

Electronic Supplementary Information

Solution-phase-peptide synthesis *via* the Group-Assisted Purification (GAP) chemistry without using chromatography and recrystallization[†]

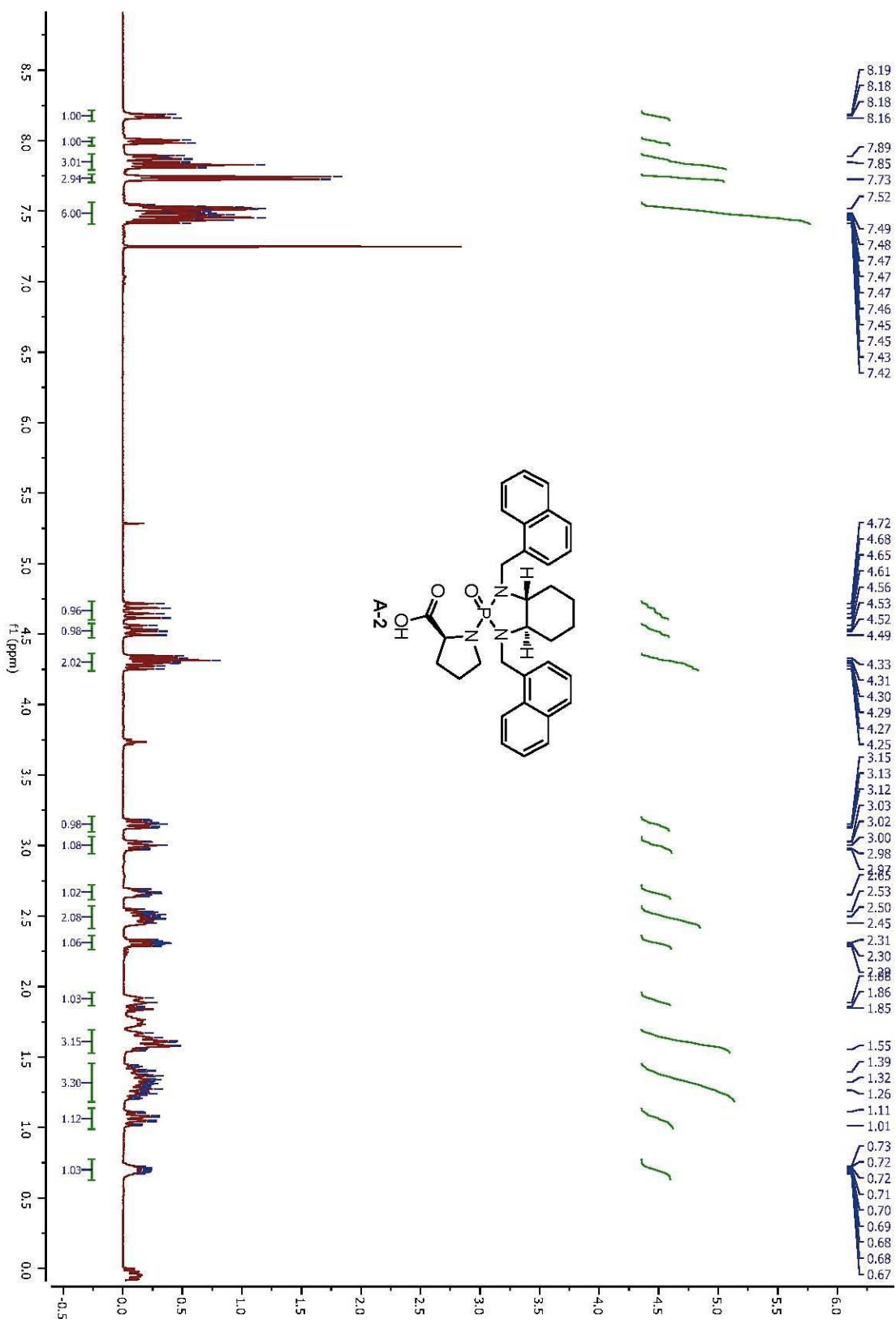
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& Guigen Li^{a,b,*}

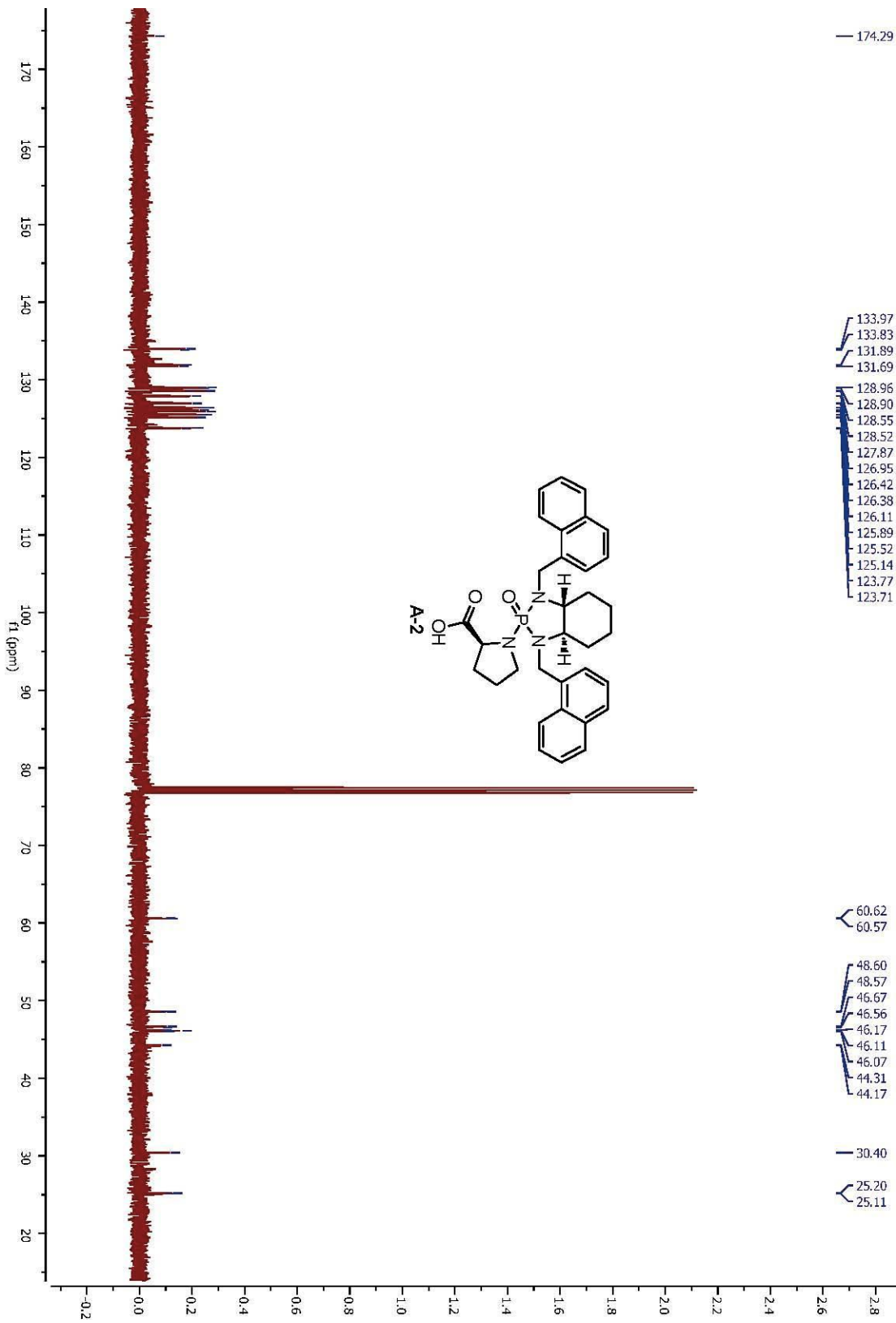
^aInstitute of Chemistry & BioMedical Sciences, Nanjing University, Nanjing 210093, P. R. China;

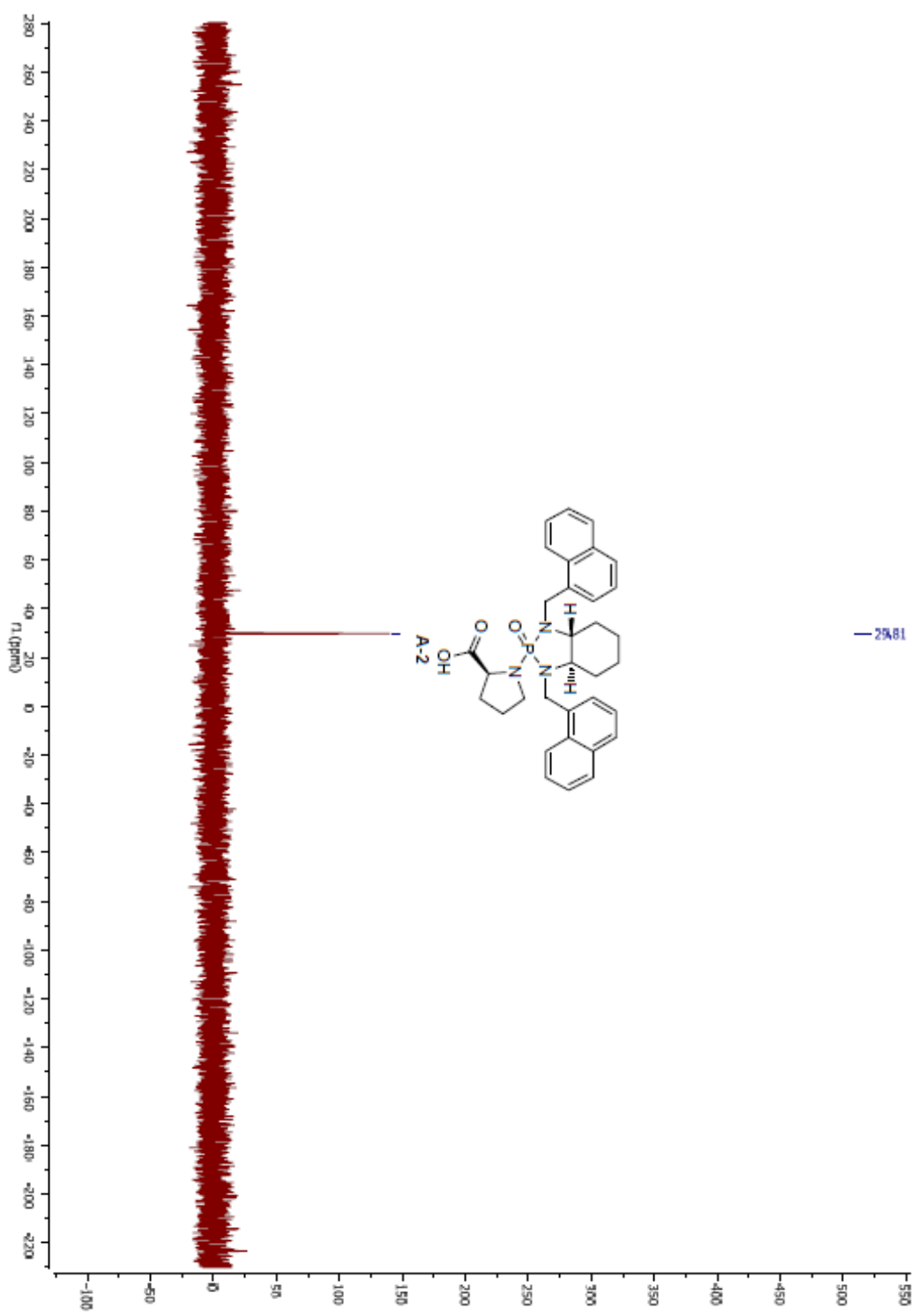
^bDepartment of Chemistry and Biochemistry, Texas Tech University, Lubbock, TX 79409-1061, USA.

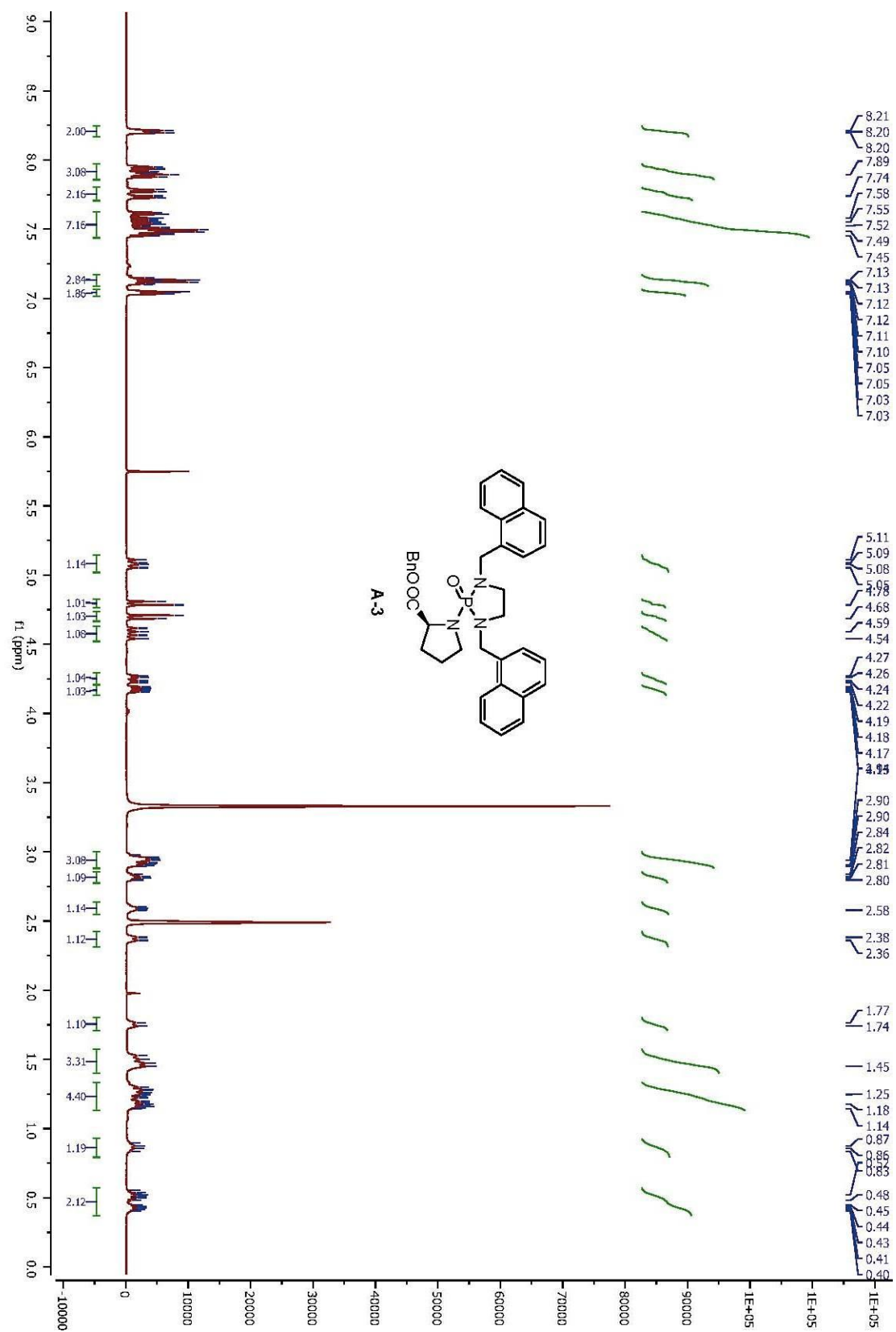
Corresponding should be addressed to G.L. (guigenli@nju.edu.cn; guigen.li@ttu.edu).

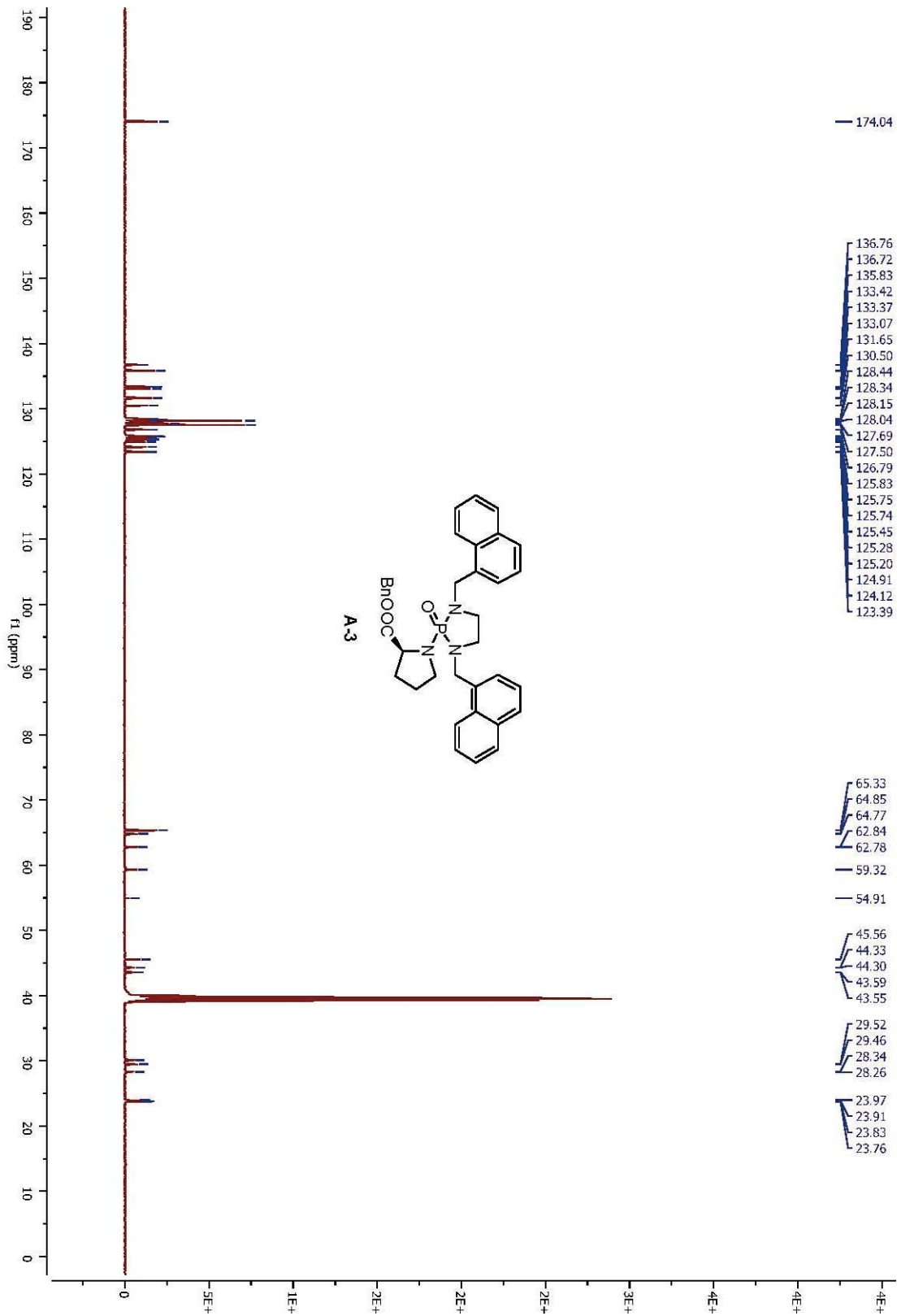
¹H NMR, ¹³C NMR and ³¹P NMR spectra of products **A2-A5**, **I-1a**, **I-2**, **I-2a-I-2j**, **I-3a** and **1**.
Mass spectra of products **I-1a**, **I-2**, **I-2a-I-2j**, **I-3a** and **1**.

