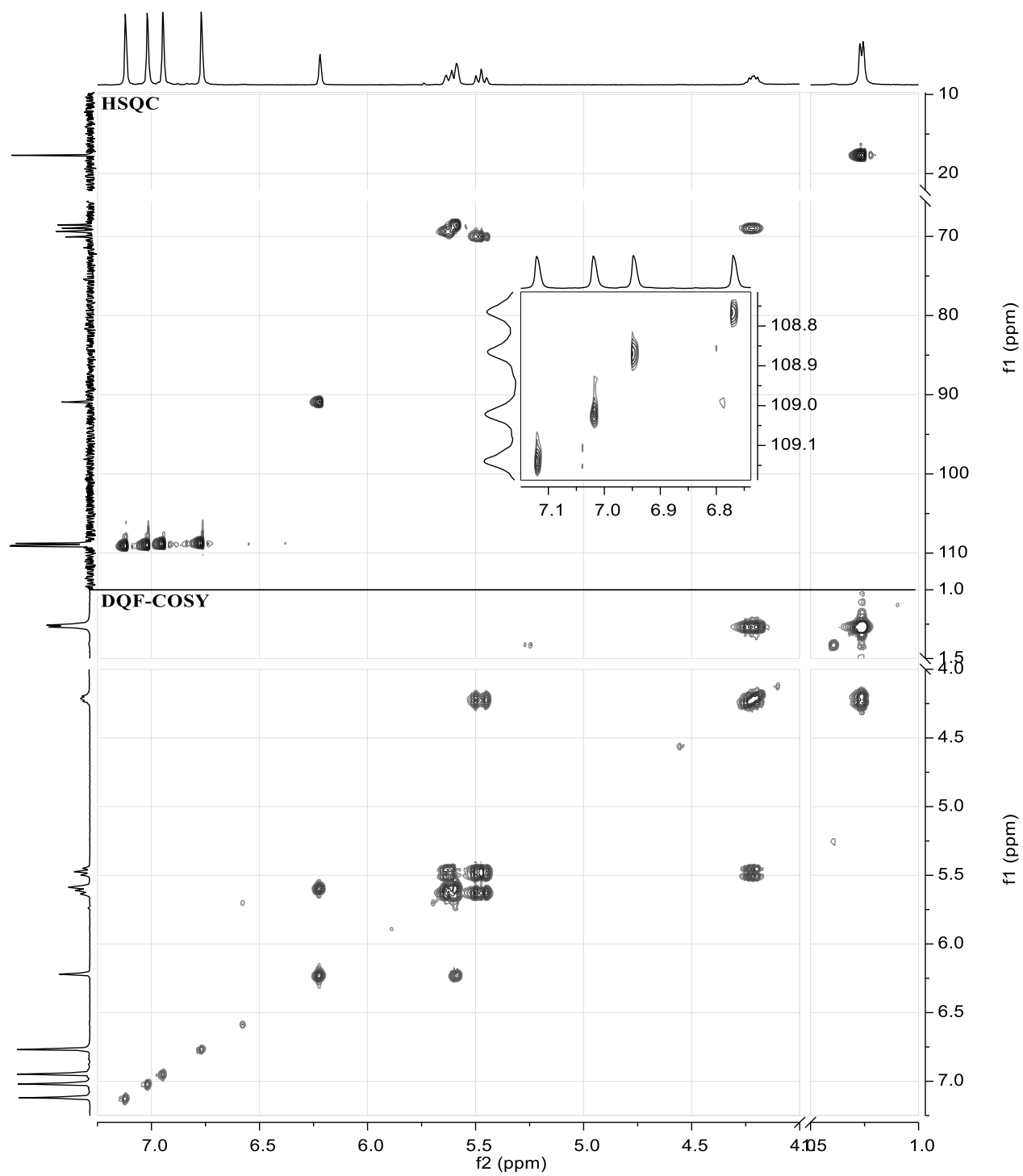
Selective 1D ROESY spectra of 1,2,3,4-tetragalloyl- α -L-arabinopyranose (6α)

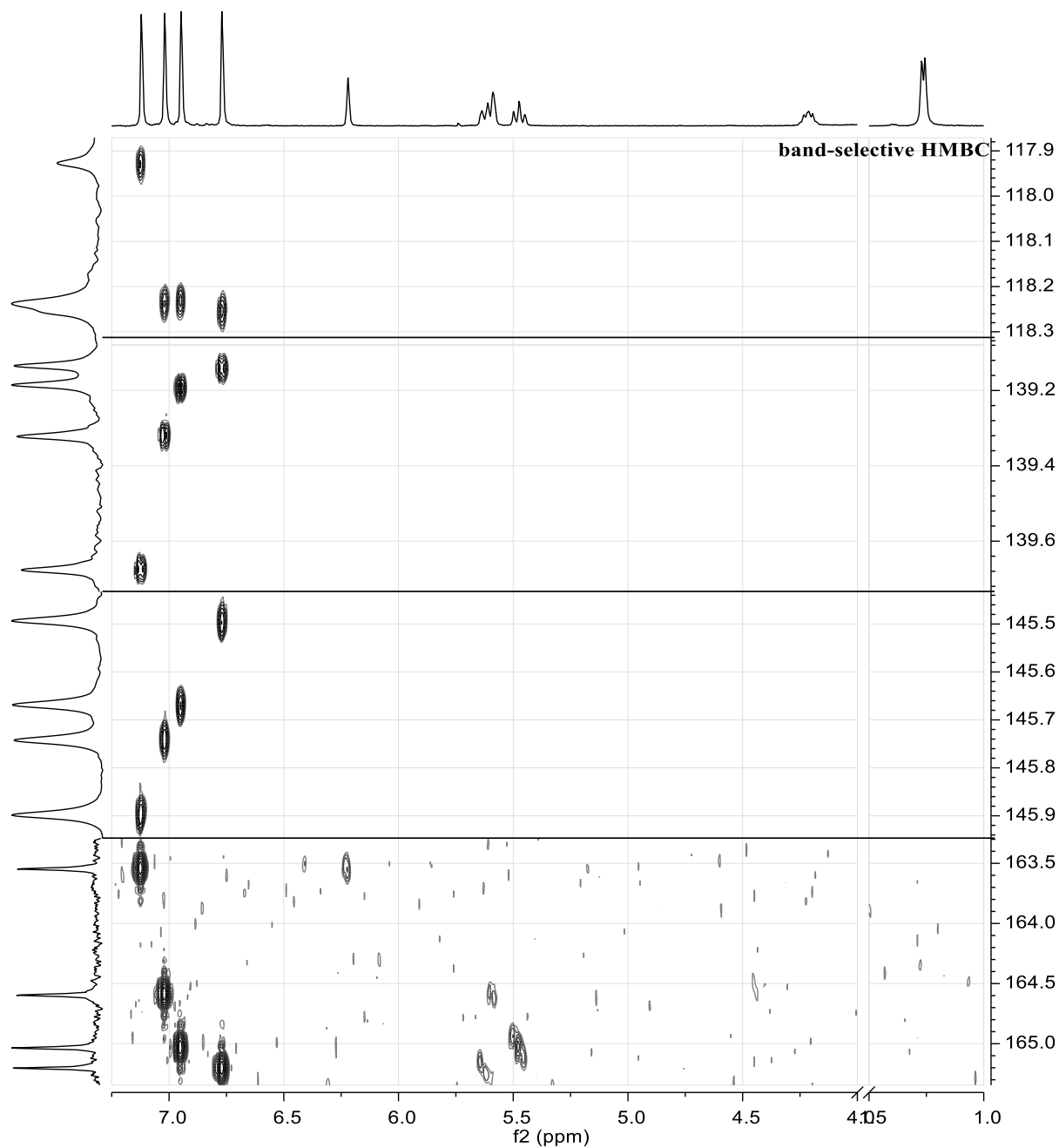
^1H NMR spectrum of 1,2,3,4-tetragalloyl- β -L-arabinopyranose (6β) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- β -L-arabinopyranose (6β)**

