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Figure S2. Carbon-13 NMR spectrum of Starting Material Phenyltrimethylsilane (1).

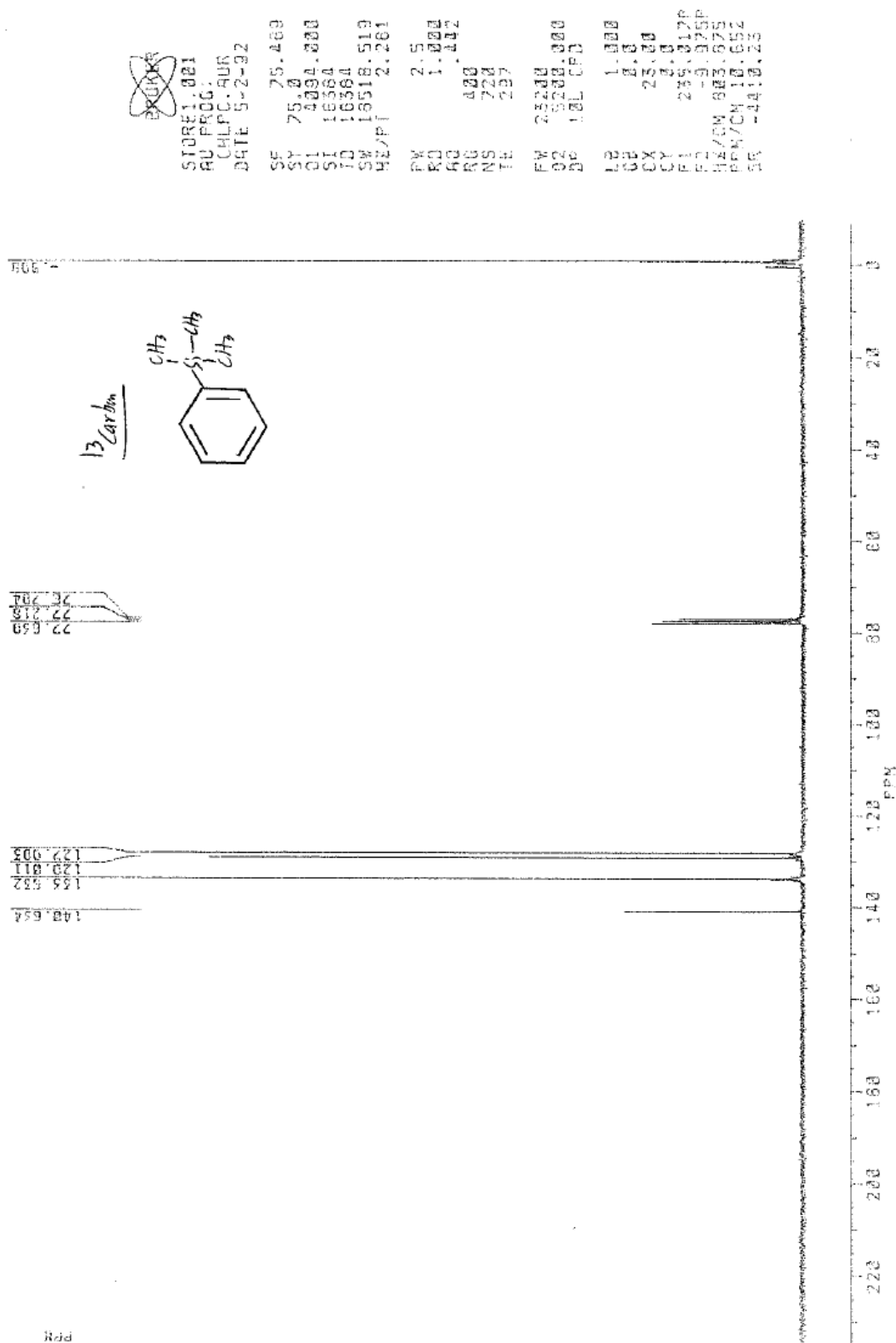


Figure S3. Proton NMR spectrum of Related Product Trifluoroacetophenone (5).

