

Supplementary Material

Preparation, structure, and reactivity of *ortho*-hydroxy-substituted arylodonium salts, precursors to *ortho*-iodo-substituted diaryl ethers

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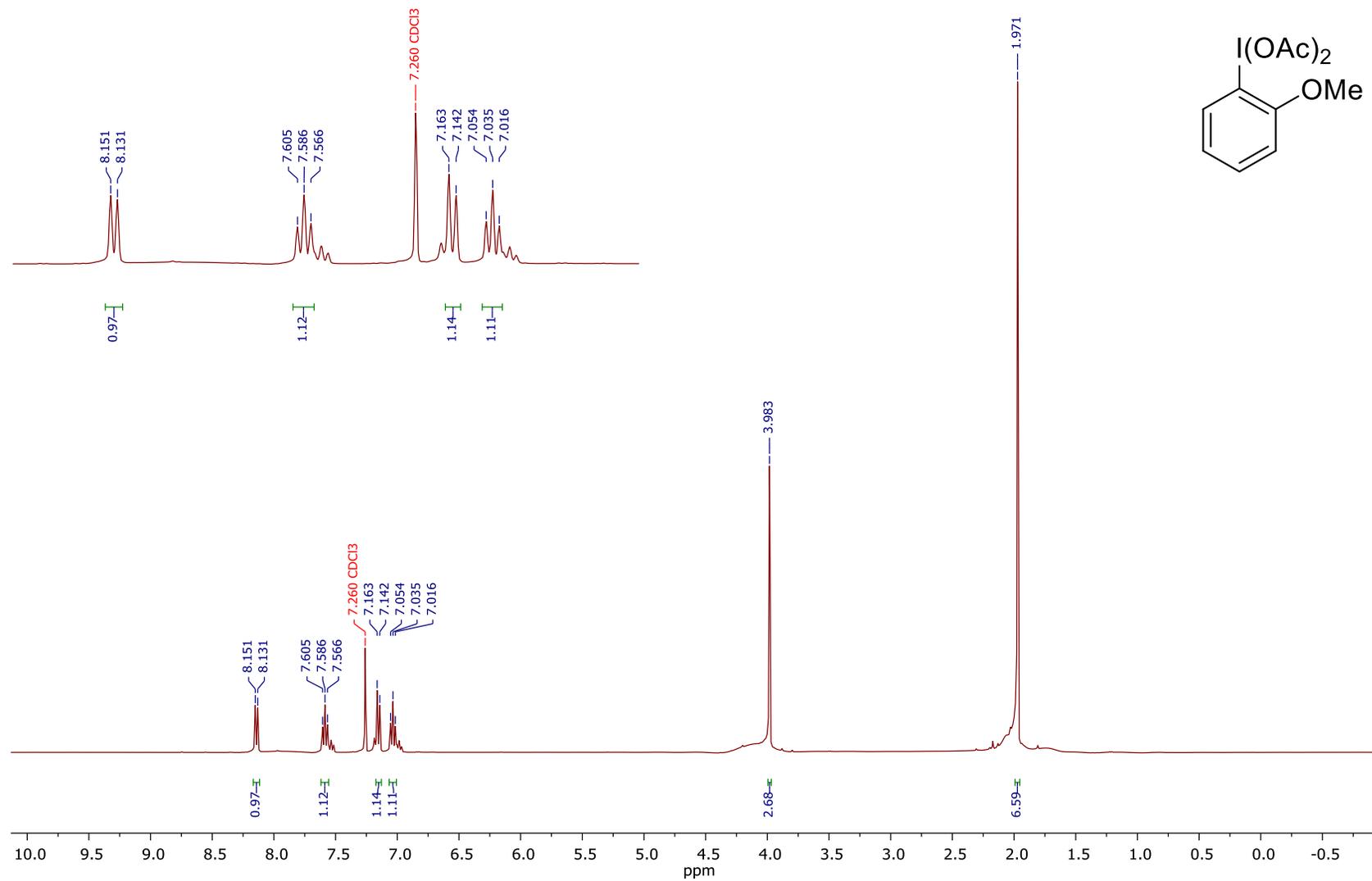
^c Marshall School, Duluth, Minnesota 55811, USA

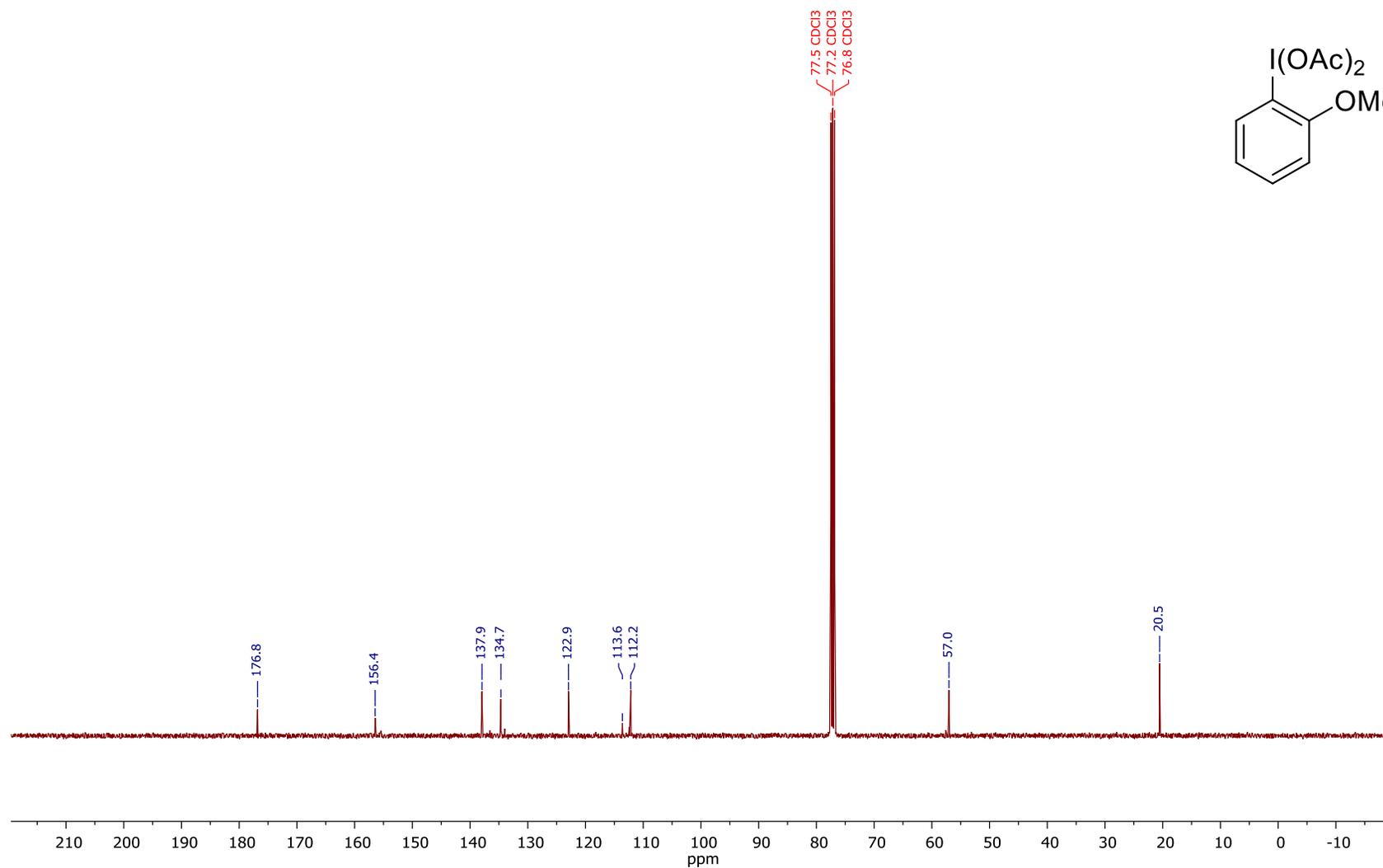
^d Division of Applied Chemistry, Institute of Engineering, Tokyo University of Agriculture and Technology, 2-24-16 Naka-cho, Koganei, Tokyo 184-8588, Japan

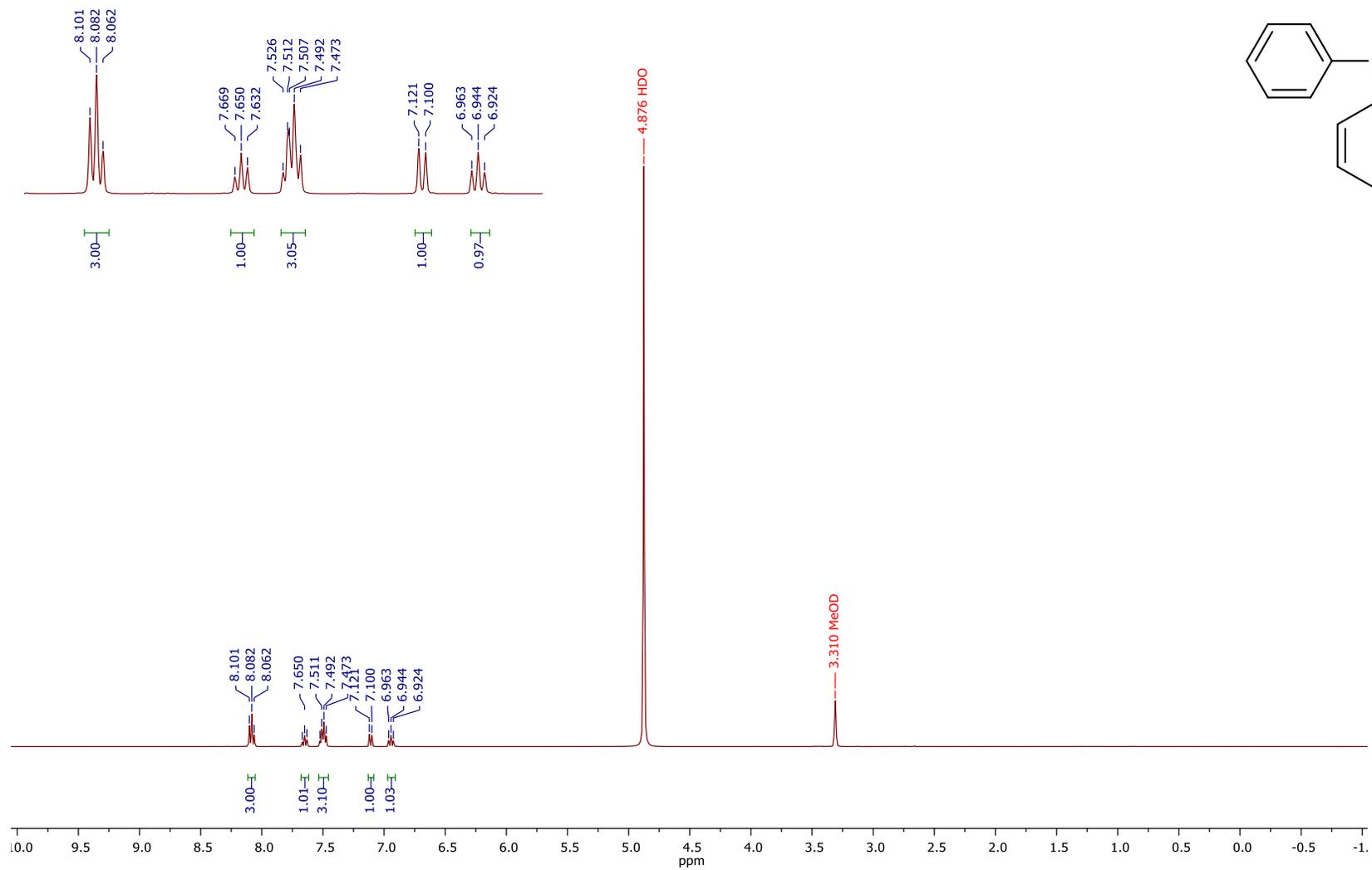
^e Department of Chemistry and Biochemistry, University of Minnesota Duluth, Duluth, Minnesota 55812, USA
E-mail: vzhdanki@d.umn.edu

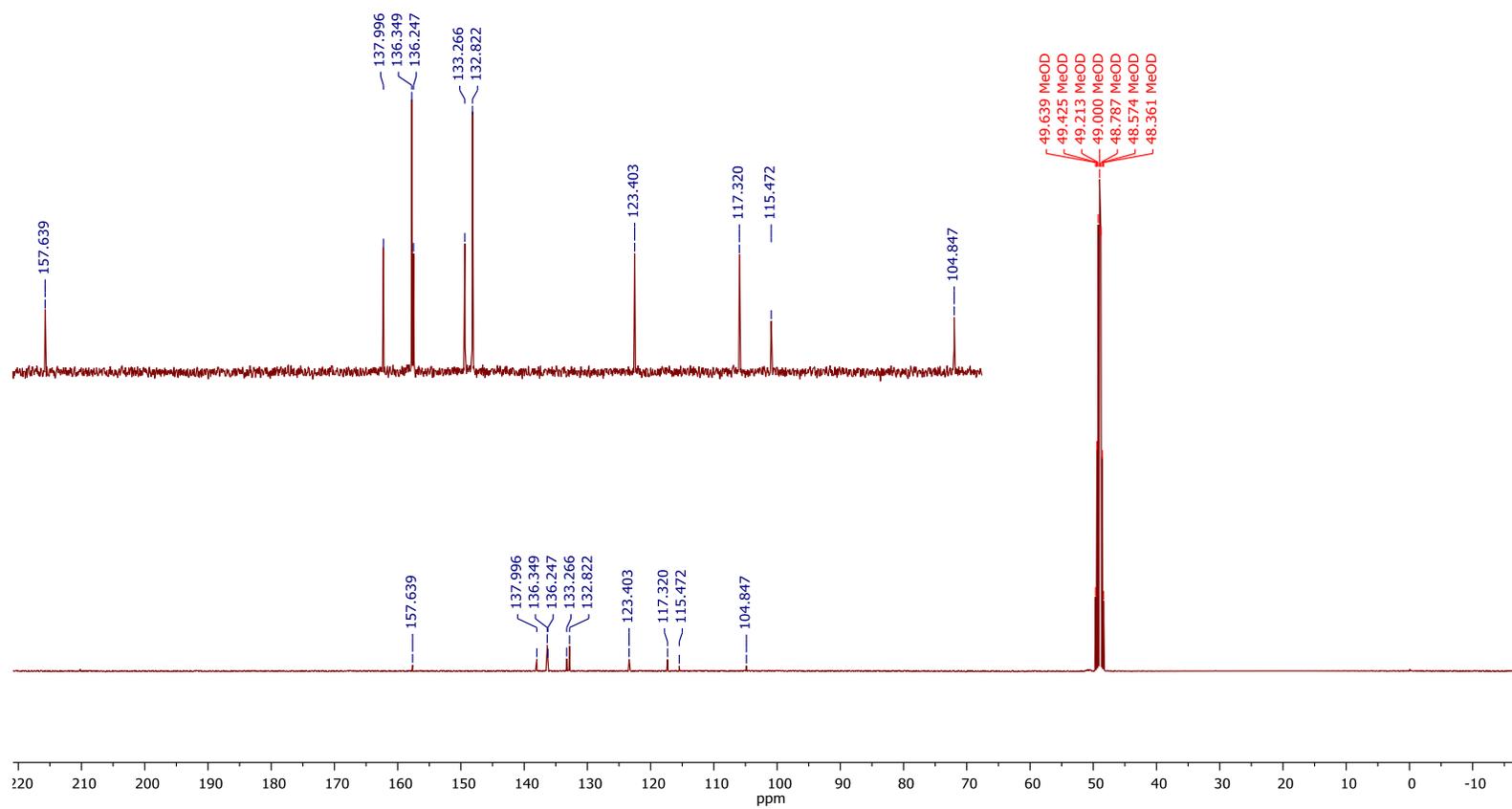
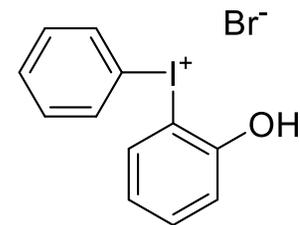
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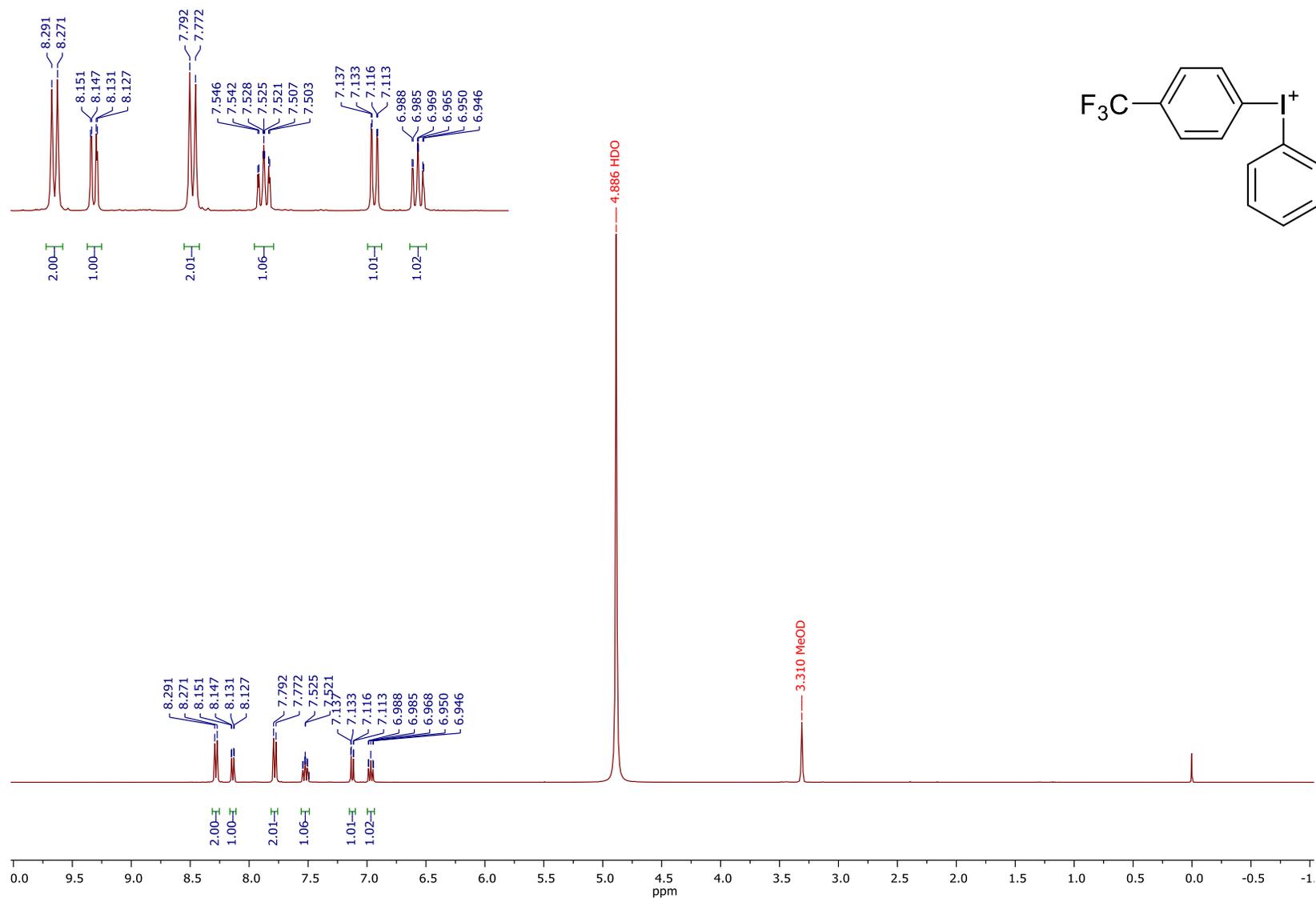
2a, ^1H NMR (400 MHz, CDCl_3)