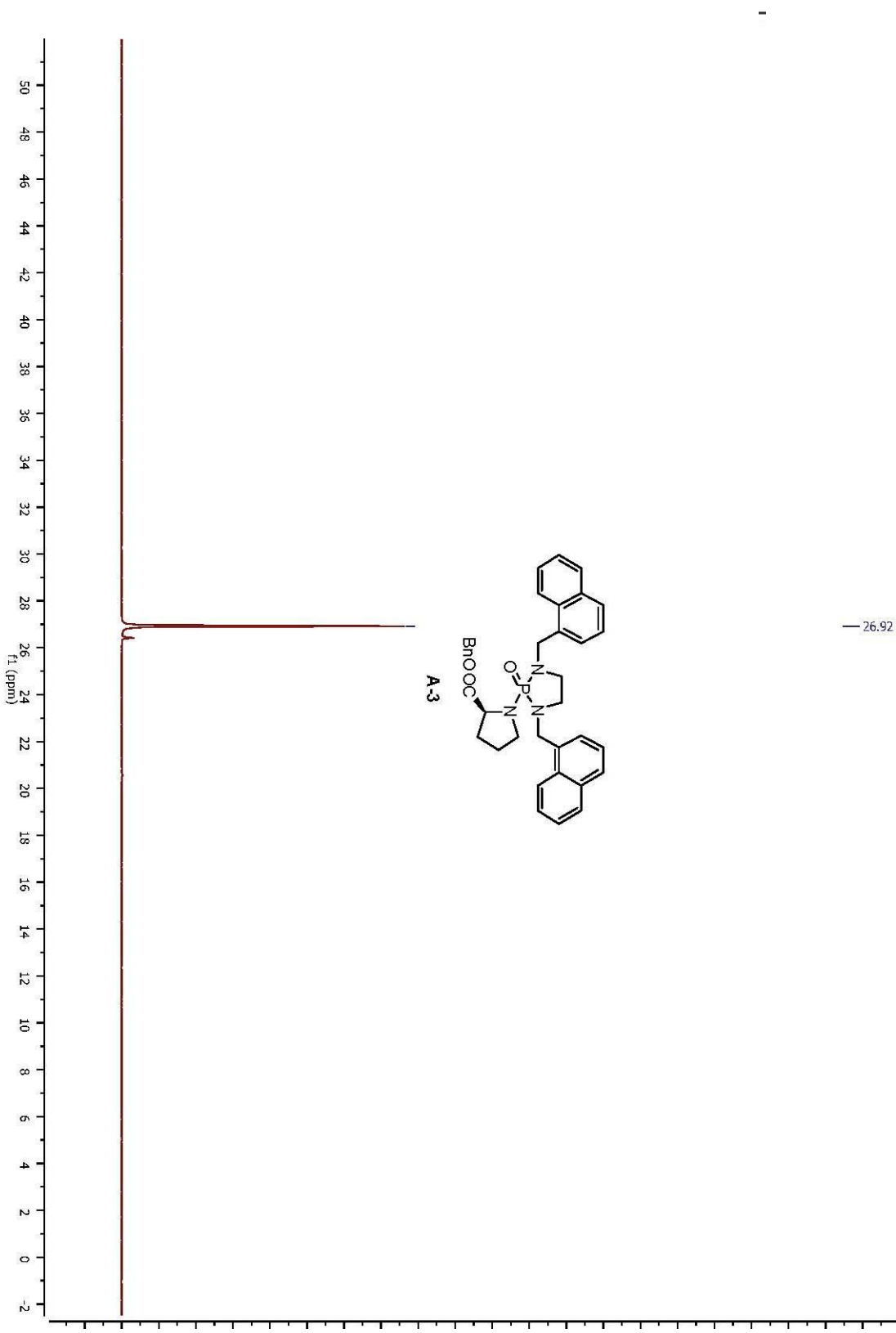


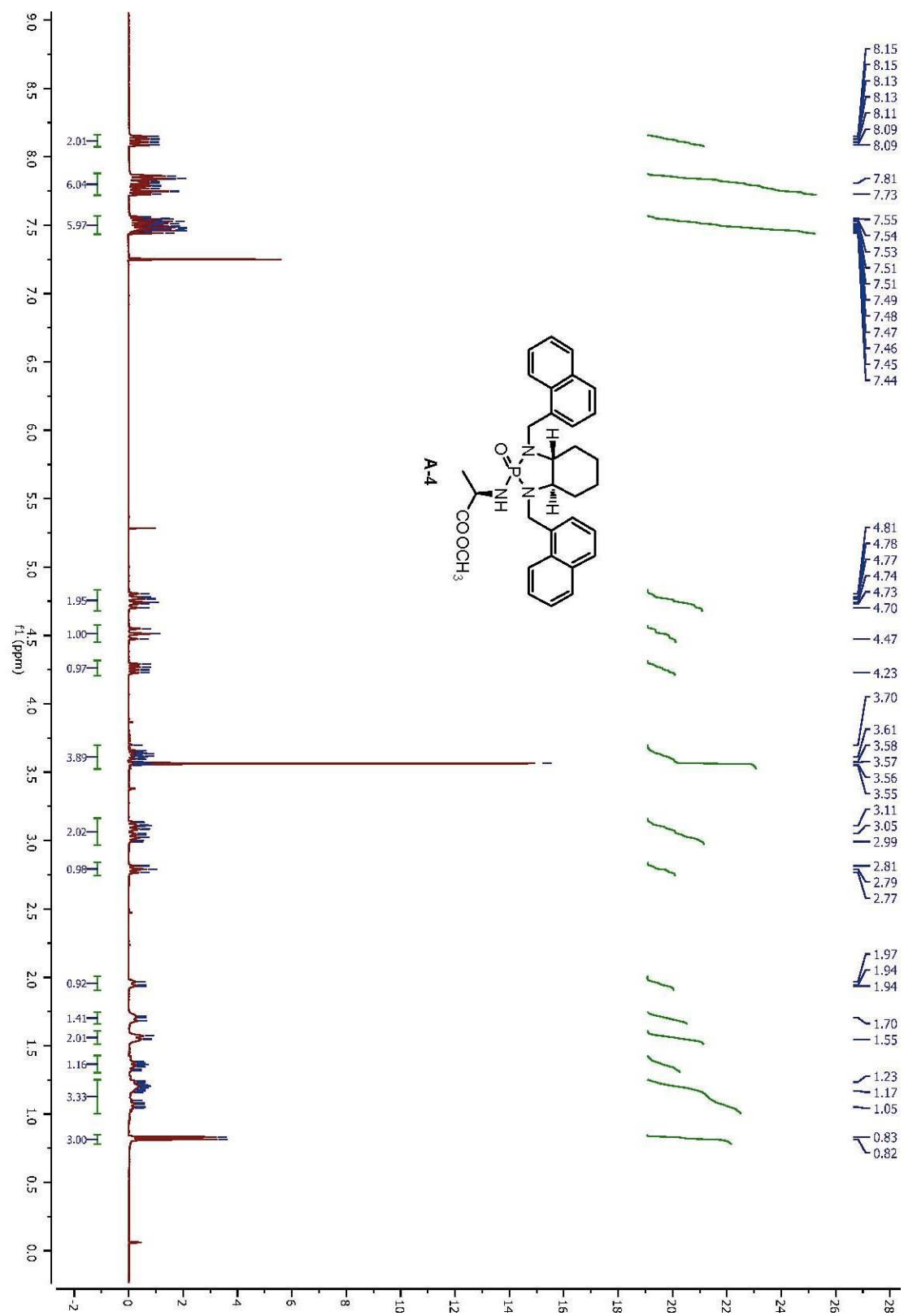


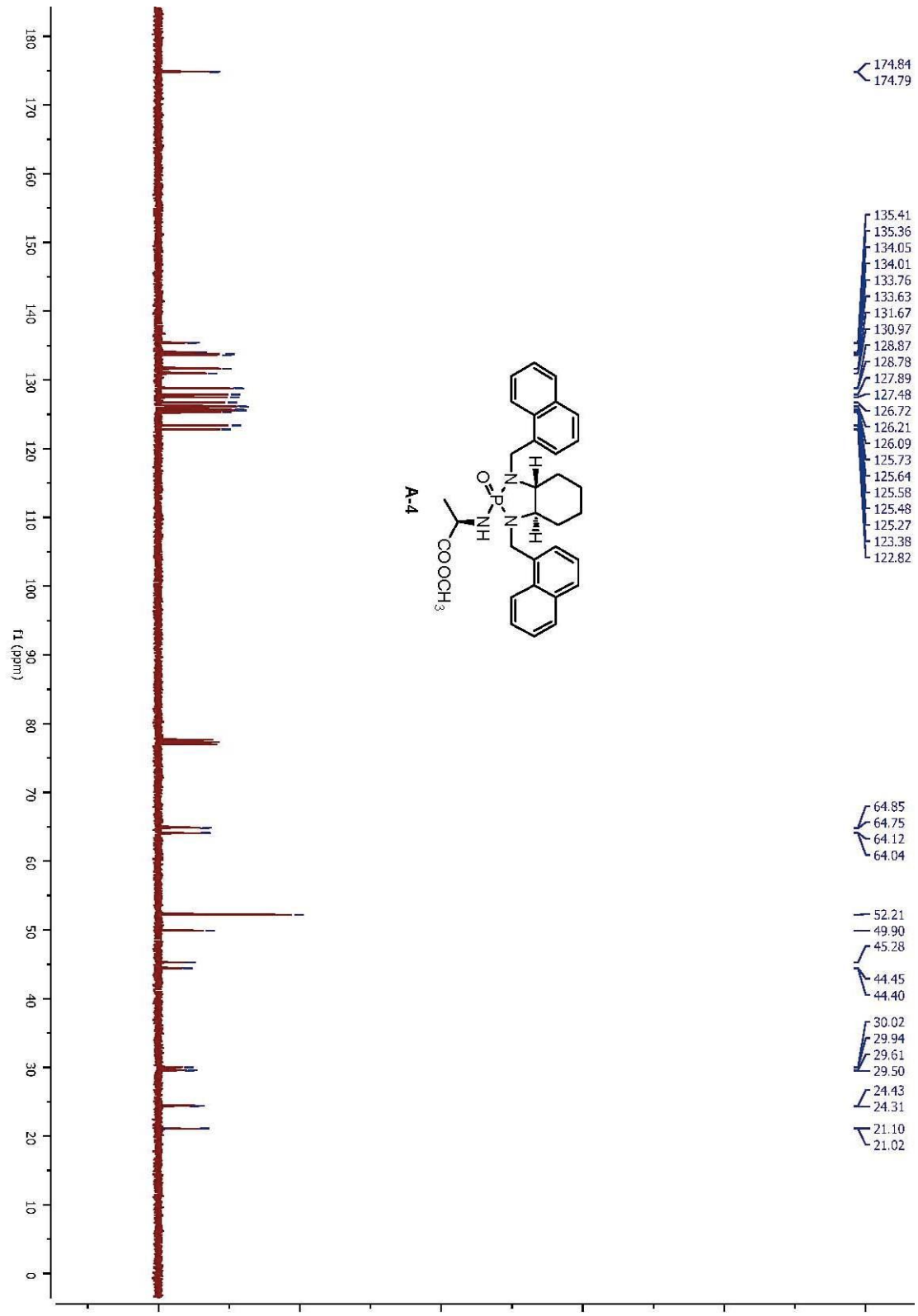


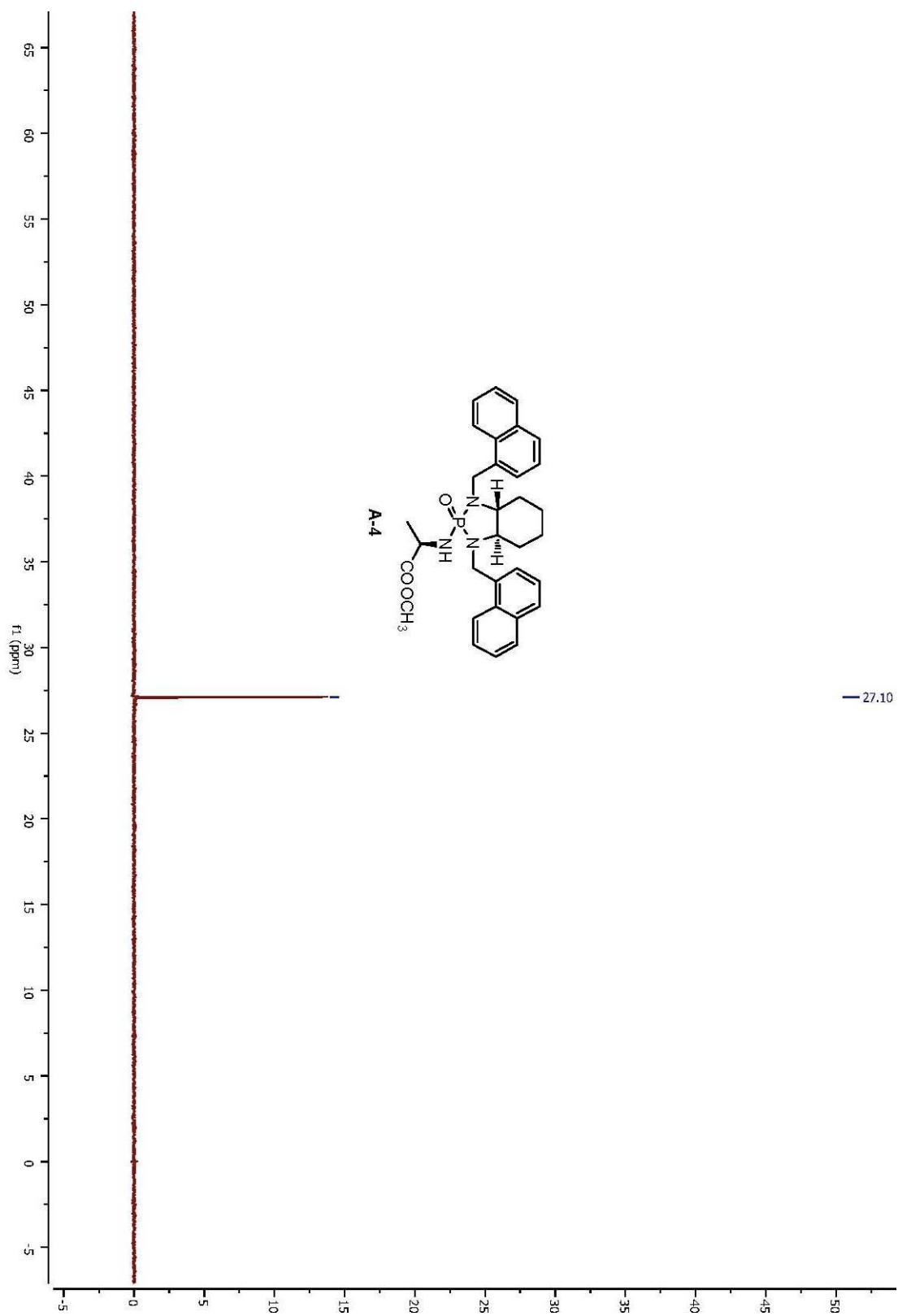


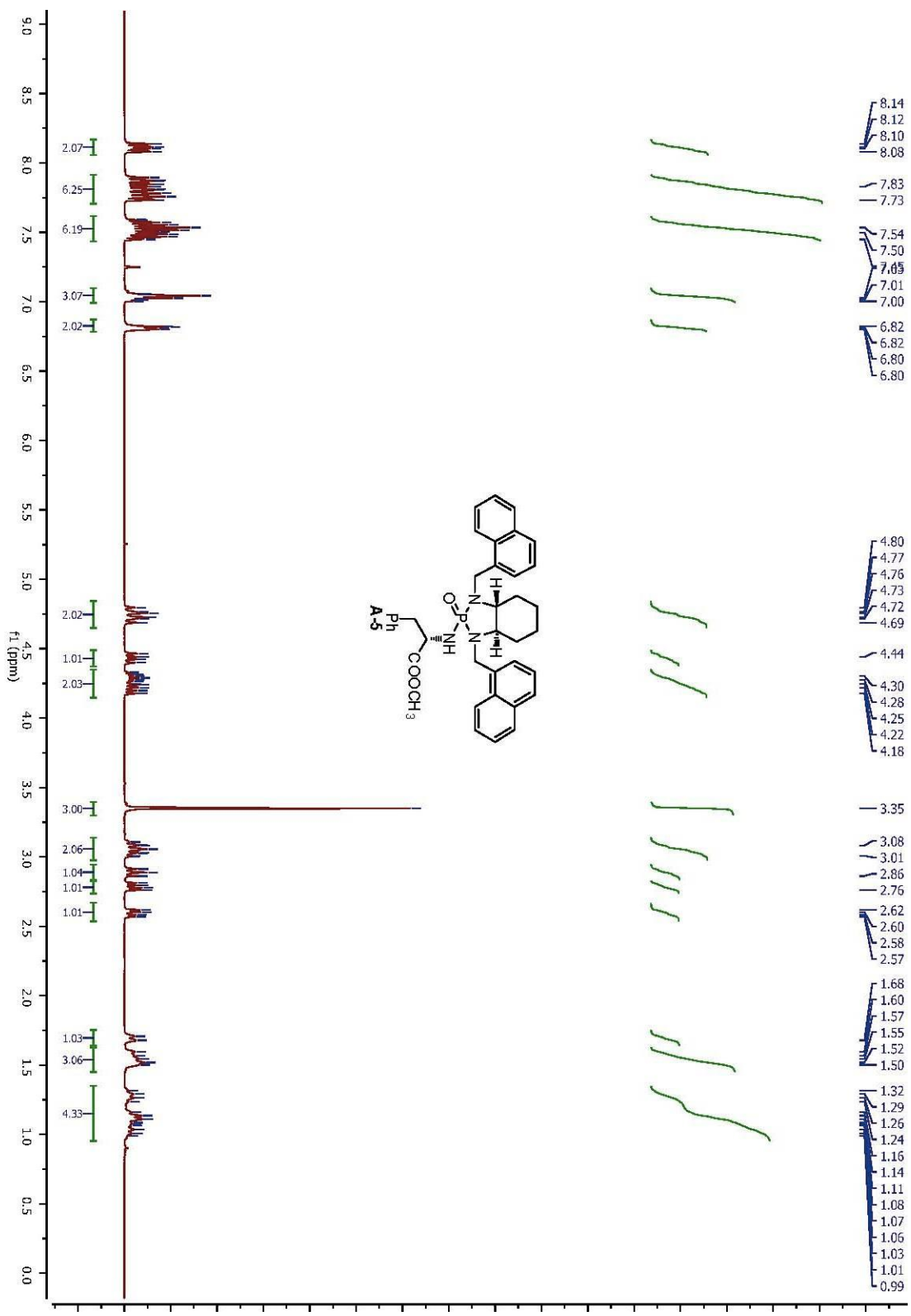


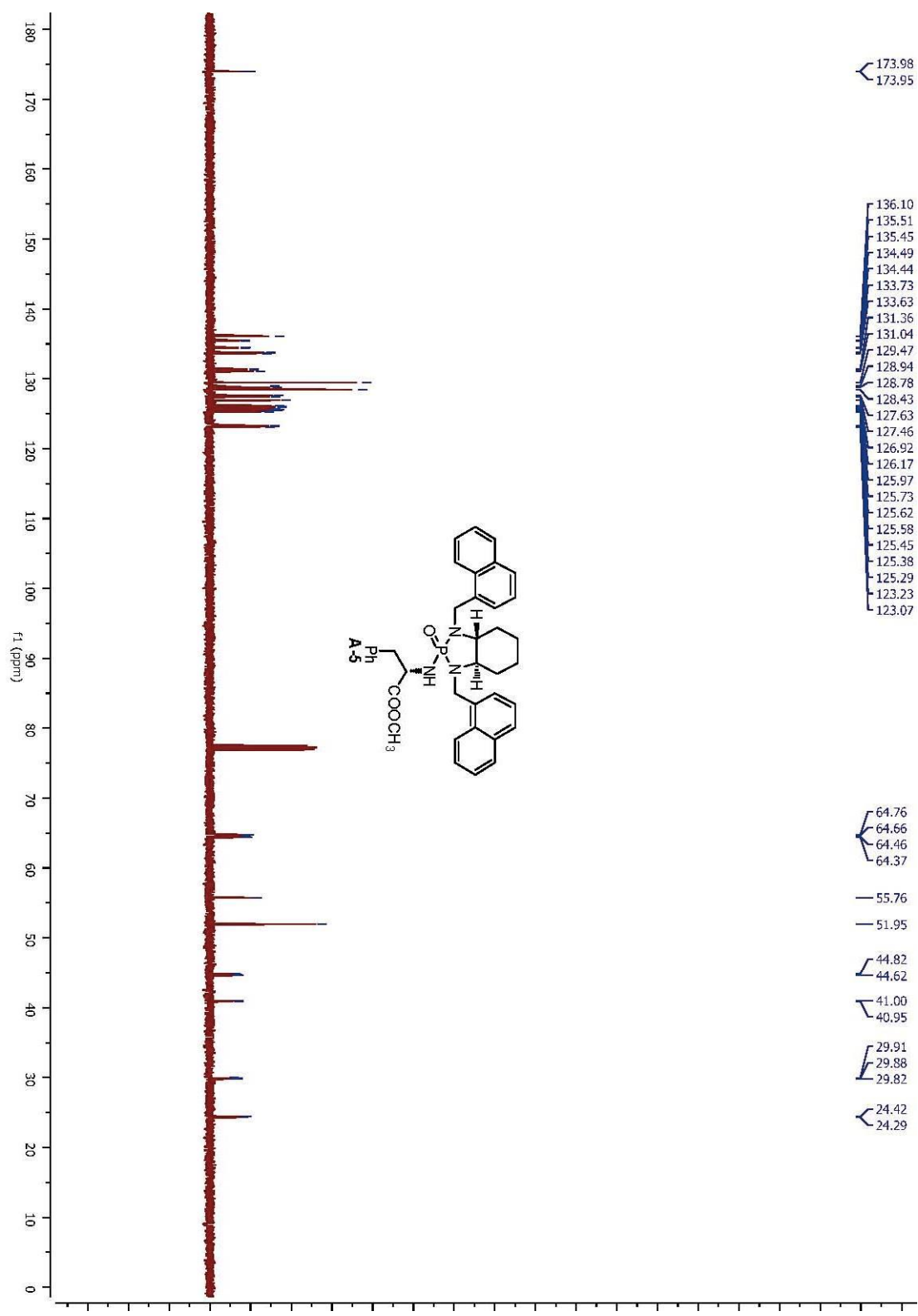


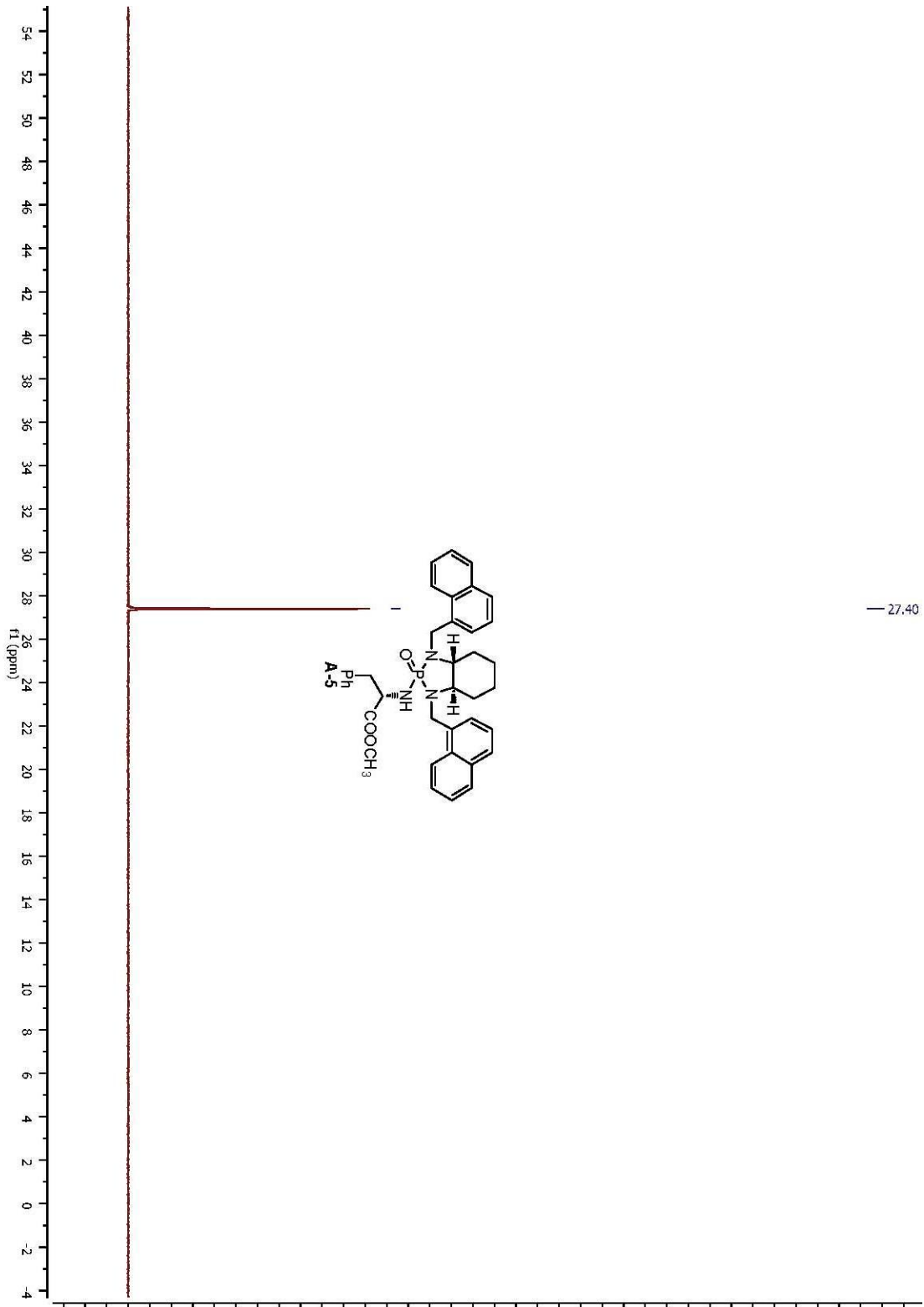


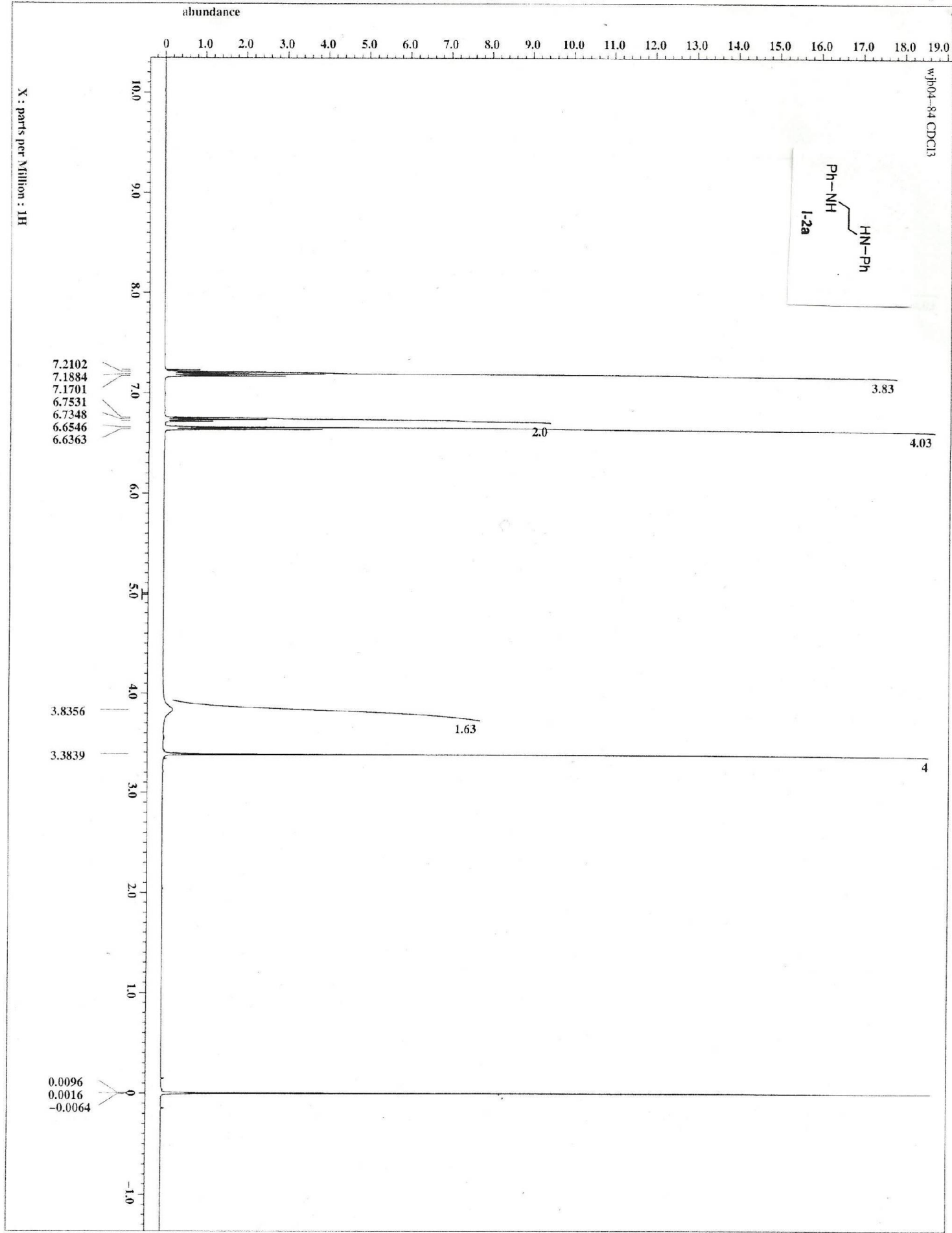


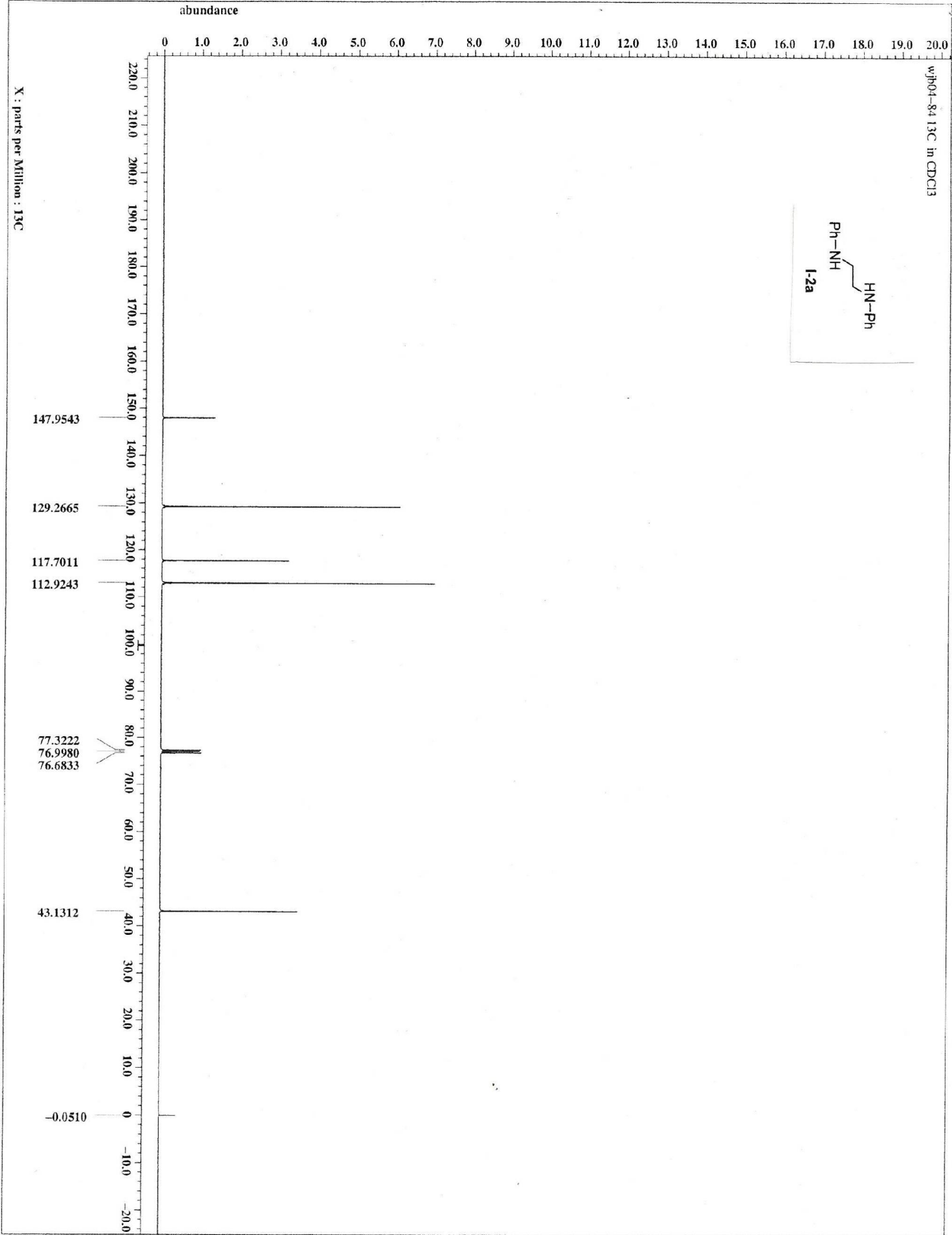






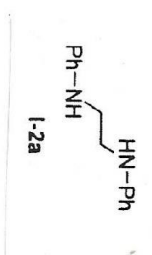
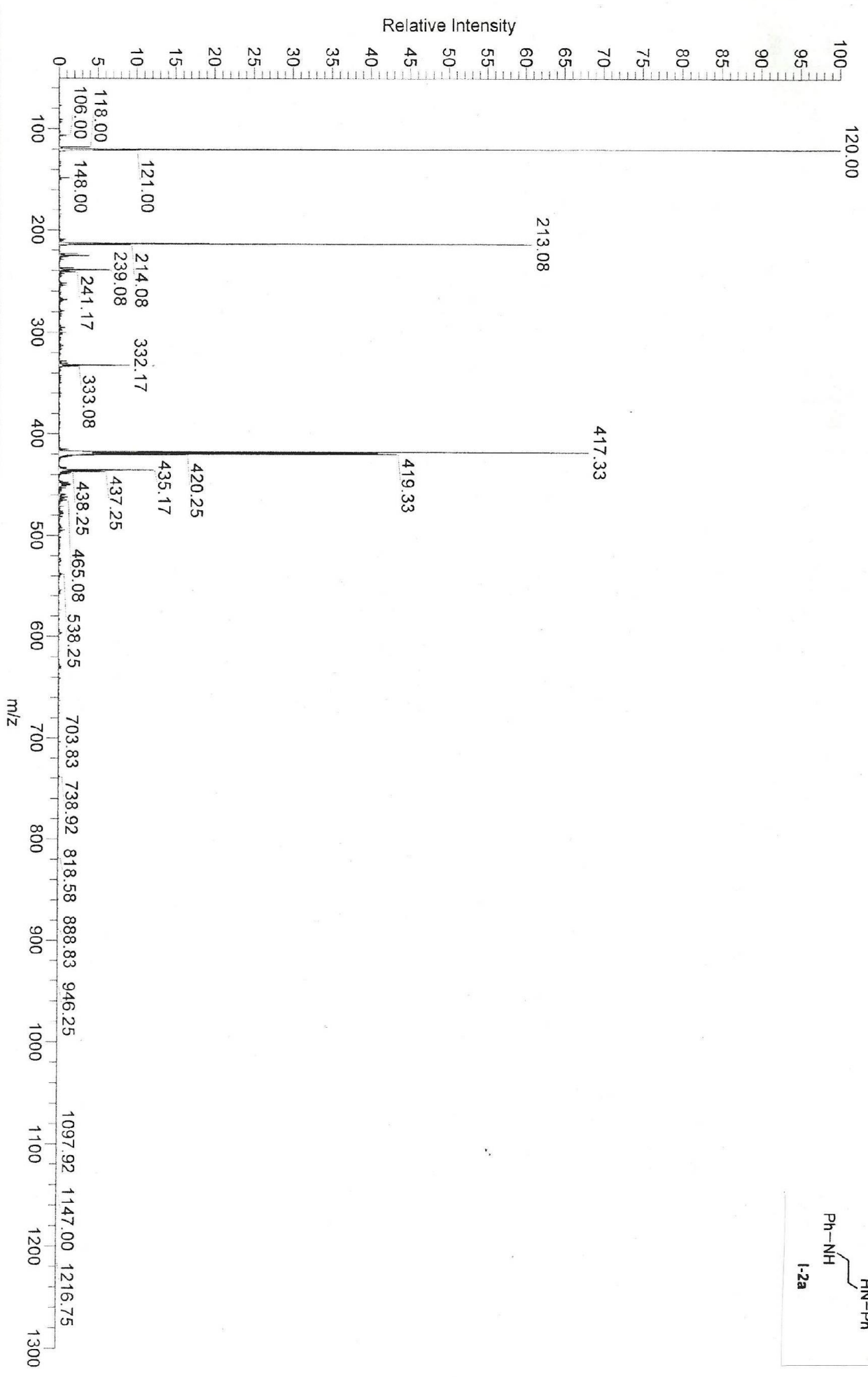