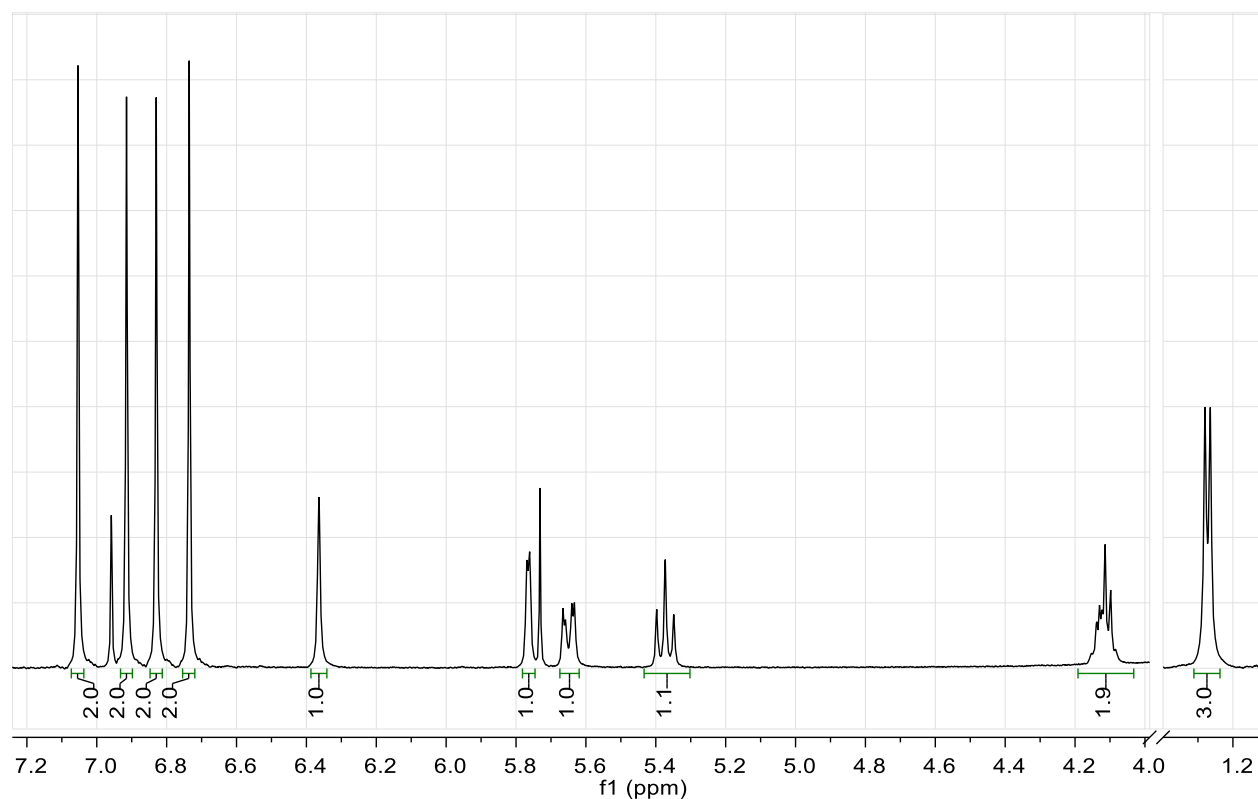
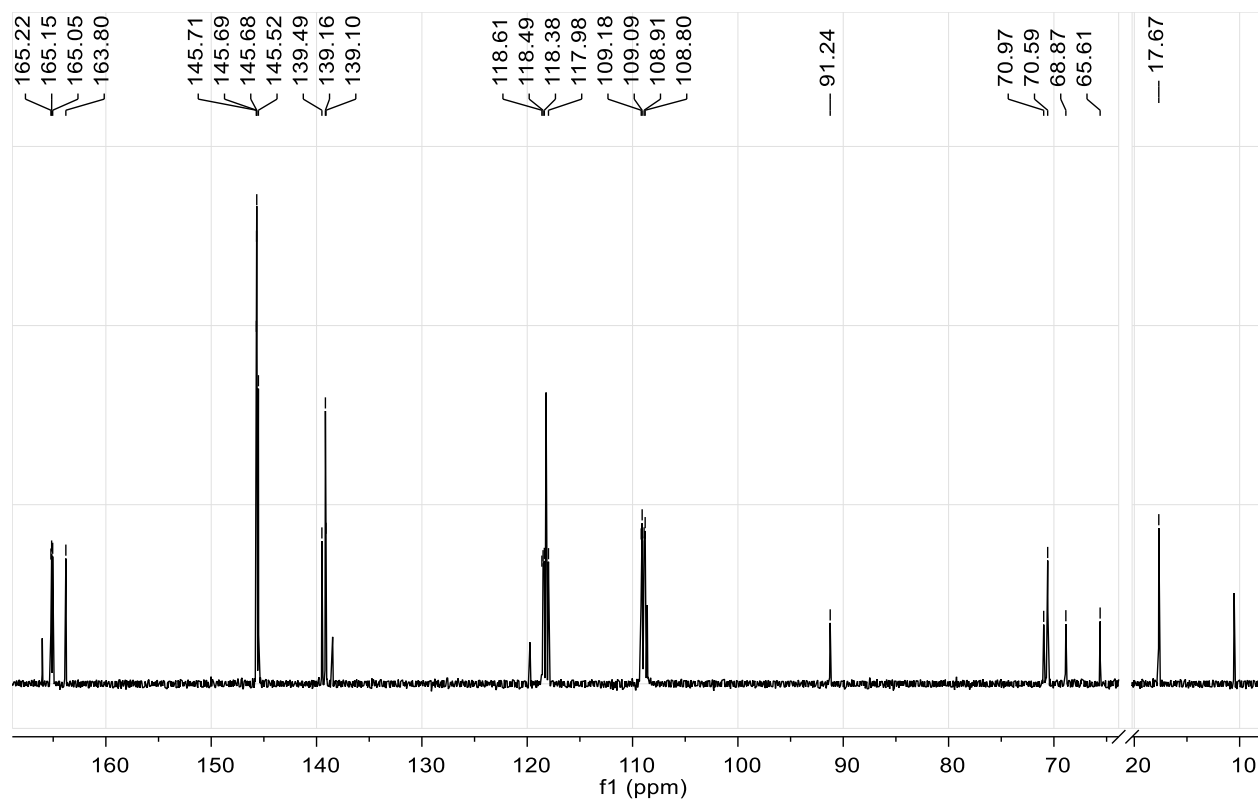
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- β -L-arabinopyranose (6 β)