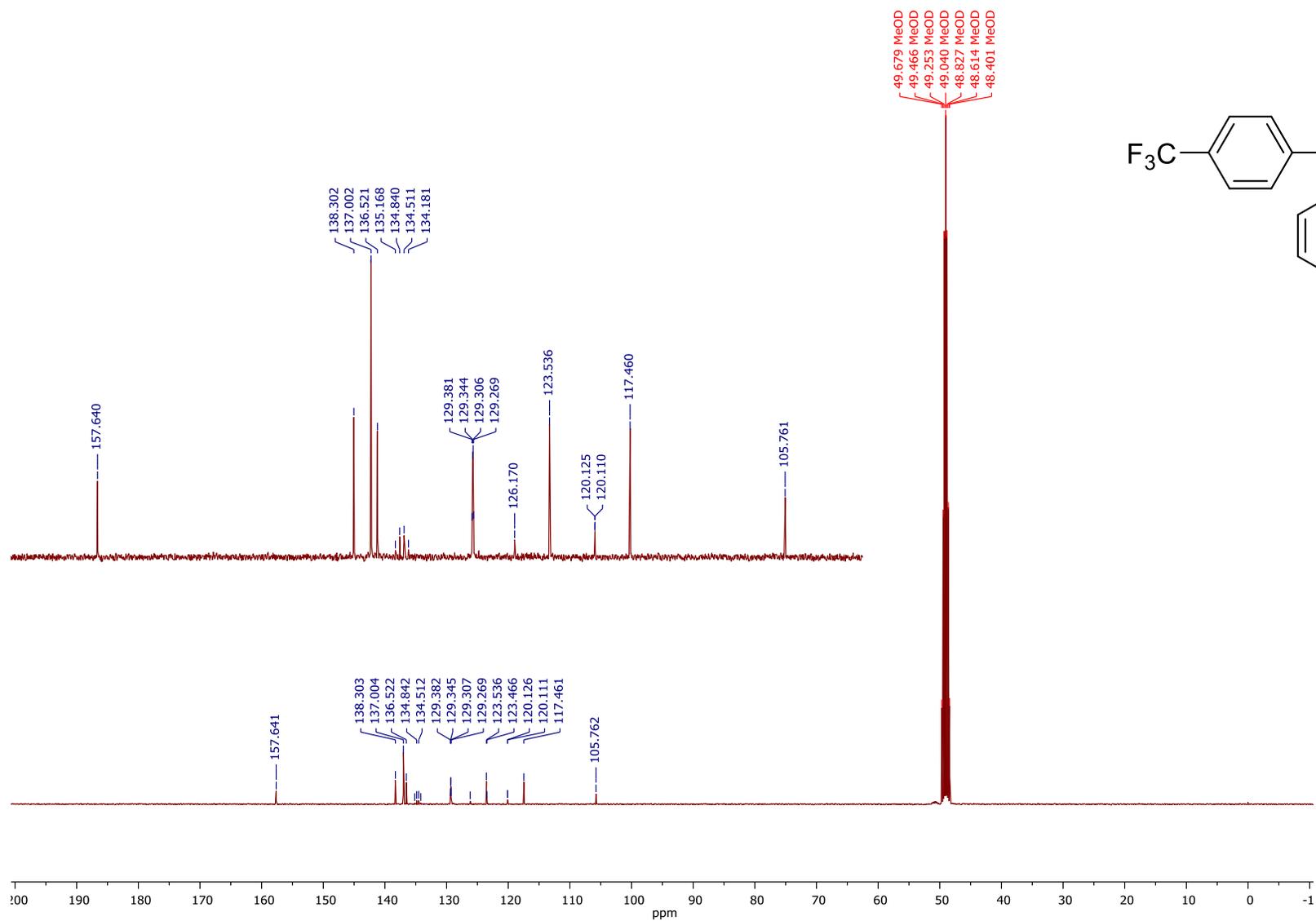
2a, ^{13}C NMR (101 MHz, CDCl_3)

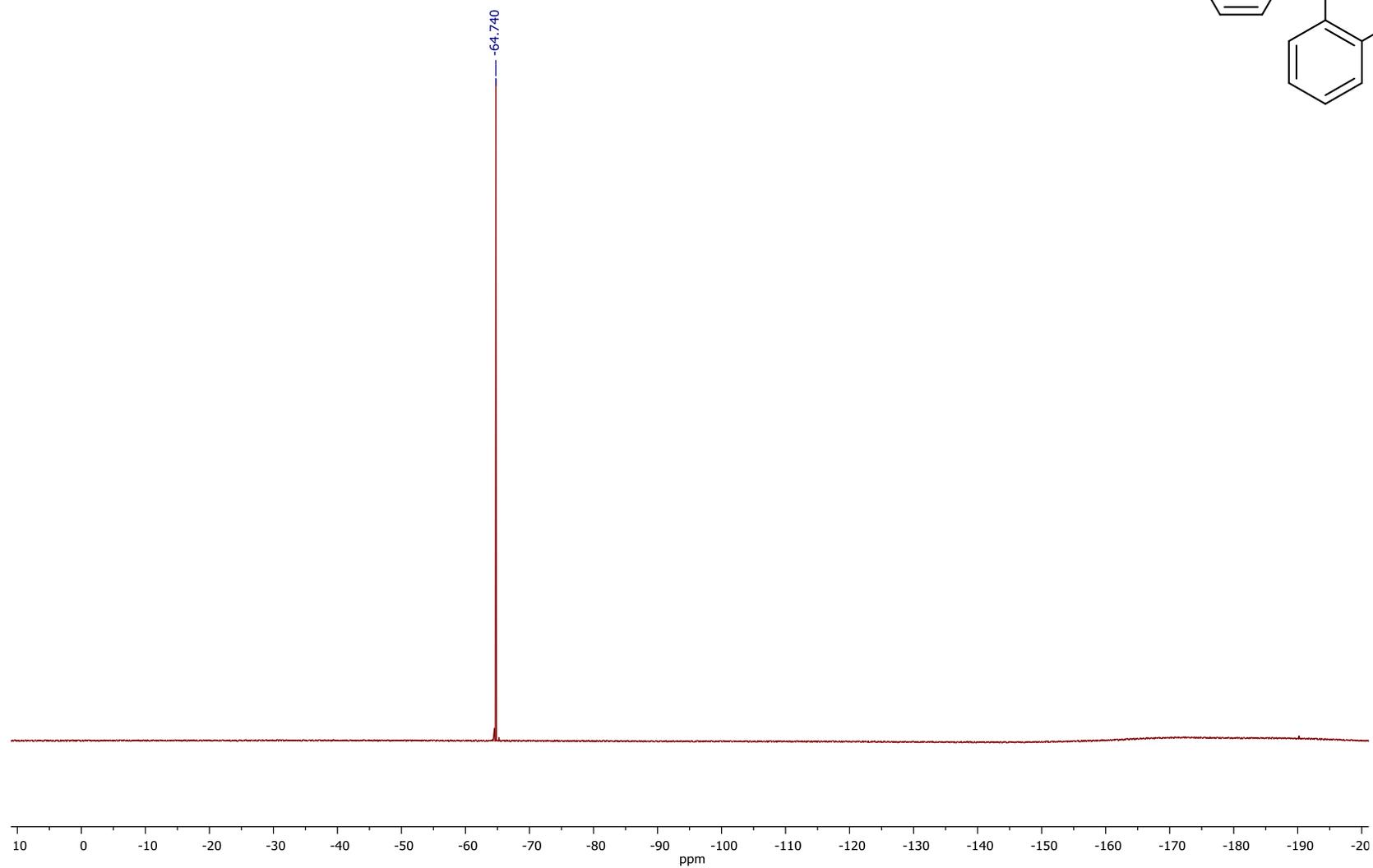
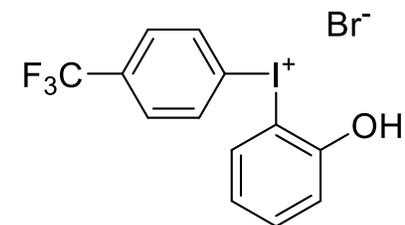
4a, ^1H NMR (400 MHz, CD_3OD)

4a, ^{13}C NMR (101 MHz, CD_3OD)

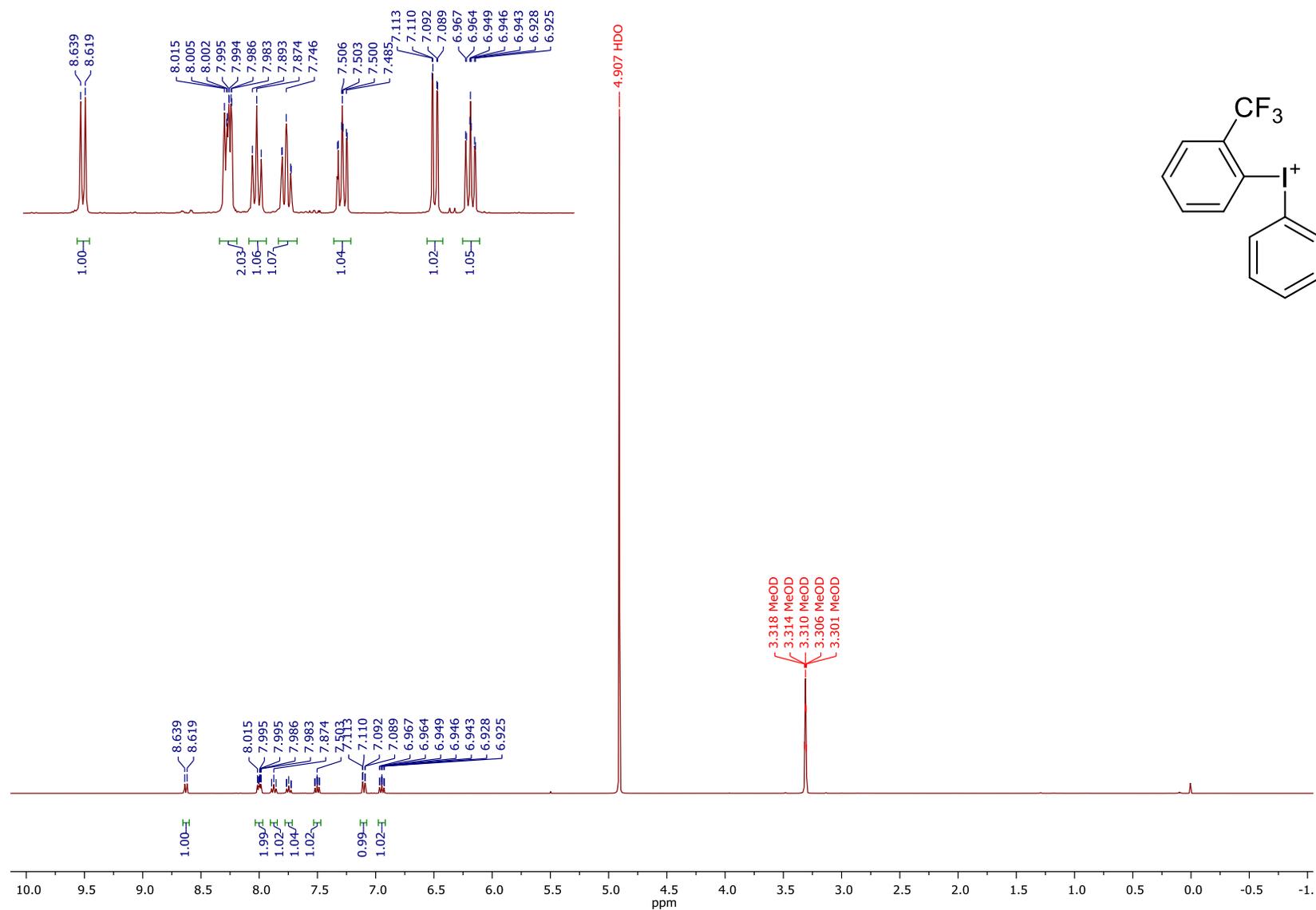
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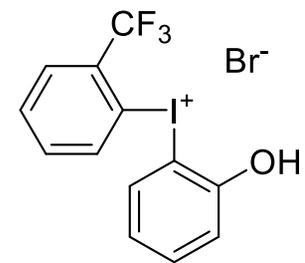
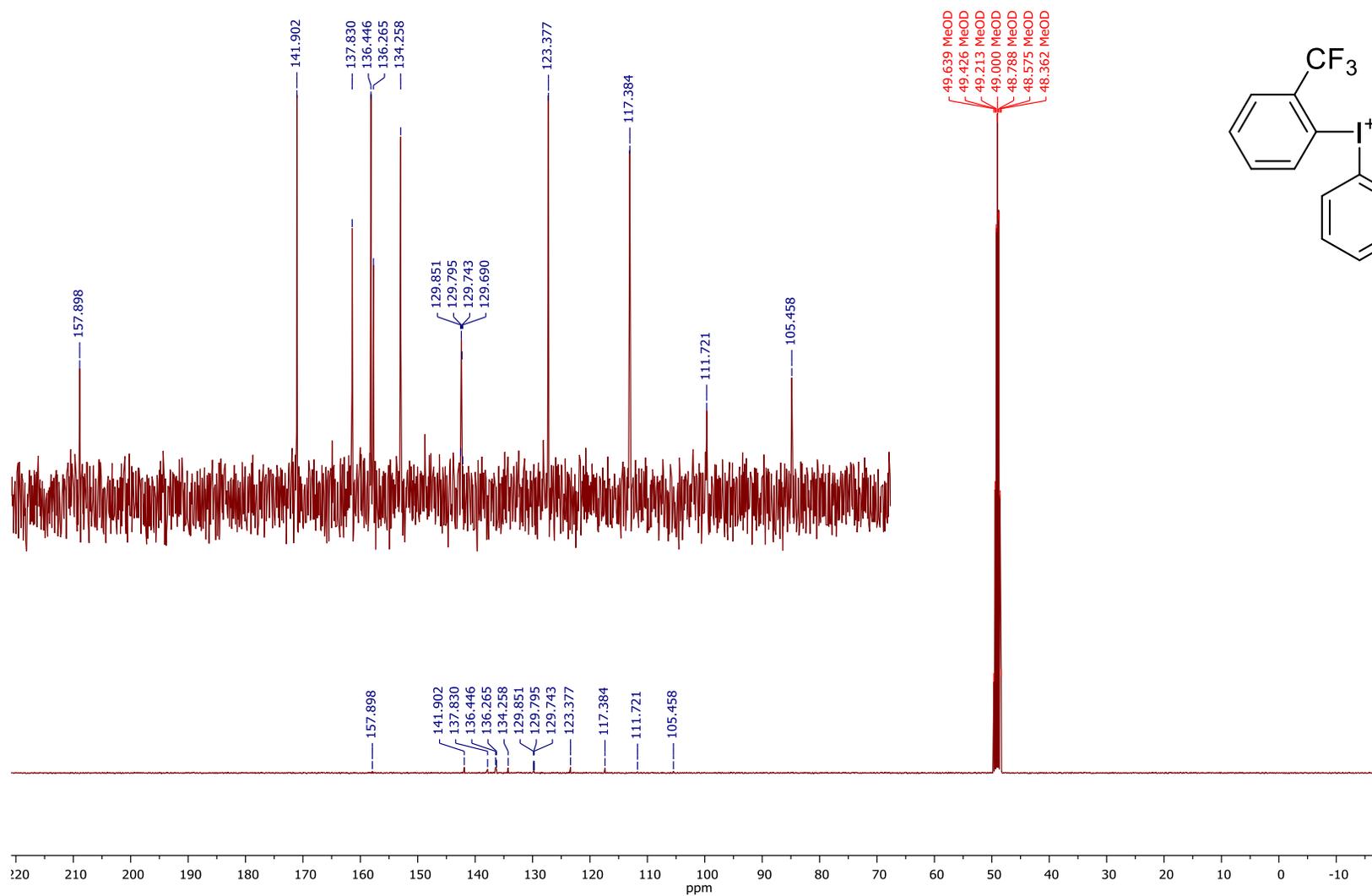


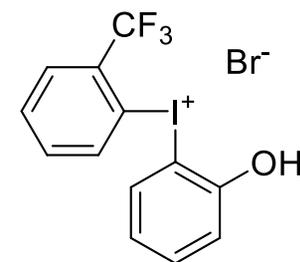
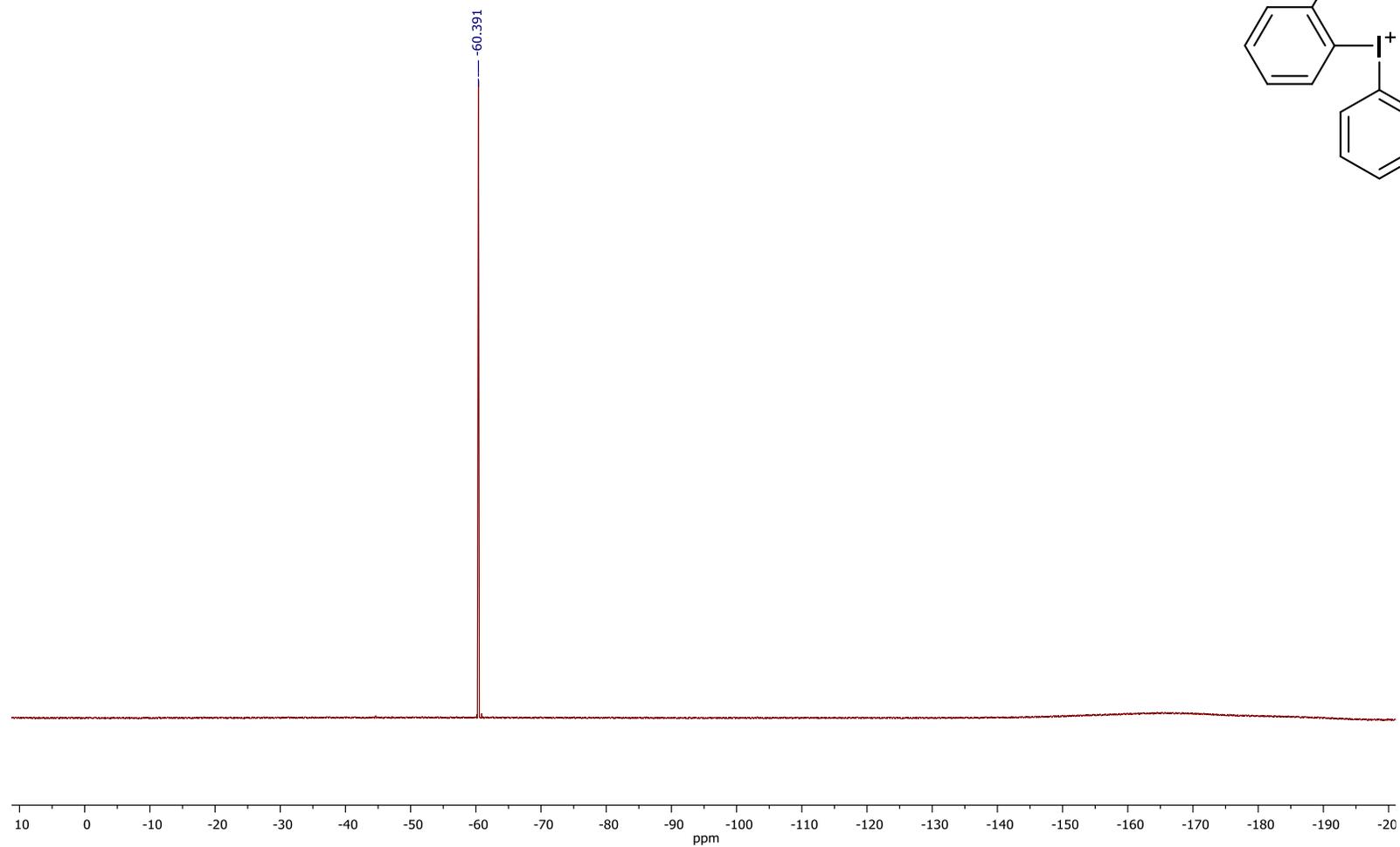
4b, ^{13}C NMR (101 MHz, CD_3OD)