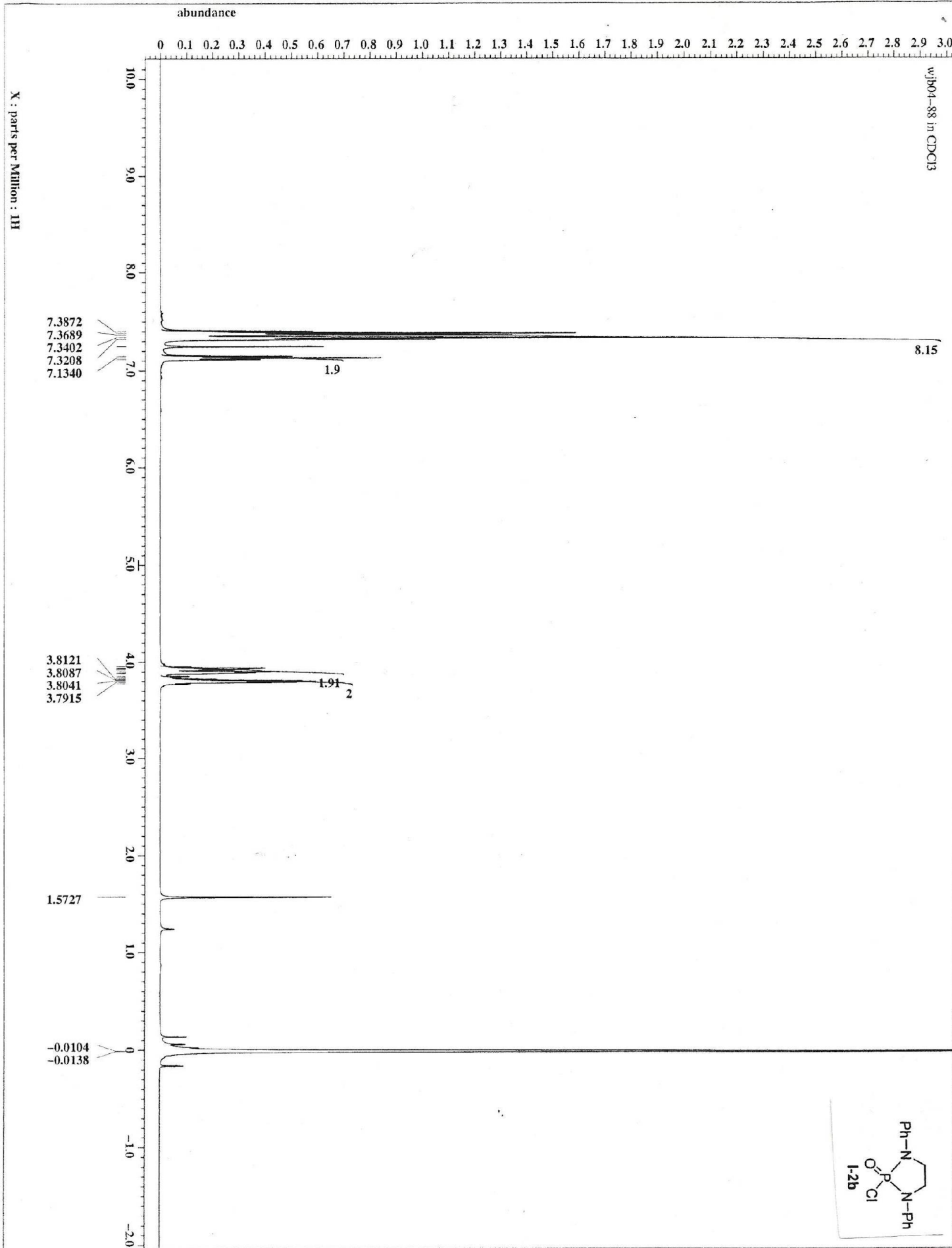


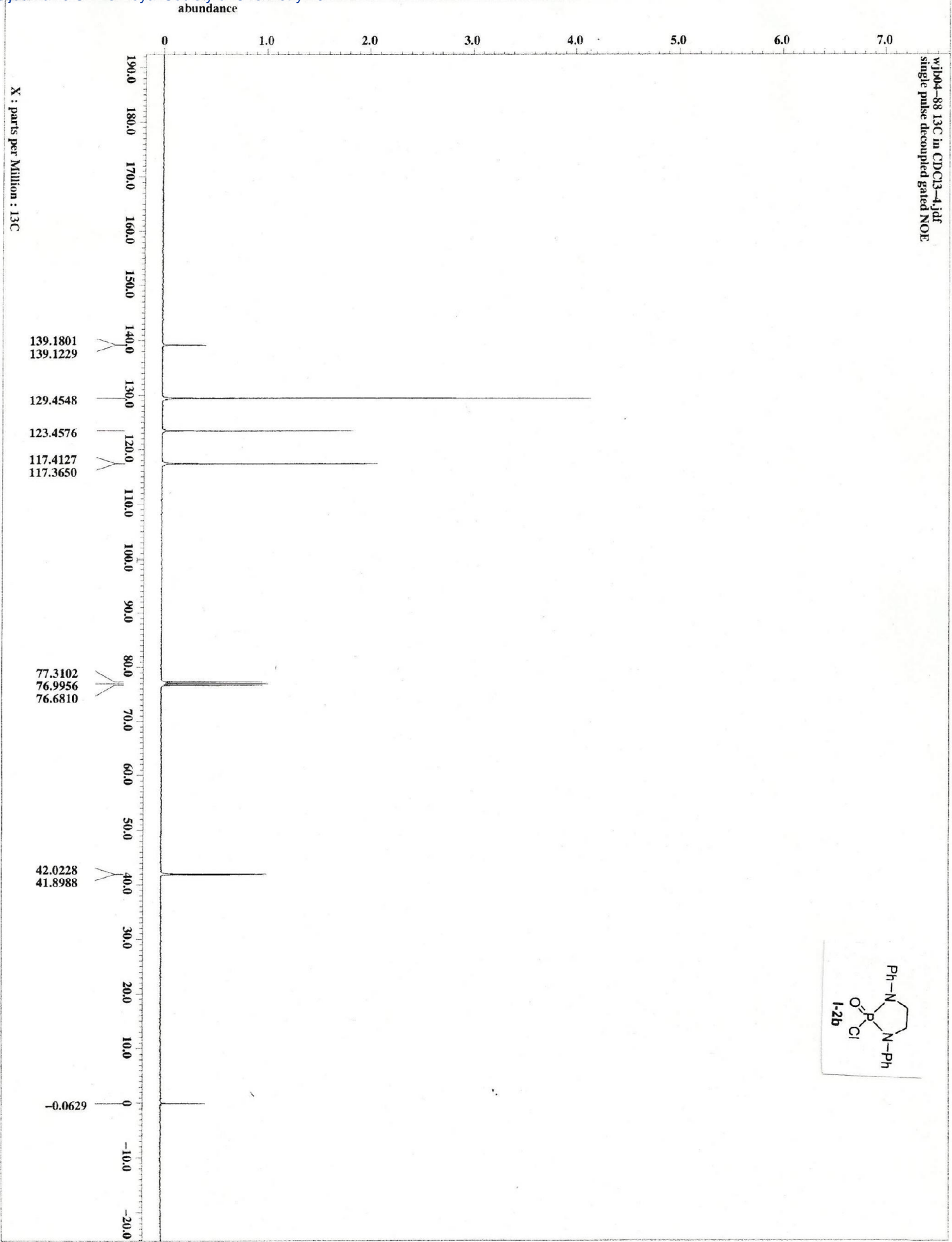


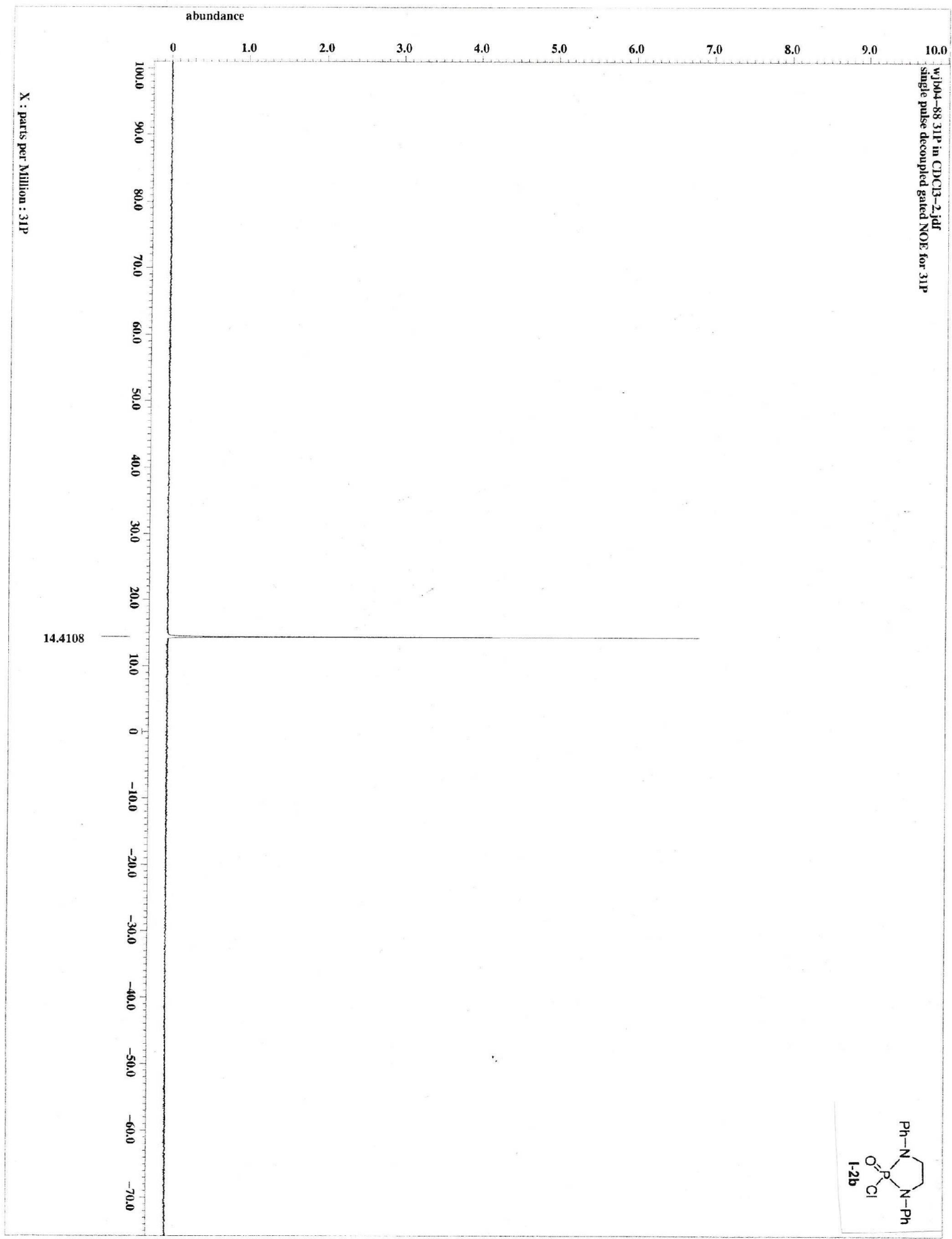
UJB 04-84

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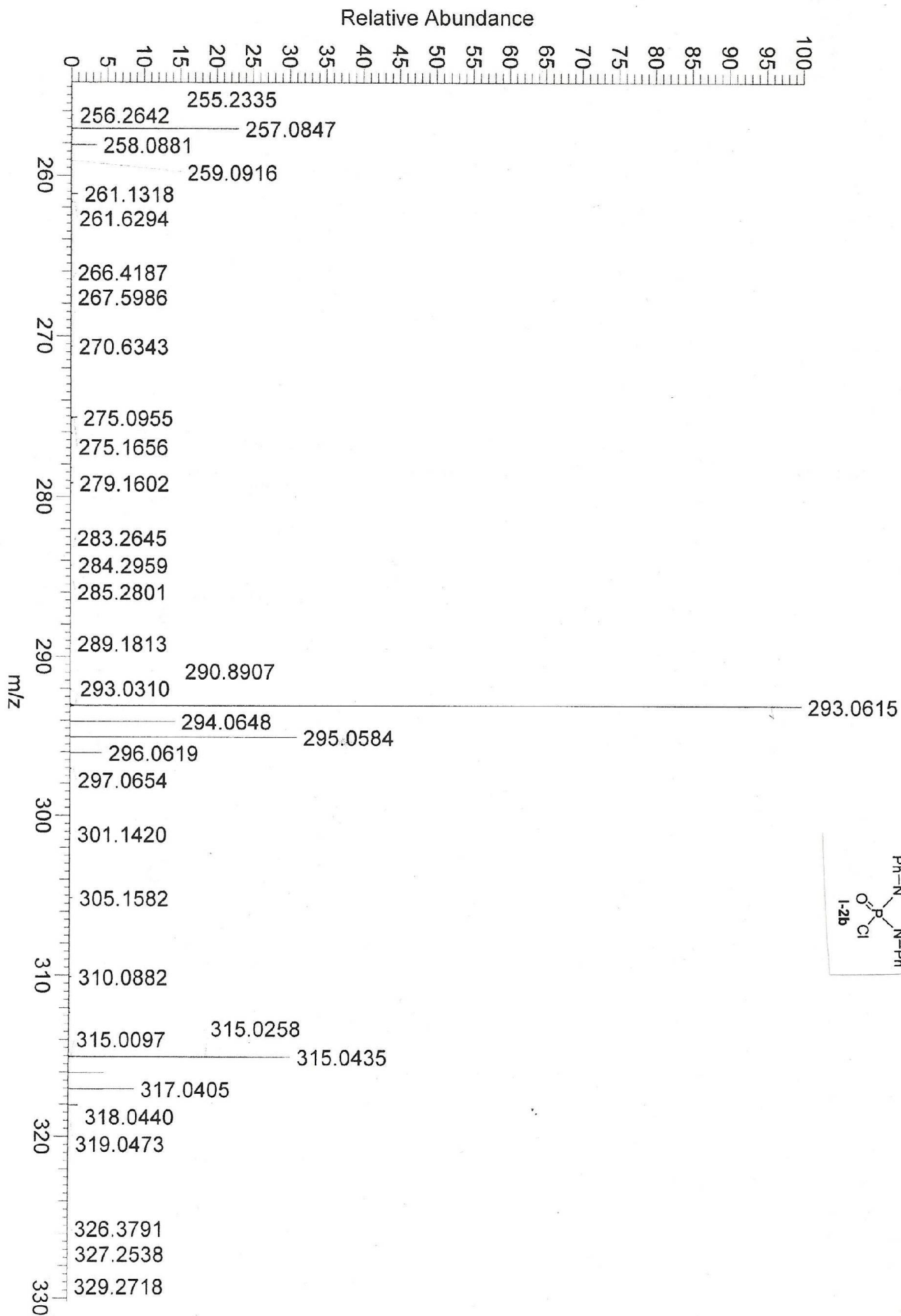


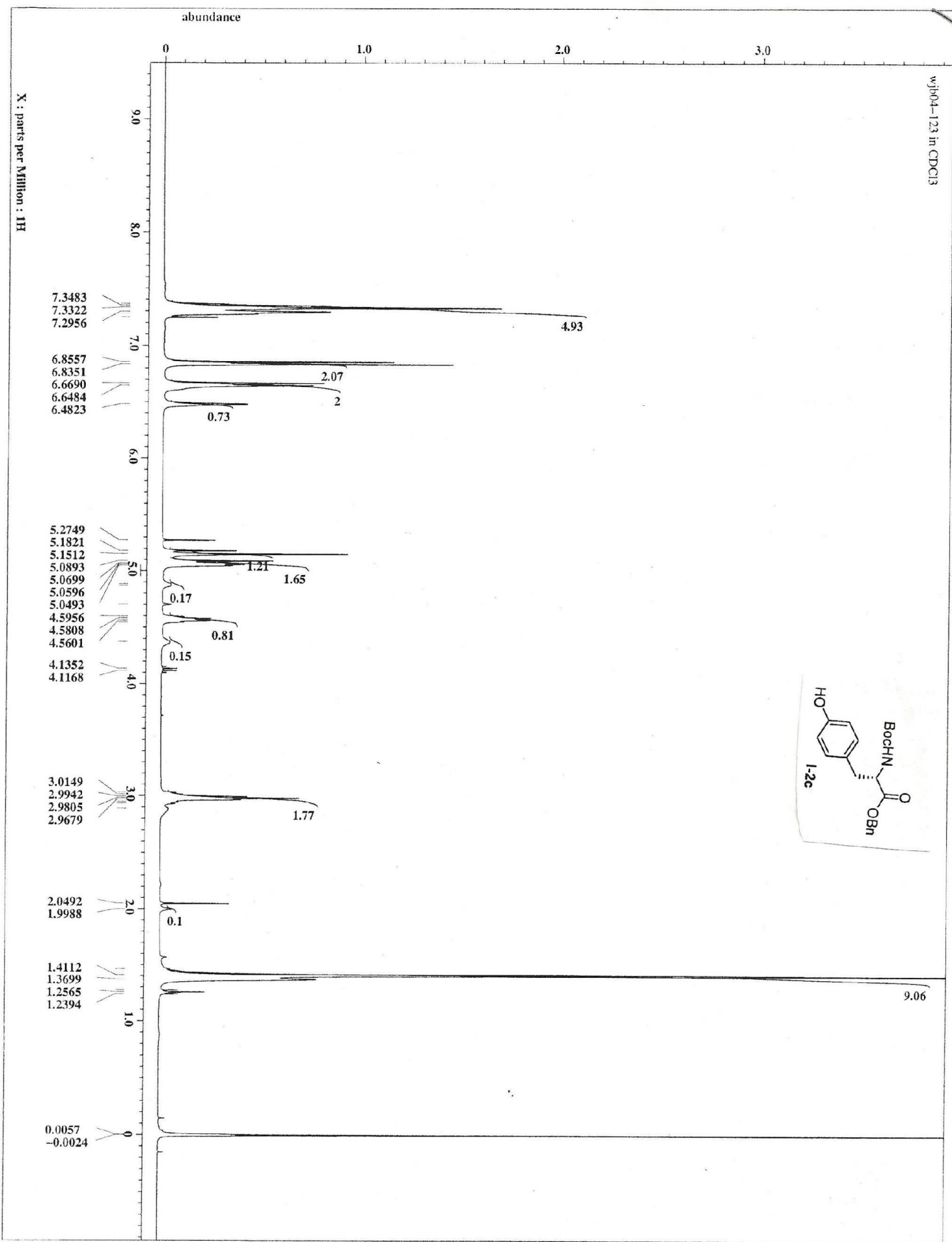


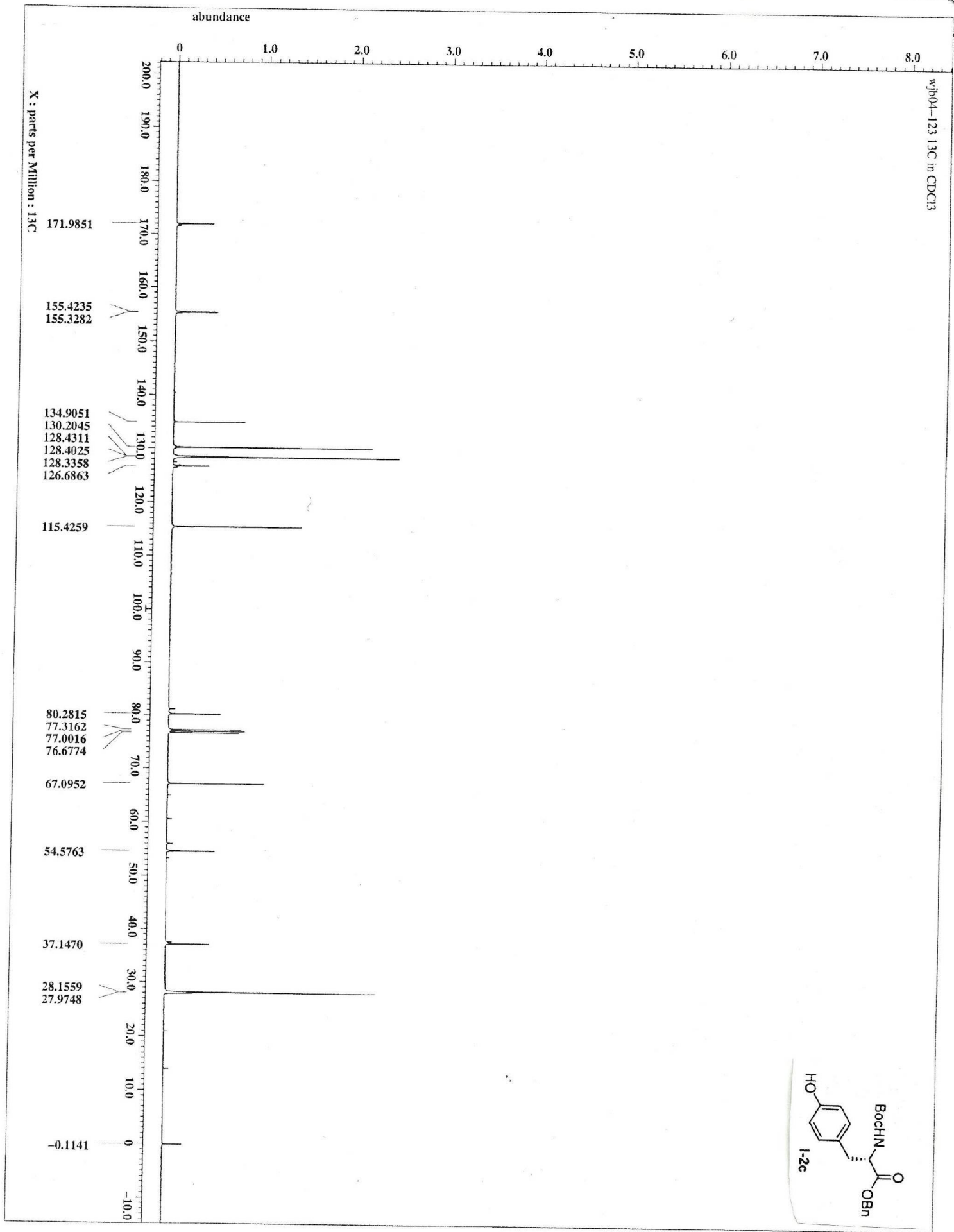




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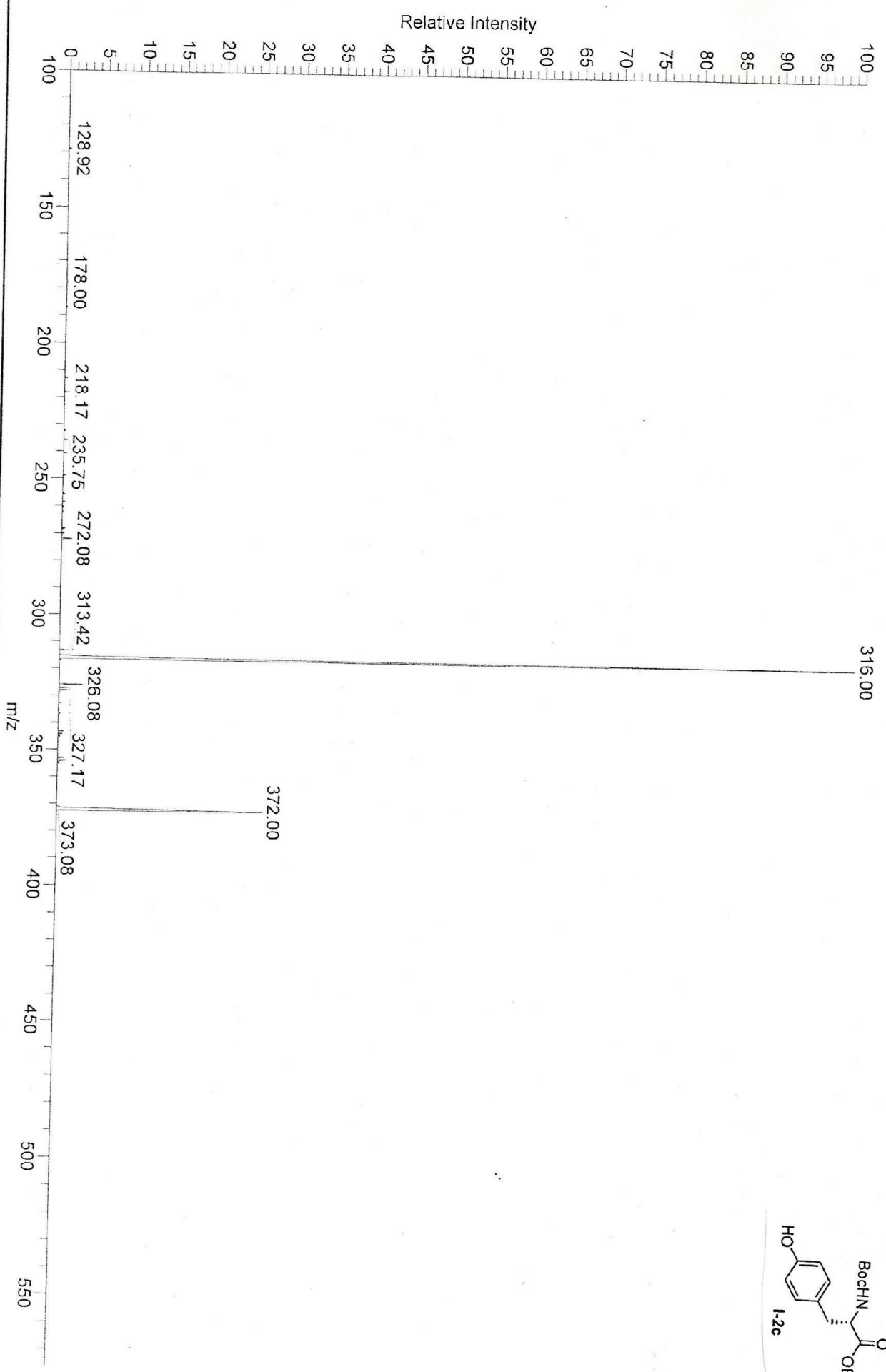
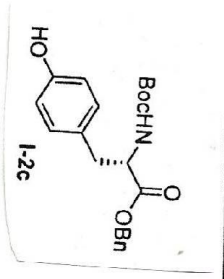