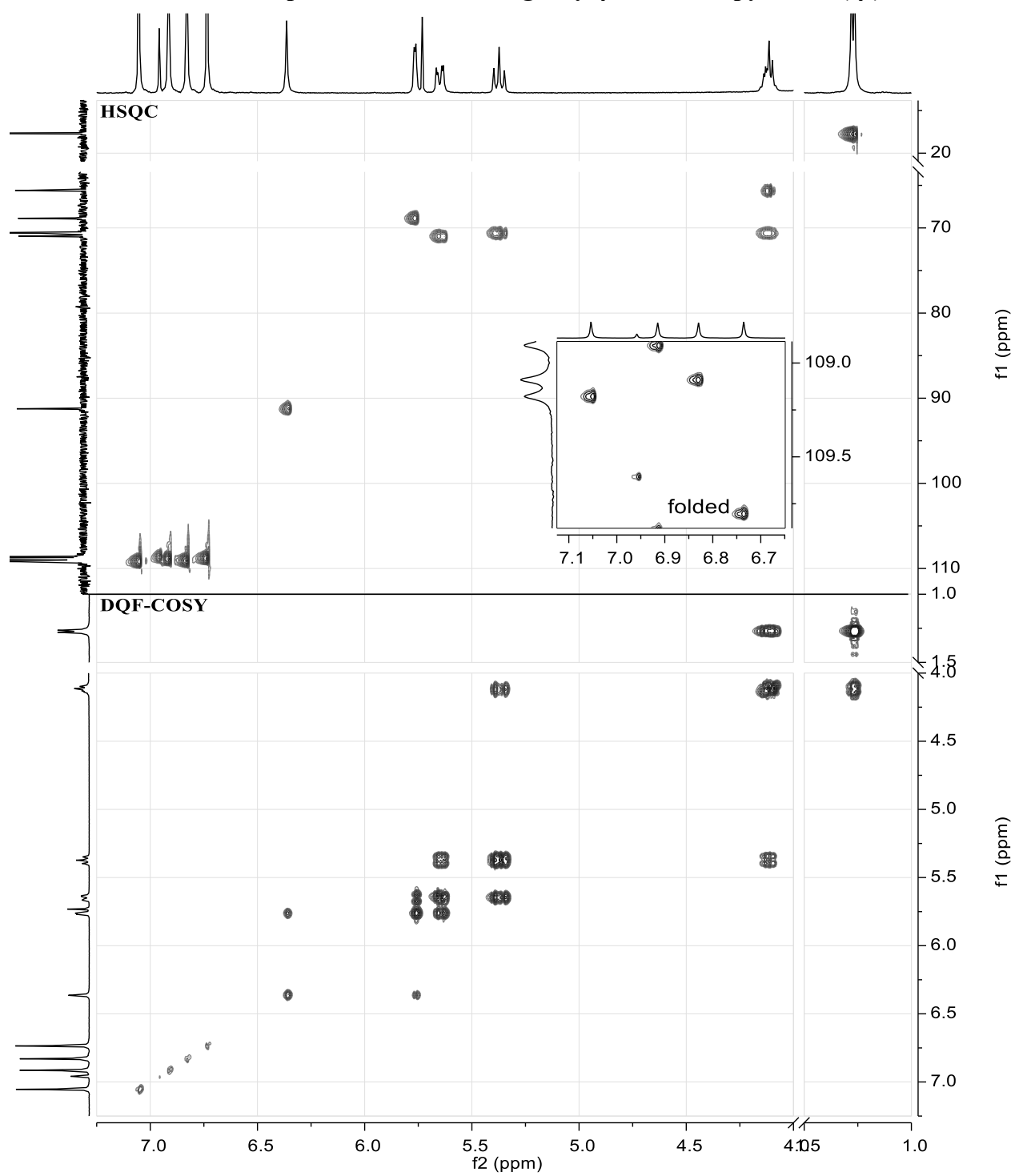
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- β -L-arabinopyranose (6 β)