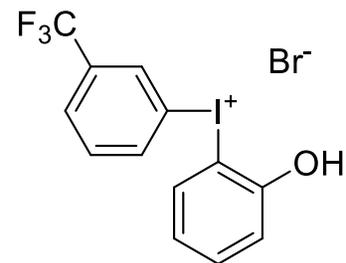
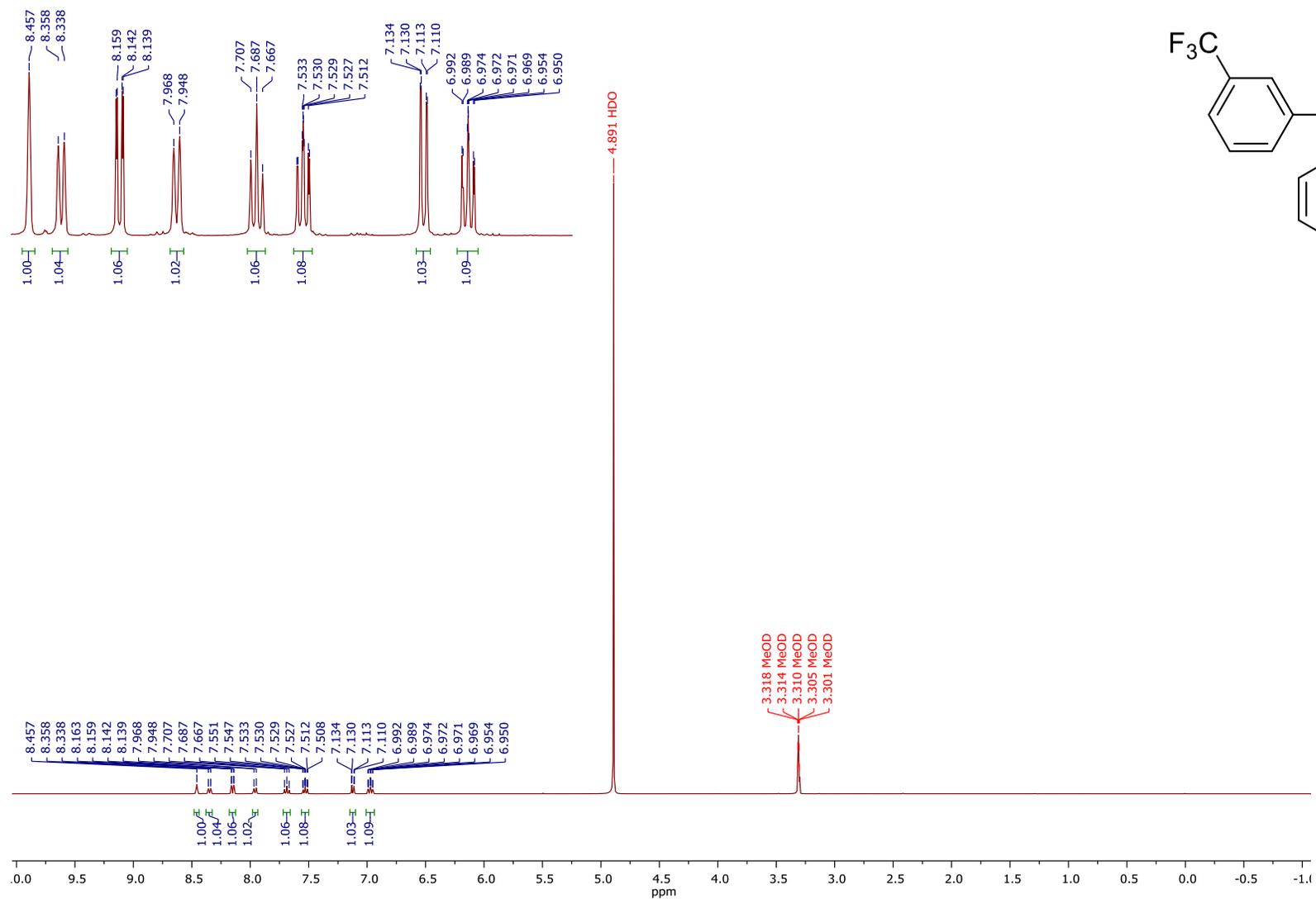
4b, ^{19}F NMR (376 MHz, CD_3OD)

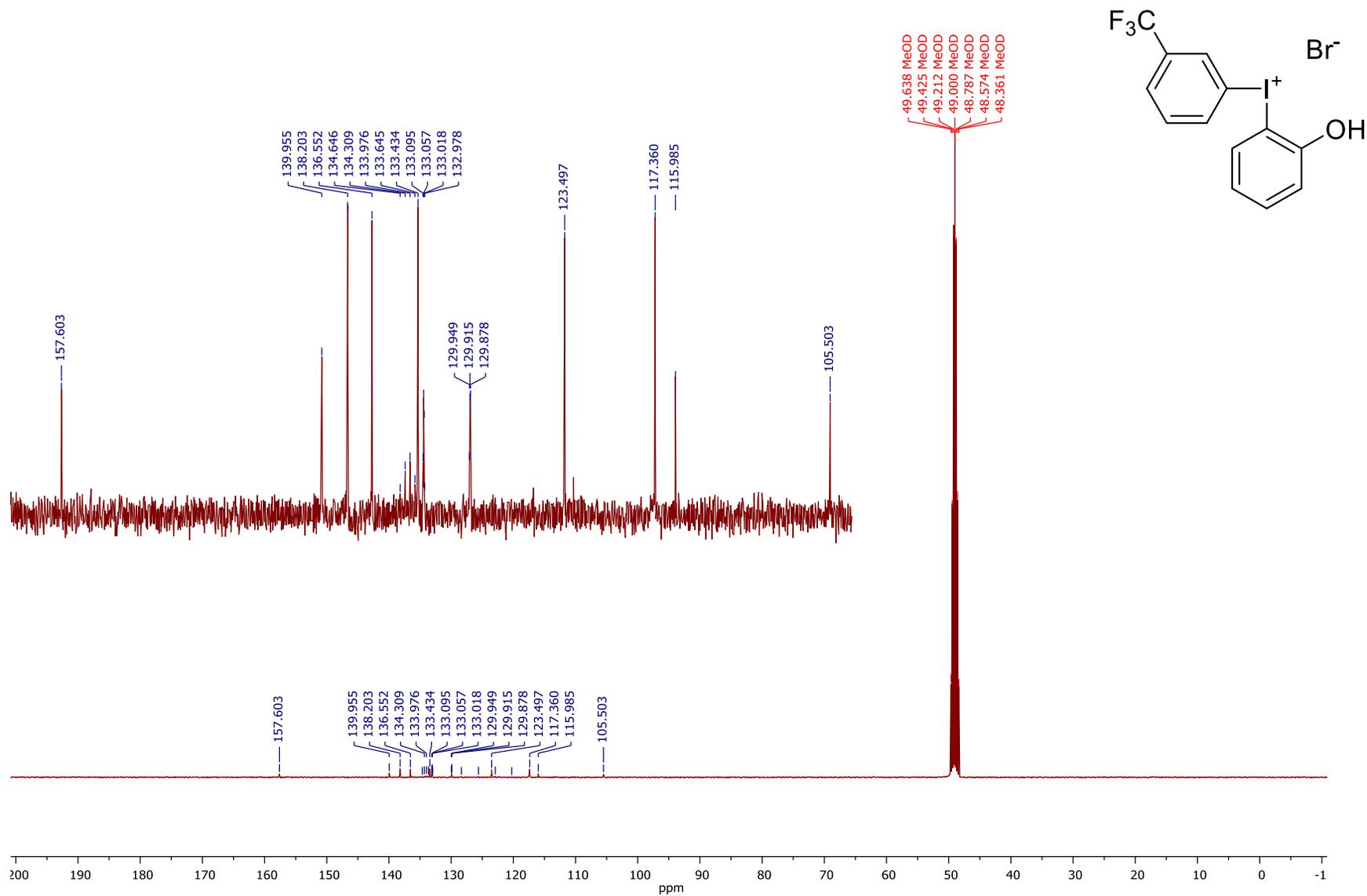
4c, ¹H NMR (400 MHz, CD₃OD)

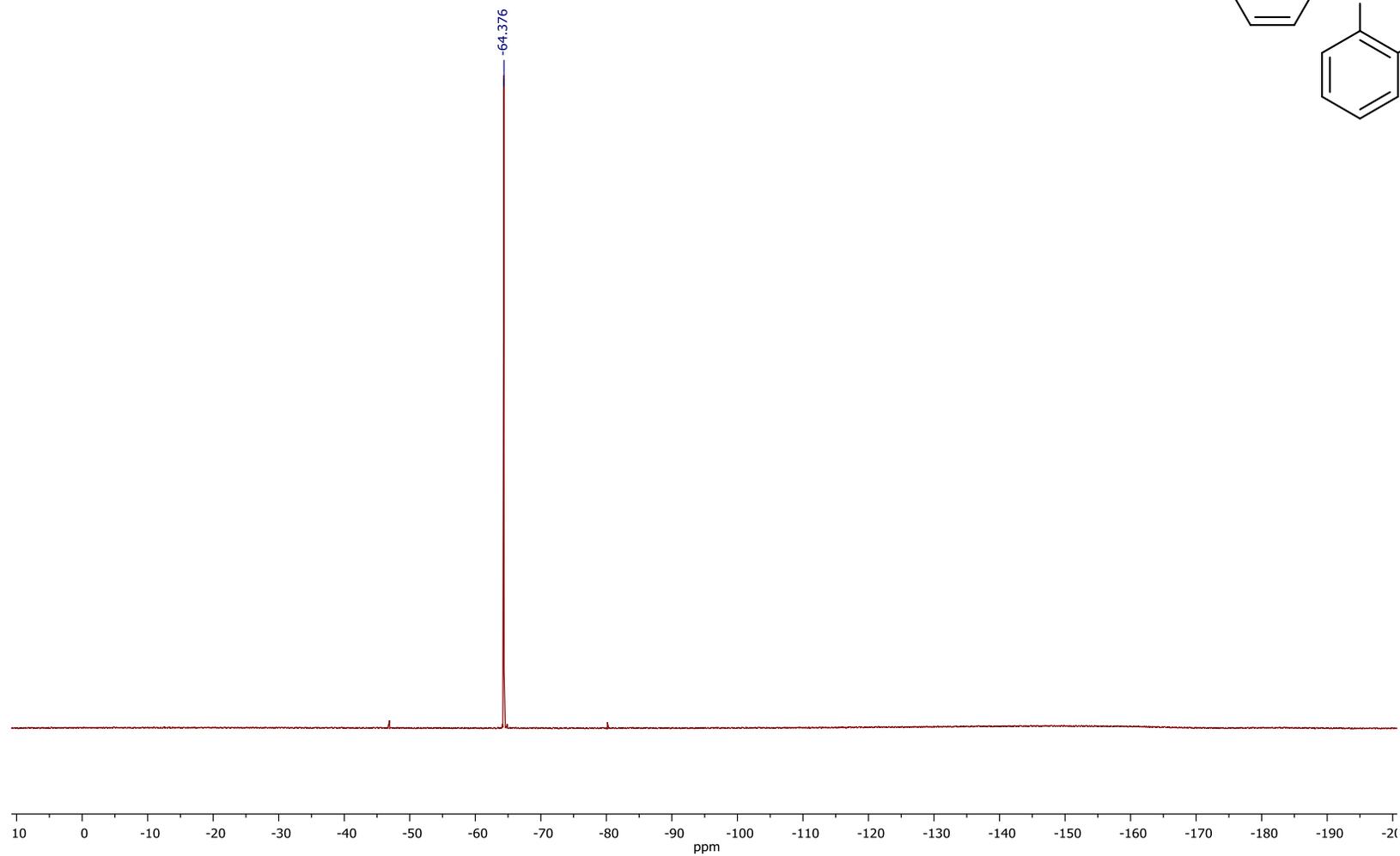
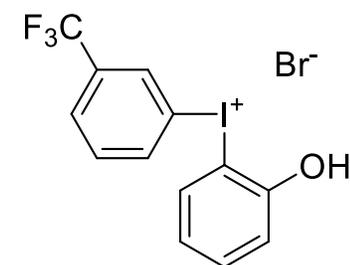


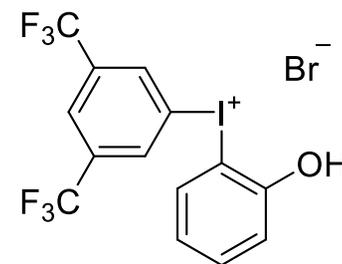
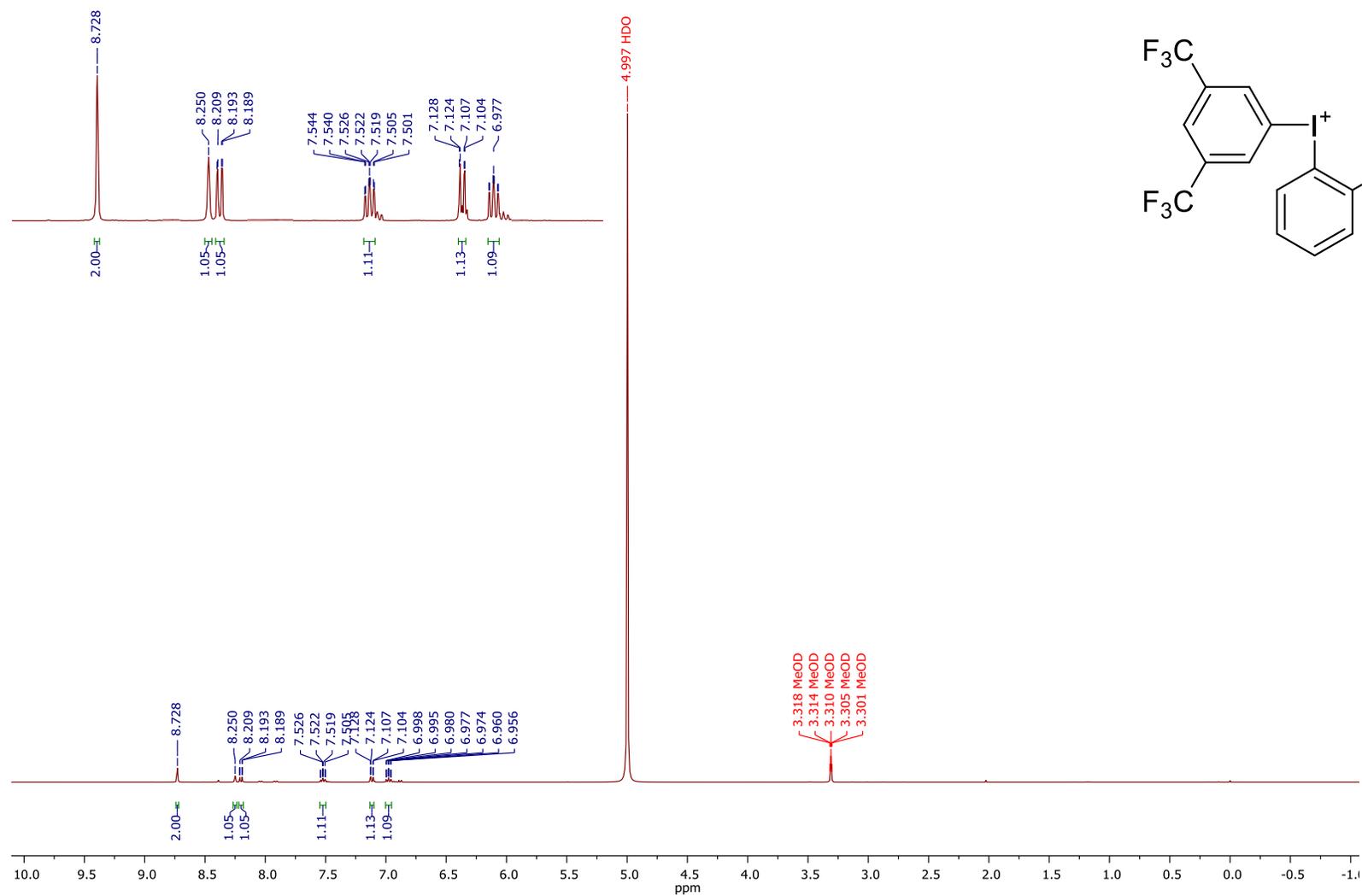
4c, ^{13}C NMR (101 MHz, CD_3OD)