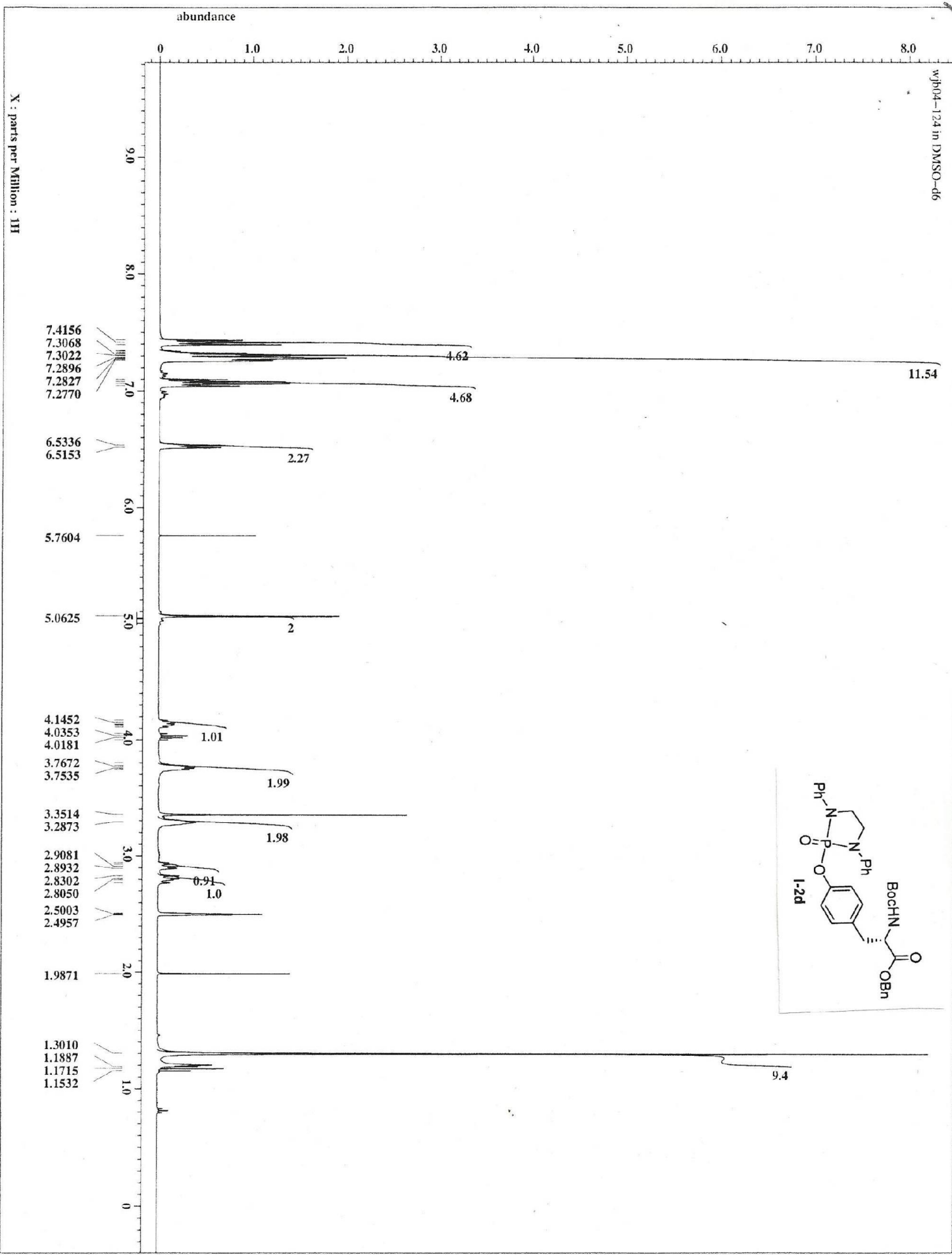


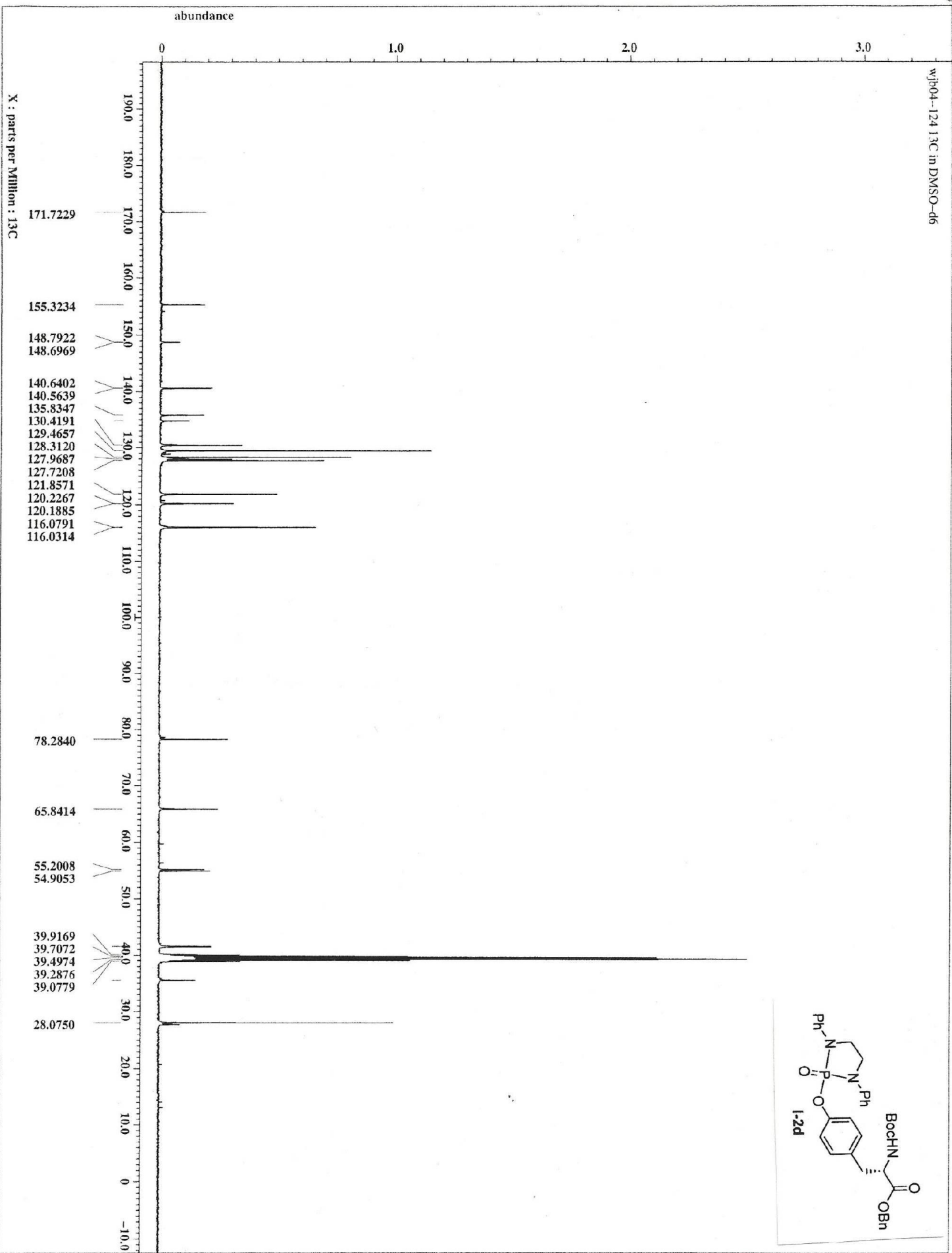
#115 RT: 0.959 AV: 3 IT: 100.000 ST: 1.40 uS: 4 NL: 6.15E1
F: ITMS+ p ESI Full ms2 372.00@cid20.00 [100.00-1300.00]

wjB 04 - 123

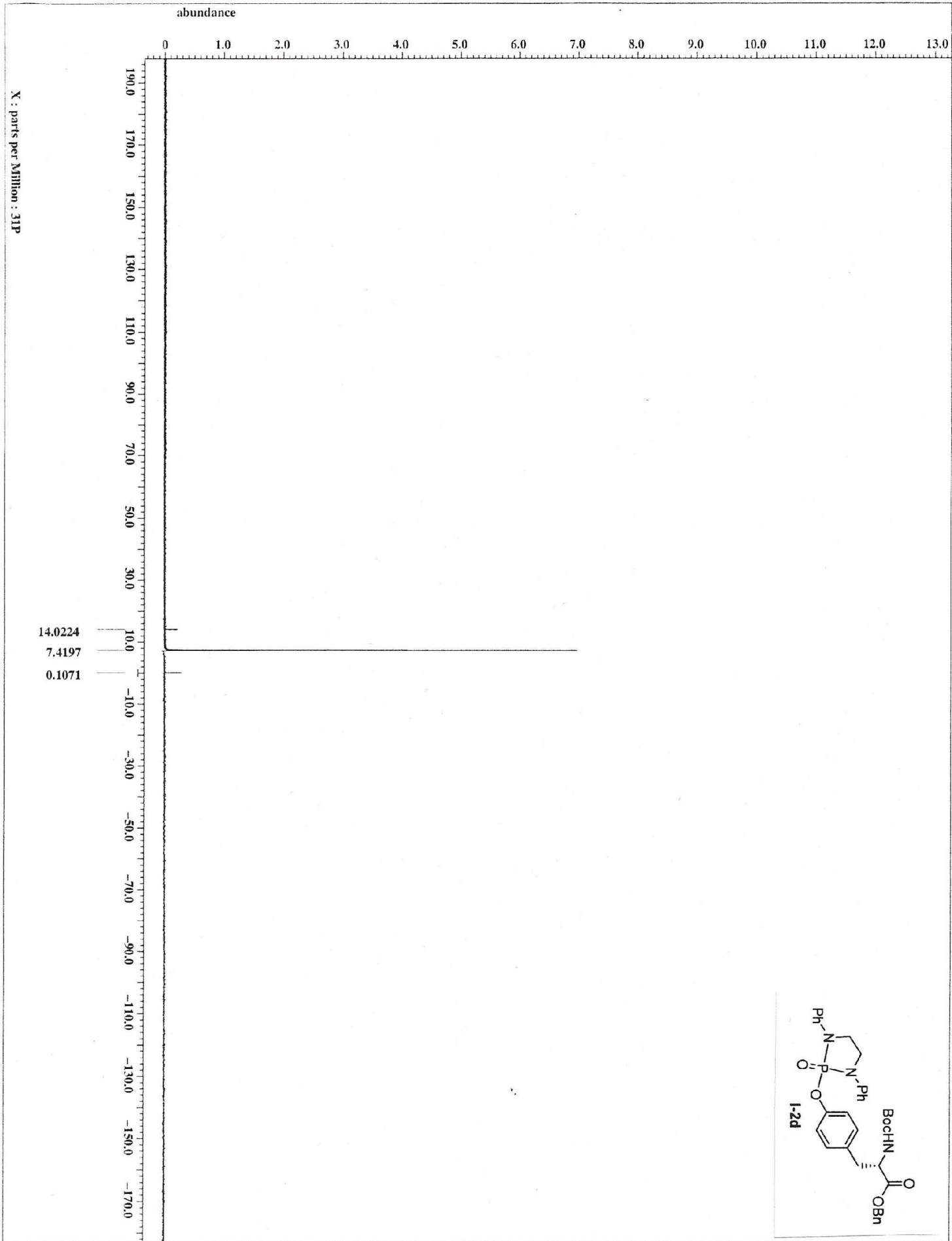


LTO Tune rev. LCO Fleet 2.6.0 SP3

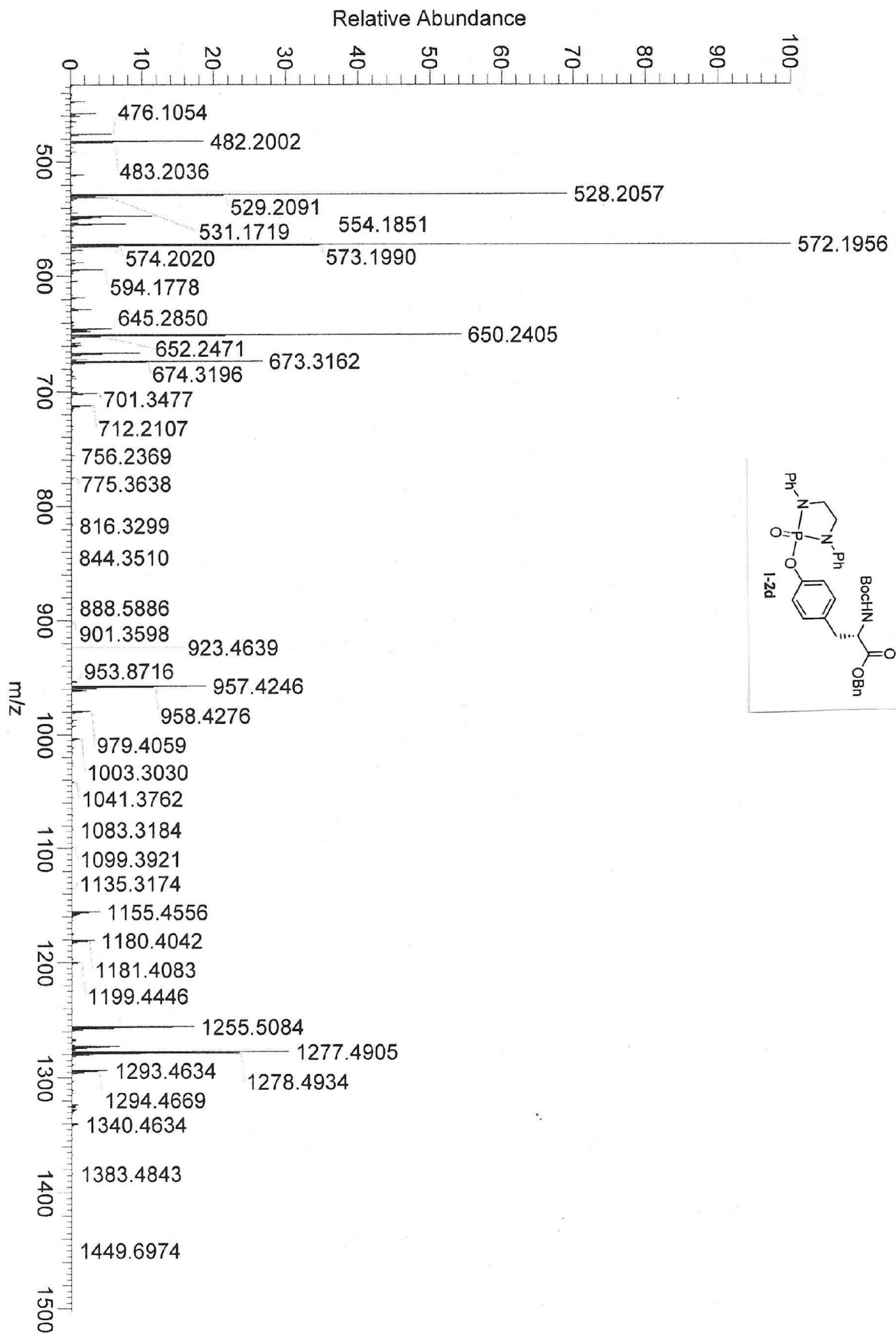


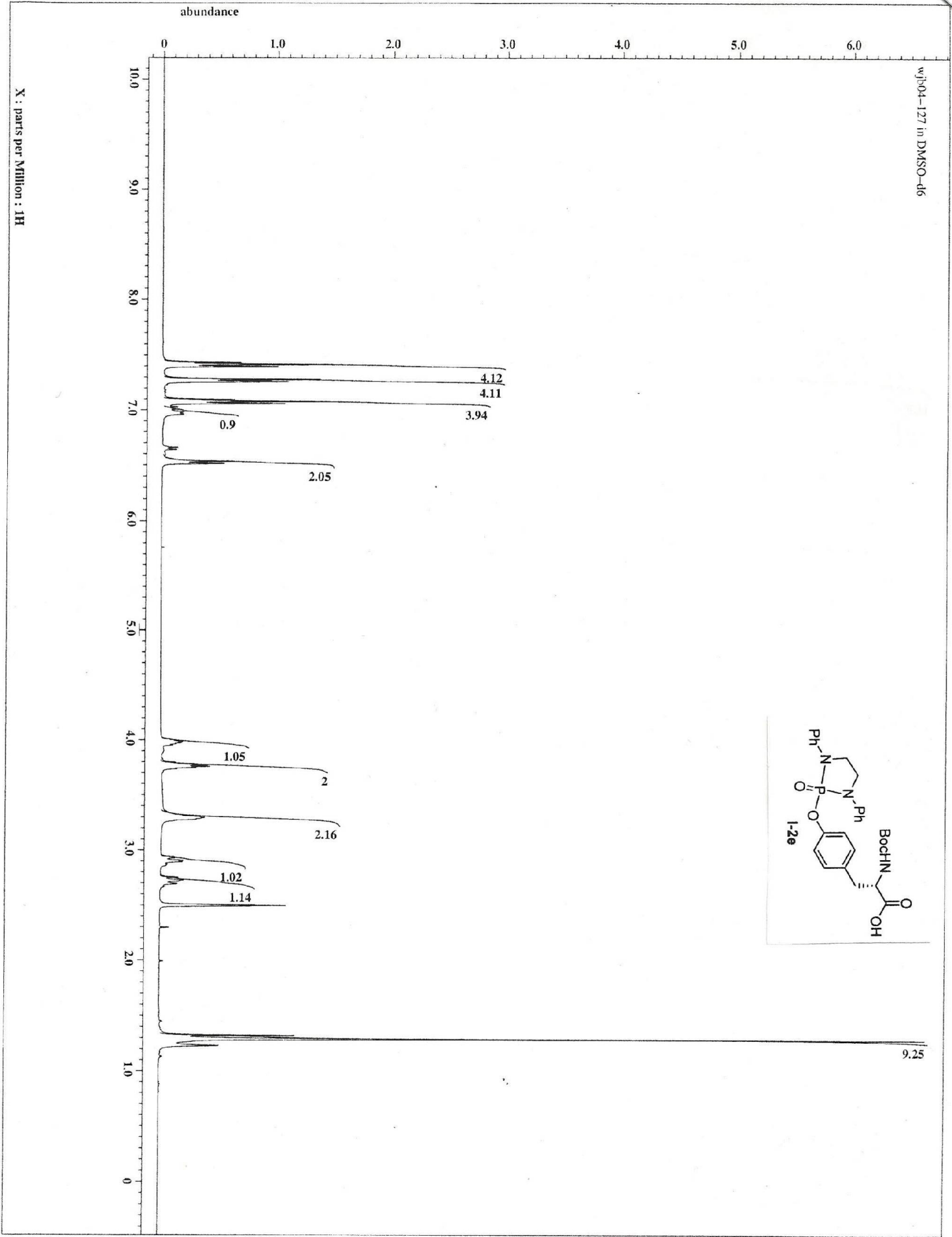


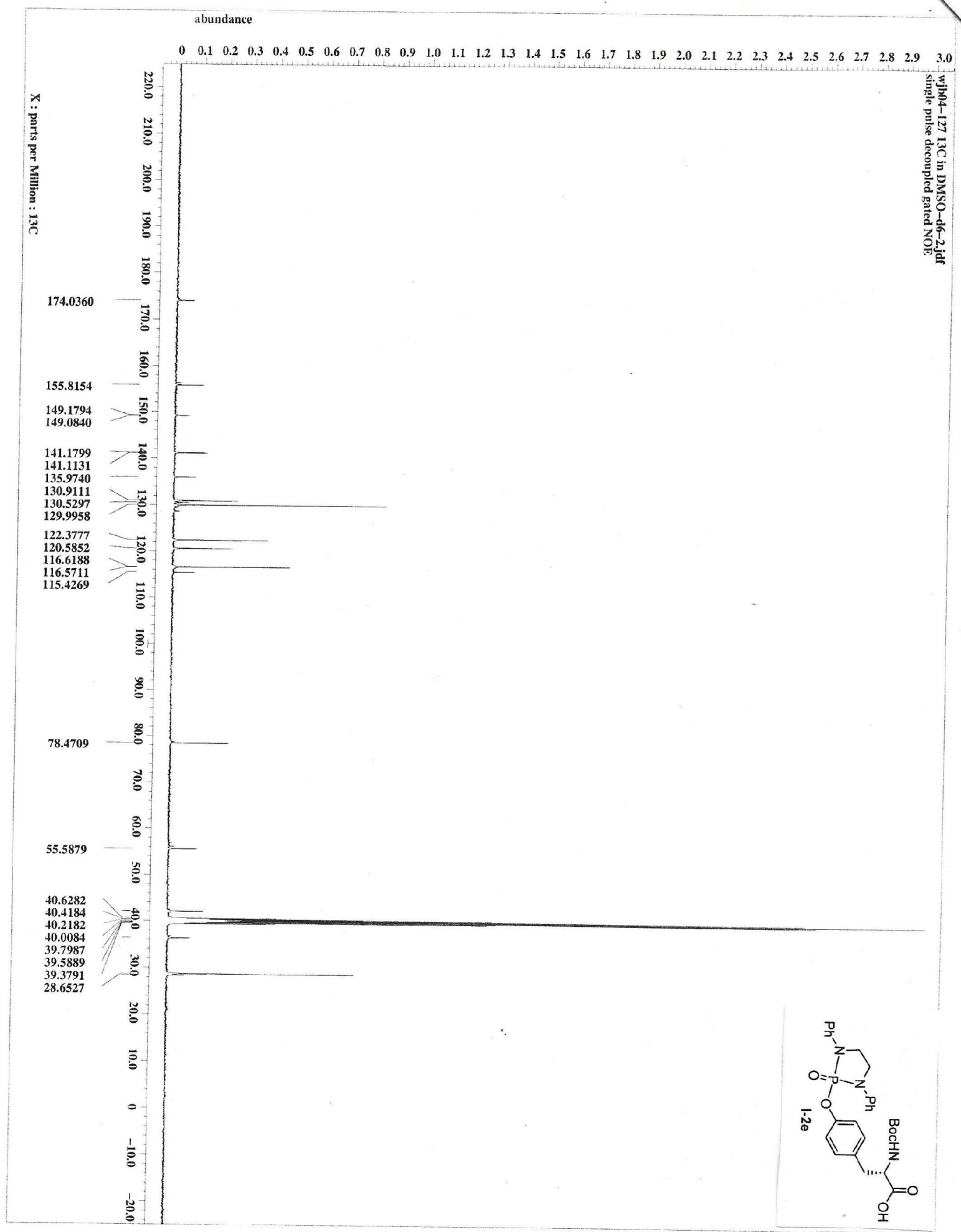
wj604-124 3p in DMSO-d₆

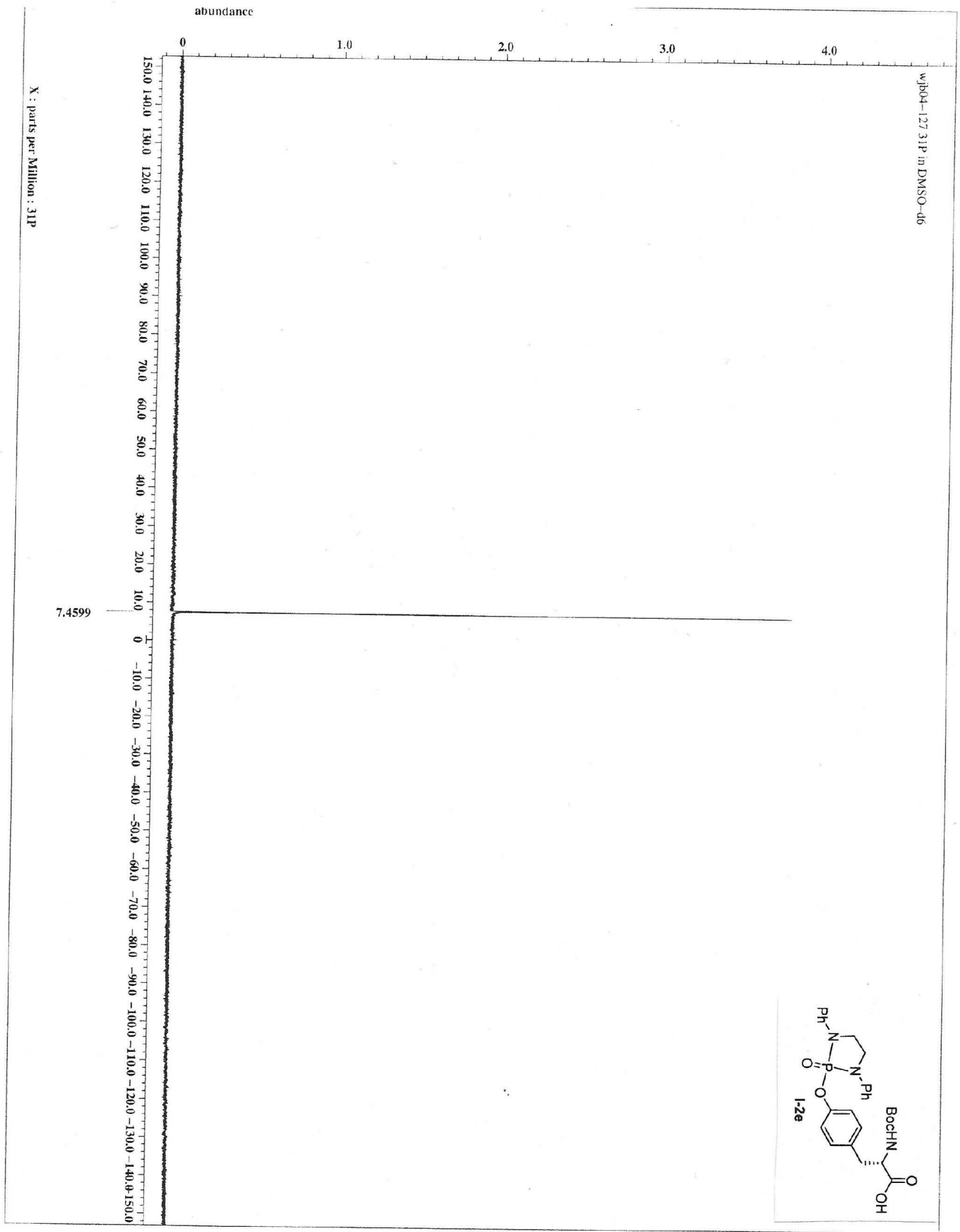


W04-124_12042012_01 #131 RT: 1.36 AV: 1 NL: 2.78E6
T: FTMS + p ESI Full ms [150.00-2000.00]