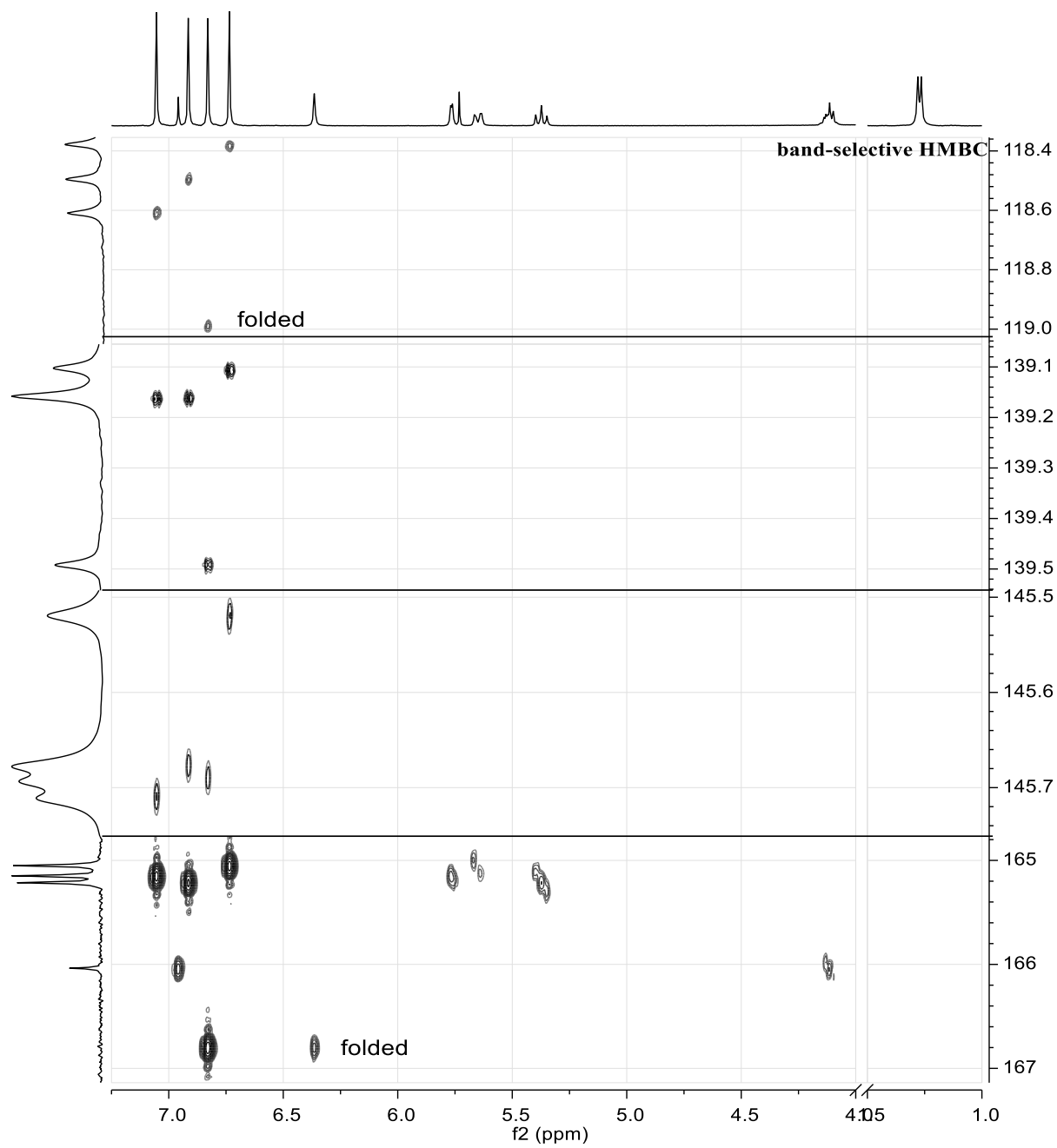
^1H NMR spectrum of 1,2,3,4-tetragalloyl- α -L-rhamnopyranose (7a**)** **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- α -L-rhamnopyranose (**7a**)**