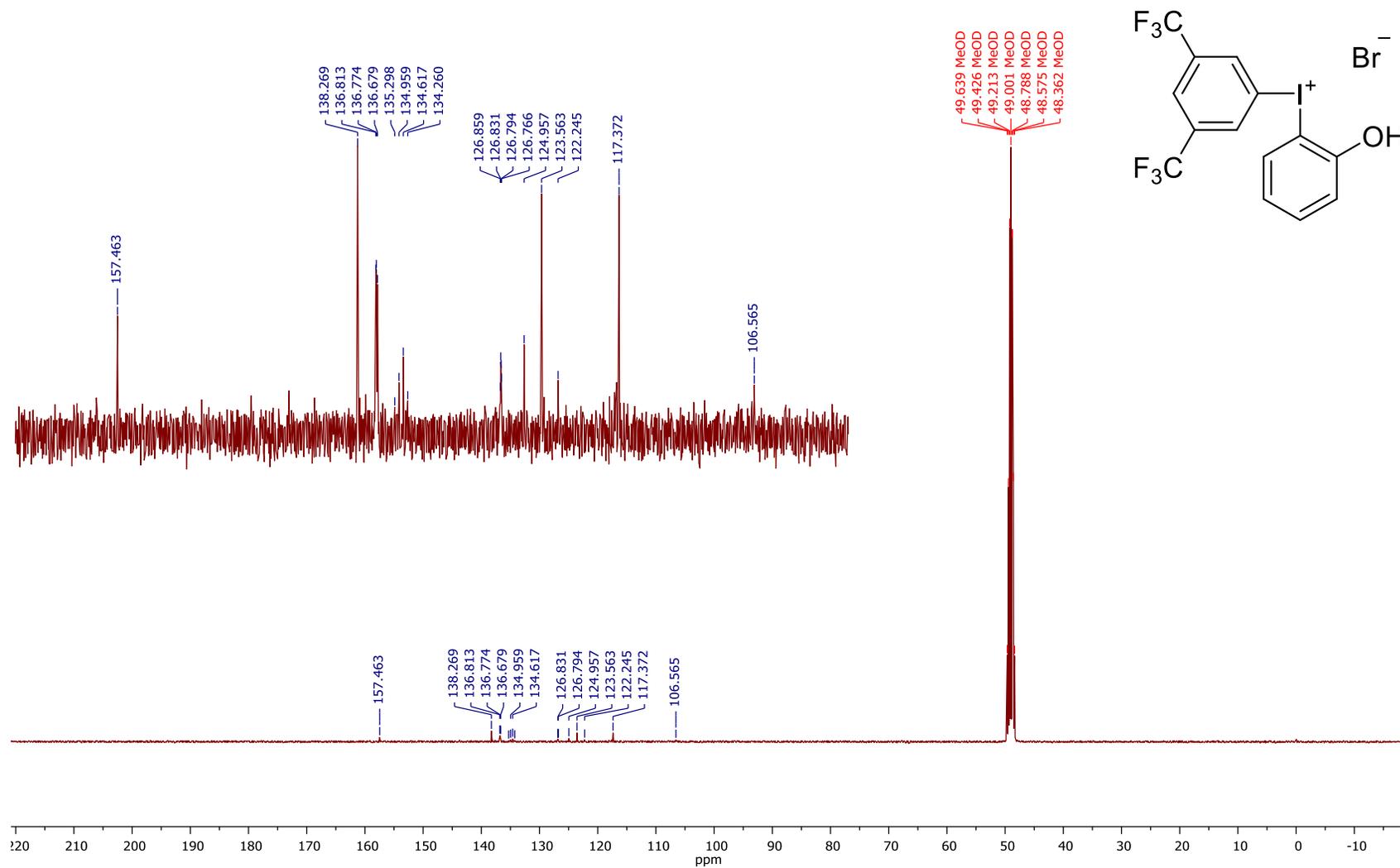
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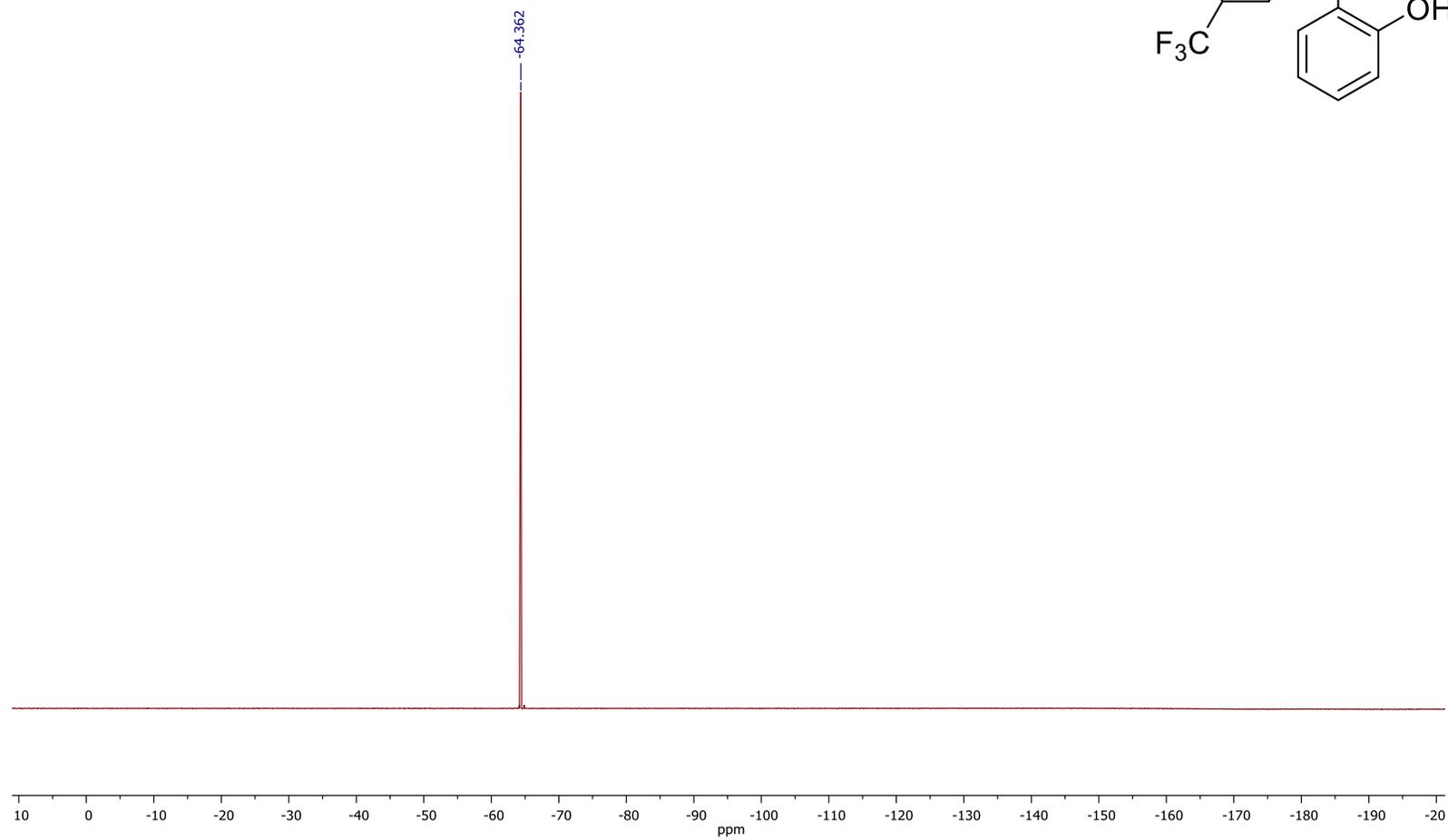
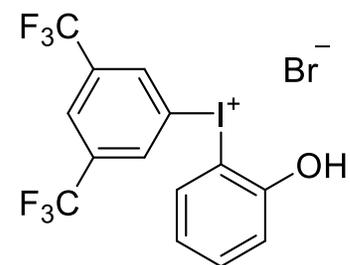
4d, ^1H NMR (400 MHz, CD_3OD)

4d, ^{13}C NMR (101 MHz, CD_3OD)

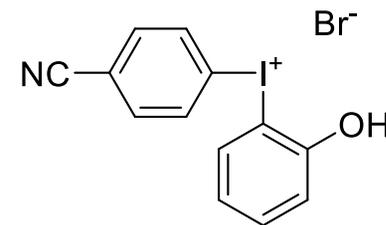
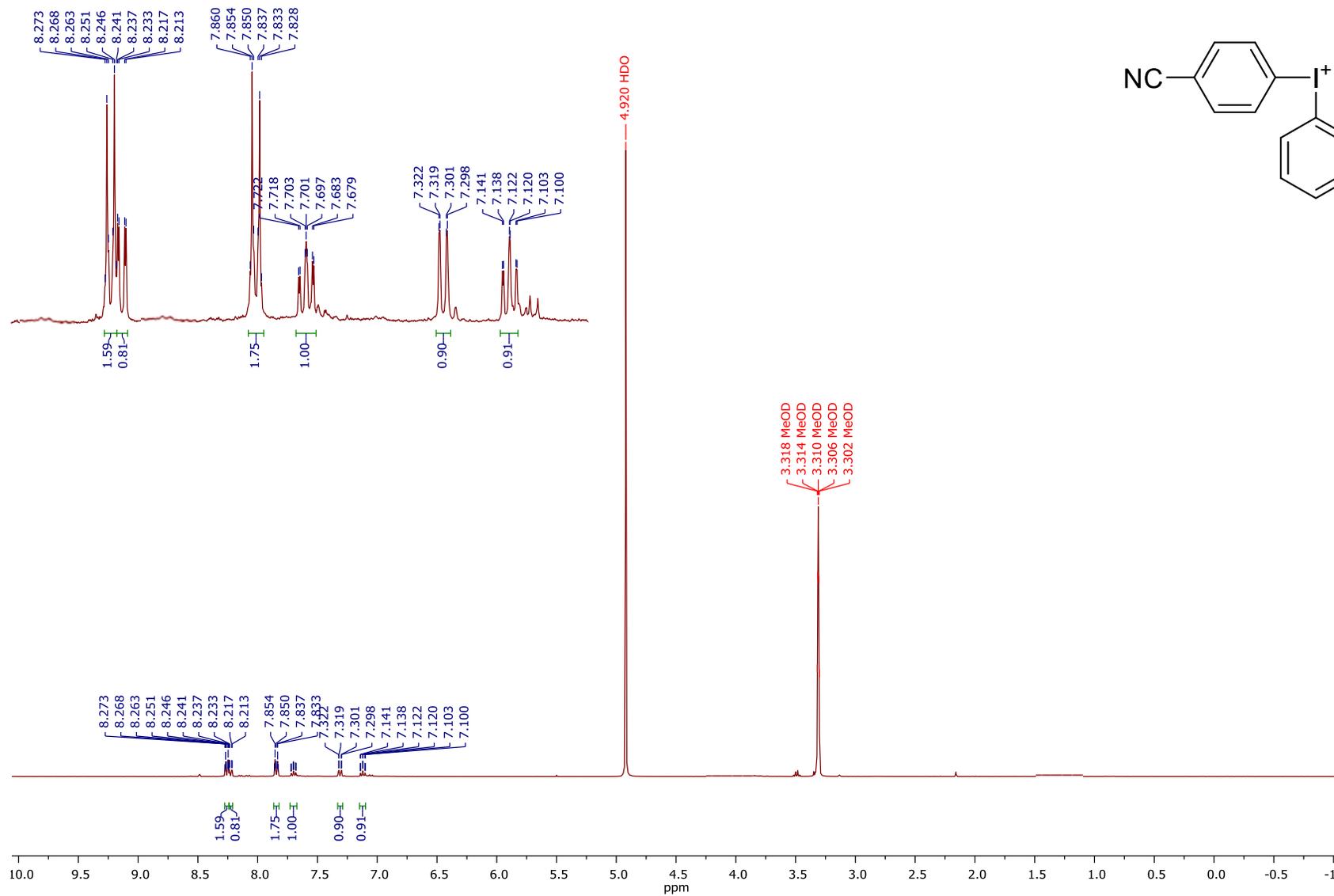
4d, ^{19}F NMR (376 MHz, CD_3OD)

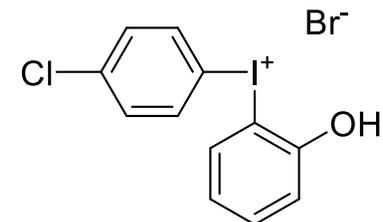
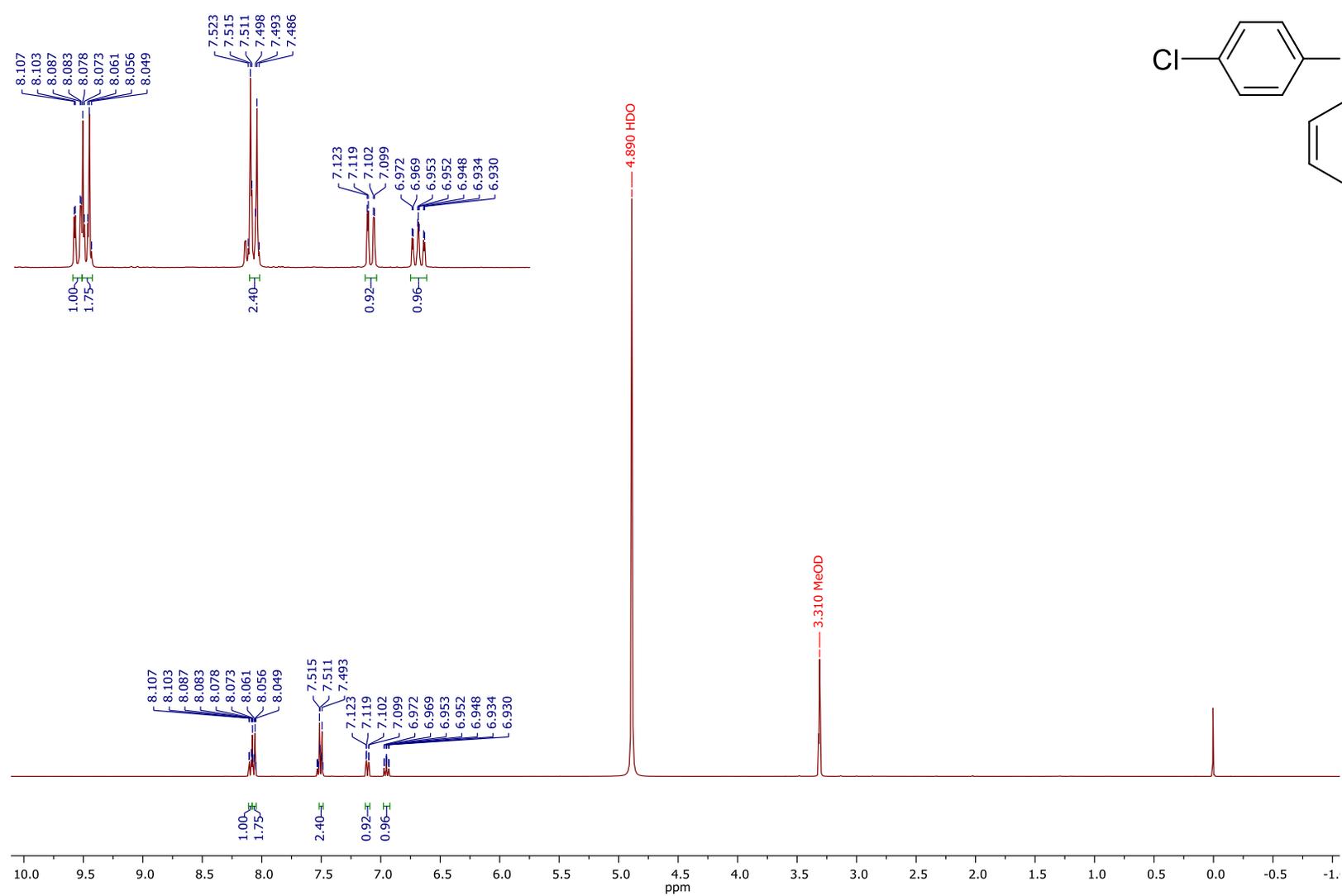
4e, ^1H NMR (400 MHz, CD_3OD)

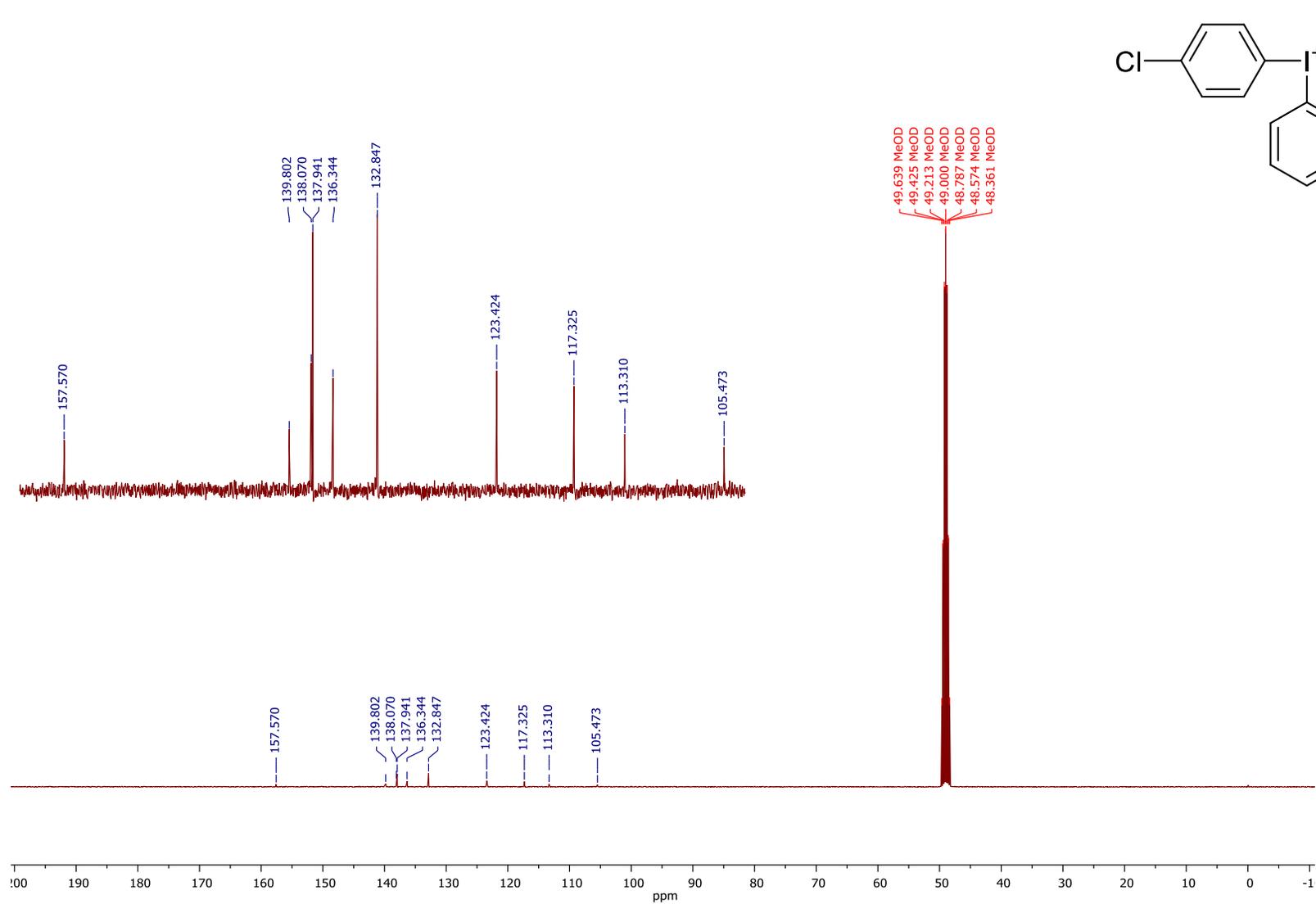
4e, ^{13}C NMR (101 MHz, CD_3OD)

4e, ^{19}F NMR (376 MHz, CD_3OD)