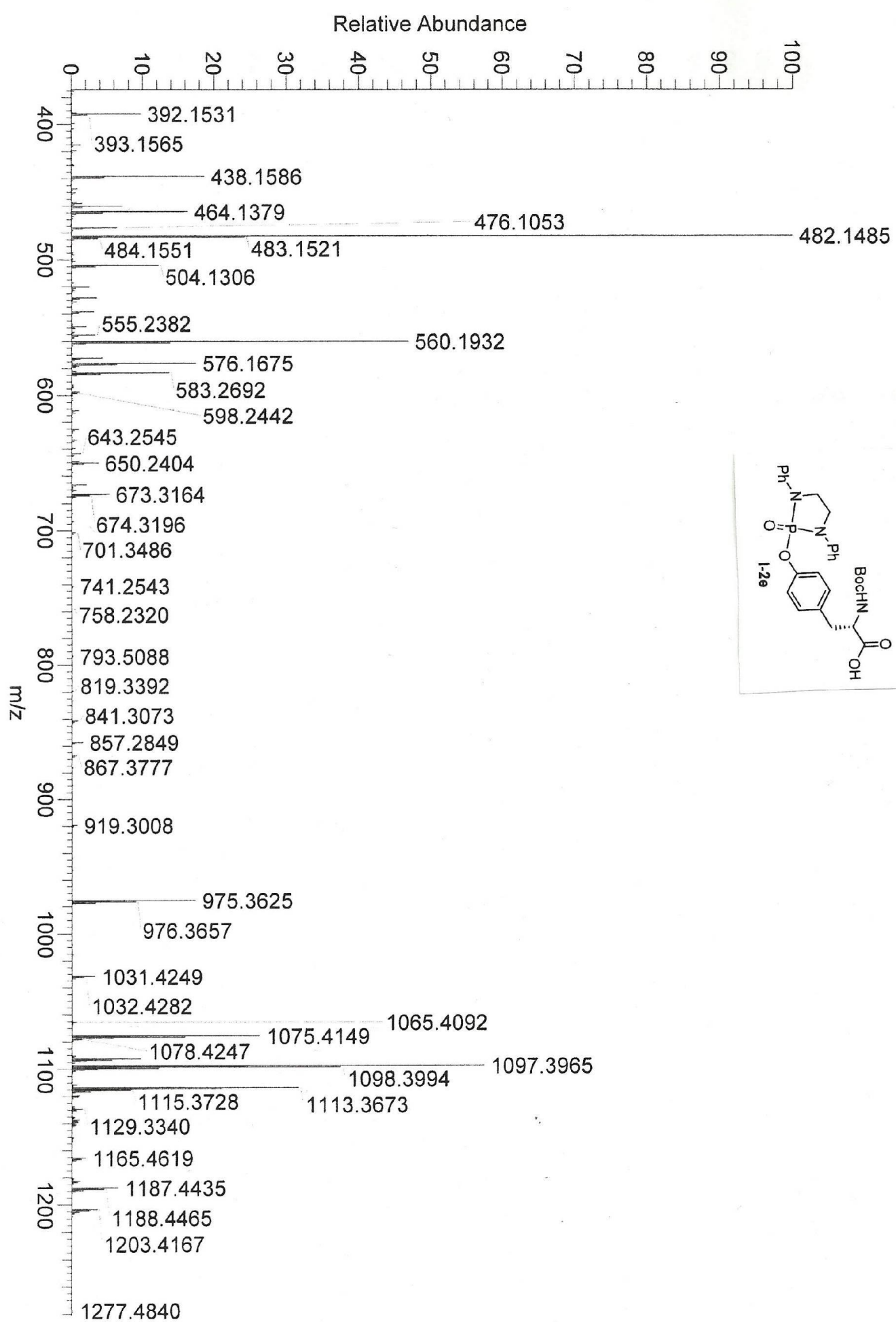


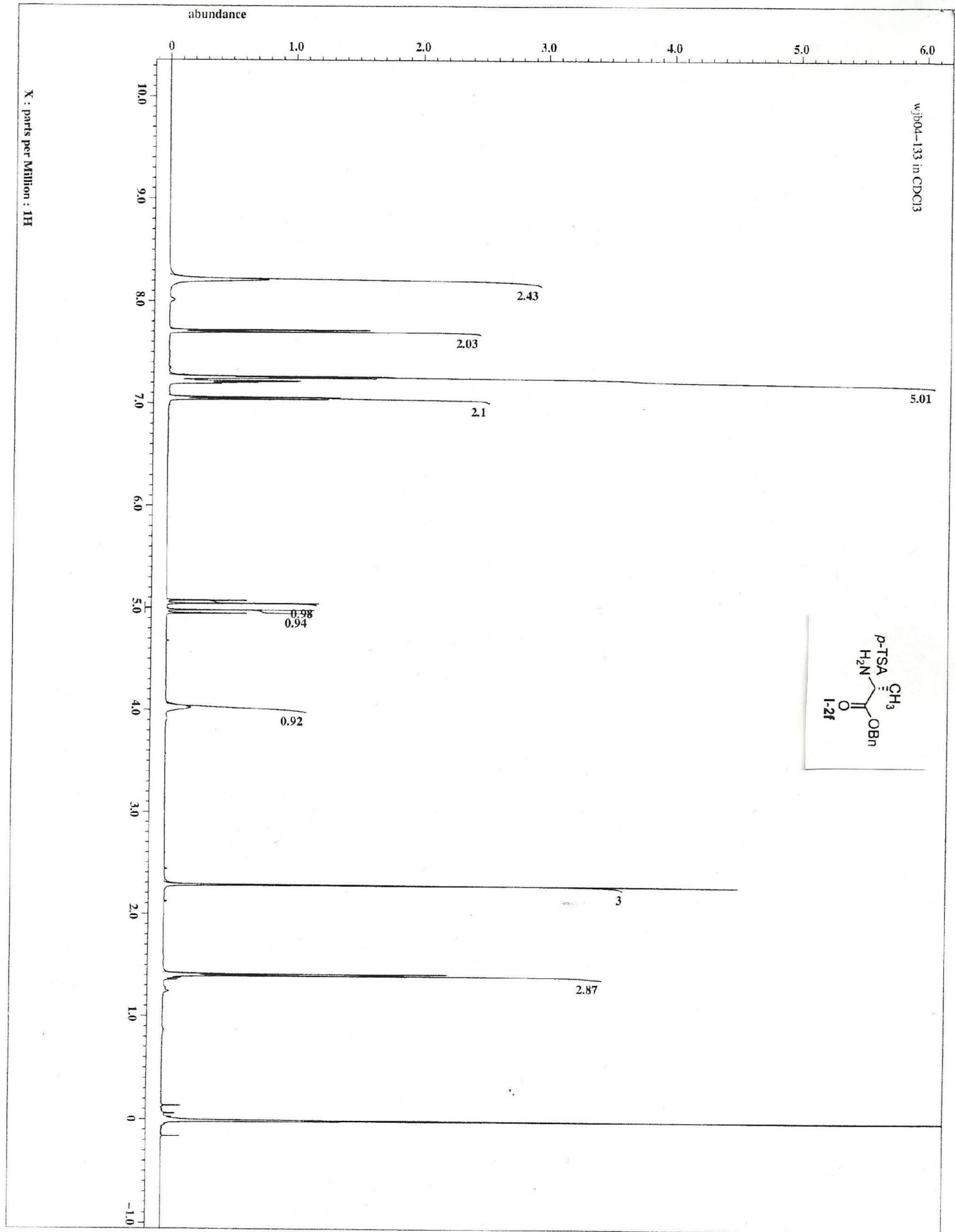


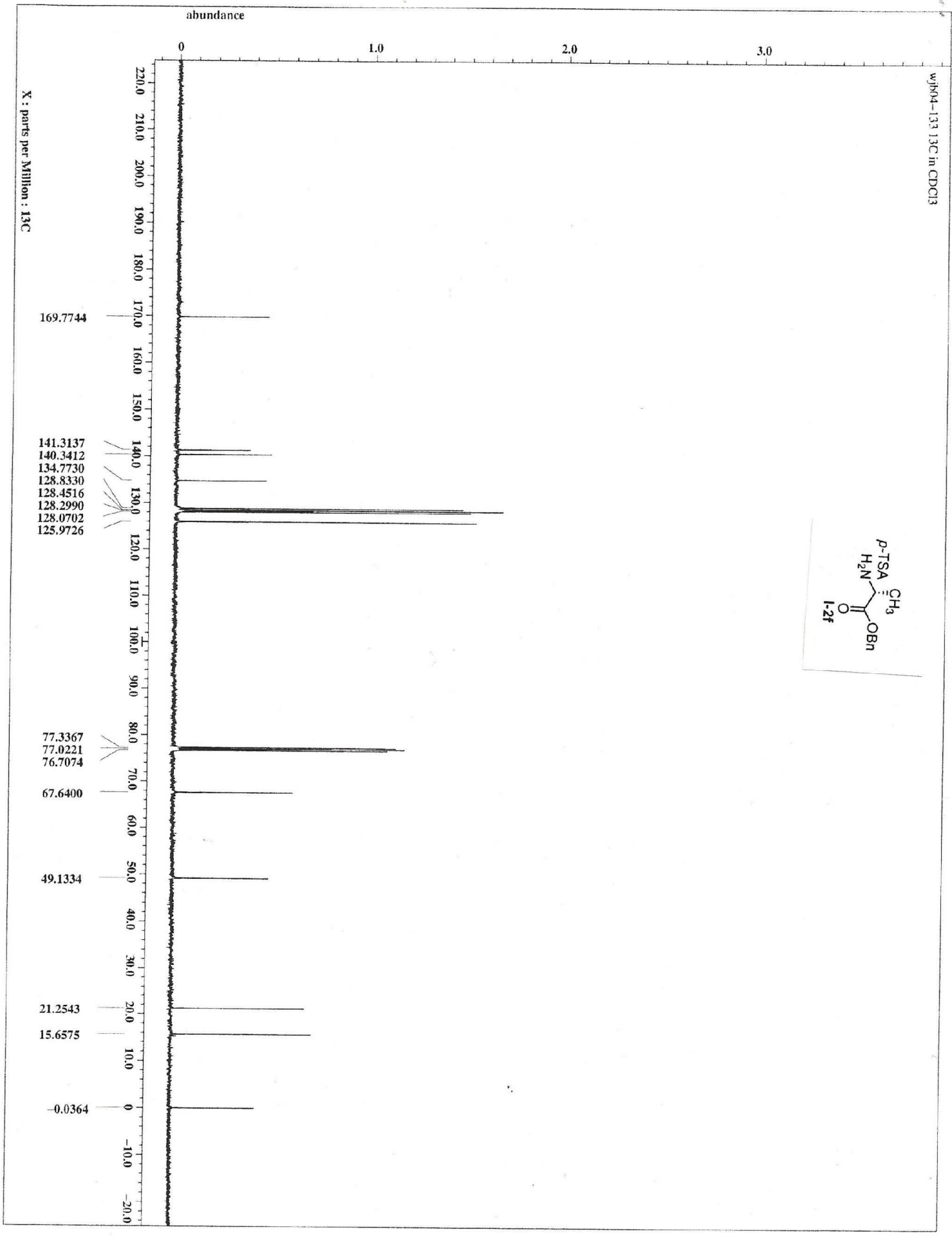




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T: FTMS + p ESI Full ms [150.00-2000.00]

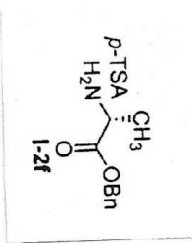
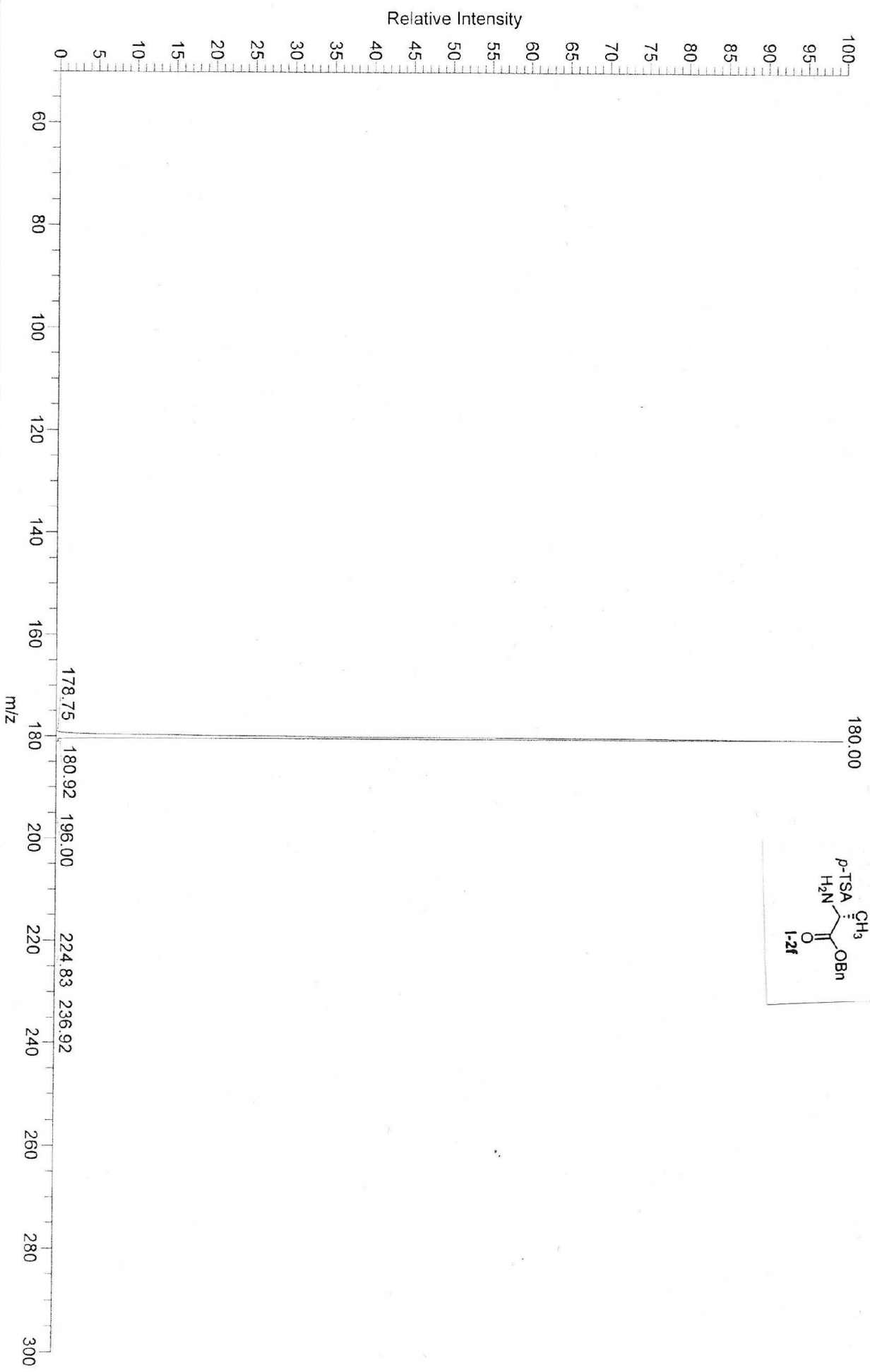


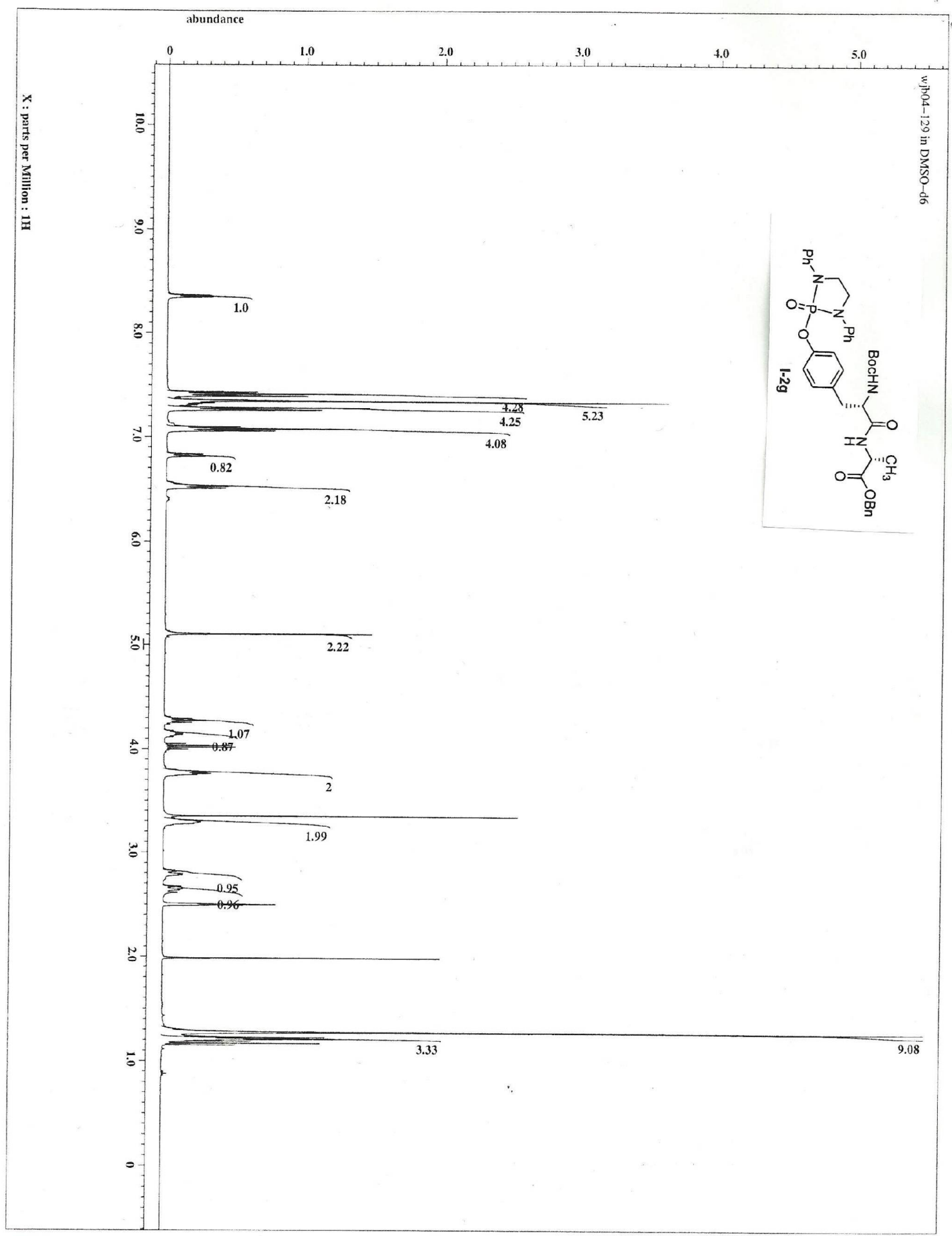


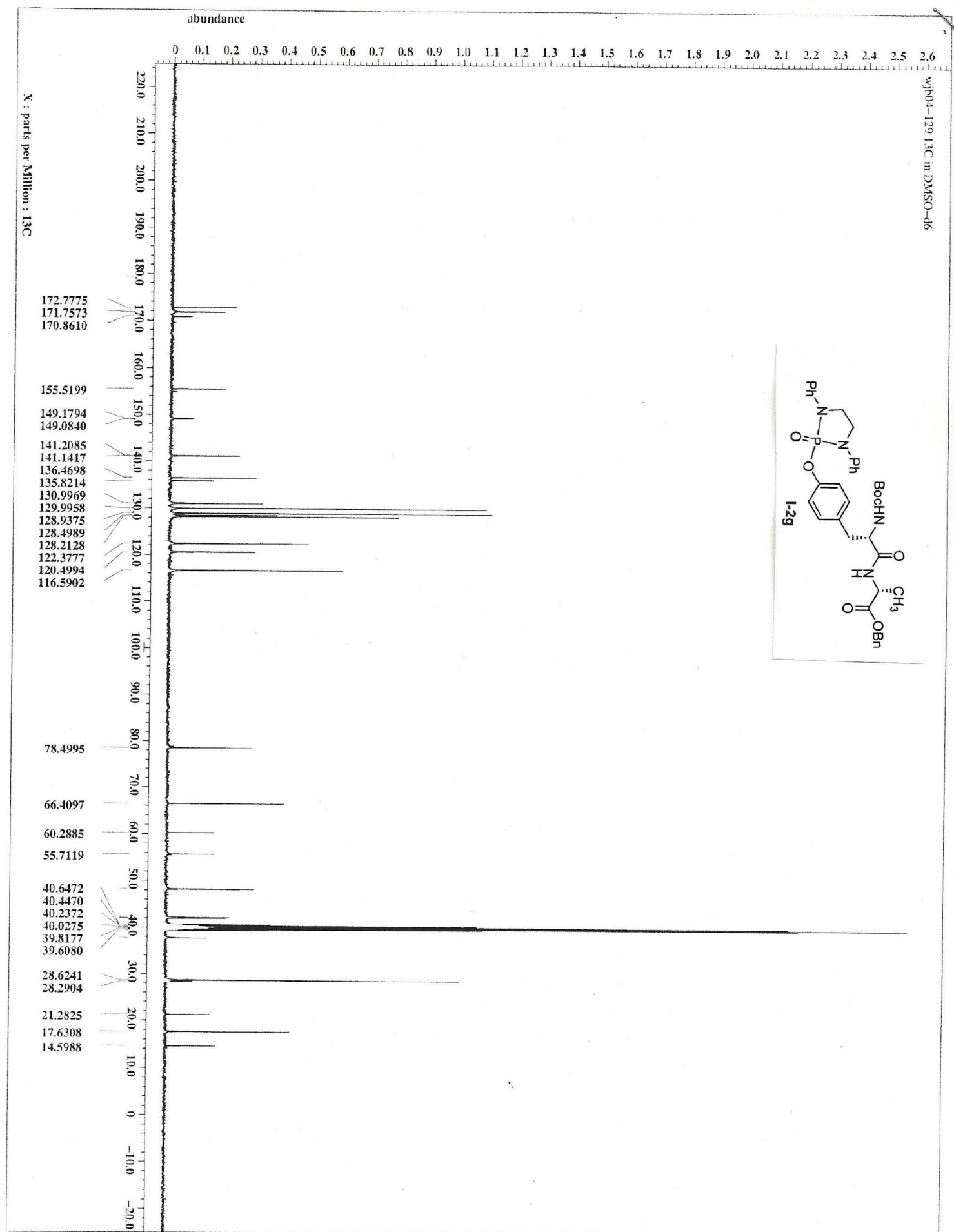


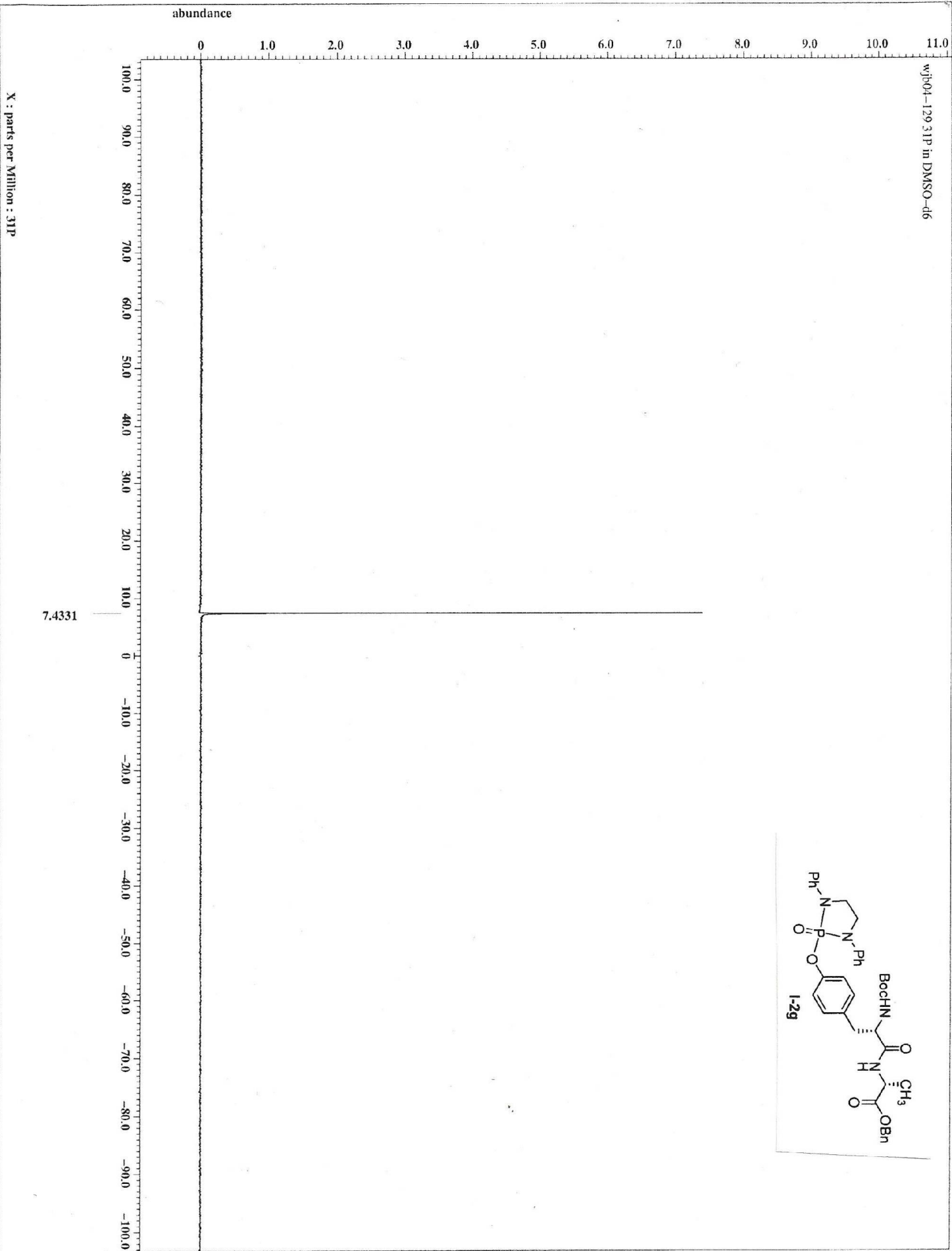
#373 RT: 2.714 AV: 9 IT: 82.943 ST: 1.02 US: 4 NL: 3.33E3
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WJBO4-133





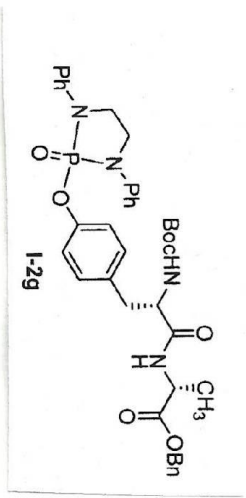
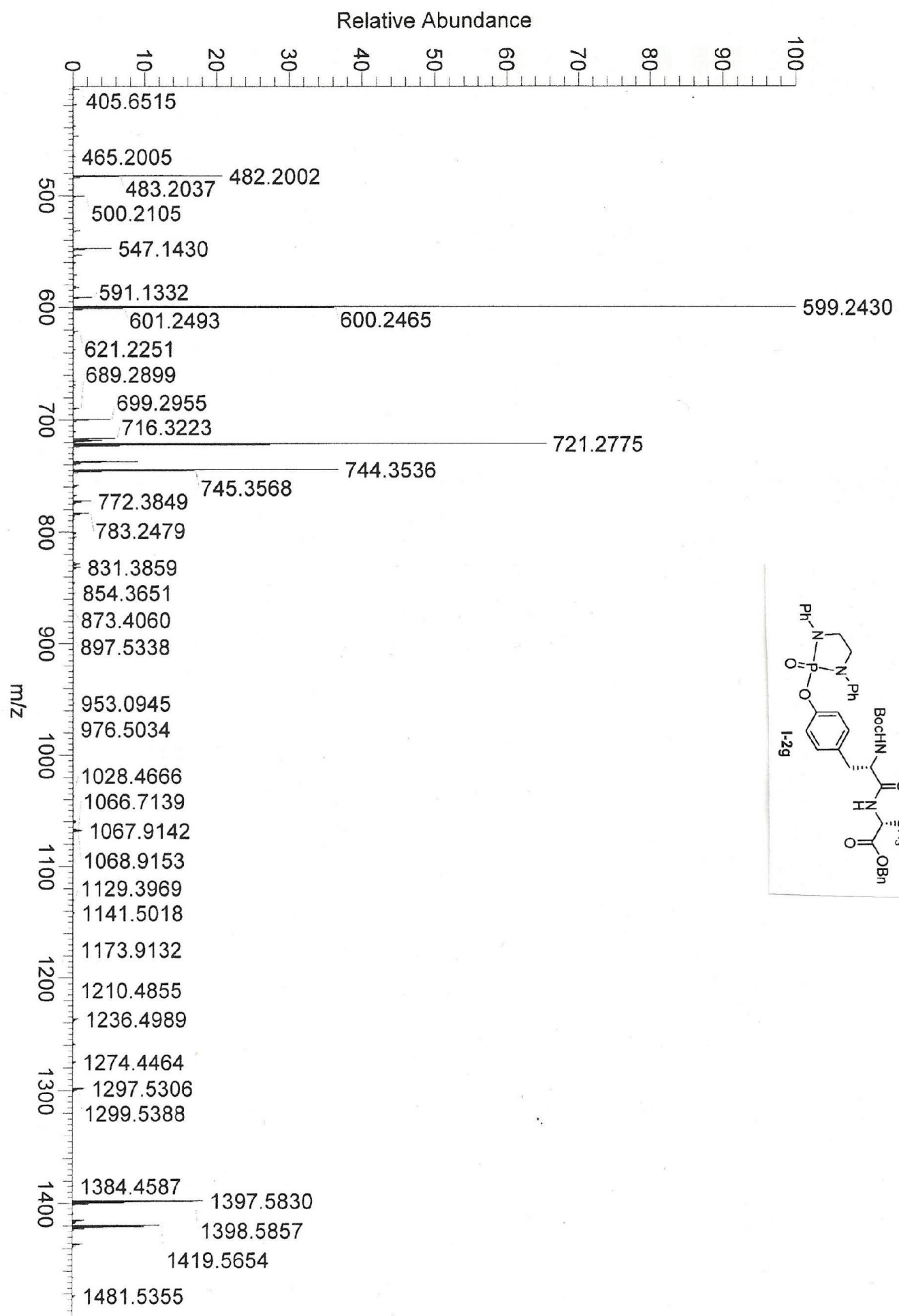