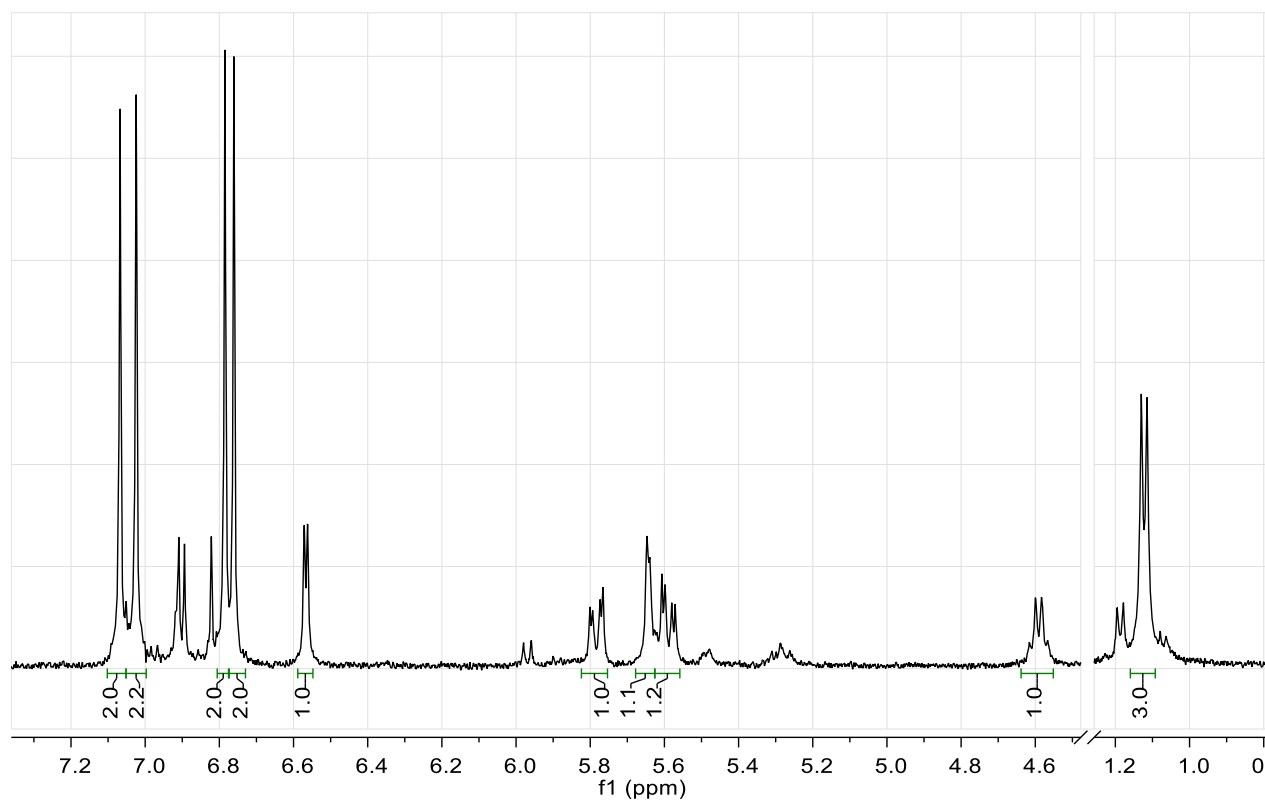
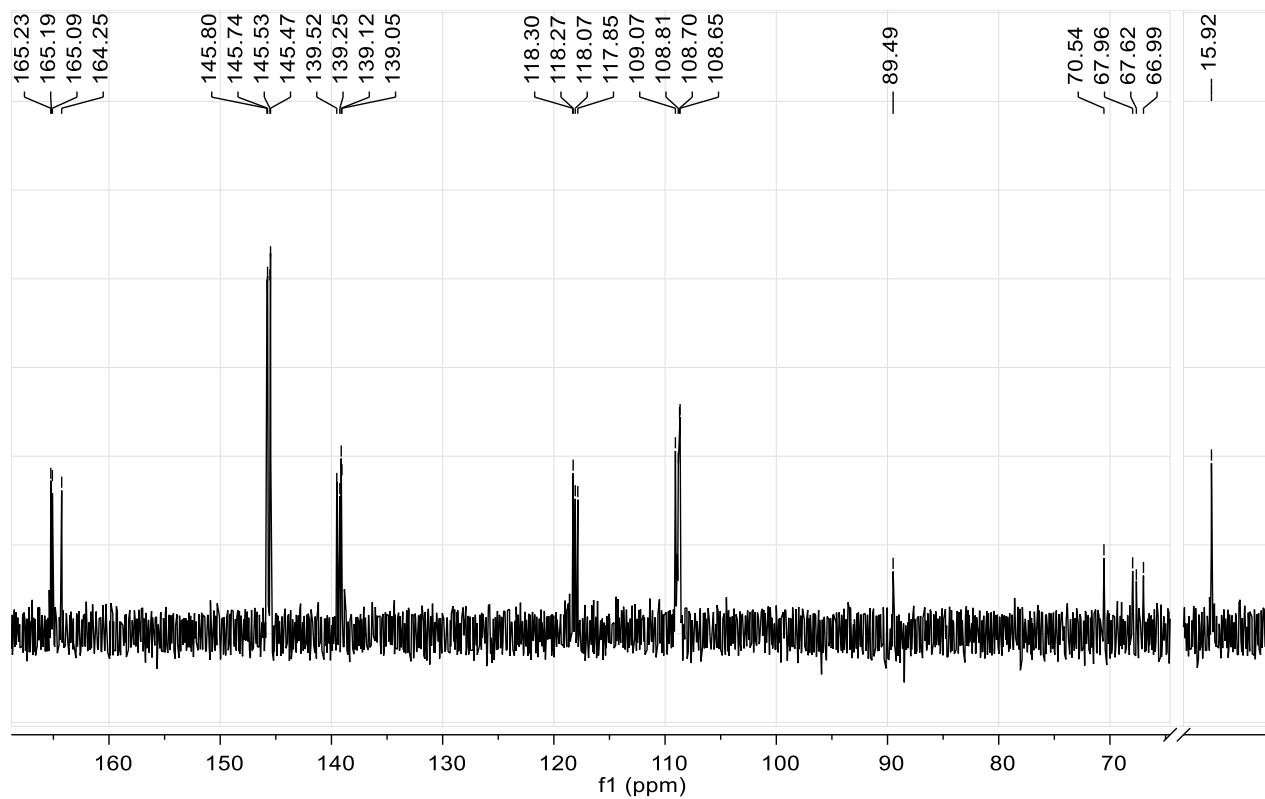
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- α -L-rhamnopyranose (**7a**)