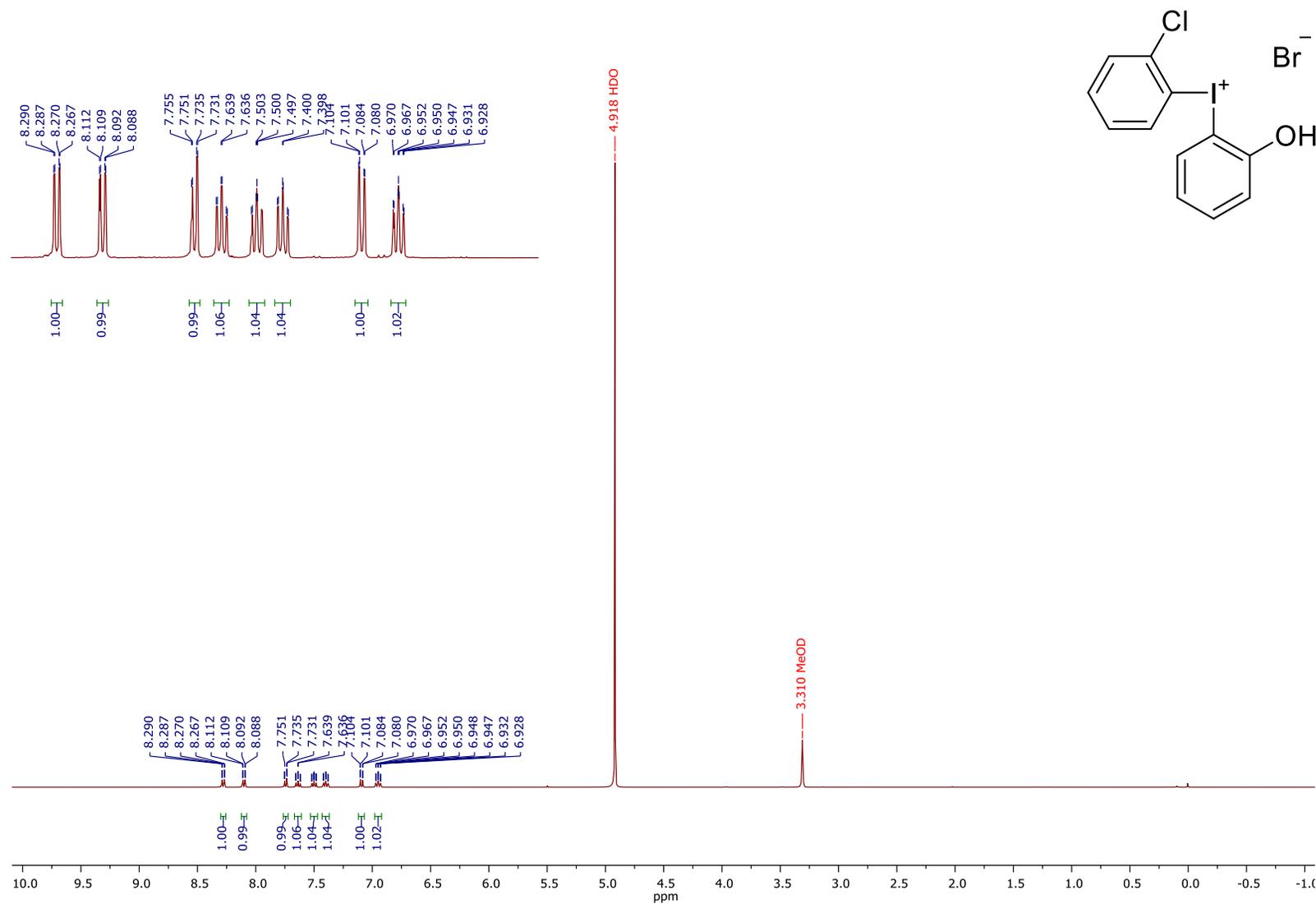
4f, ¹H NMR (400 MHz, CD₃OD)

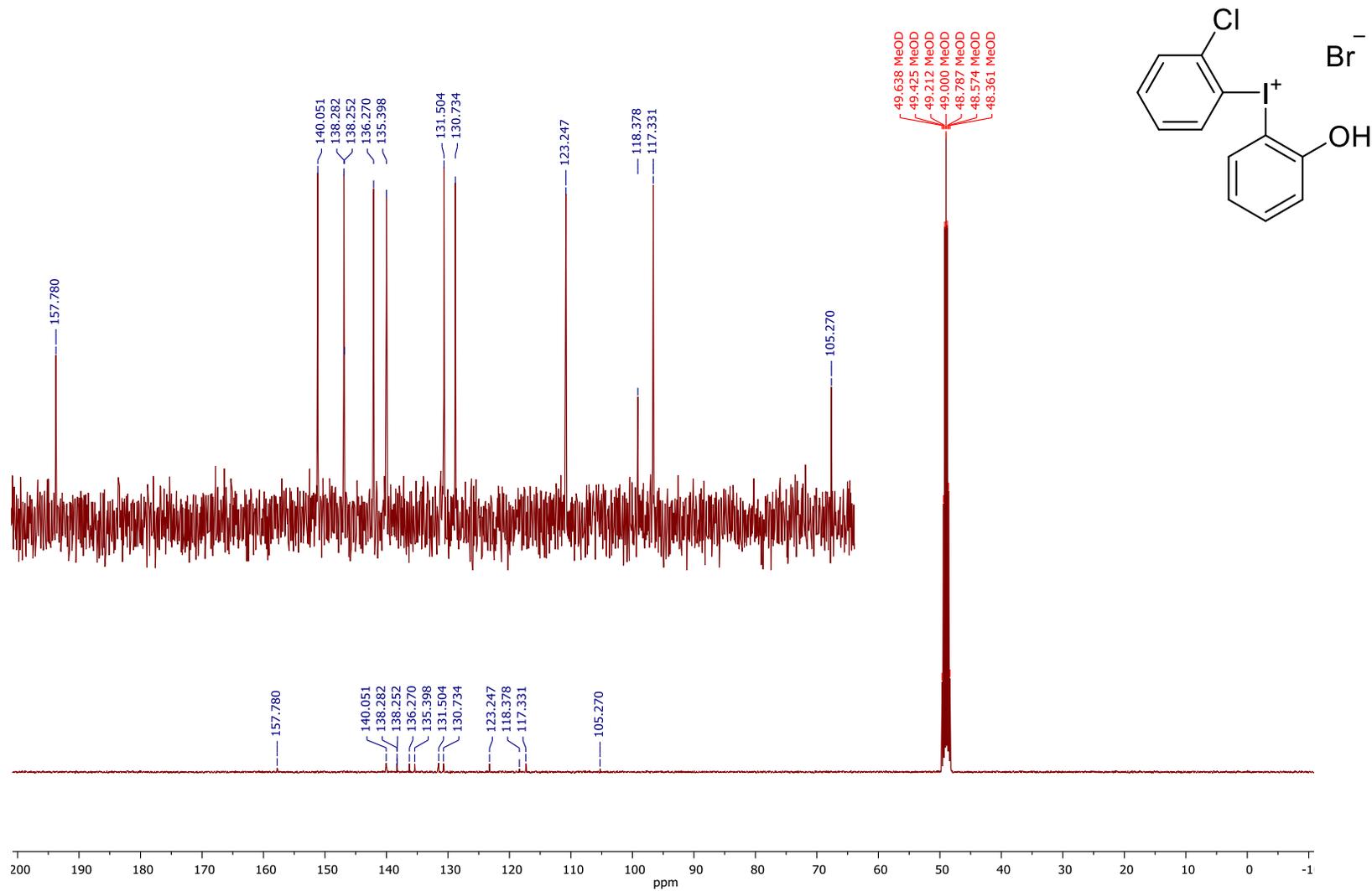


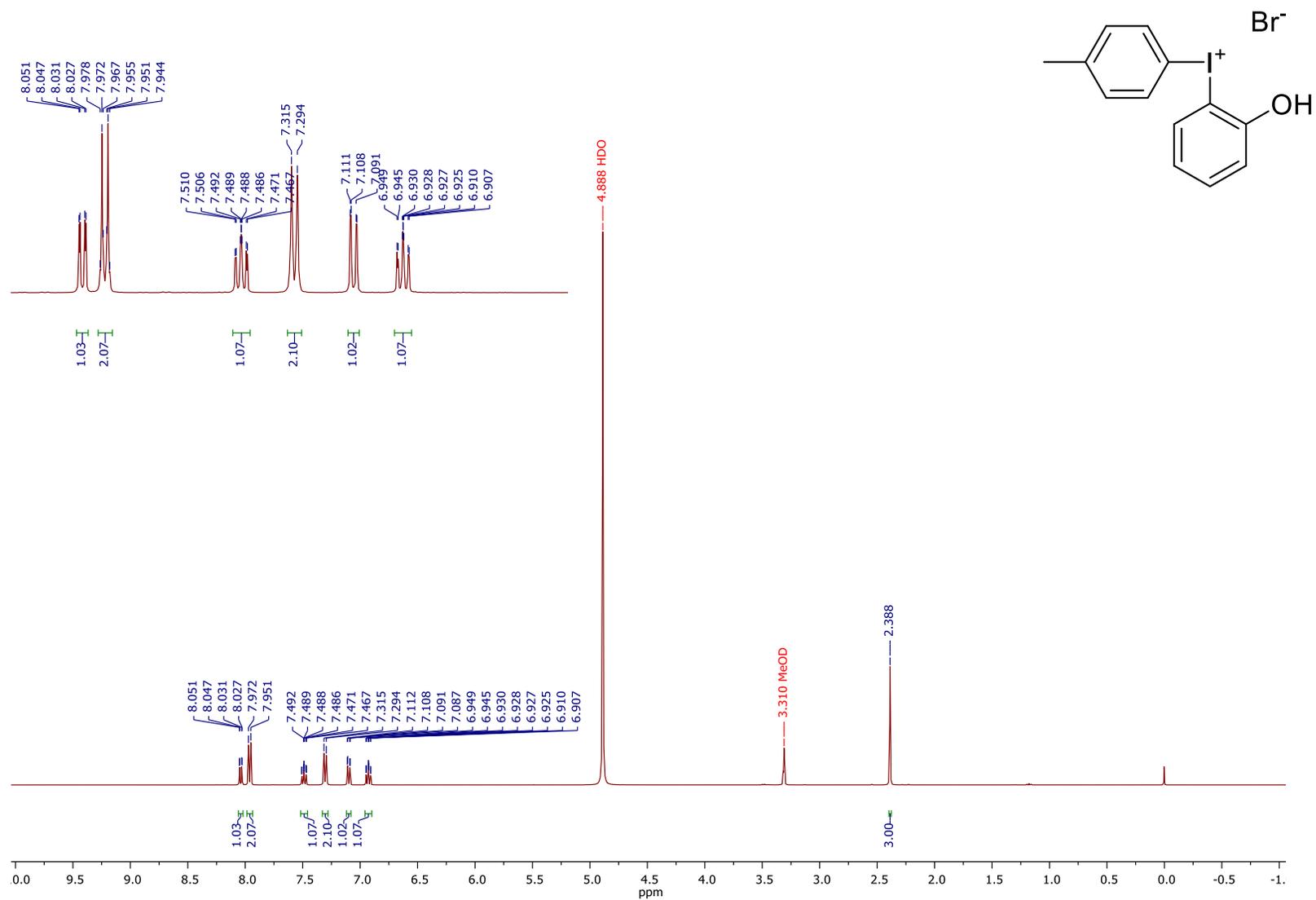
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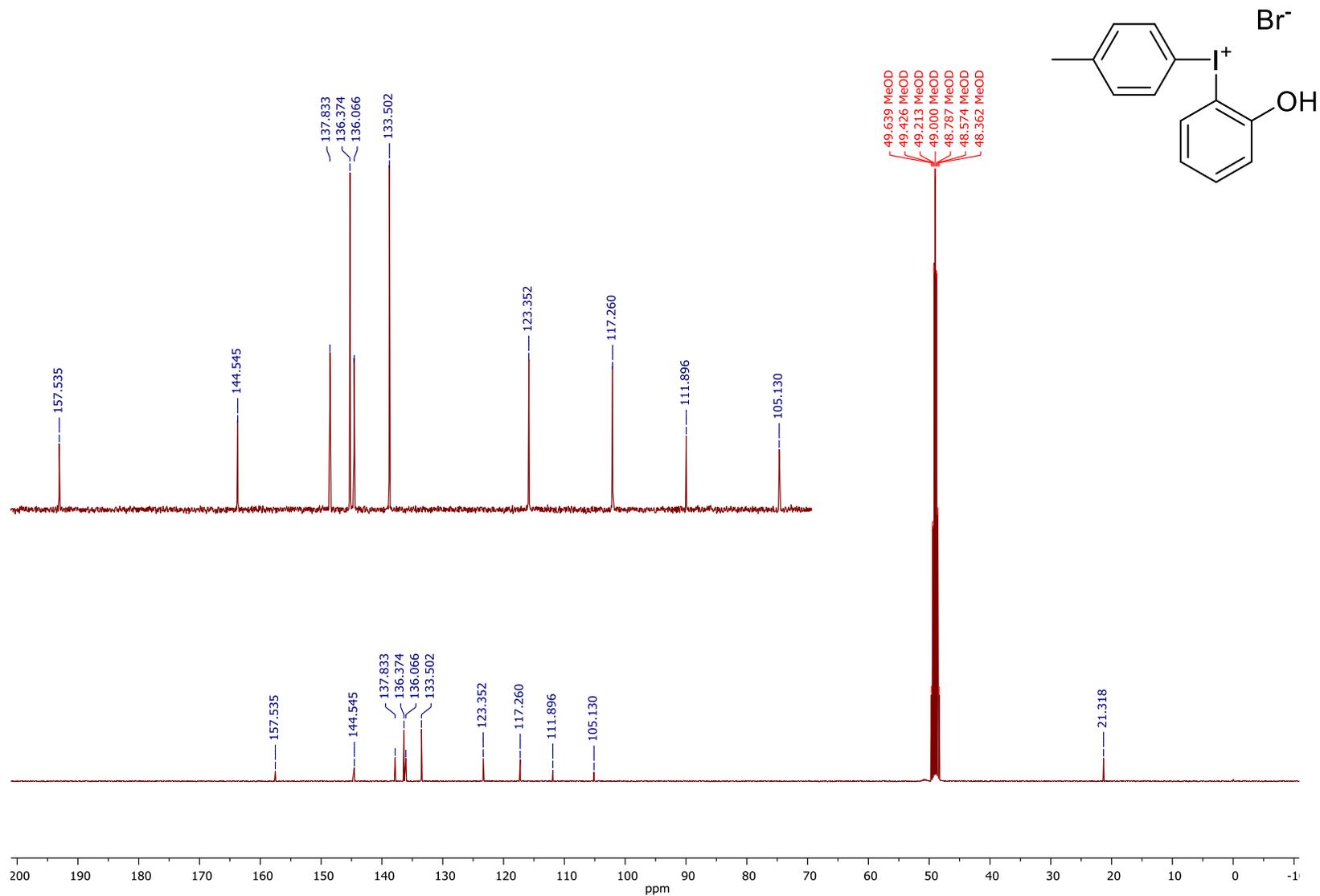
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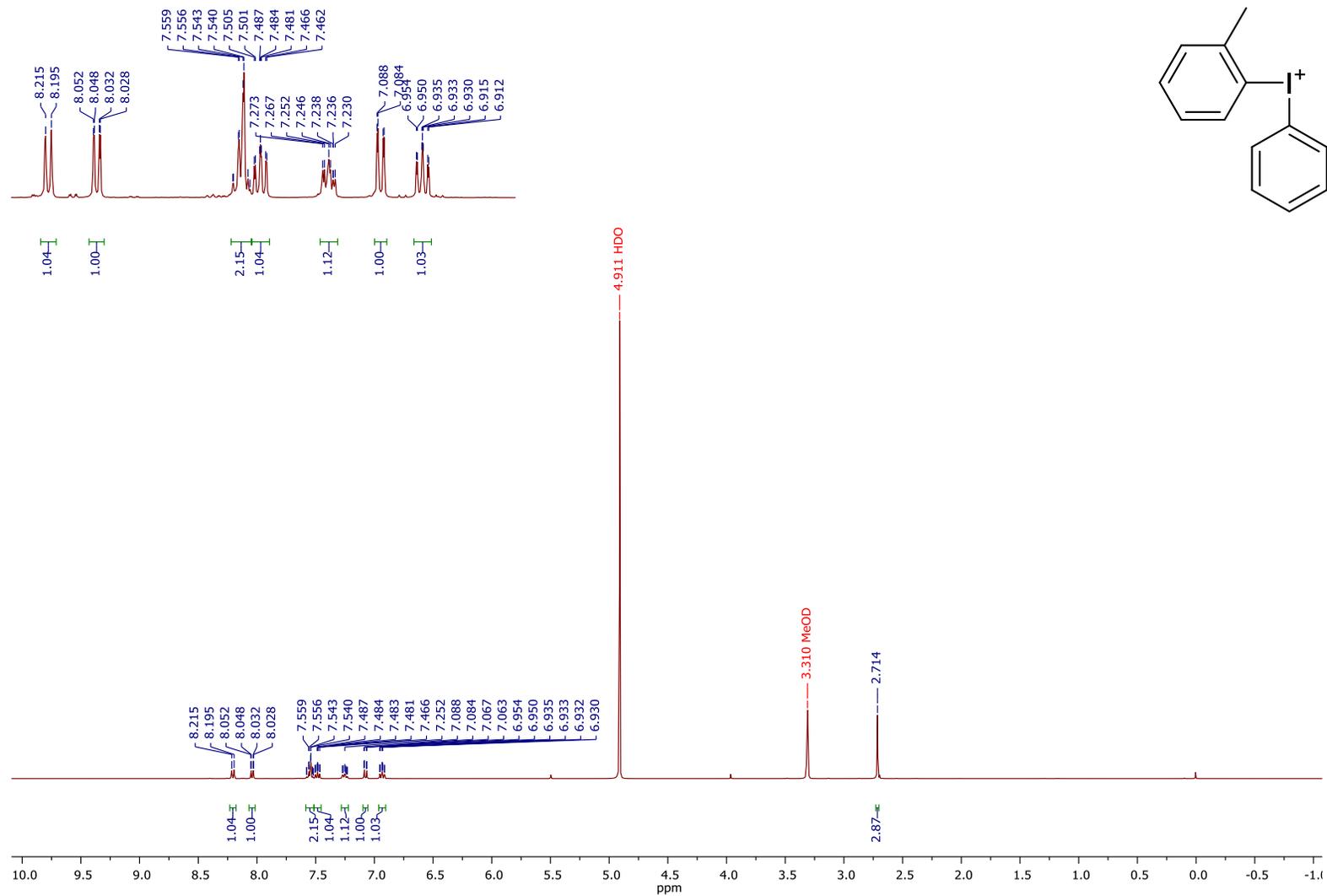
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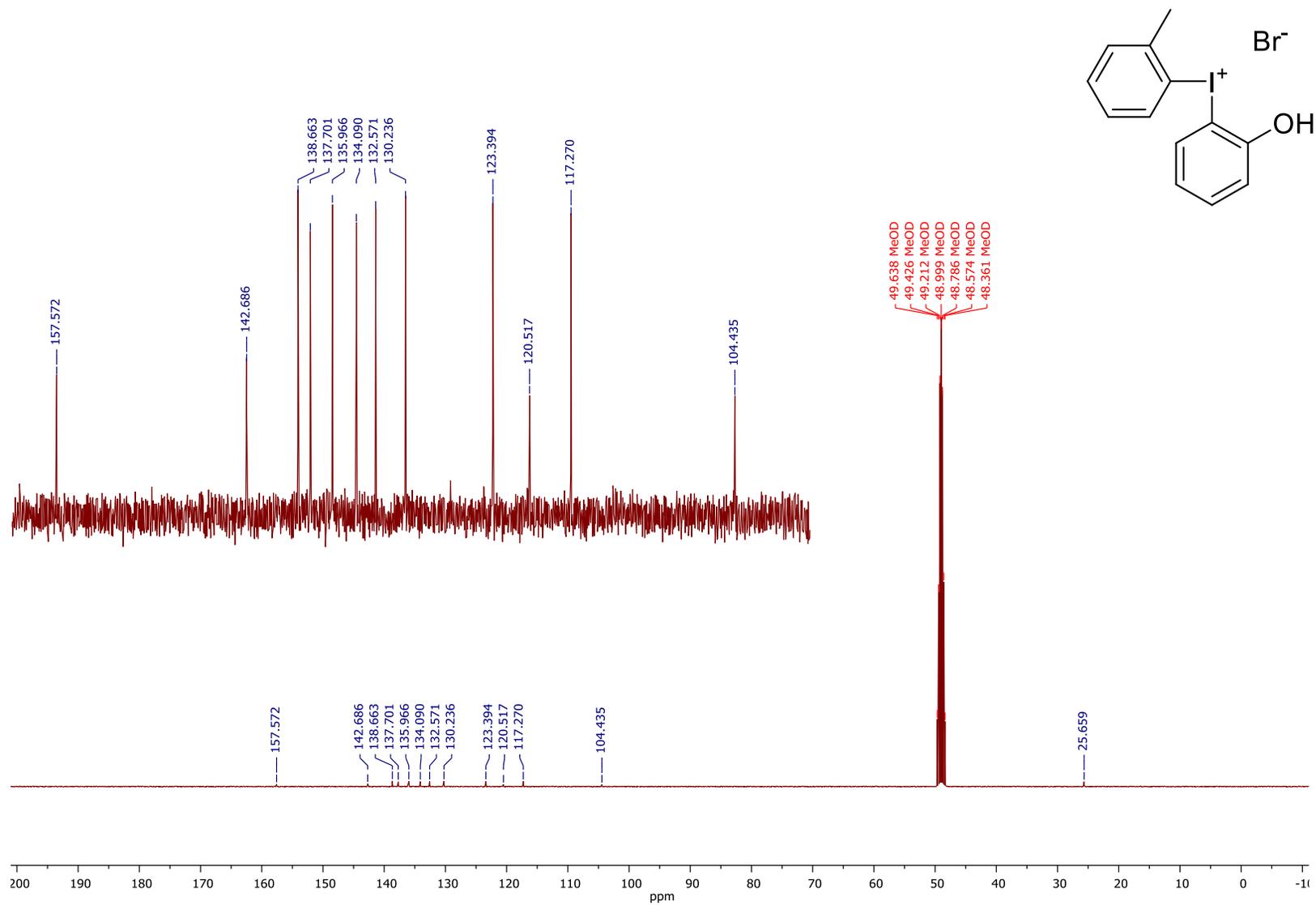