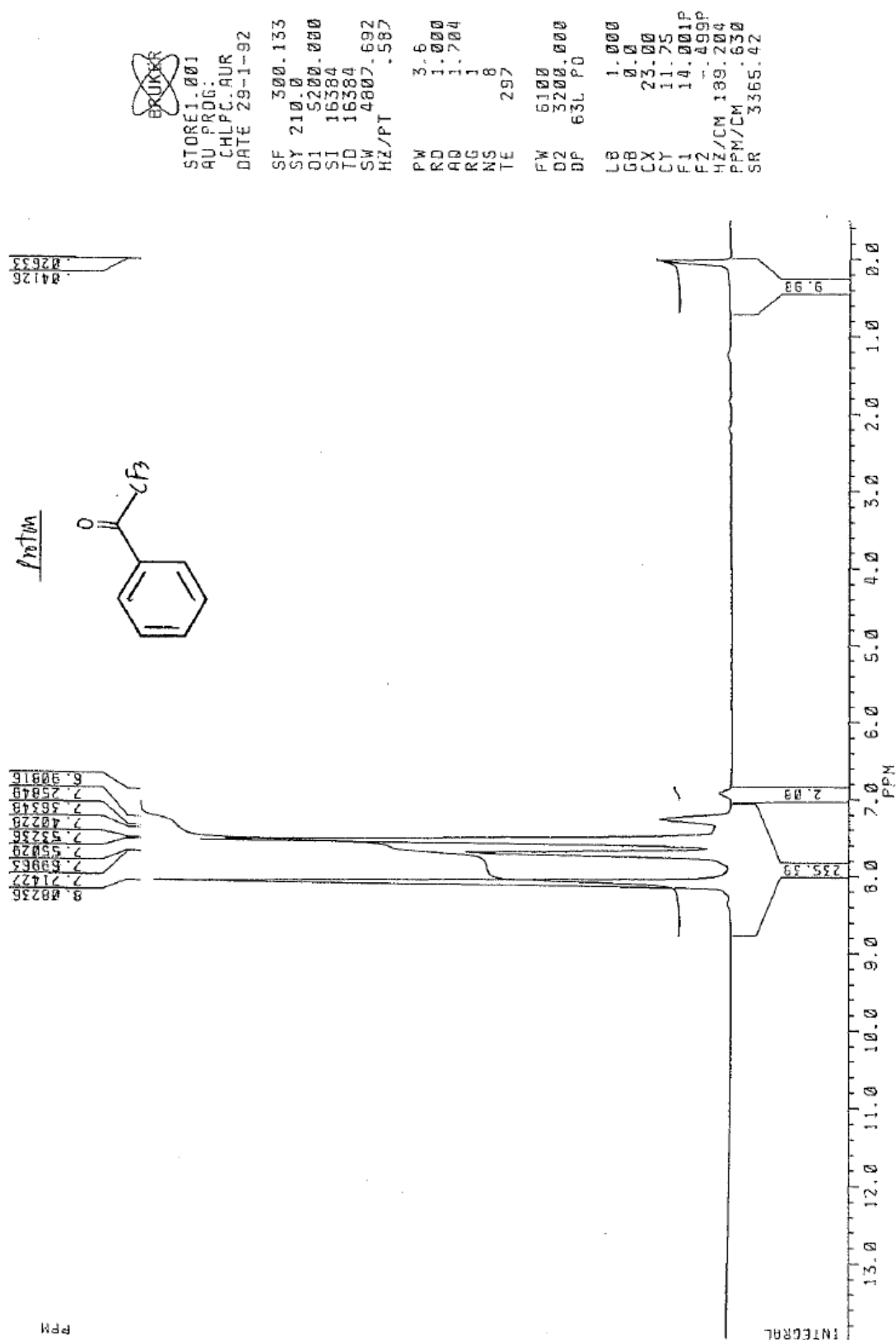


Figure S4. Carbon-13 NMR spectrum of Related Product Trifluoroacetophenone (5).