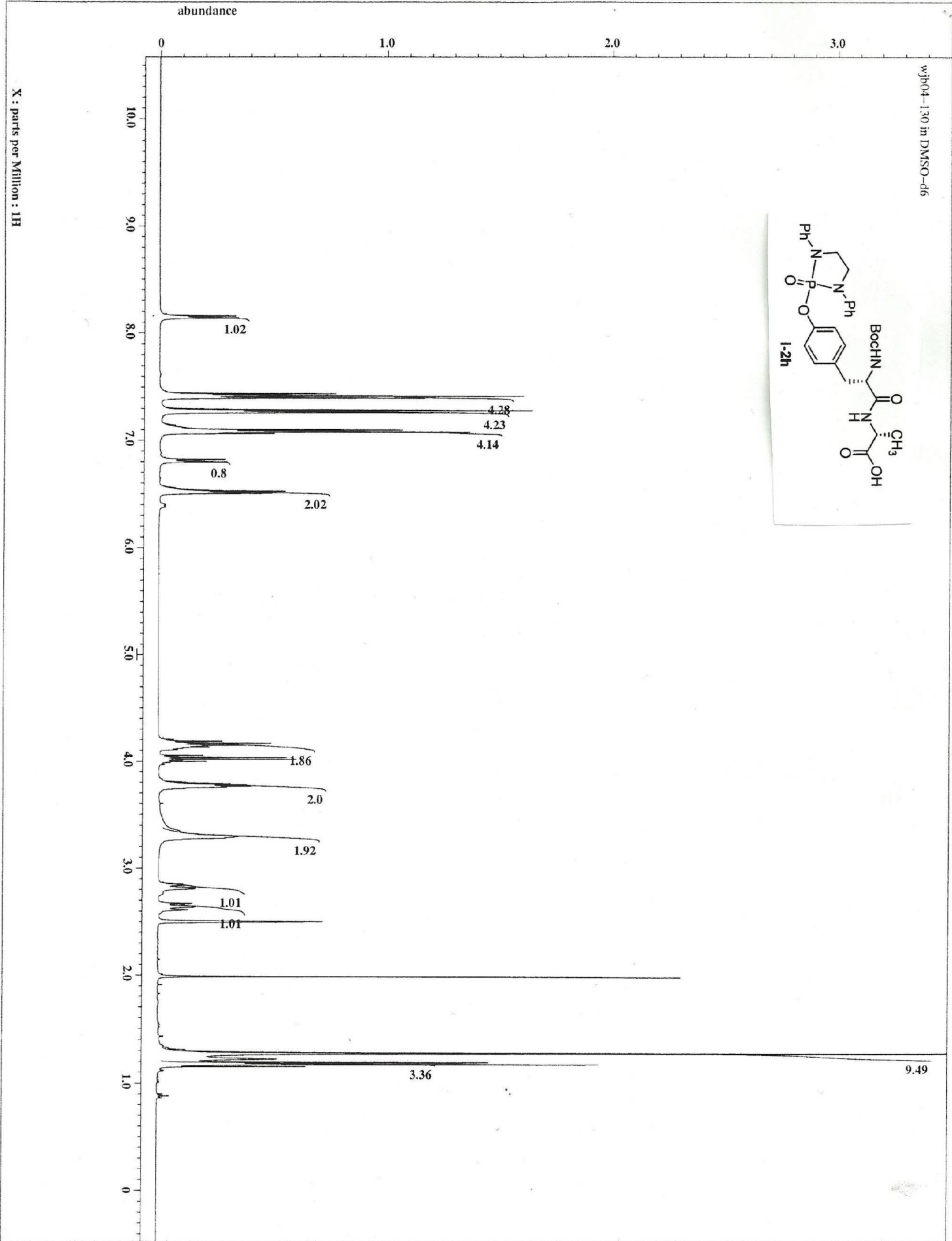


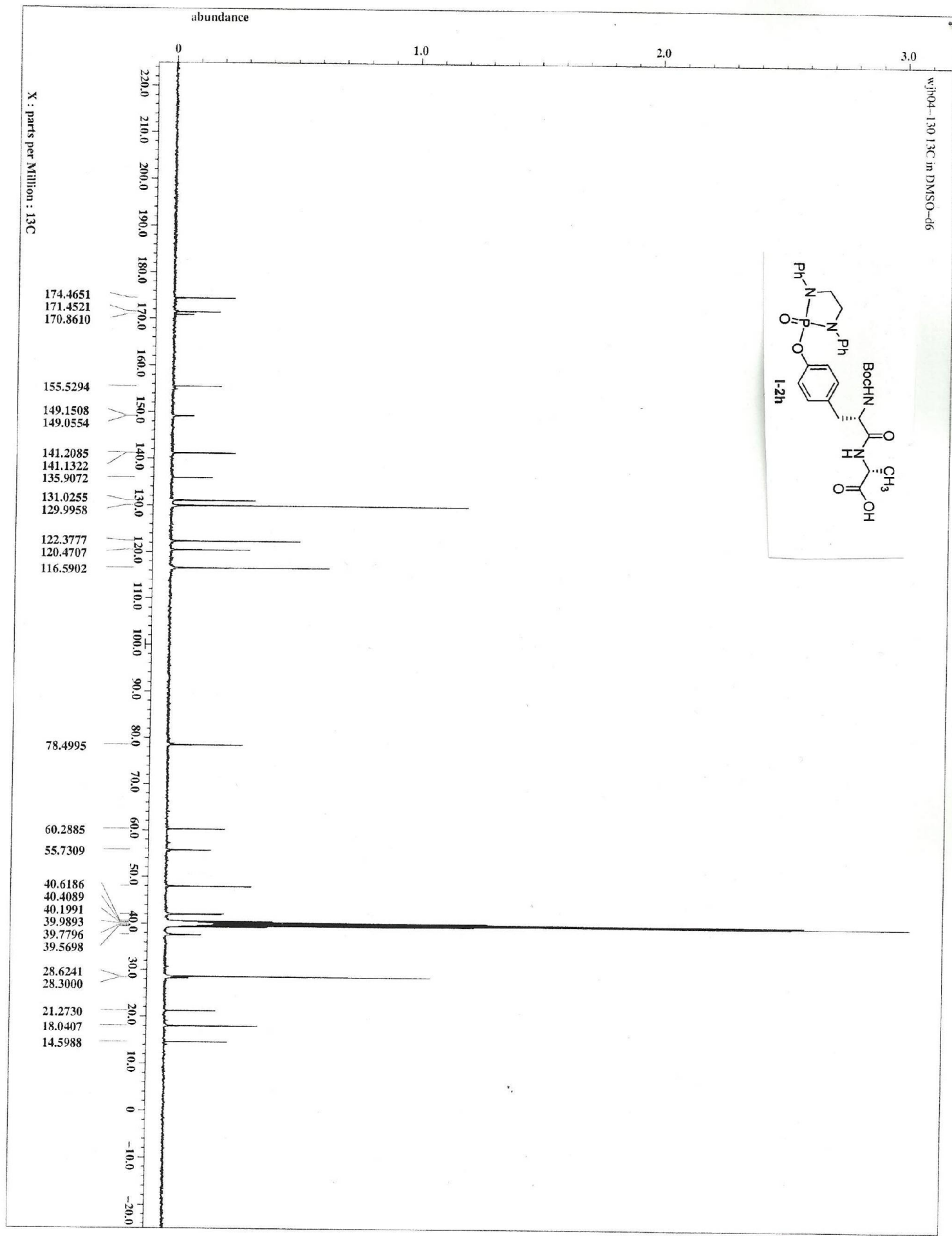
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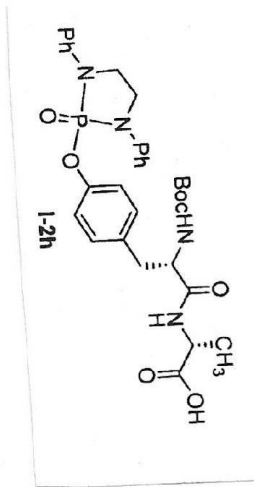
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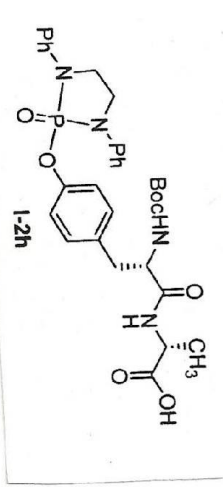
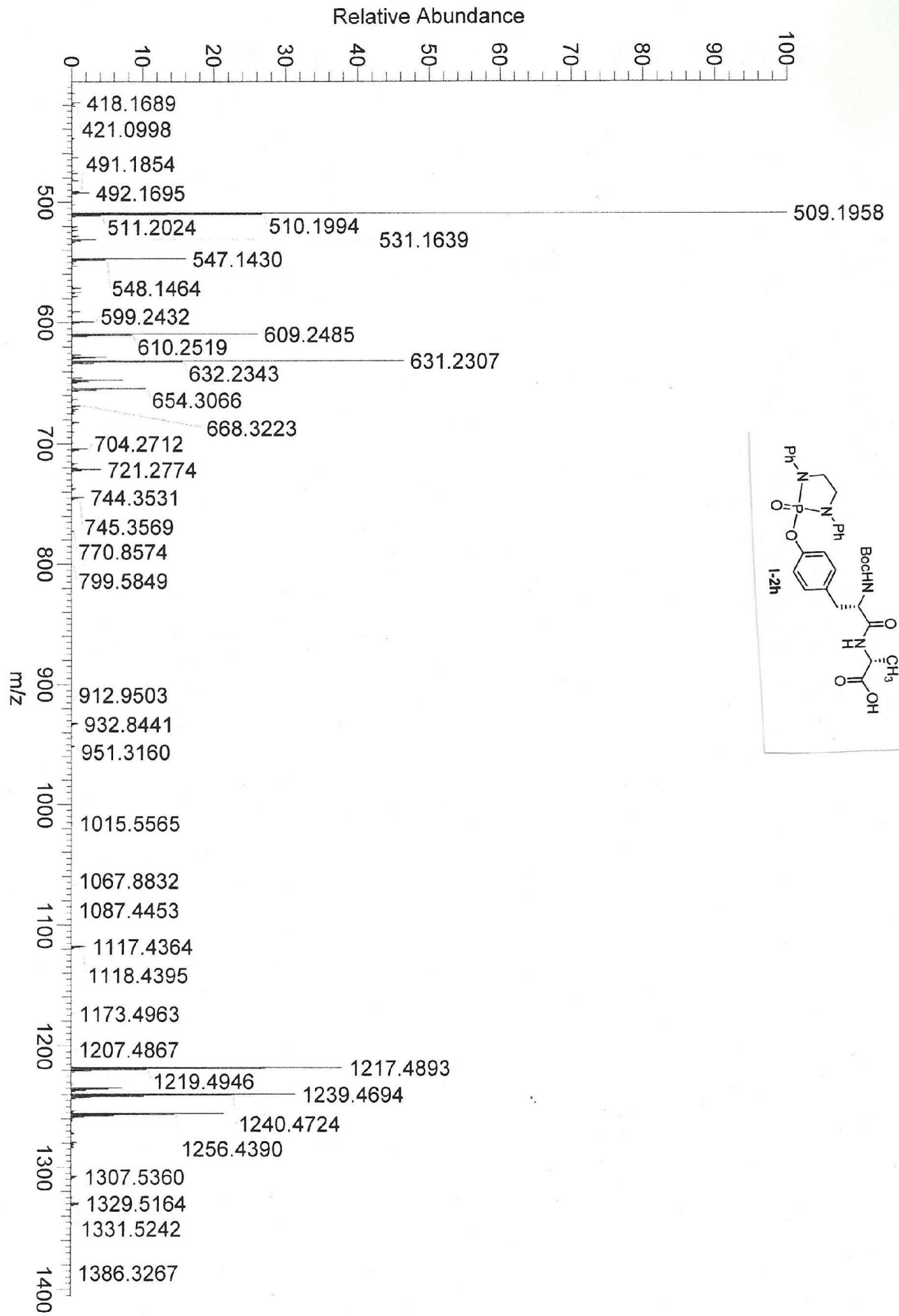


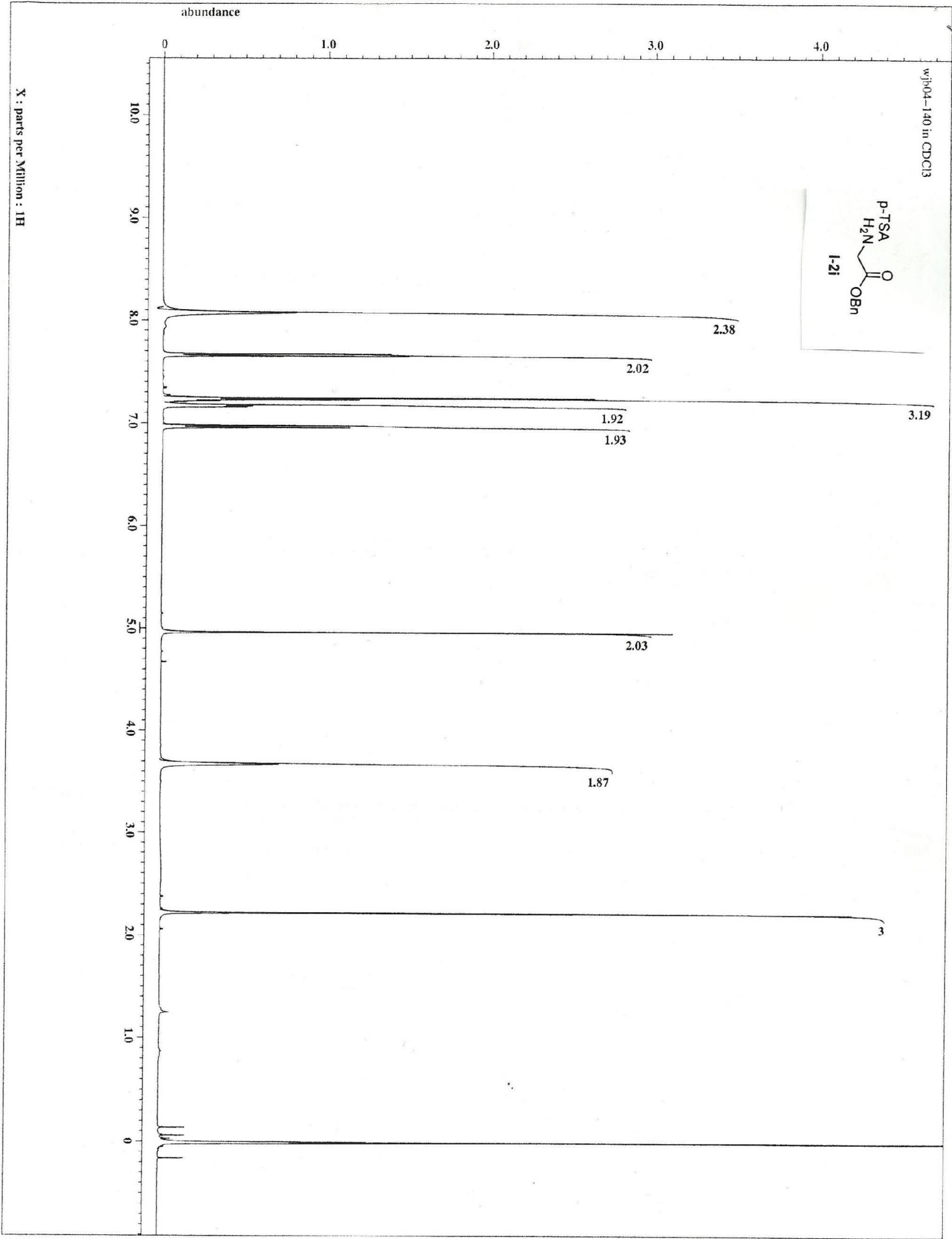


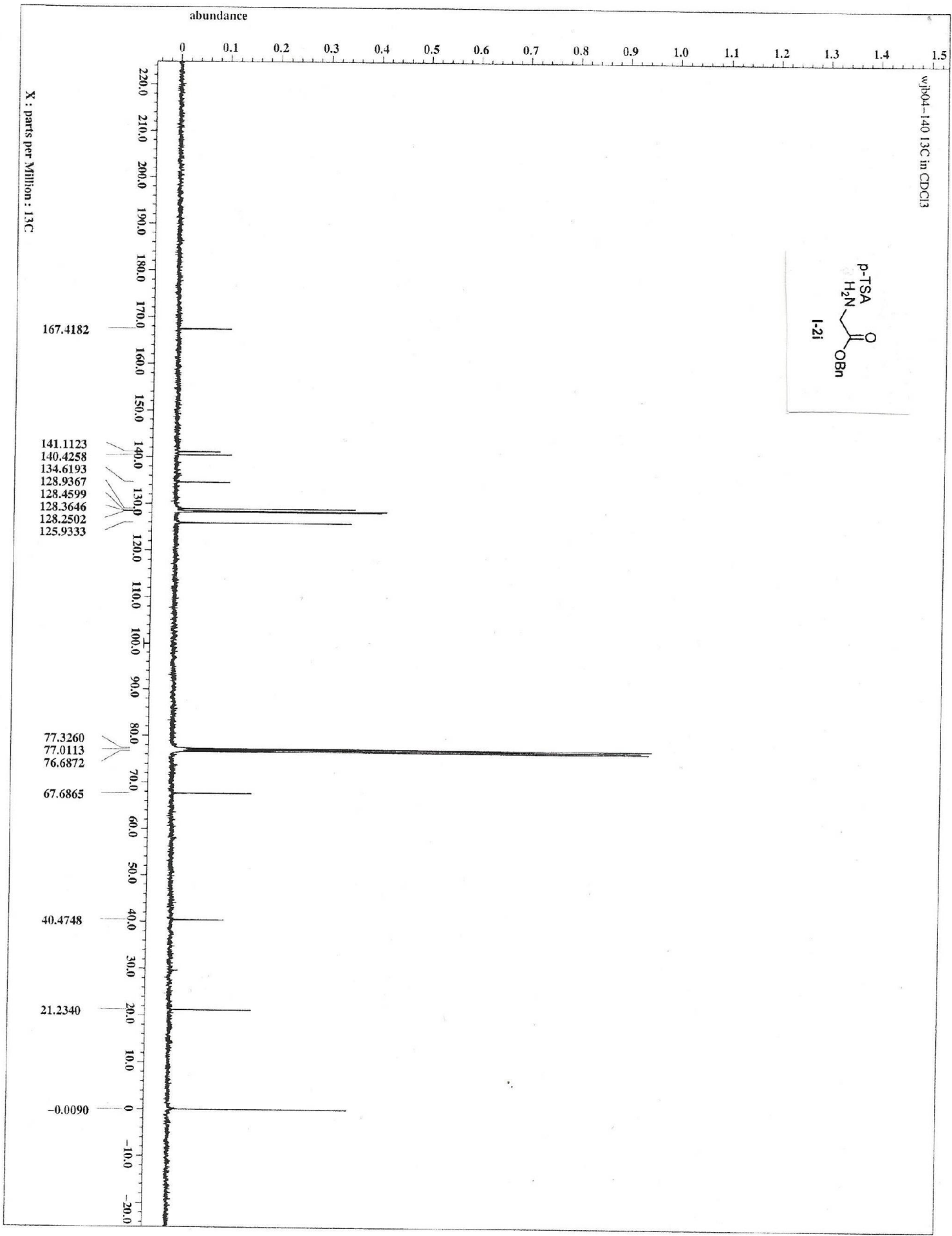


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12/4/2012 3:40:00 PM

W04-130_12042012_01 #155 RT: 1.65 AV: 1 NL: 1.58E6
T: FTMS + p ESI Full ms [150.00-2000.00]

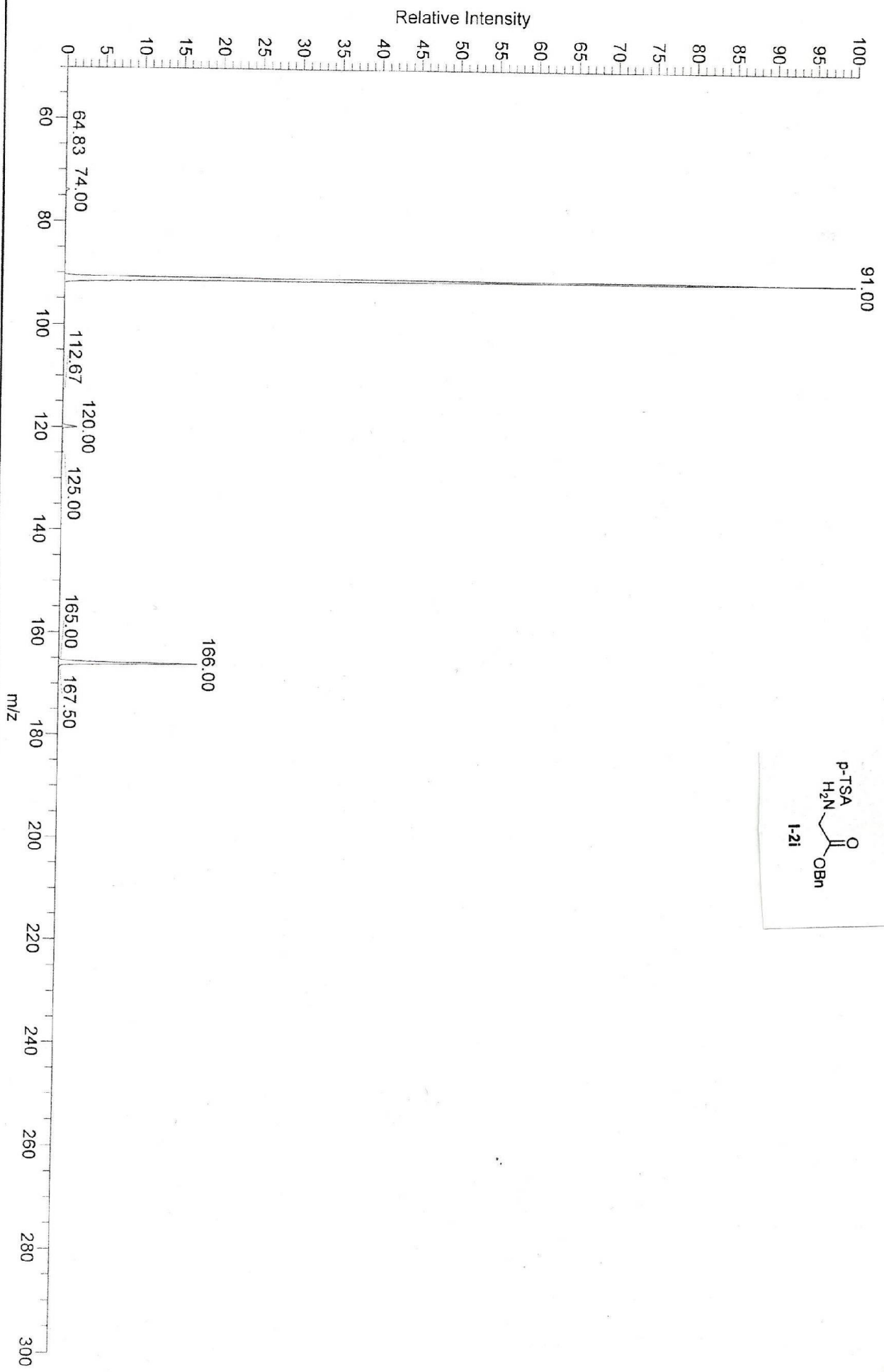
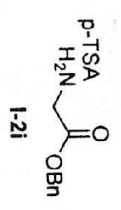