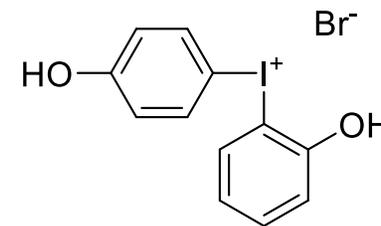
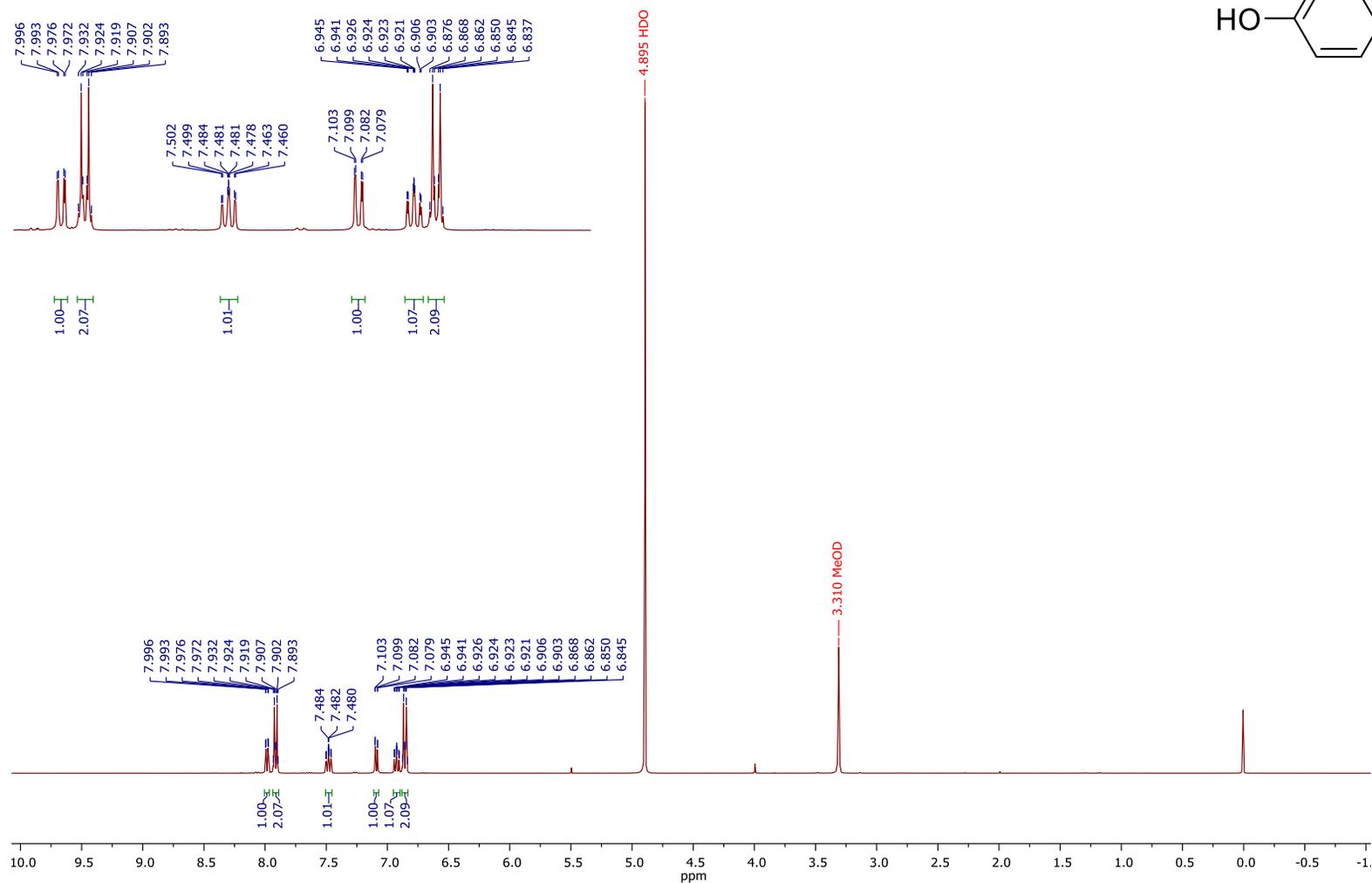
4h, ^{13}C NMR (101 MHz, CD_3OD)

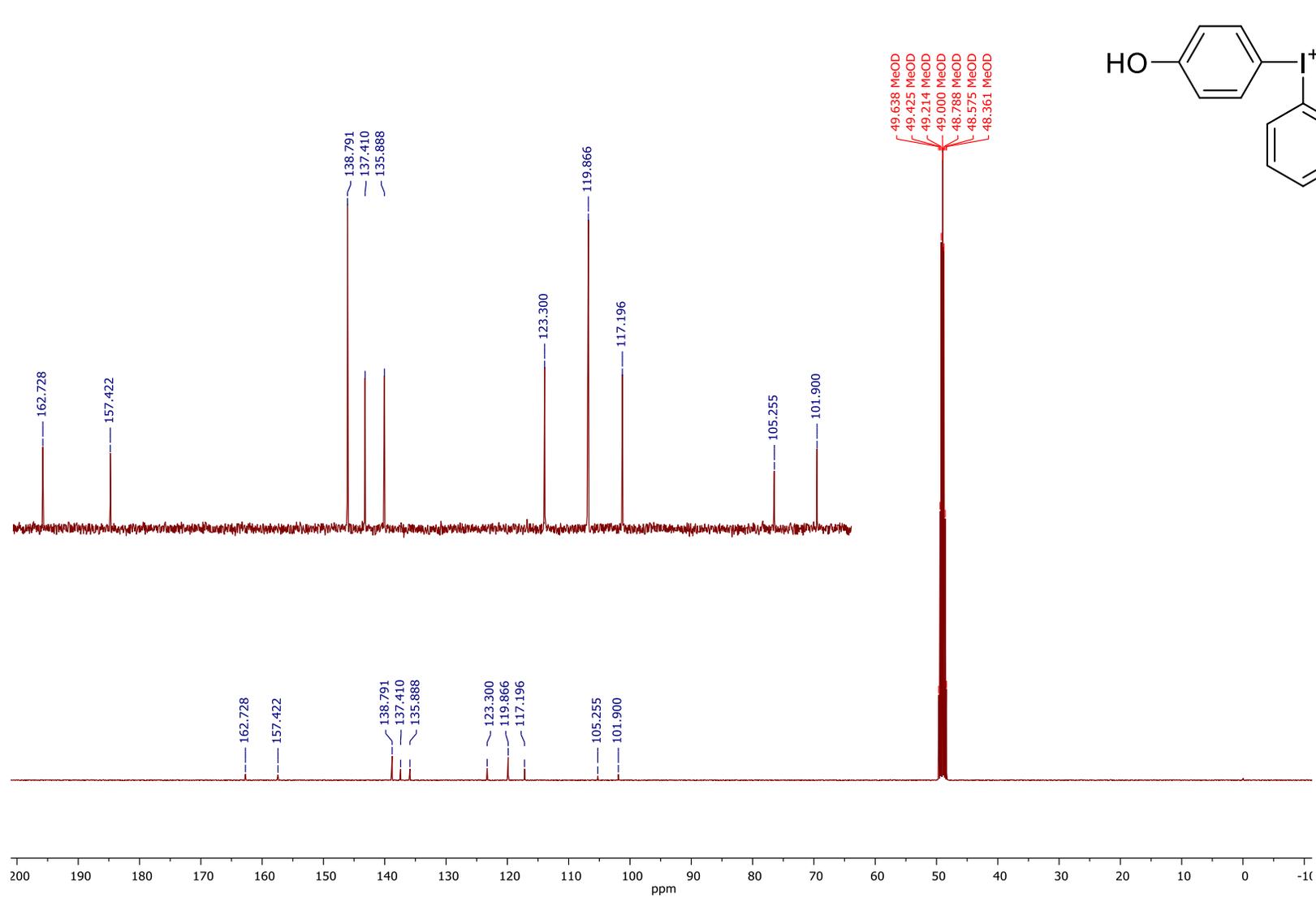
4i, ^1H NMR (400 MHz, CD_3OD)

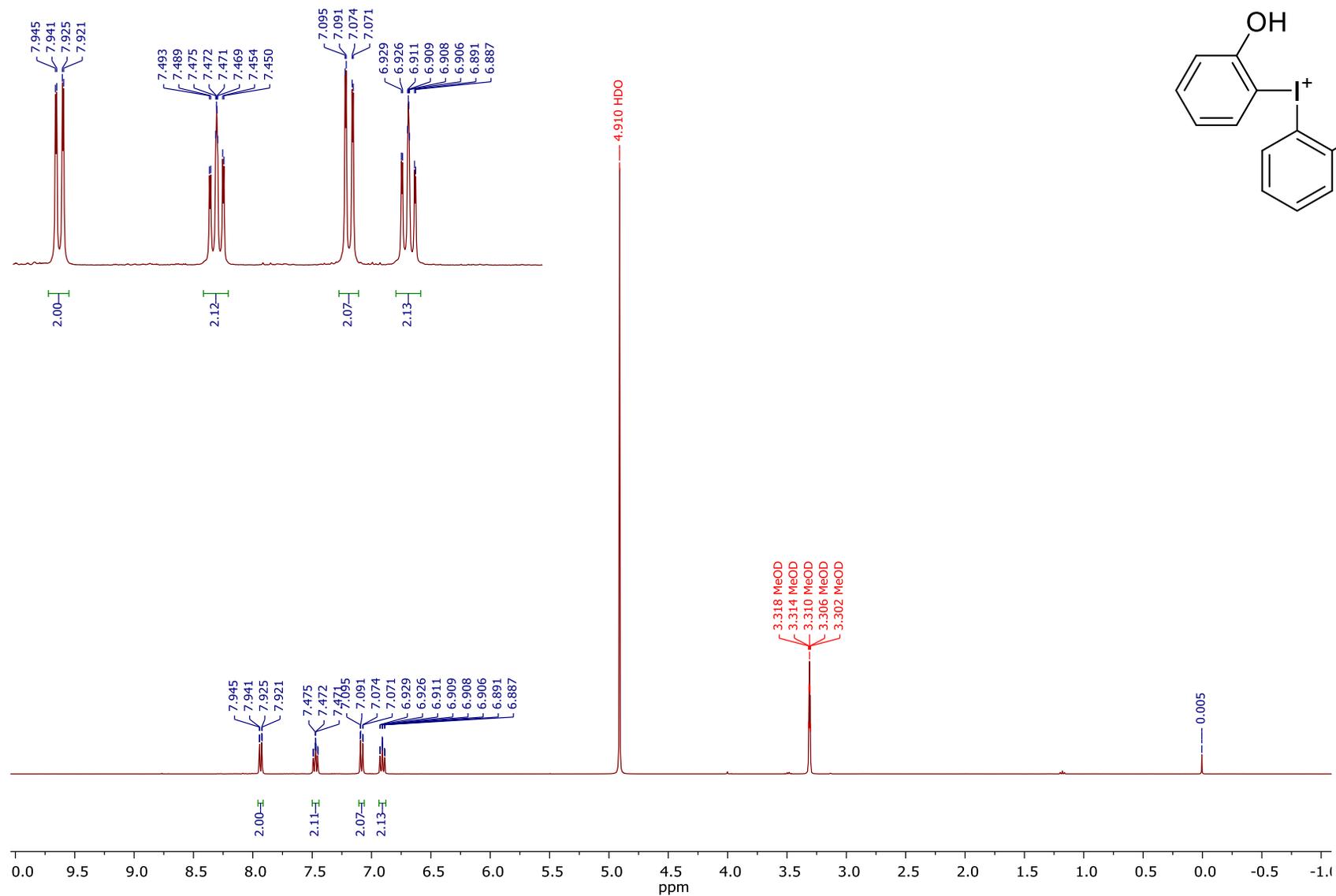
4i, ^{13}C NMR (101 MHz, CD_3OD)

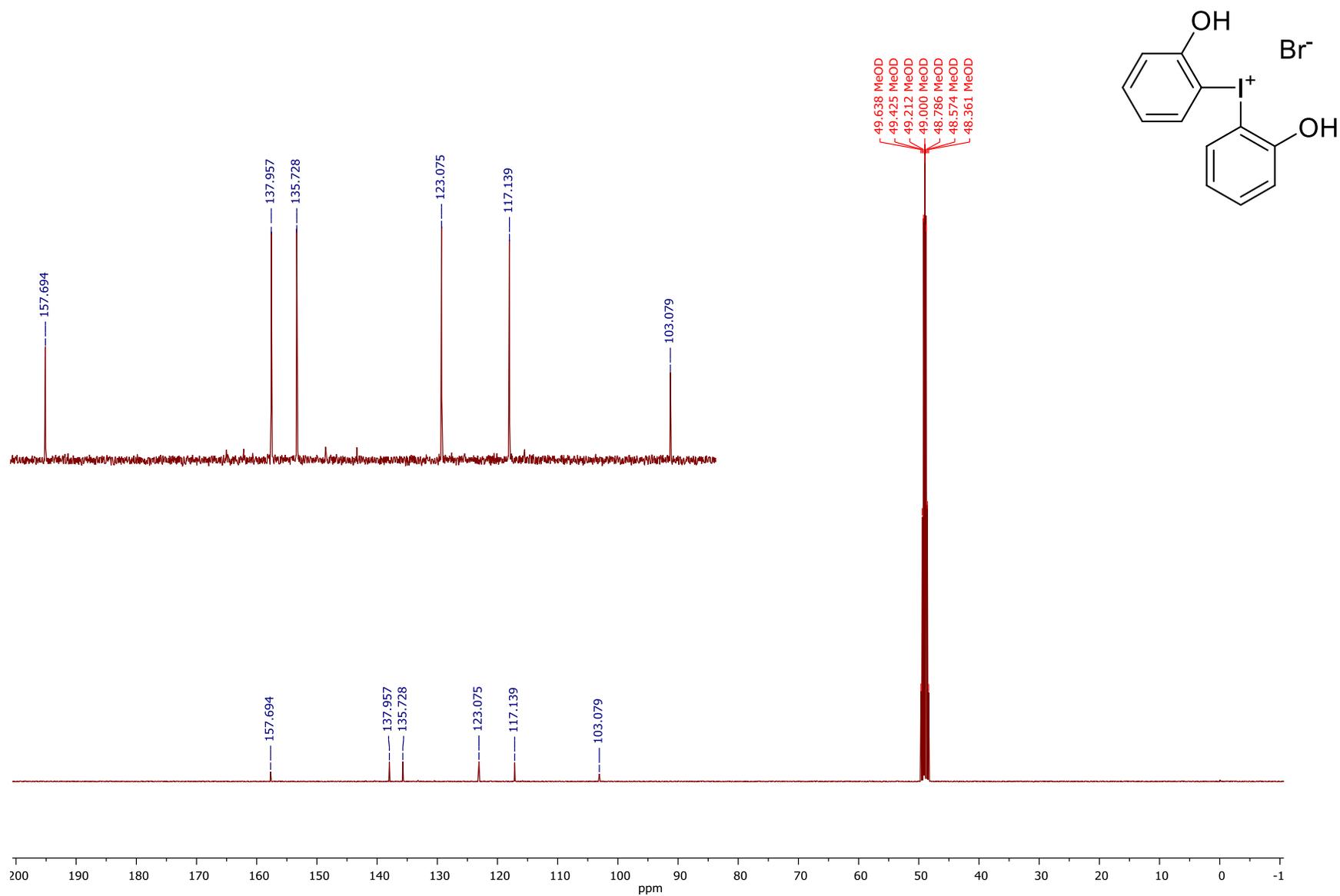
4j, ^1H NMR (400 MHz, CD_3OD)

4j, ^{13}C NMR (101 MHz, CD_3OD)