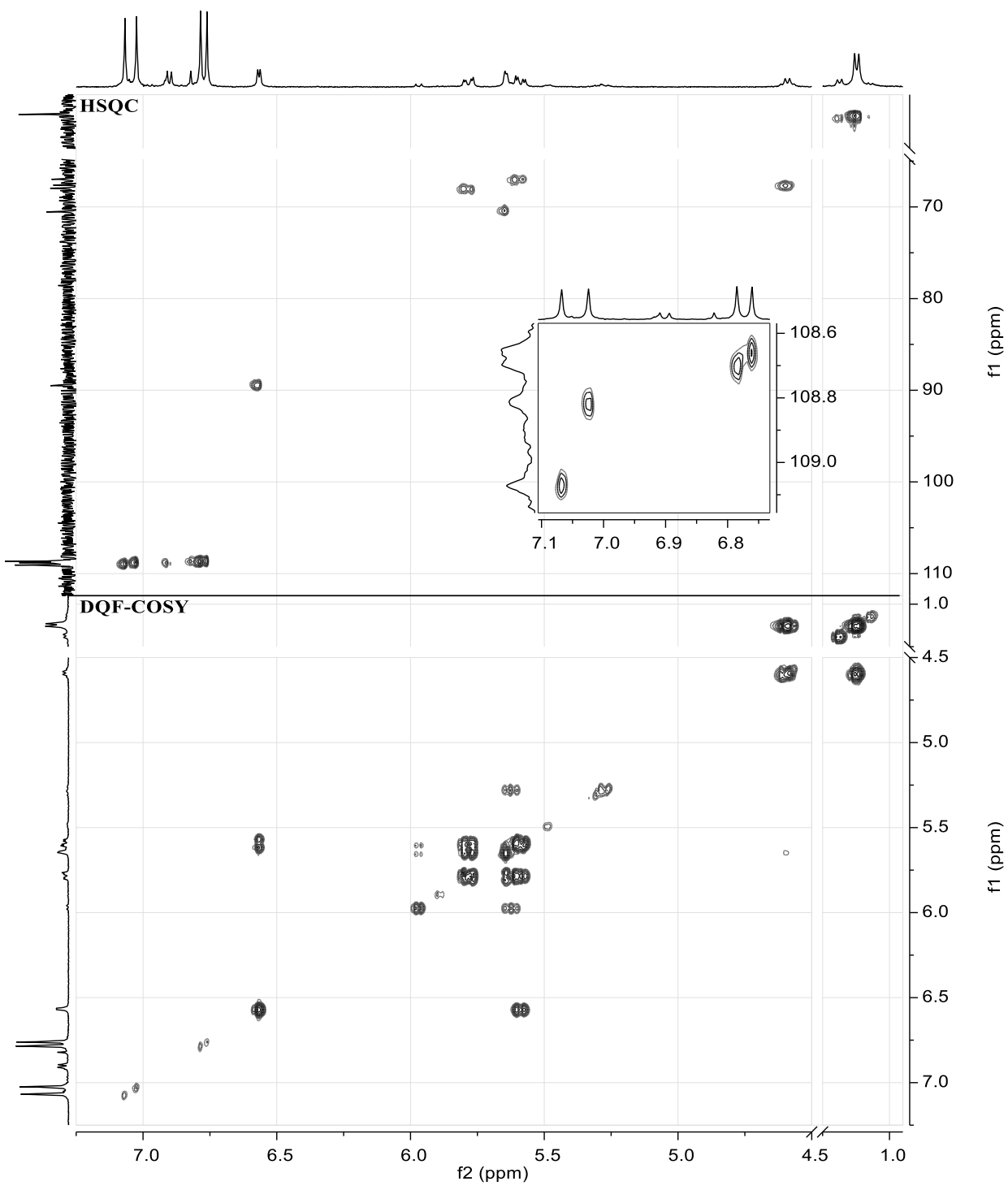
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- α -L-rhamnopyranose (7a)

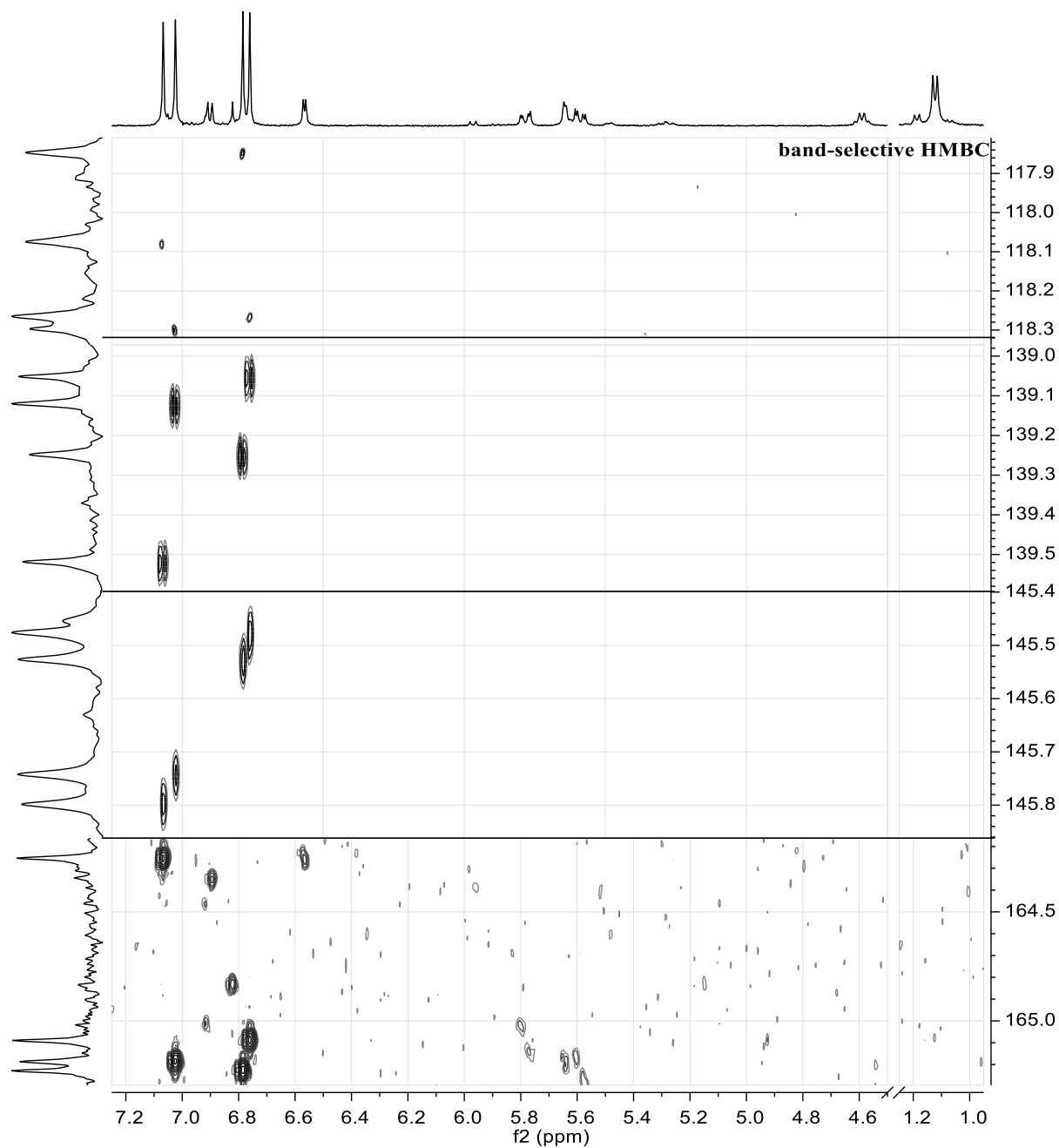
^1H NMR spectrum of 1,2,3,4-tetragalloyl- β -L-rhamnopyranose (7β) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- β -L-rhamnopyranose (7β)**