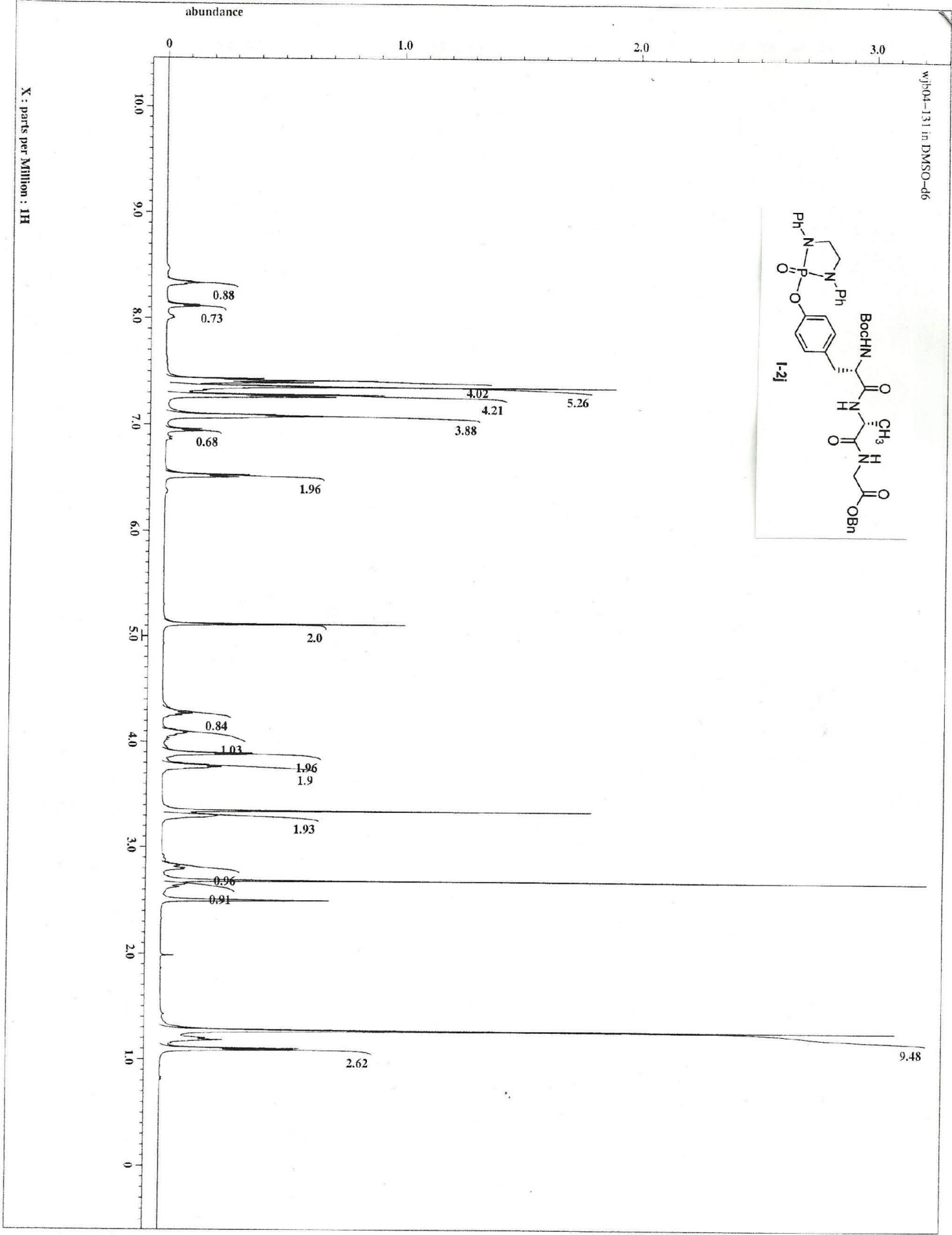


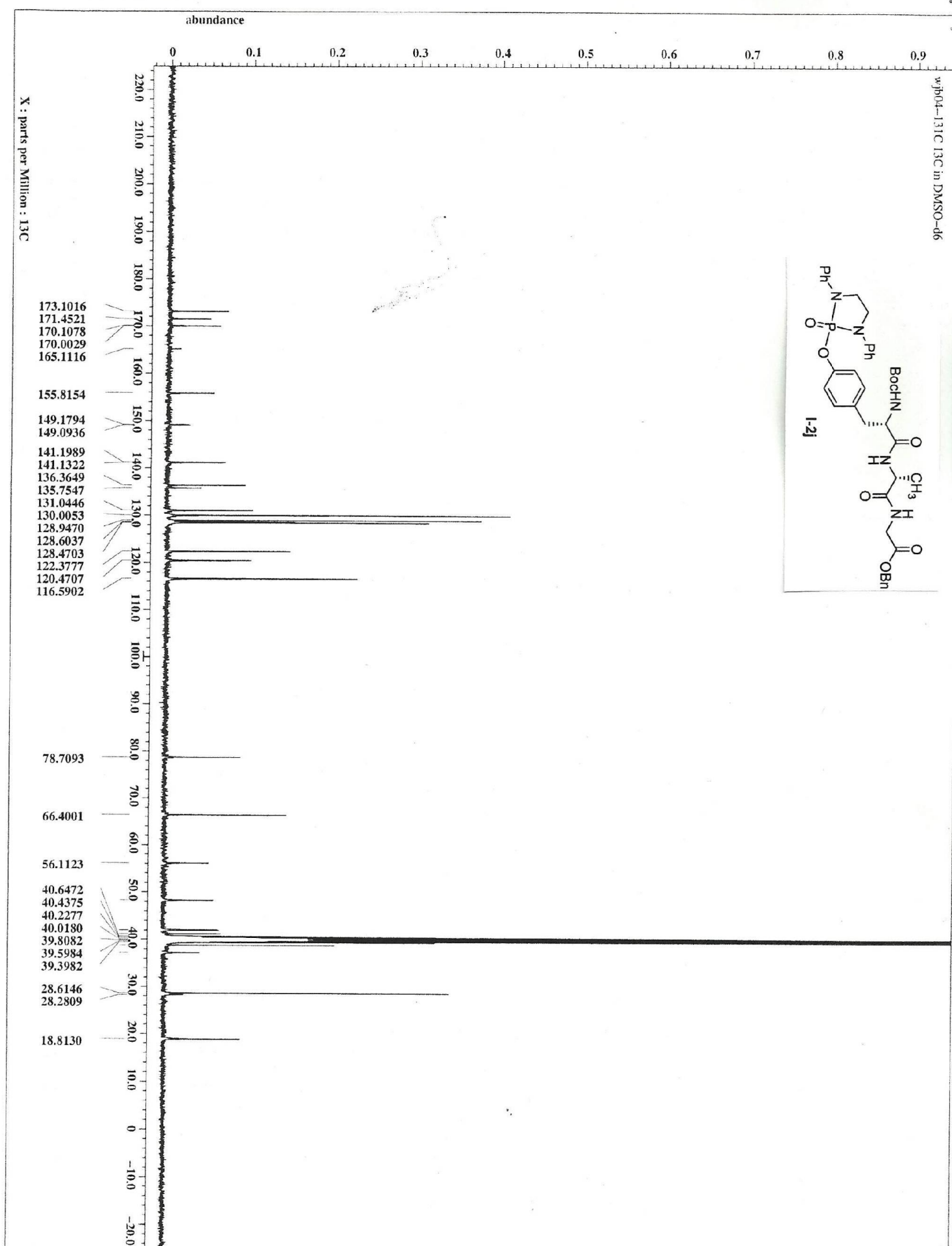
#1007 RT: 4.155 AV: 6 IT: 100.000 ST: 1.09 US: 4 NL: 6.64E2
F: ITMS + p ESI Full ms2 166.00@cid20.00 [50.00-300.00]

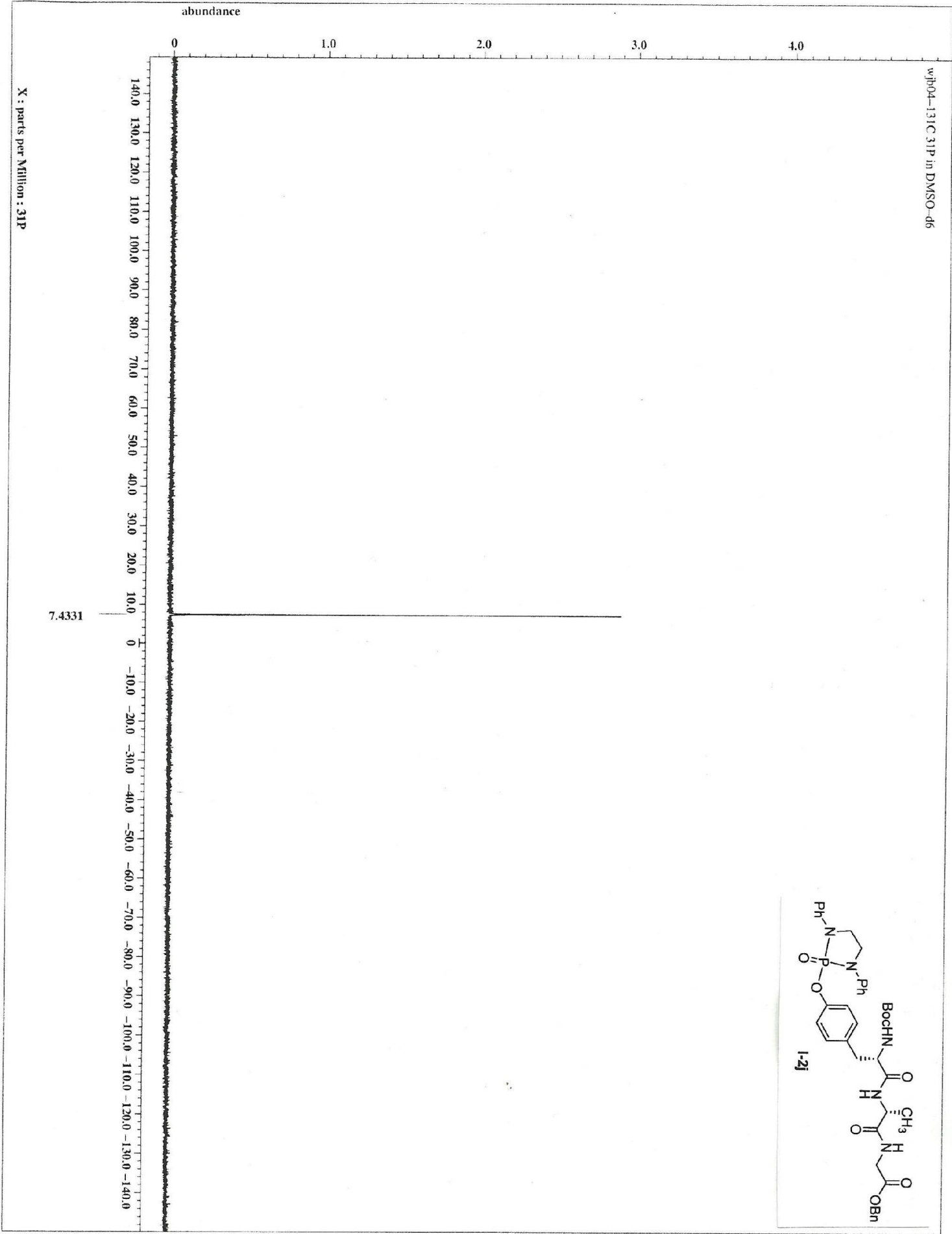
WJ8-04-140



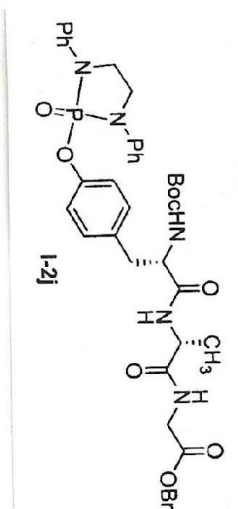
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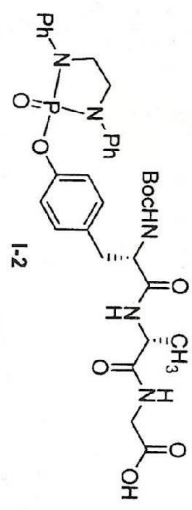
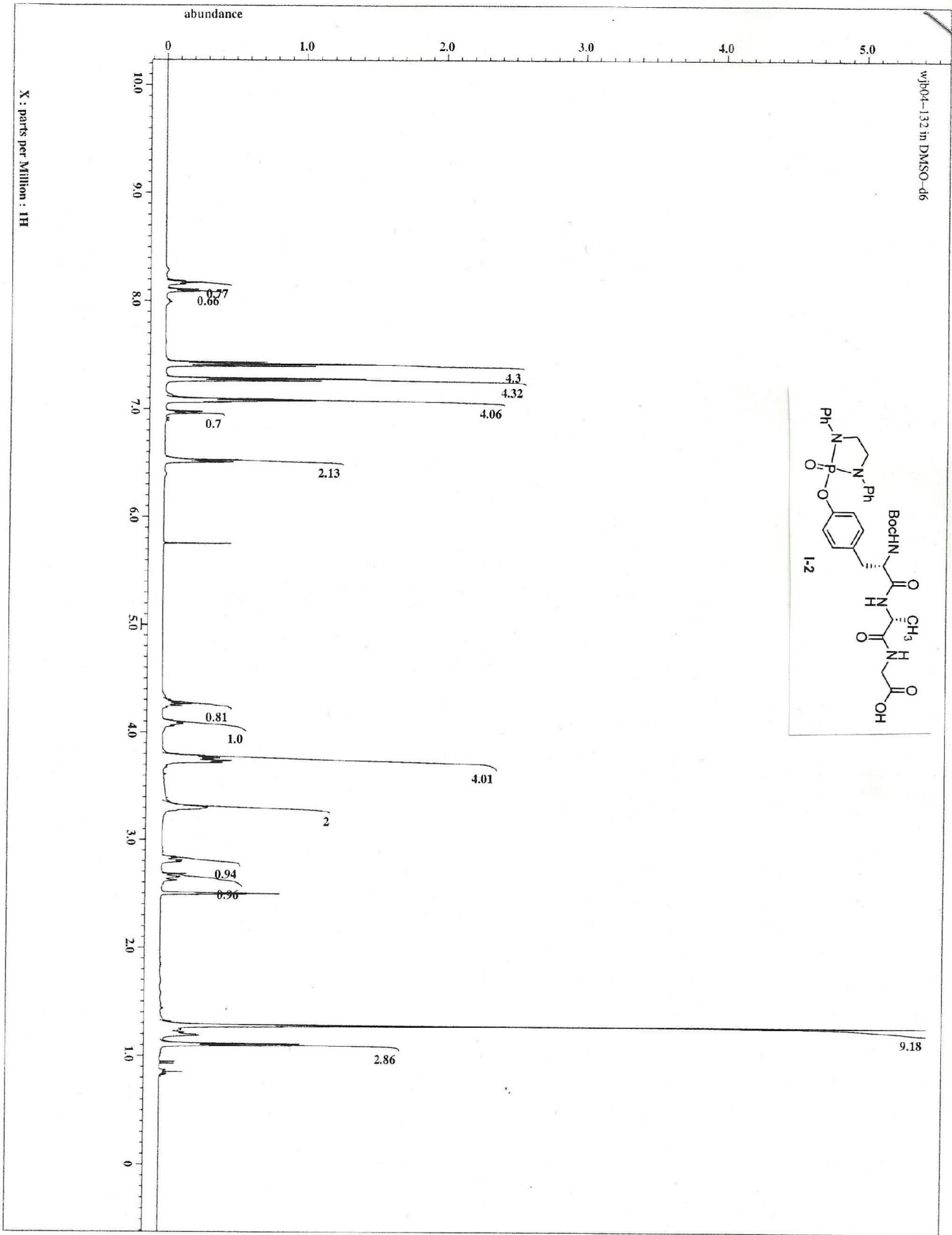


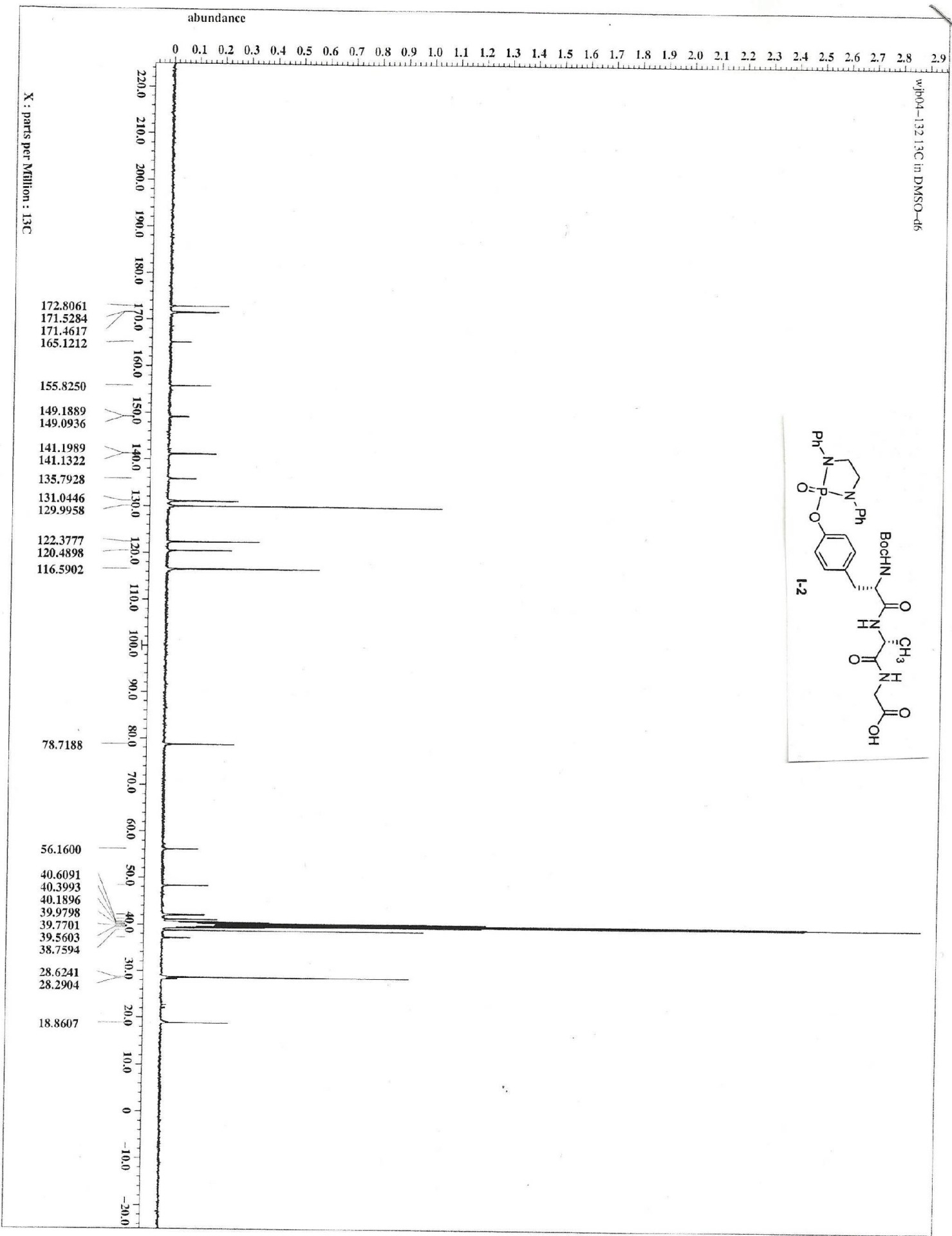


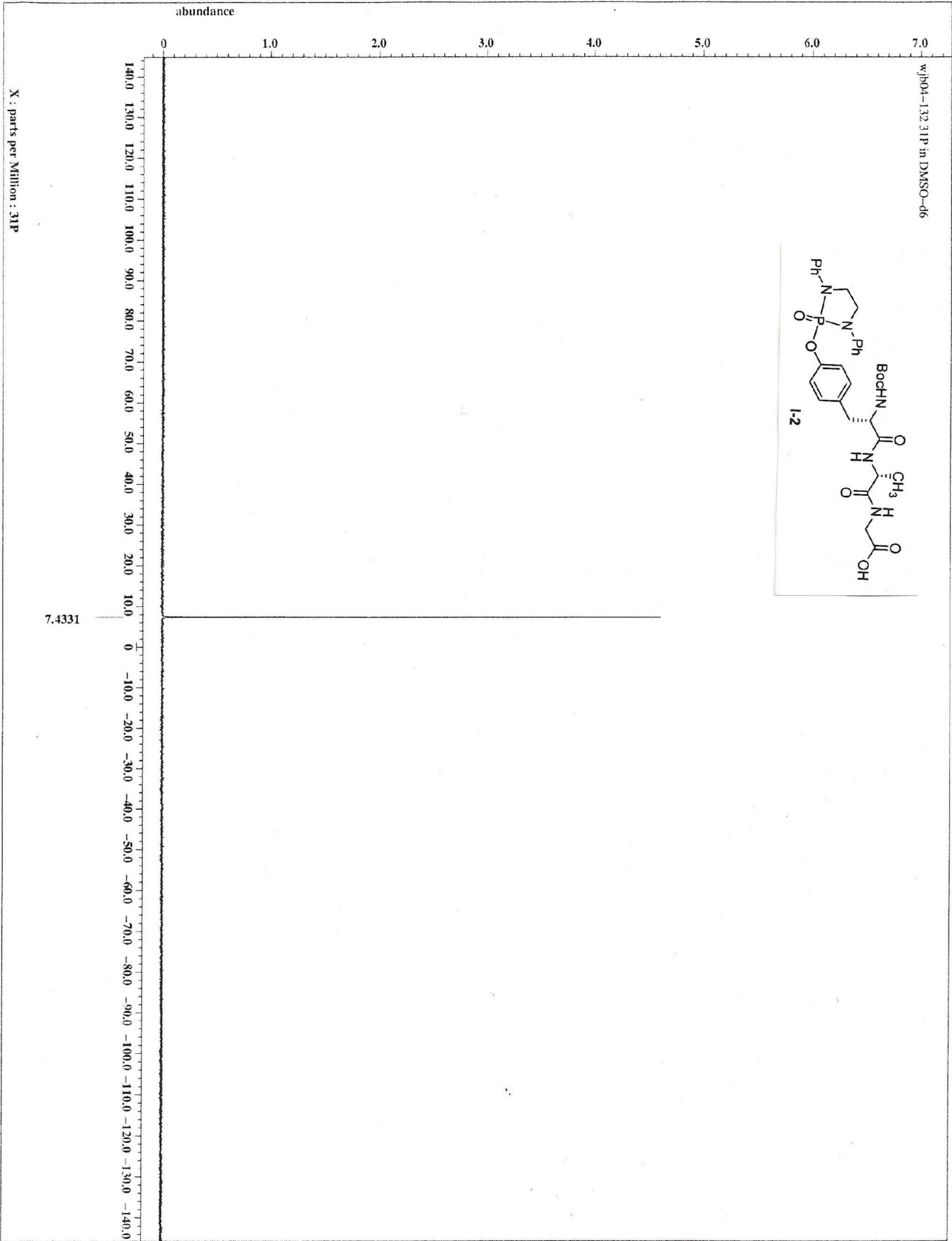


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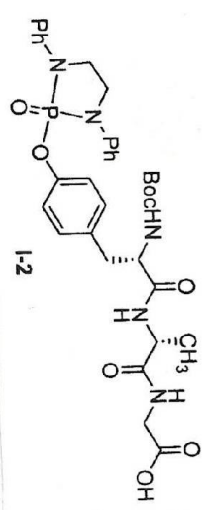
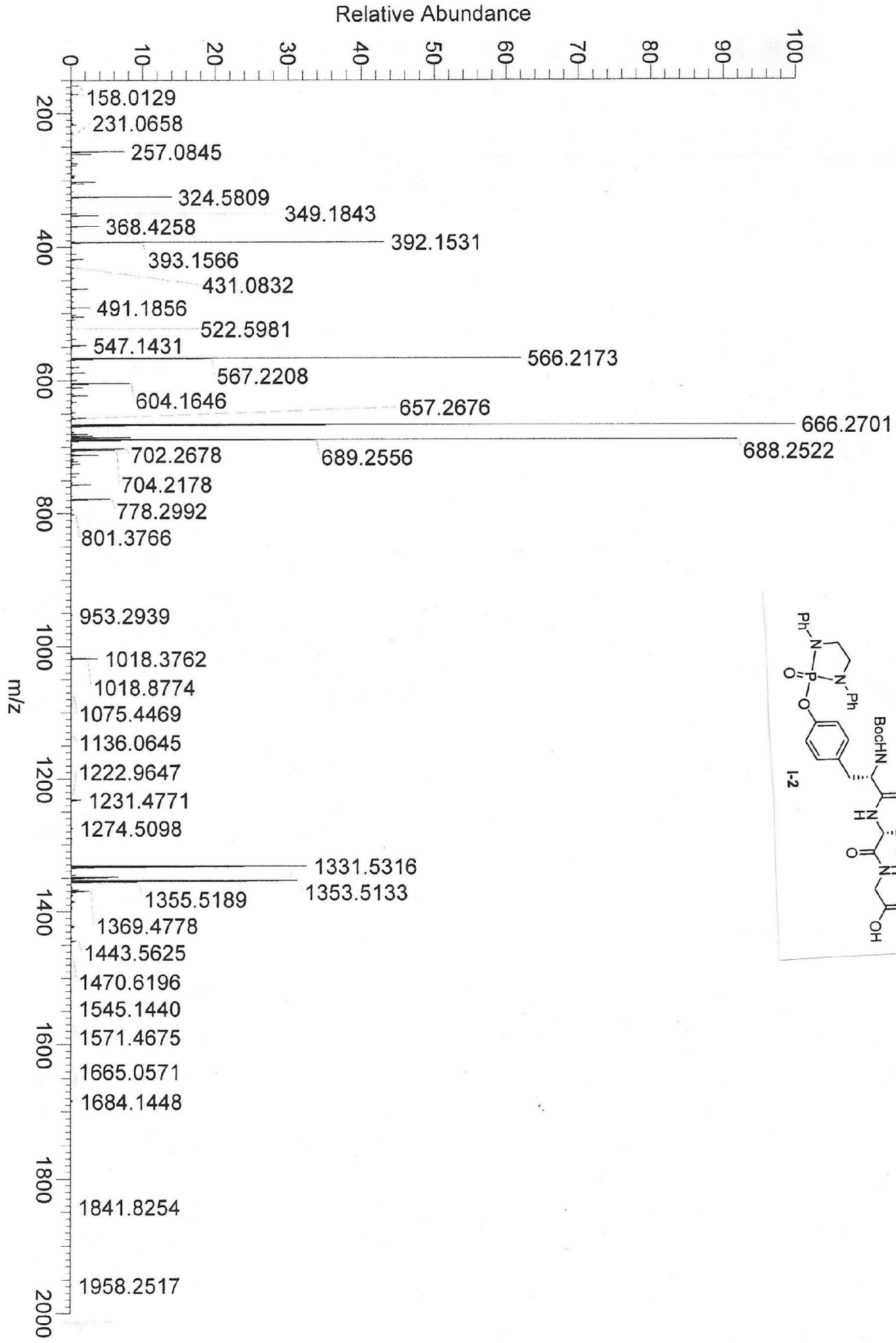