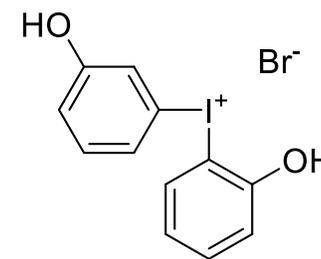
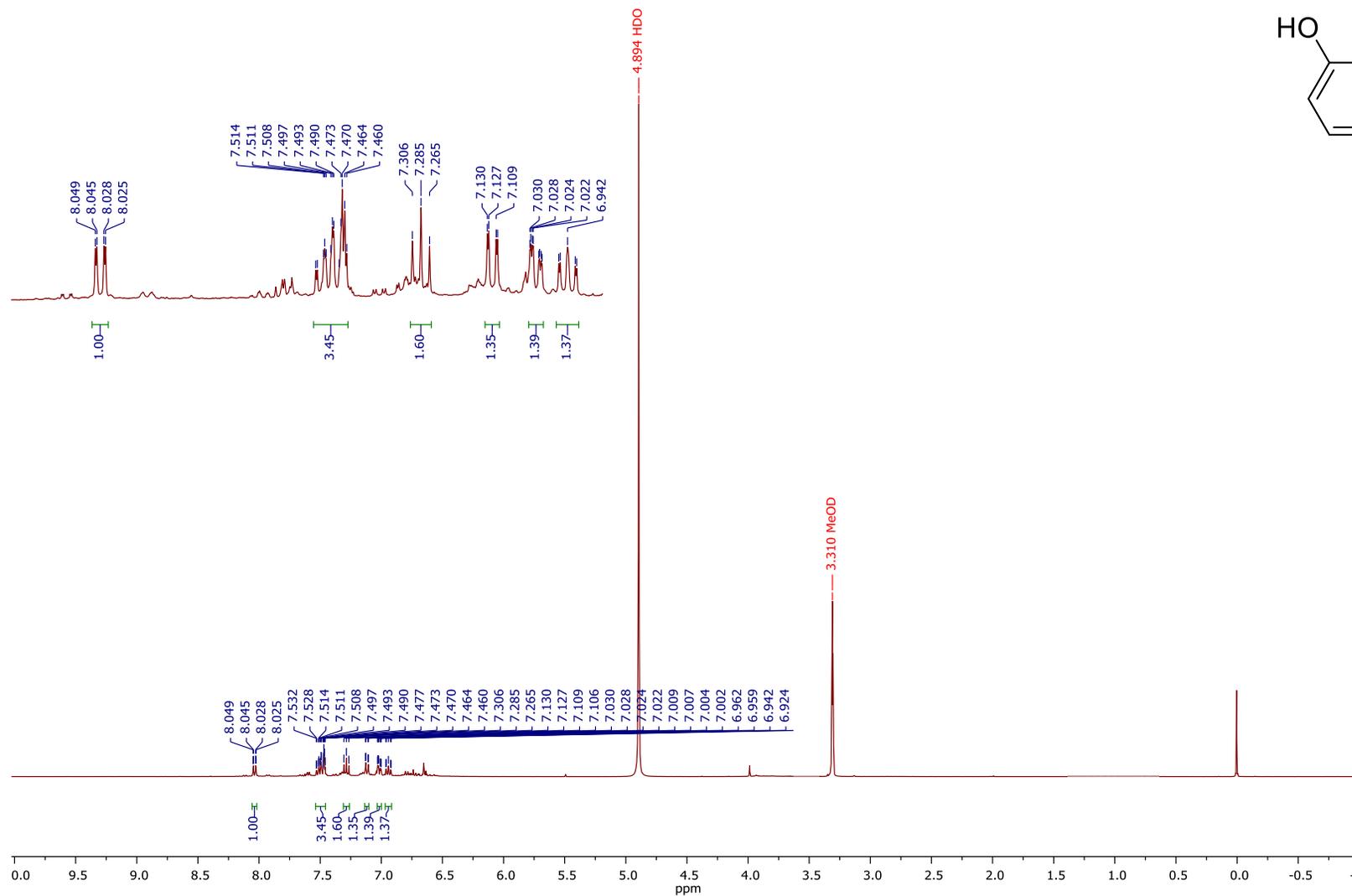
4k, ^1H NMR (400 MHz, CD_3OD)

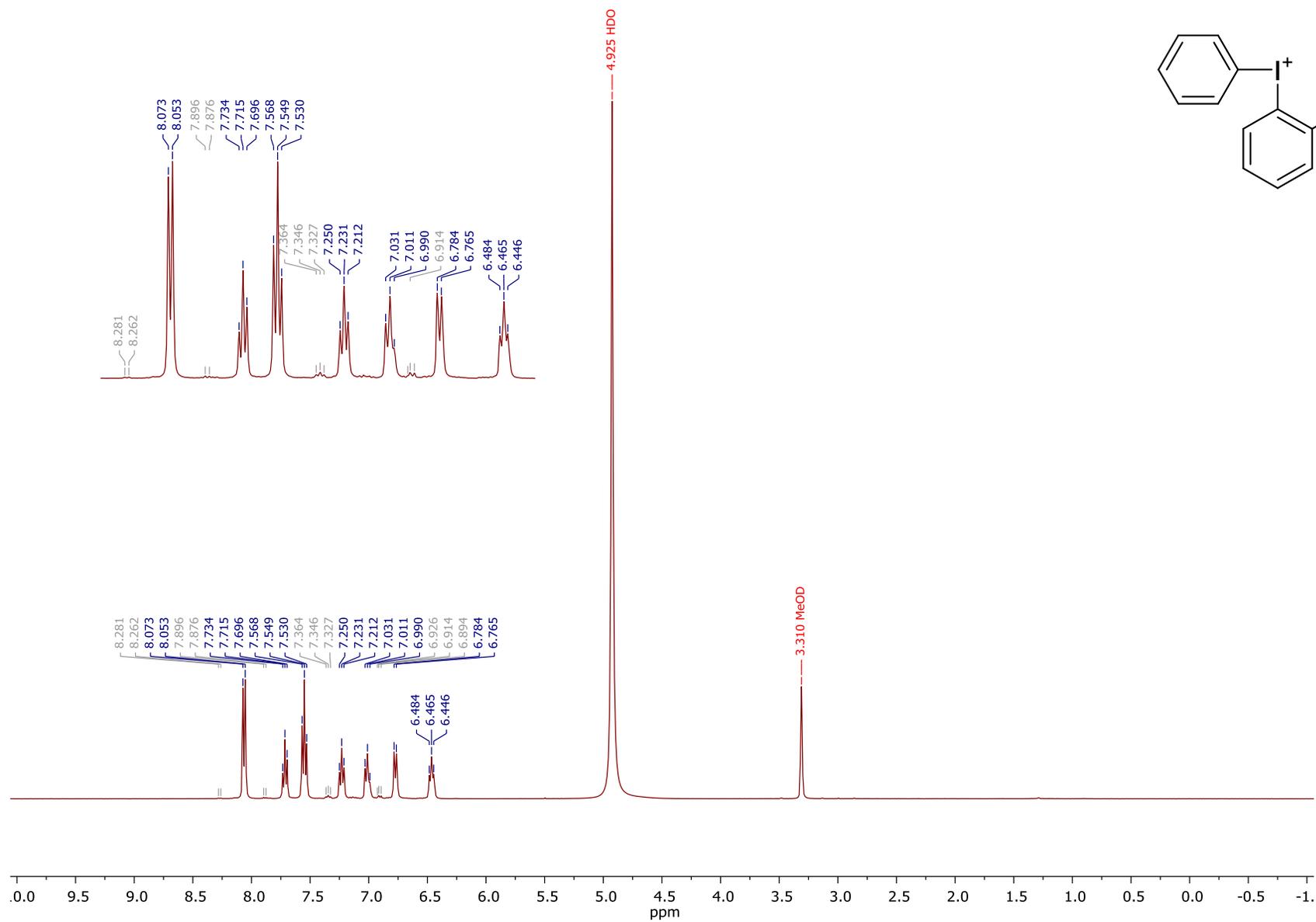
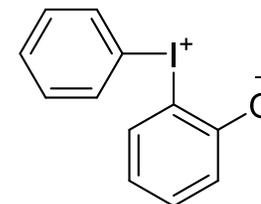
4k, ^{13}C NMR (101 MHz, CD_3OD)

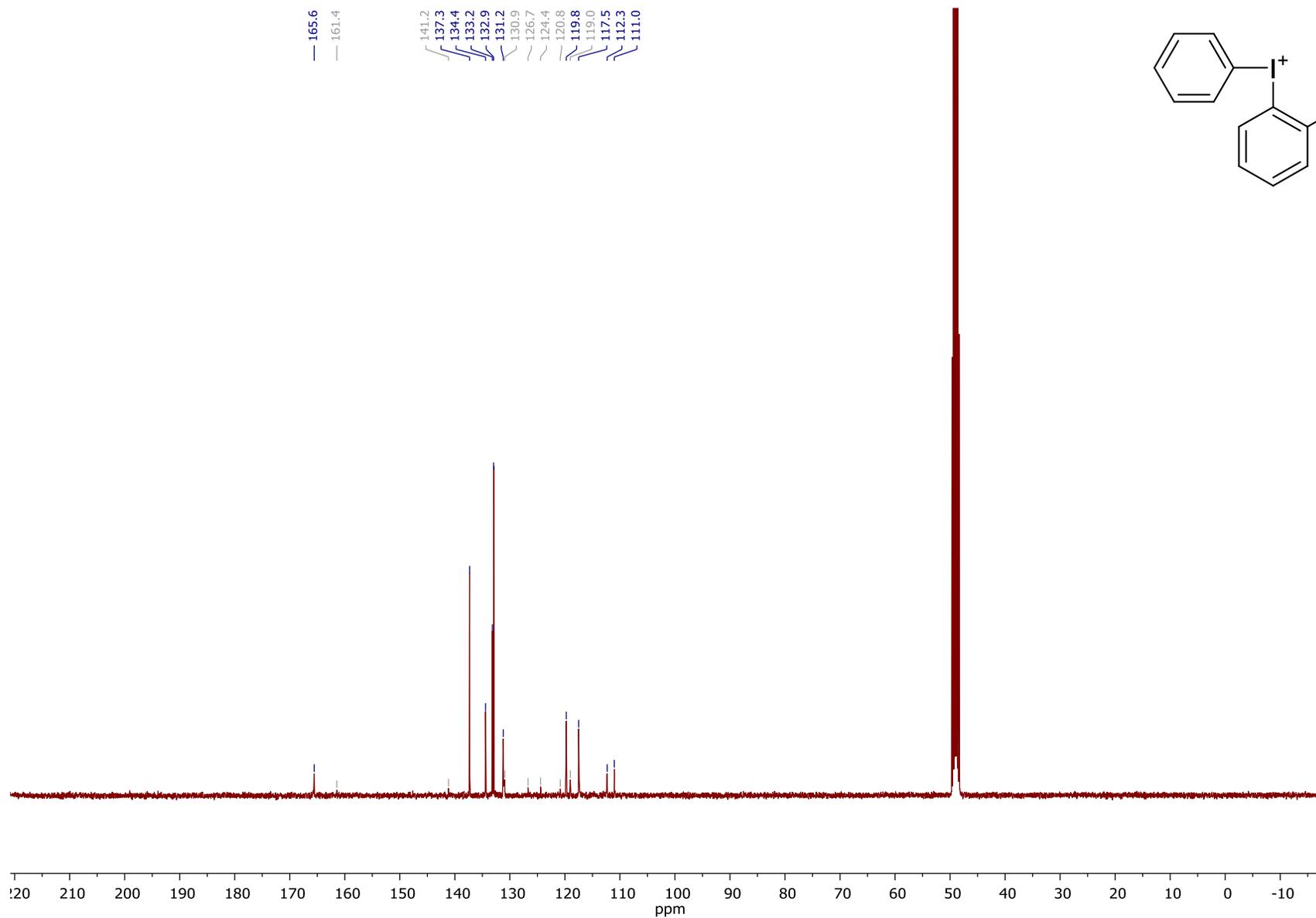
4l, ¹H NMR (400 MHz, CD₃OD)

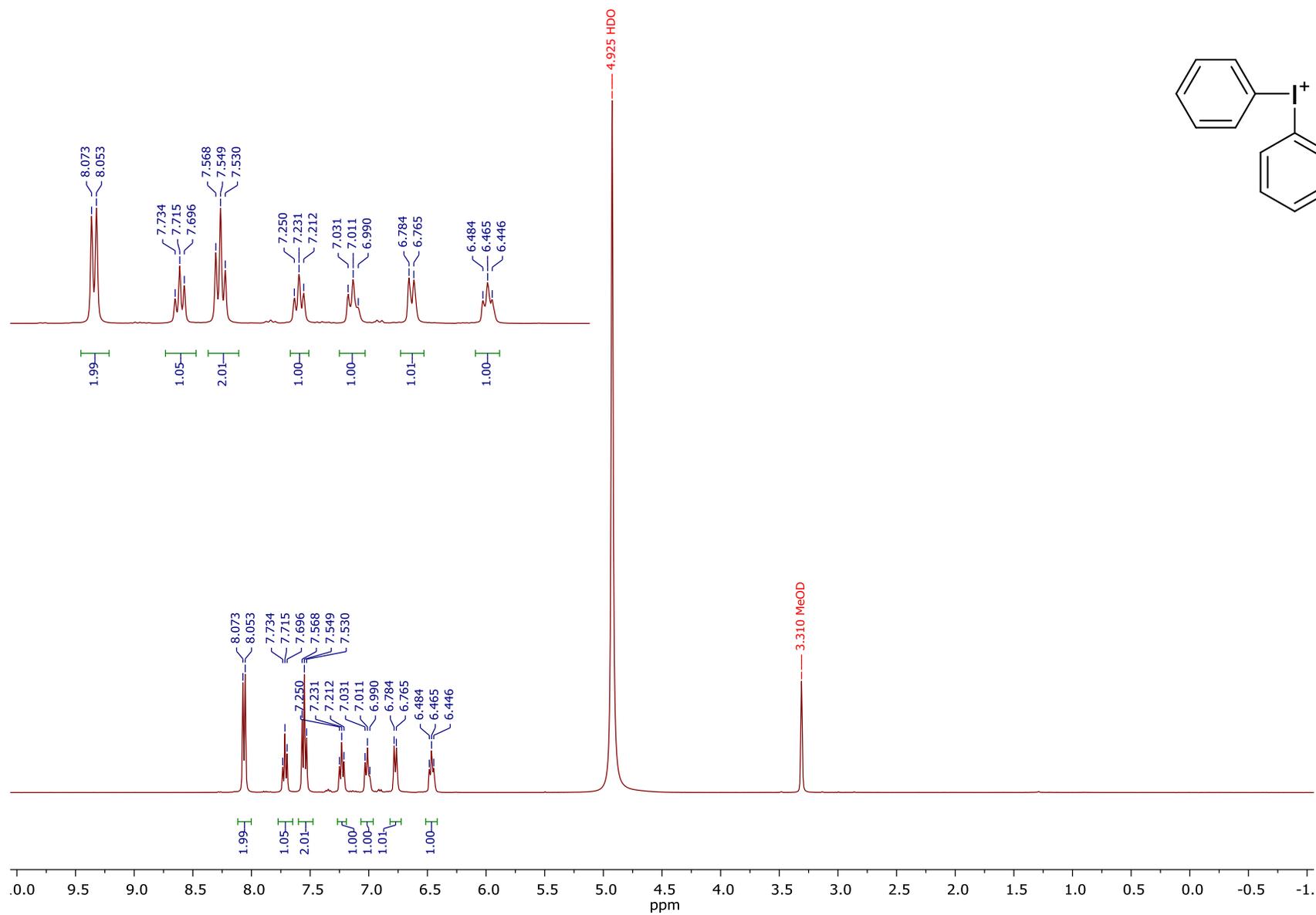
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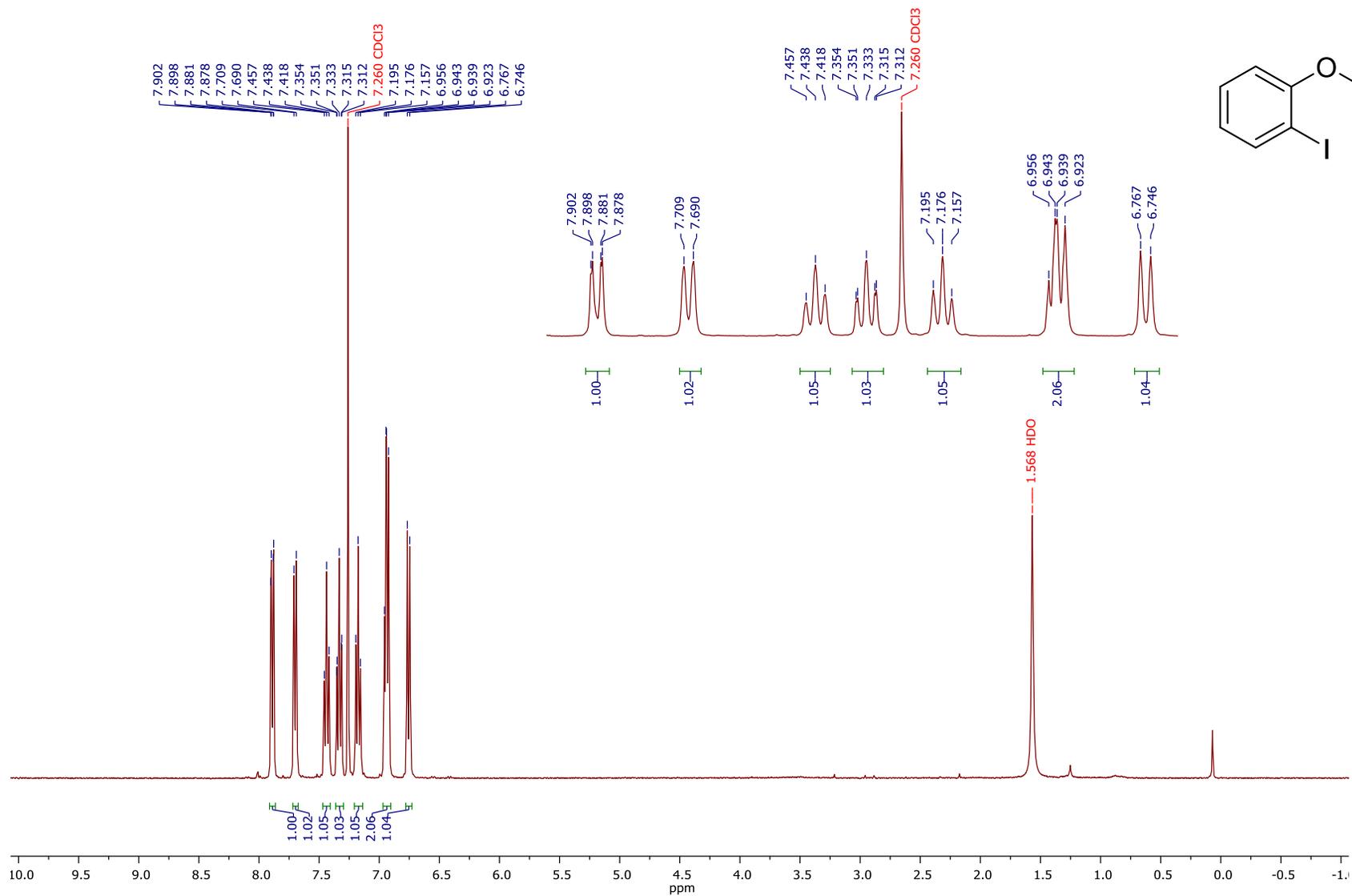
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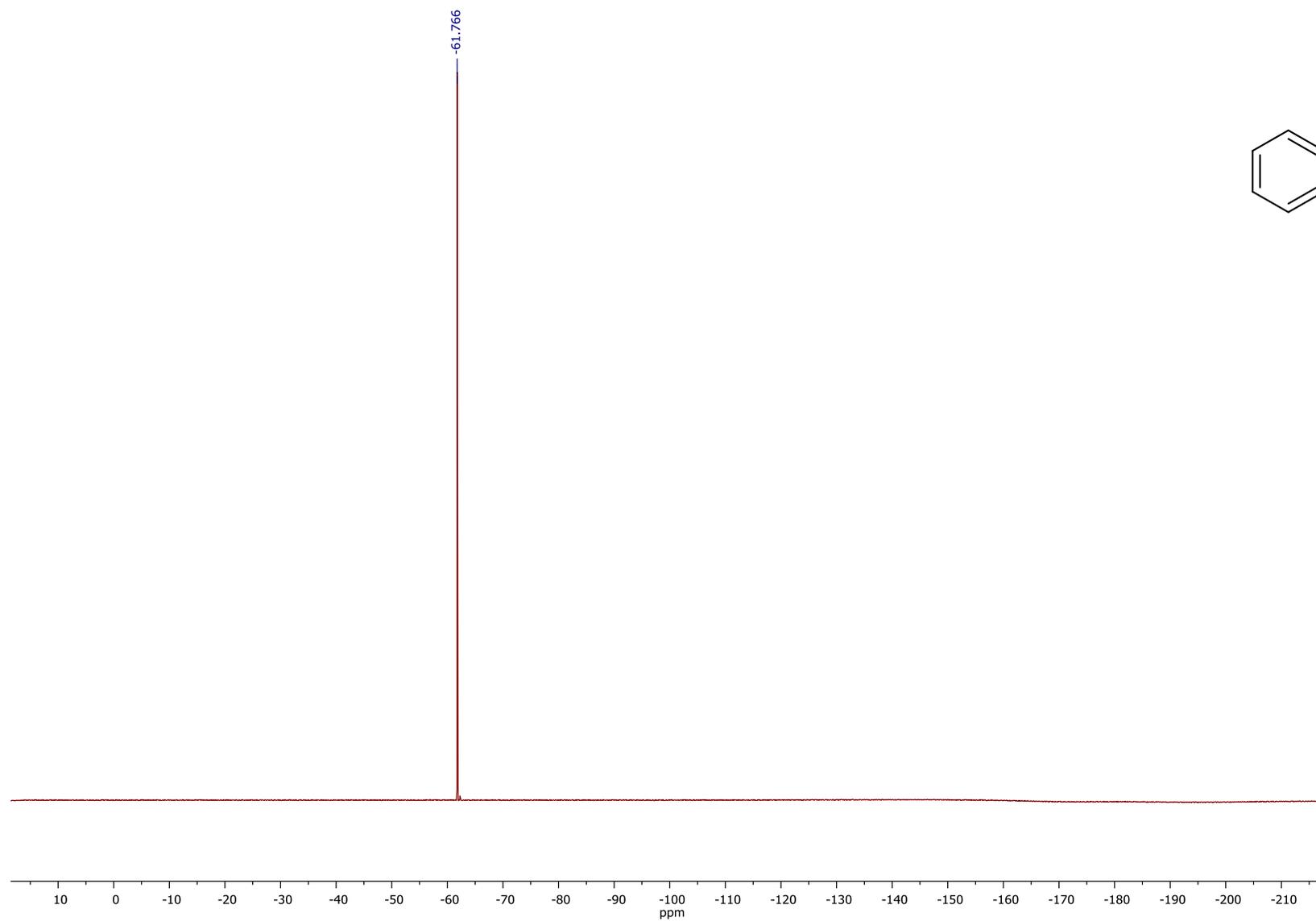
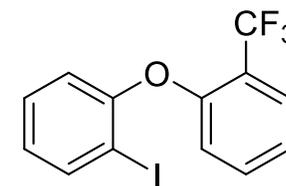