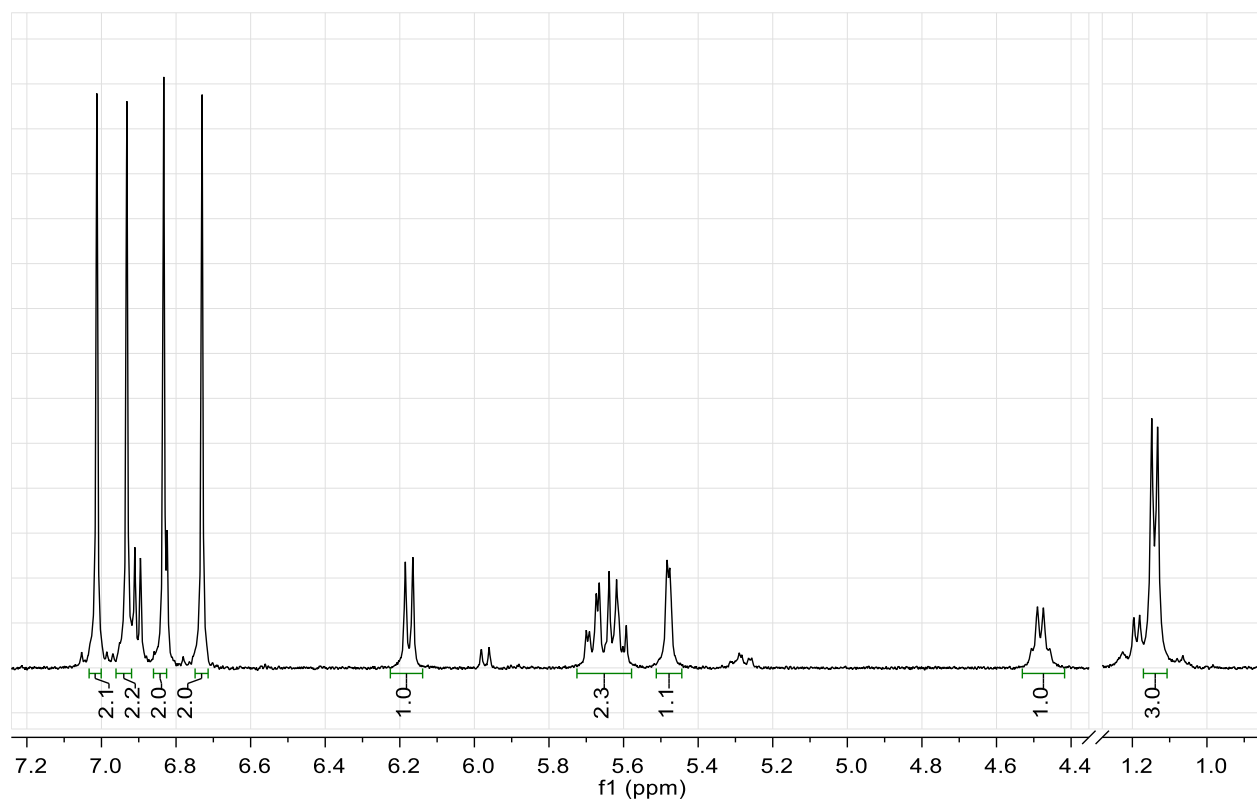
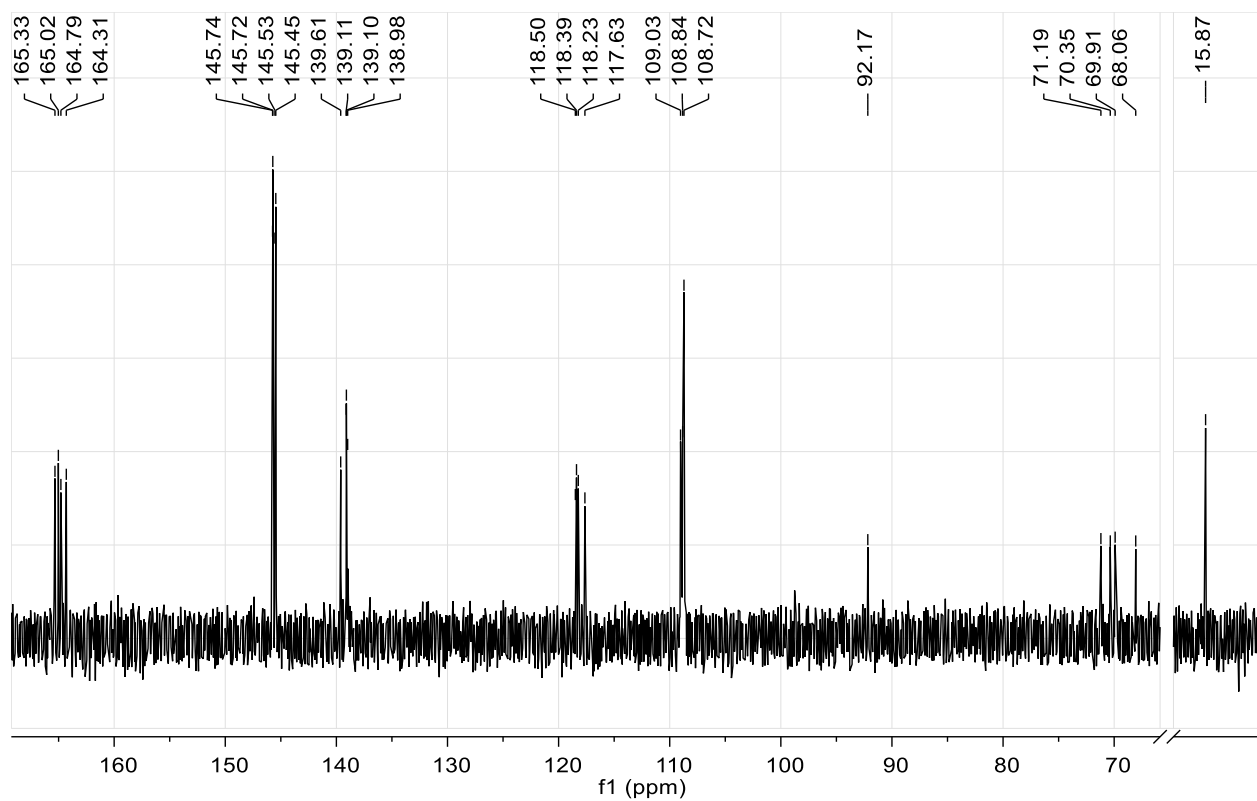
HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- β -L-rhamnopyranose (**7**)