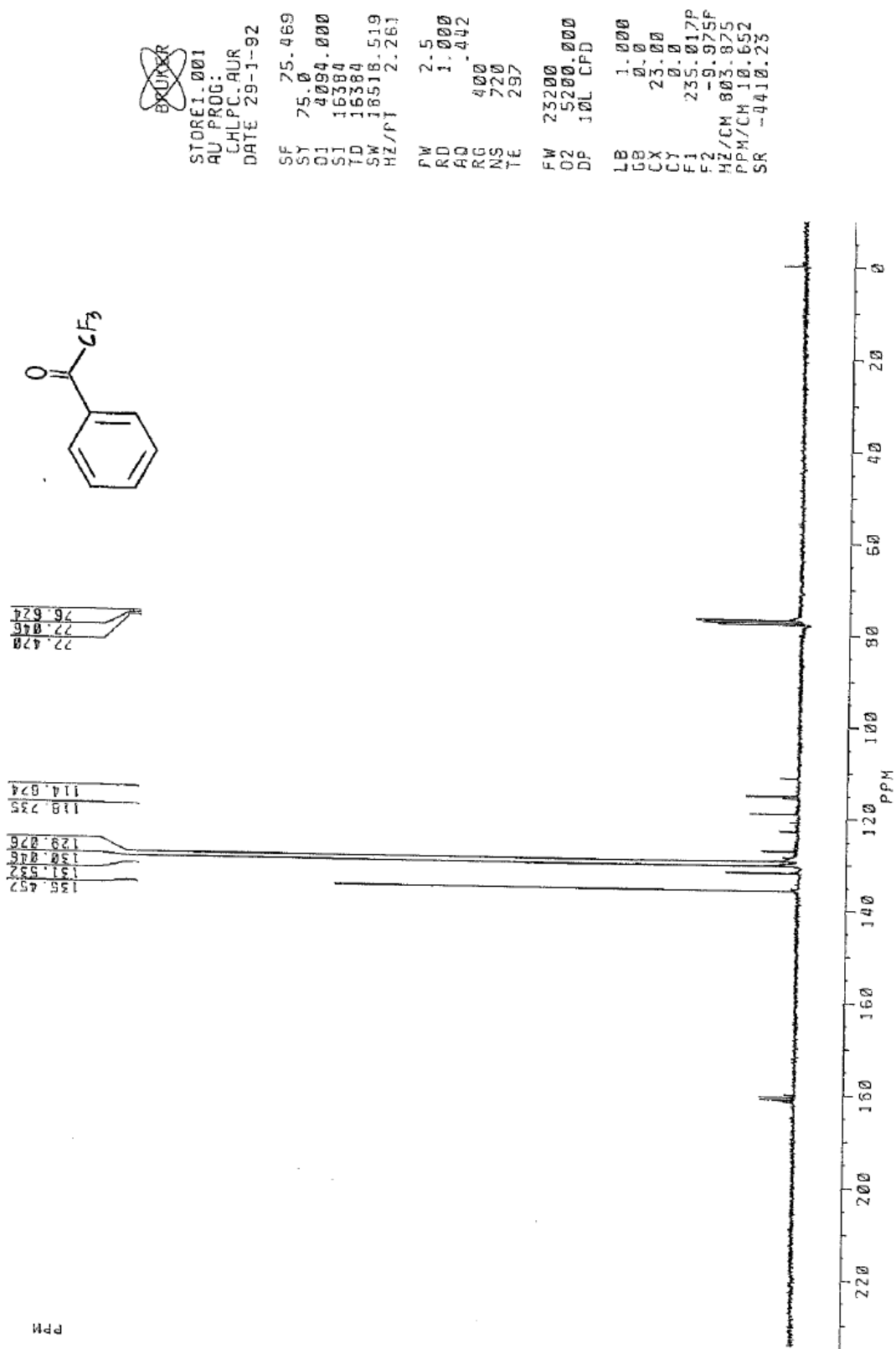
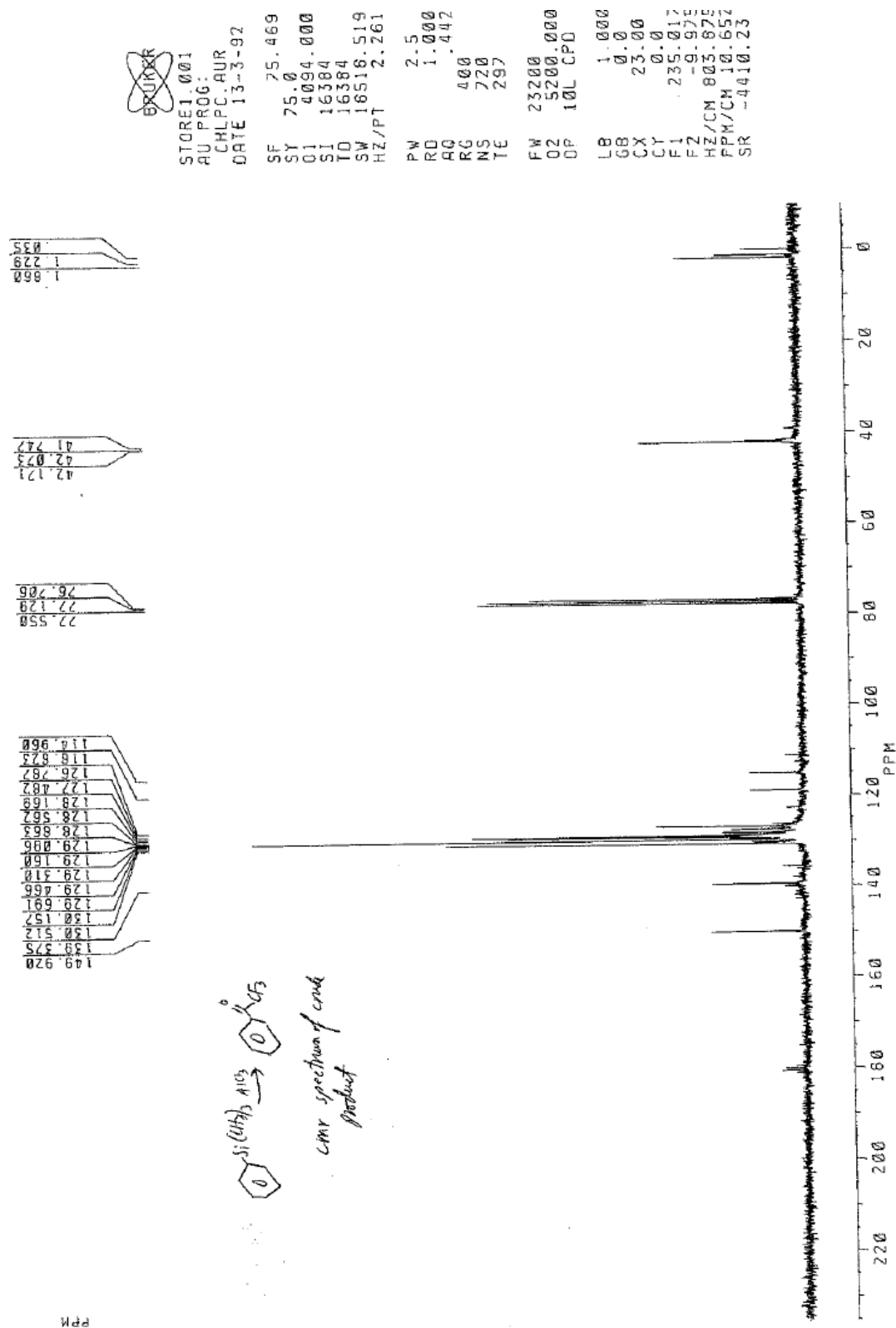


Figure S5. Proton NMR spectrum of Phenyltrimethylsilane Plus Trifluoroacetic Anhydride/Aluminum Chloride Crude Reaction Mixture.



PPM

INTEGRAL

ppm spectrum of crude product

c1ccc(cc1)S(=O)(=O)c2ccccc2
 $\xrightarrow{AlCl_3}$
c1ccc(cc1)S(=O)(=O)c2ccccc2

1.2-1.6 ppm (multiplet, 1H)
 2.4-2.6 ppm (multiplet, 2H)
 4.0-4.2 ppm (multiplet, 2H)
 7.0-7.8 ppm (multiplet, 10H)
 7.9-8.0 ppm (multiplet, 1H)