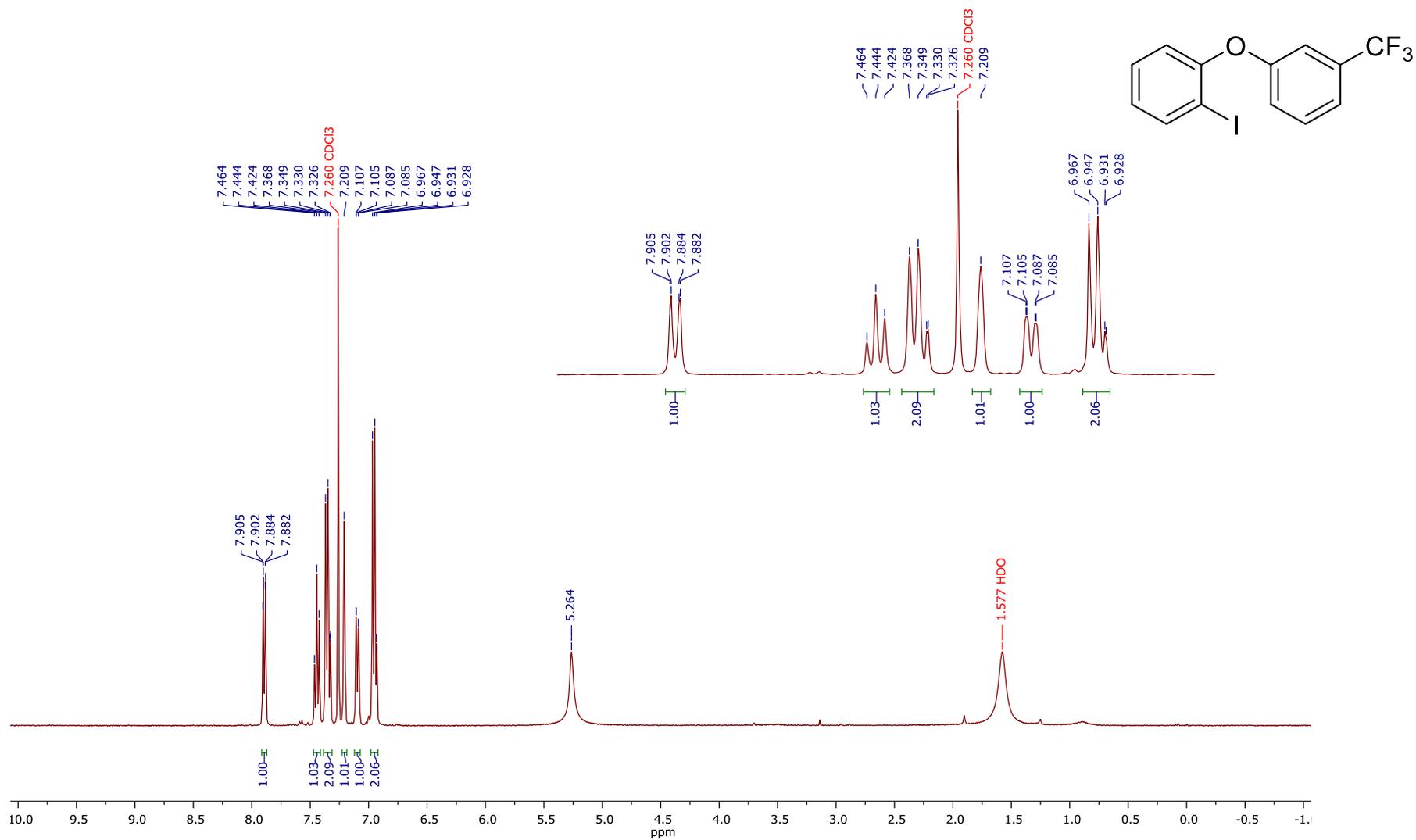
2-Hydroxyphenyl(phenyl)iodonium betaine, ^1H (Runtime, 0.5h/3h)

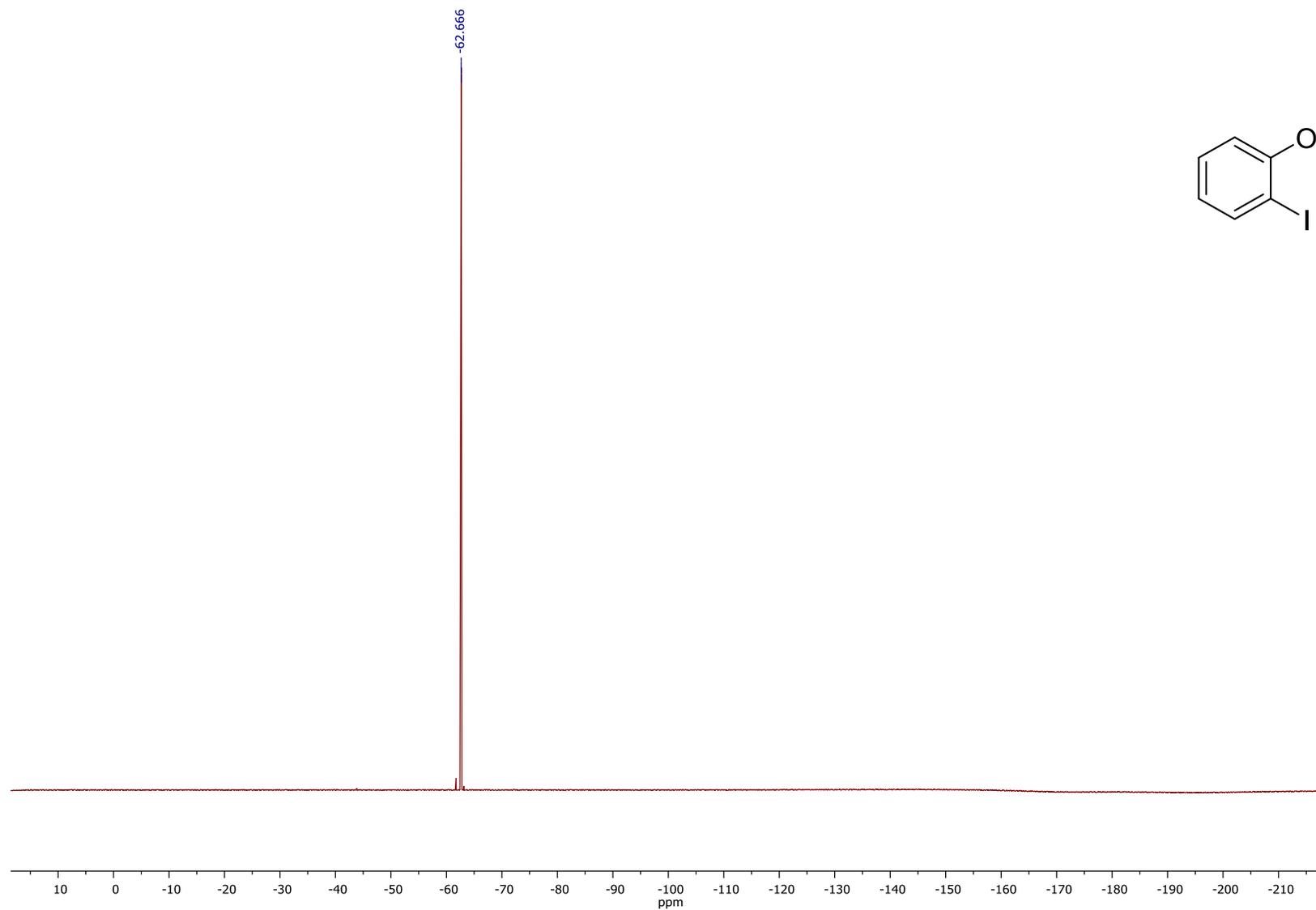
2-Hydroxyphenyl(phenyl)iodonium betaine, ^1H (Runtime, 0.5h/3h)

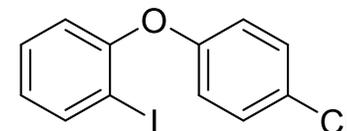
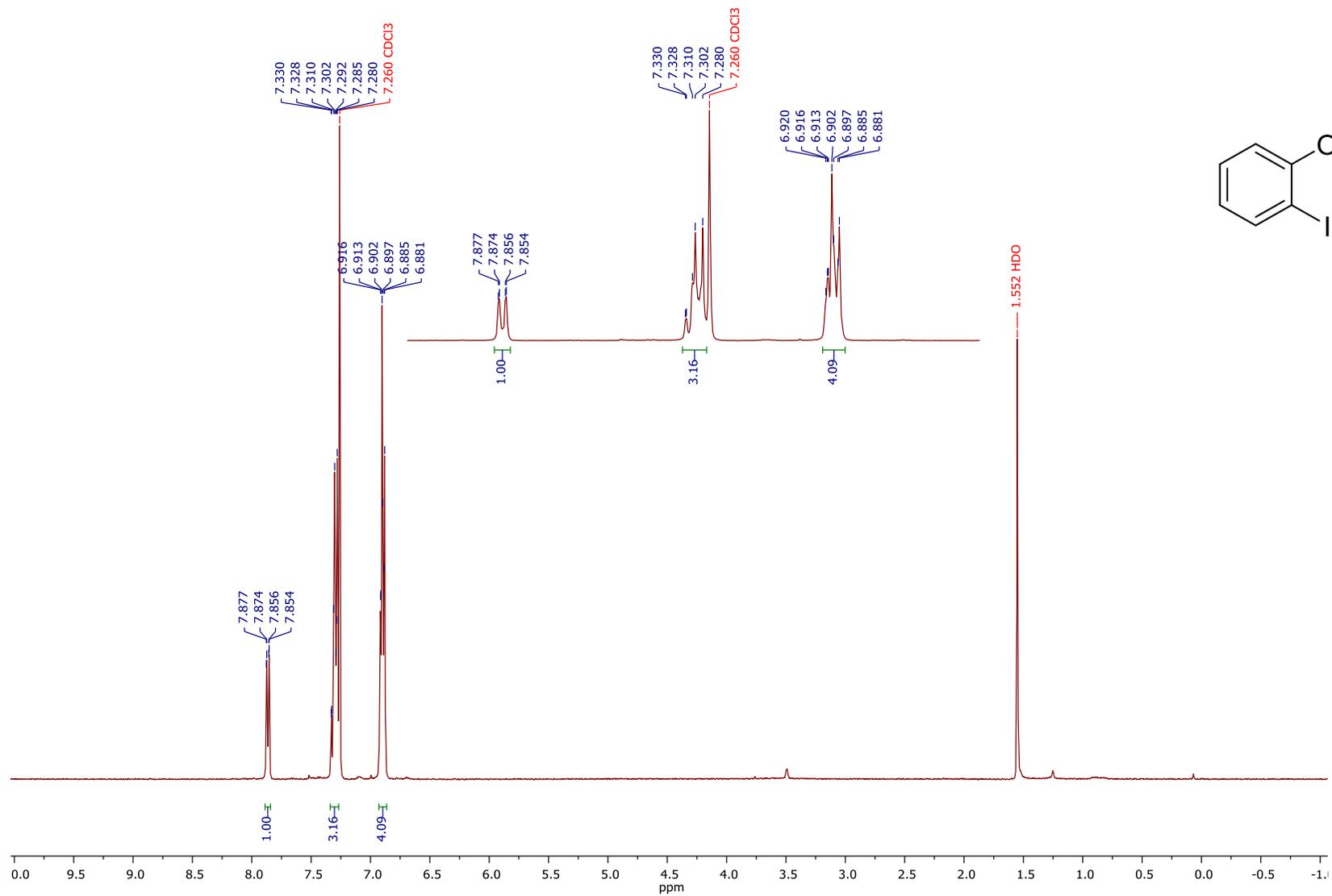
6, 2-Hydroxyphenyl(phenyl)iodonium betaine

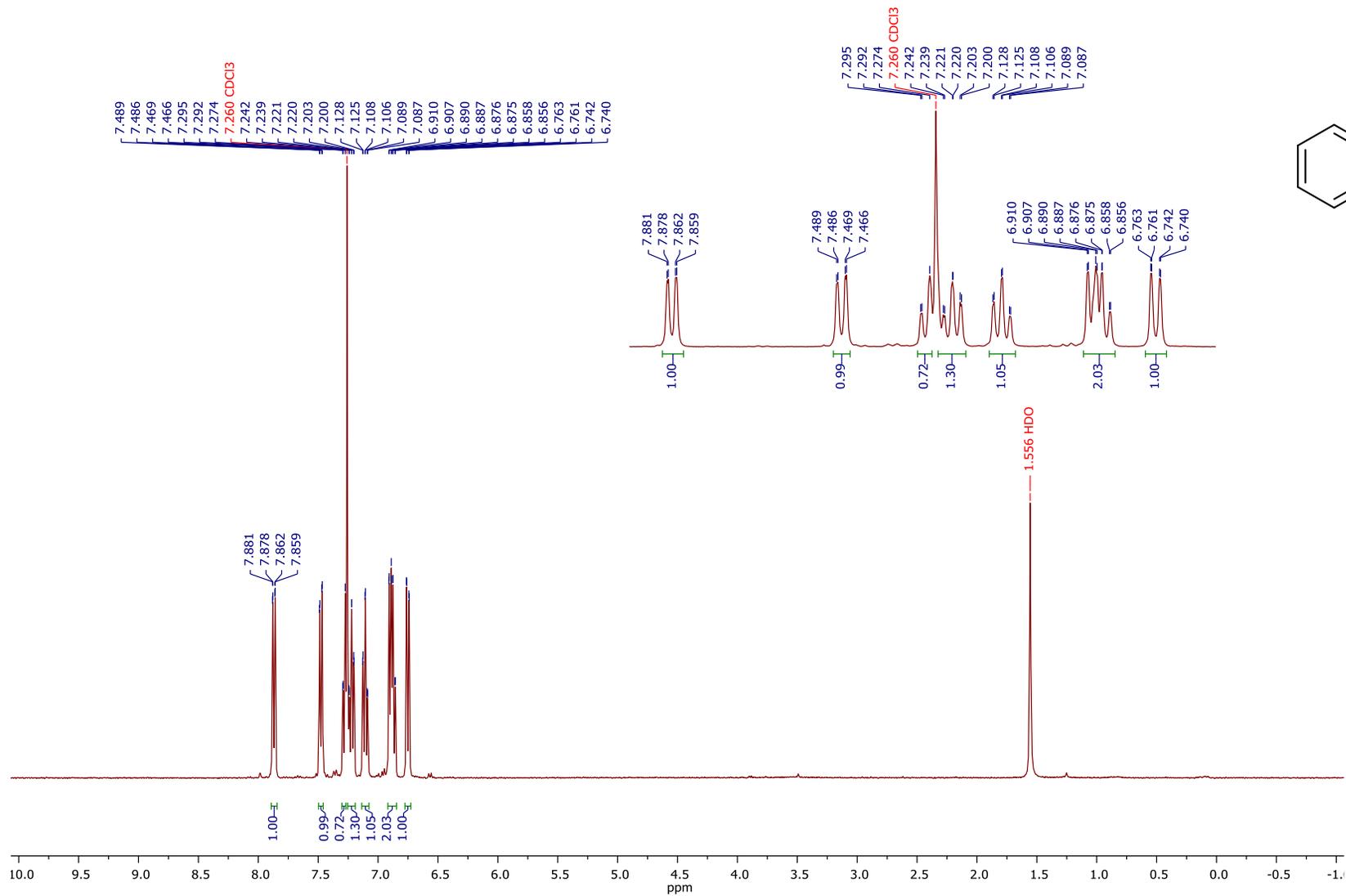
5c, ^1H NMR (400 MHz, CDCl_3)

5c, ^{19}F NMR (376 MHz, CDCl_3)

5d, ^1H NMR (400 MHz, CDCl_3)

5d, ^{19}F NMR (376 MHz, CDCl_3)

5g, ^1H NMR (400 MHz, CDCl_3)

5h, ^1H NMR (400 MHz, CDCl_3)

5j, ¹H NMR (400 MHz, CDCl₃)