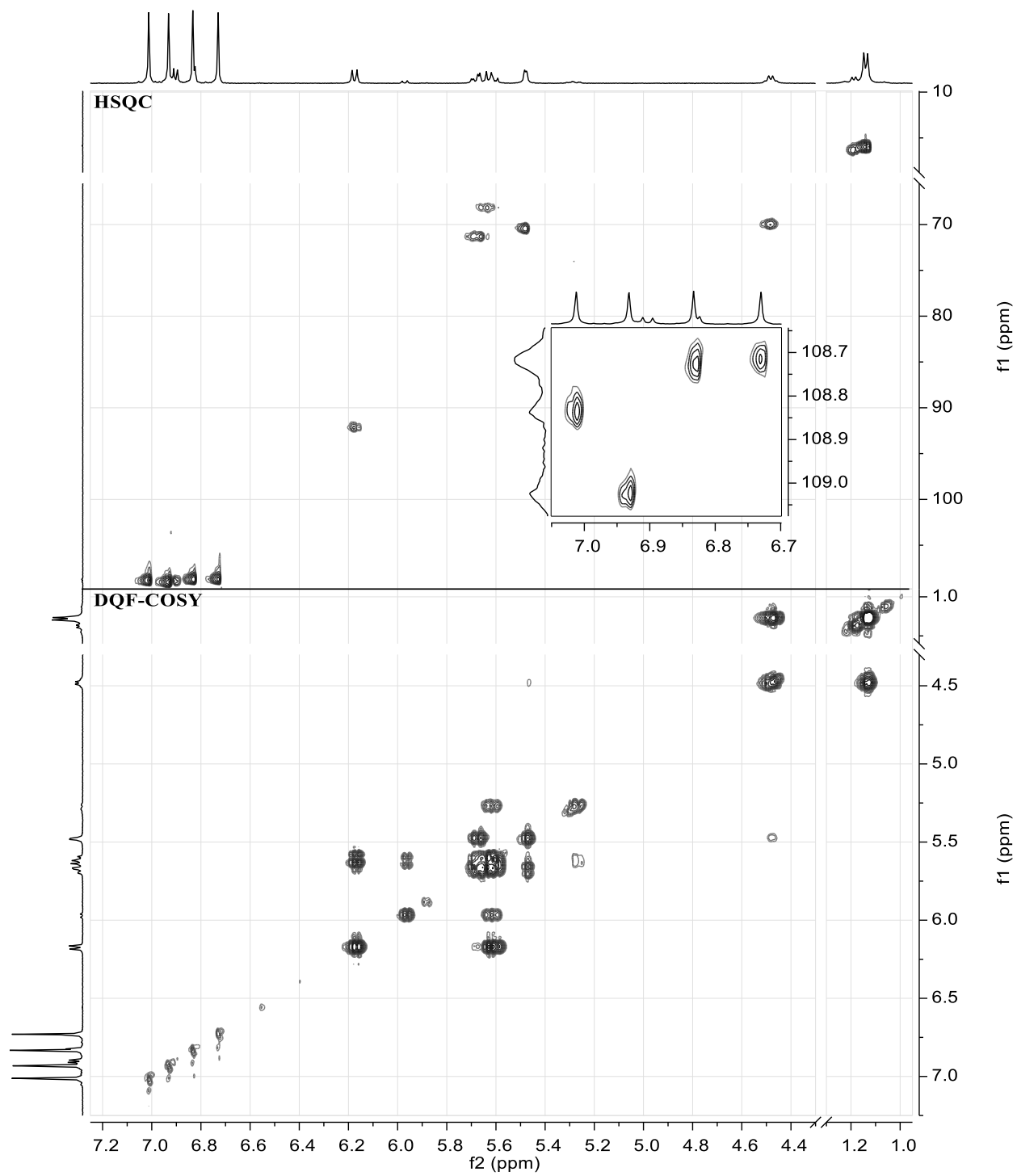
Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- β -L-rhamnopyranose (7 β)

^1H NMR spectrum of 1,2,3,4-tetragalloyl- α -D-fucopyranose (8α) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- α -D-fucopyranose (8α)**

HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- α -D-fucopyranose (**8a**)

Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- α -D-fucopyranose (8a)

^1H NMR spectrum of 1,2,3,4-tetragalloyl- β -D-fucopyranose (8β) **^{13}C NMR spectrum of 1,2,3,4-tetragalloyl- β -D-fucopyranose (8β)**

HSQC and DQF-COSY spectra of 1,2,3,4-tetragalloyl- β -D-fucopyranose (8β)

Band-selective HMBC spectra of 1,2,3,4-tetragalloyl- β -D-fucopyranose (8 β)