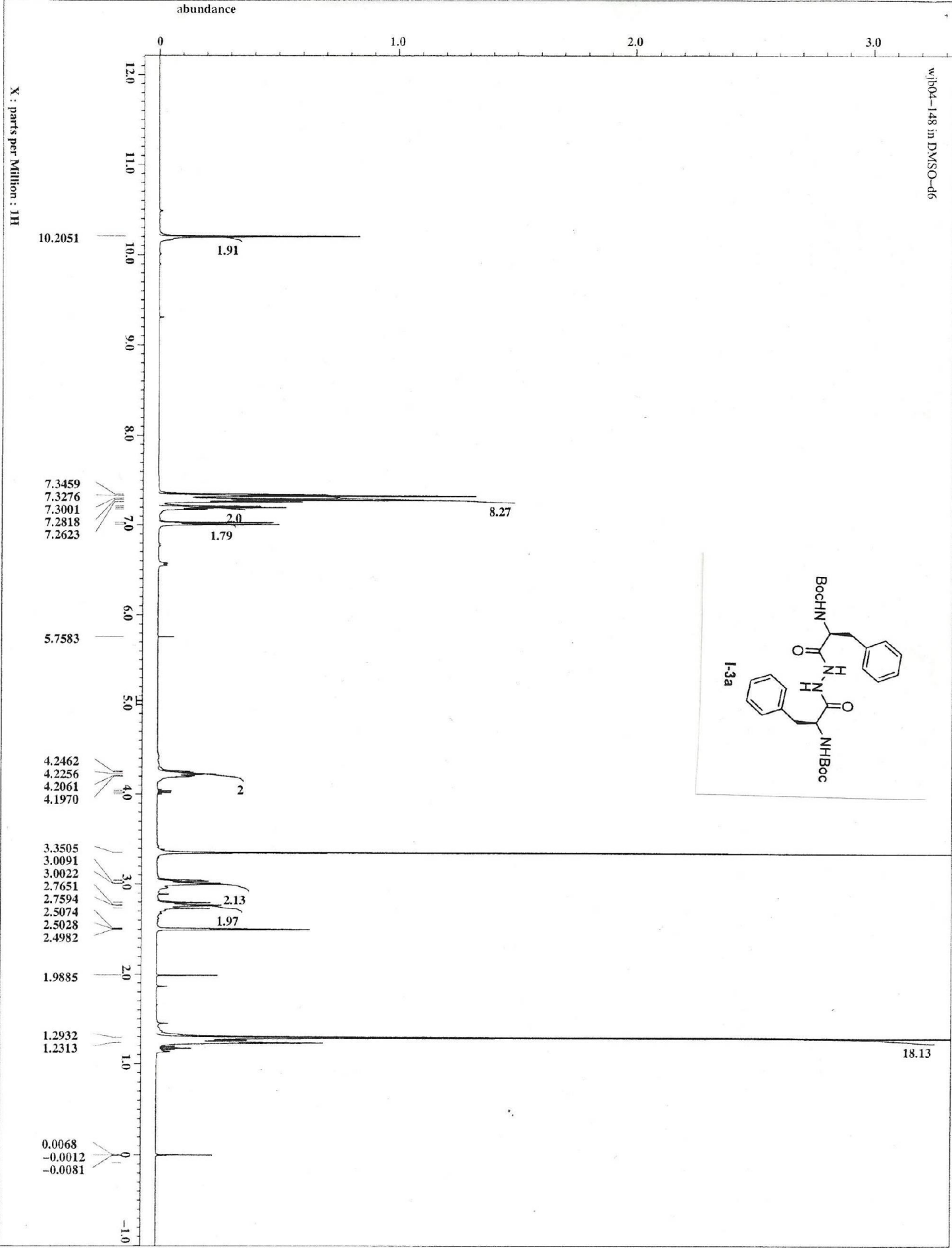


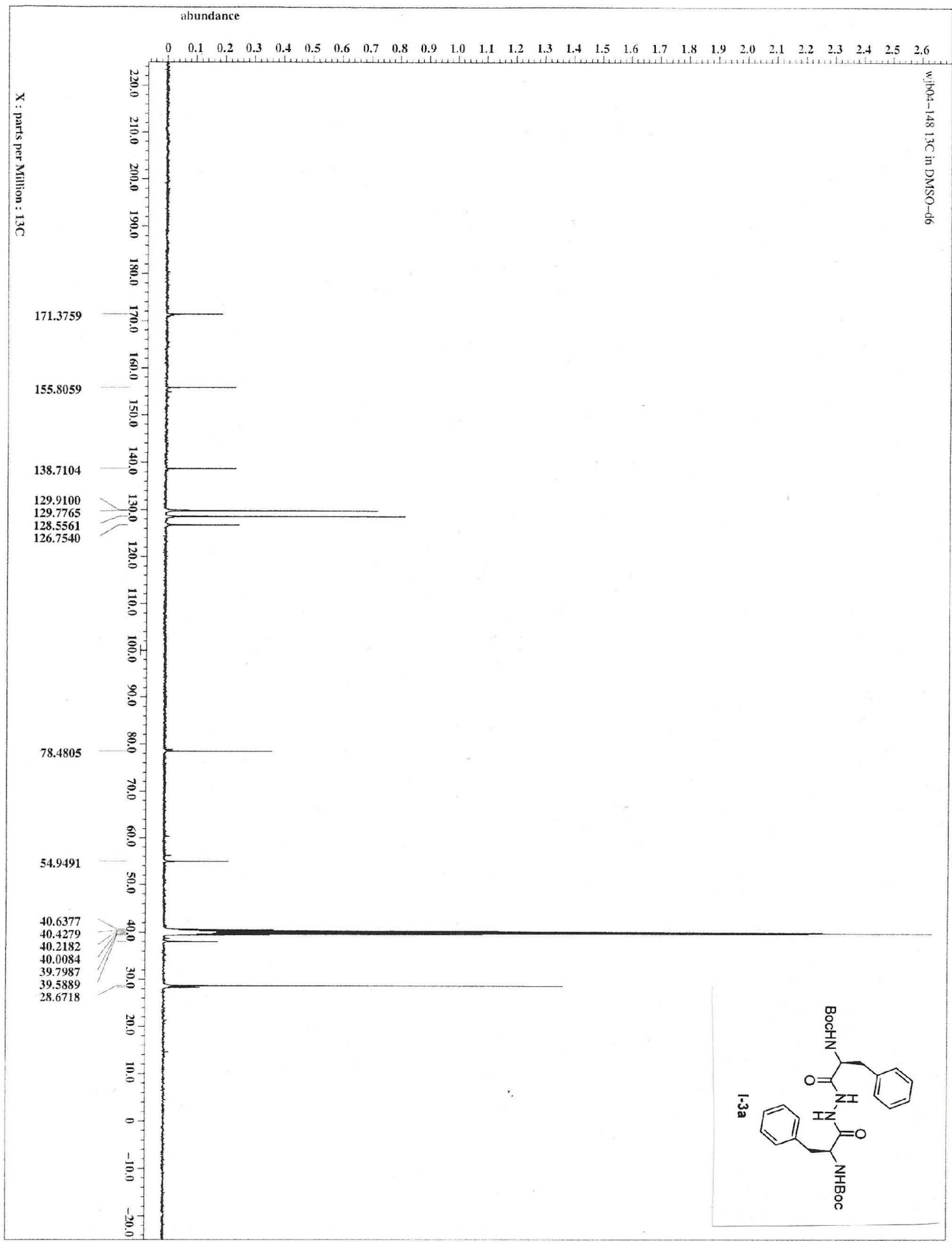
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12/4/2012 3:45:42 PM

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T: FTMS + p ESI Full ms [150.00-2000.00]

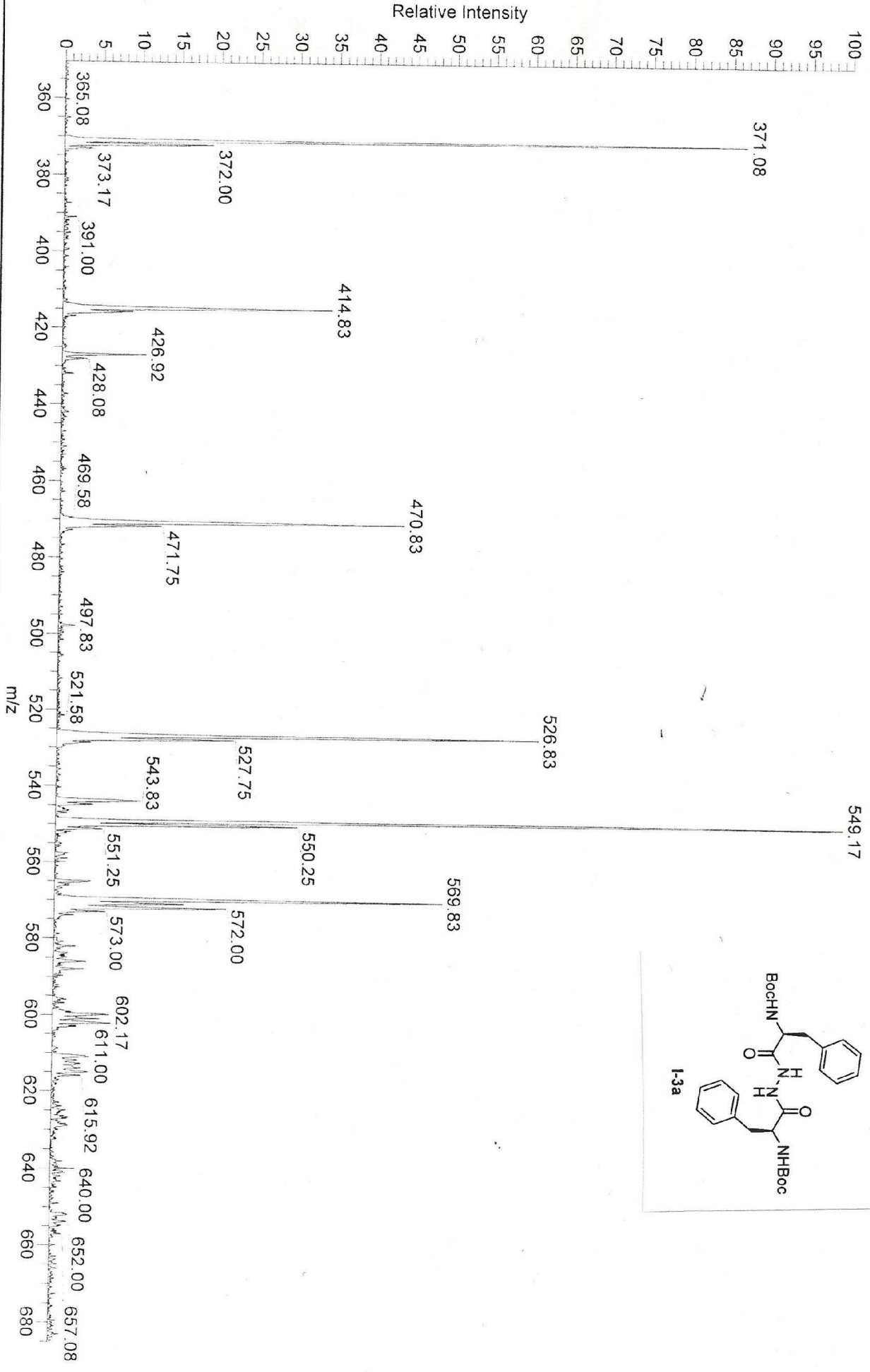
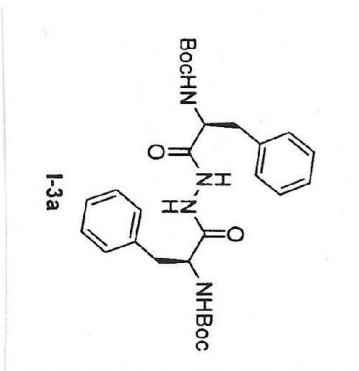


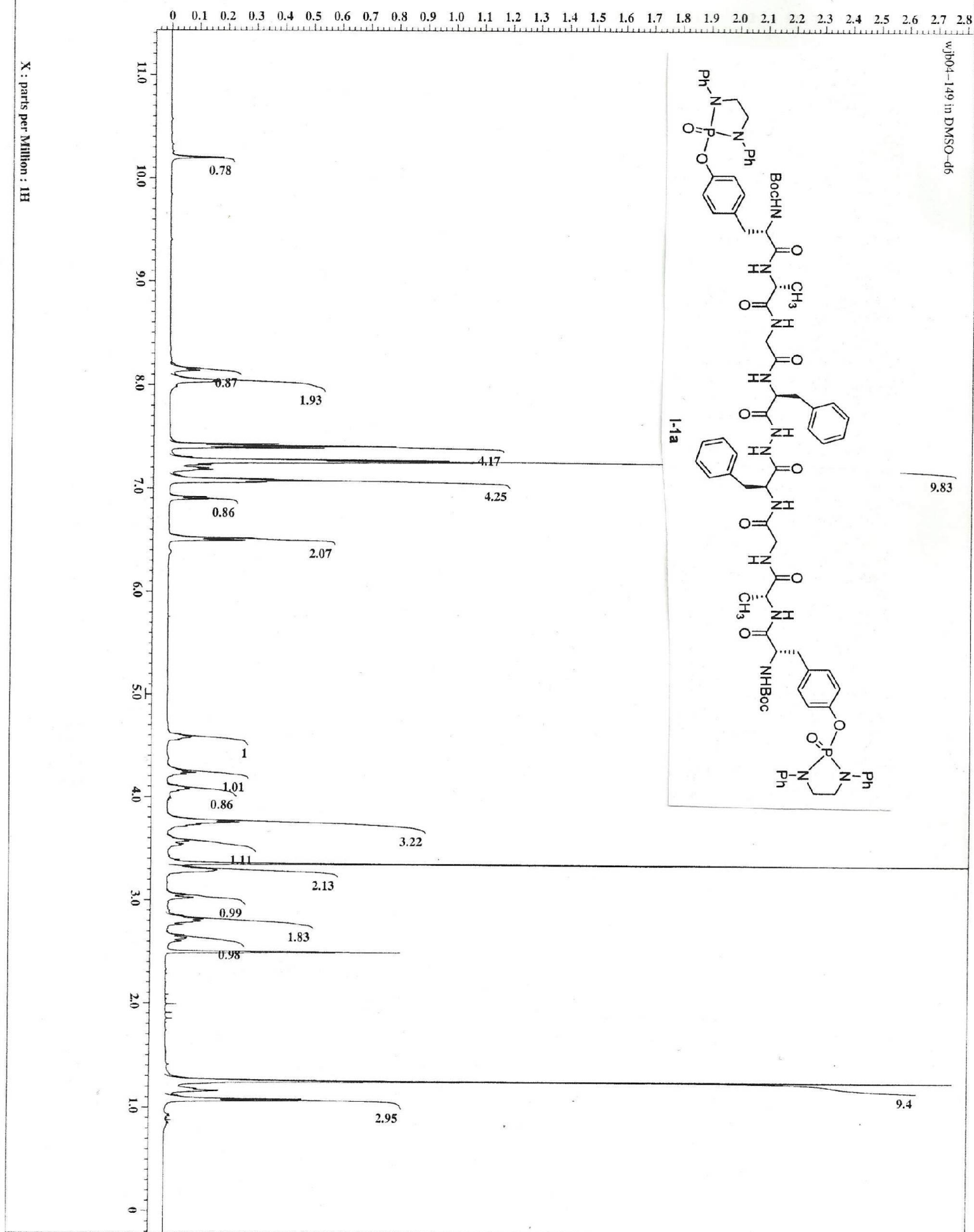


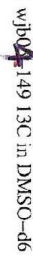


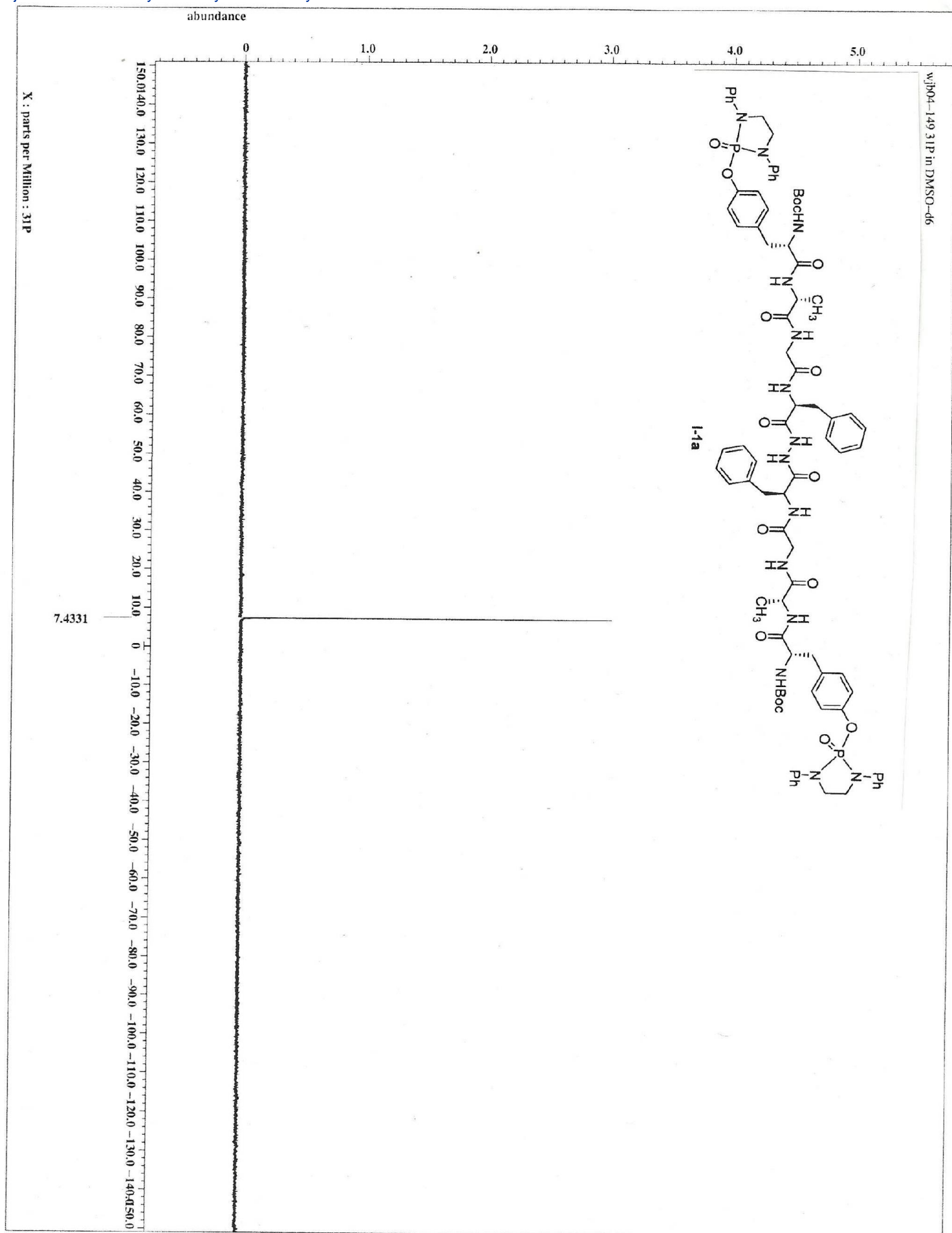
W04-148

#161 RT: 0.585 AV: 10 IT: 10.000 ST: 0.20 US: 1 NL: 9.65E2
F: ITMS + p ESI Full ms [85.00-1300.00] Page 1 of 1





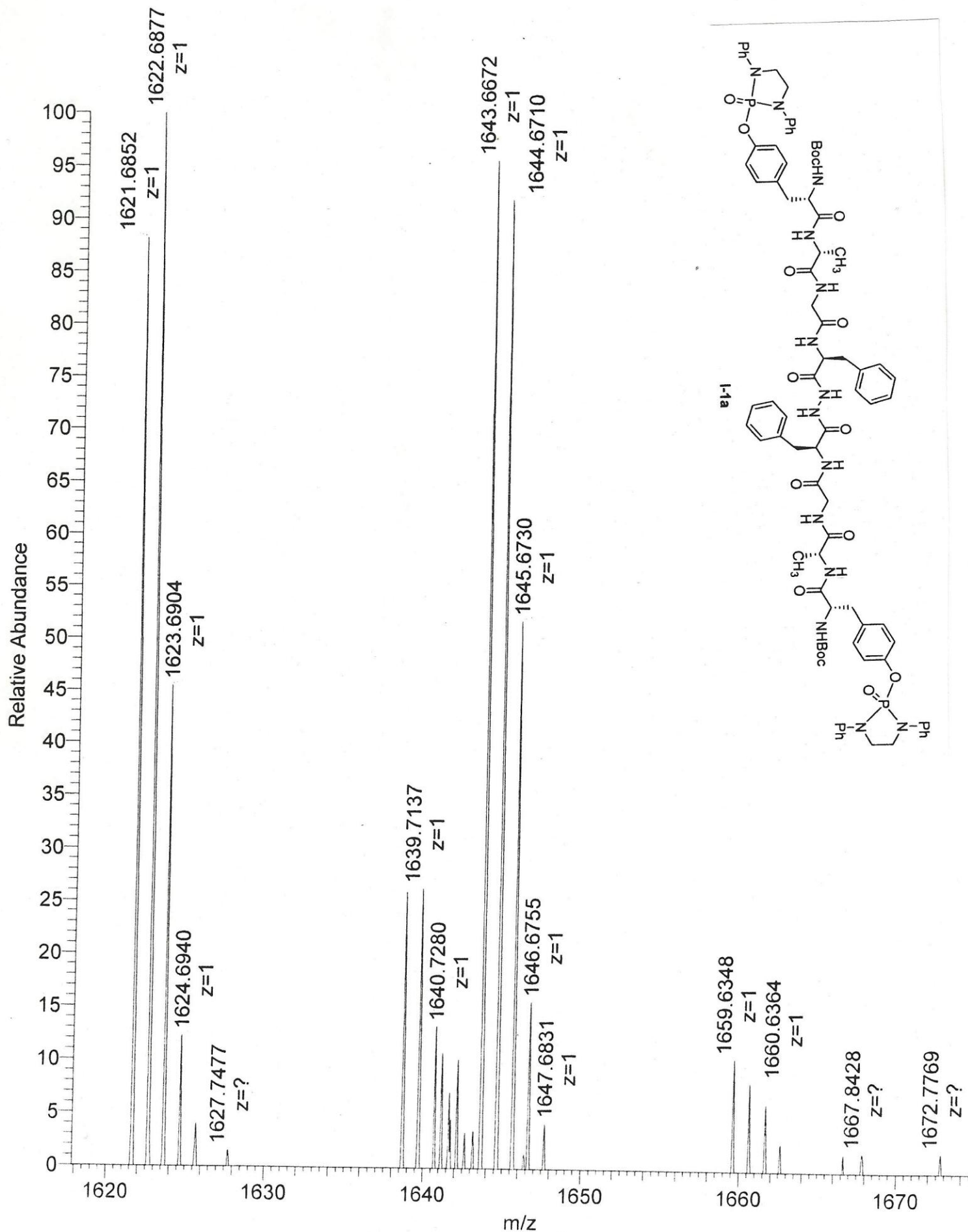


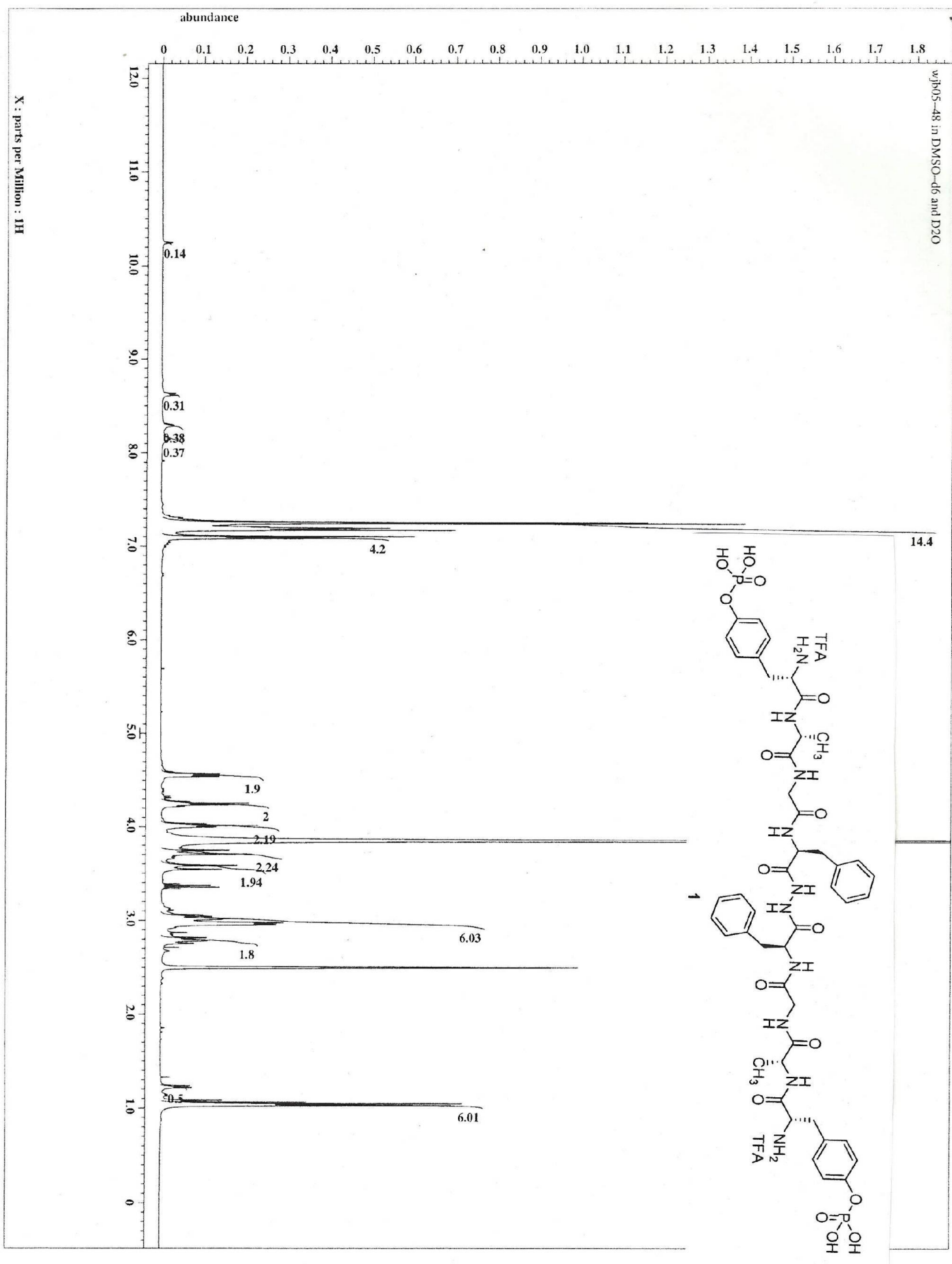


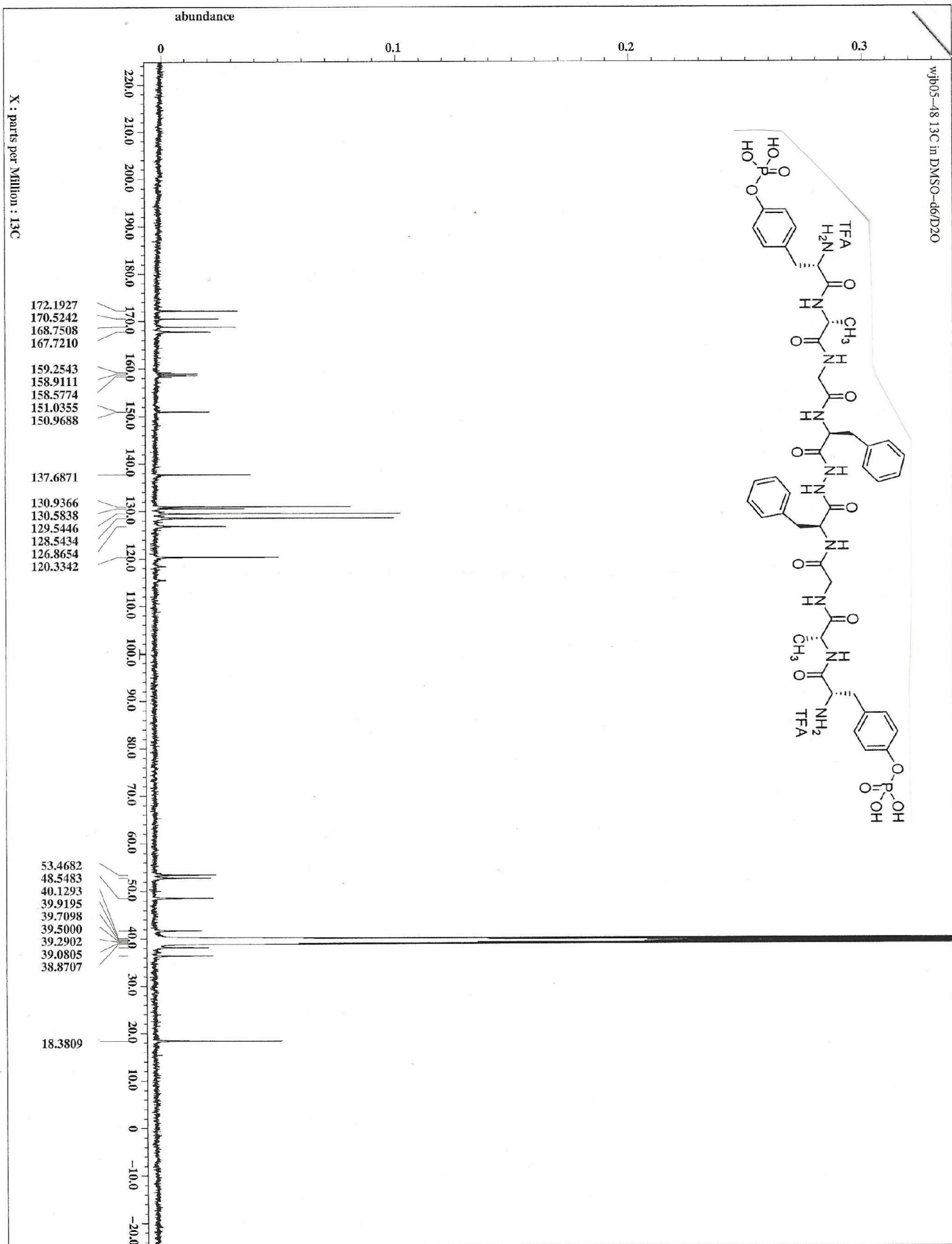
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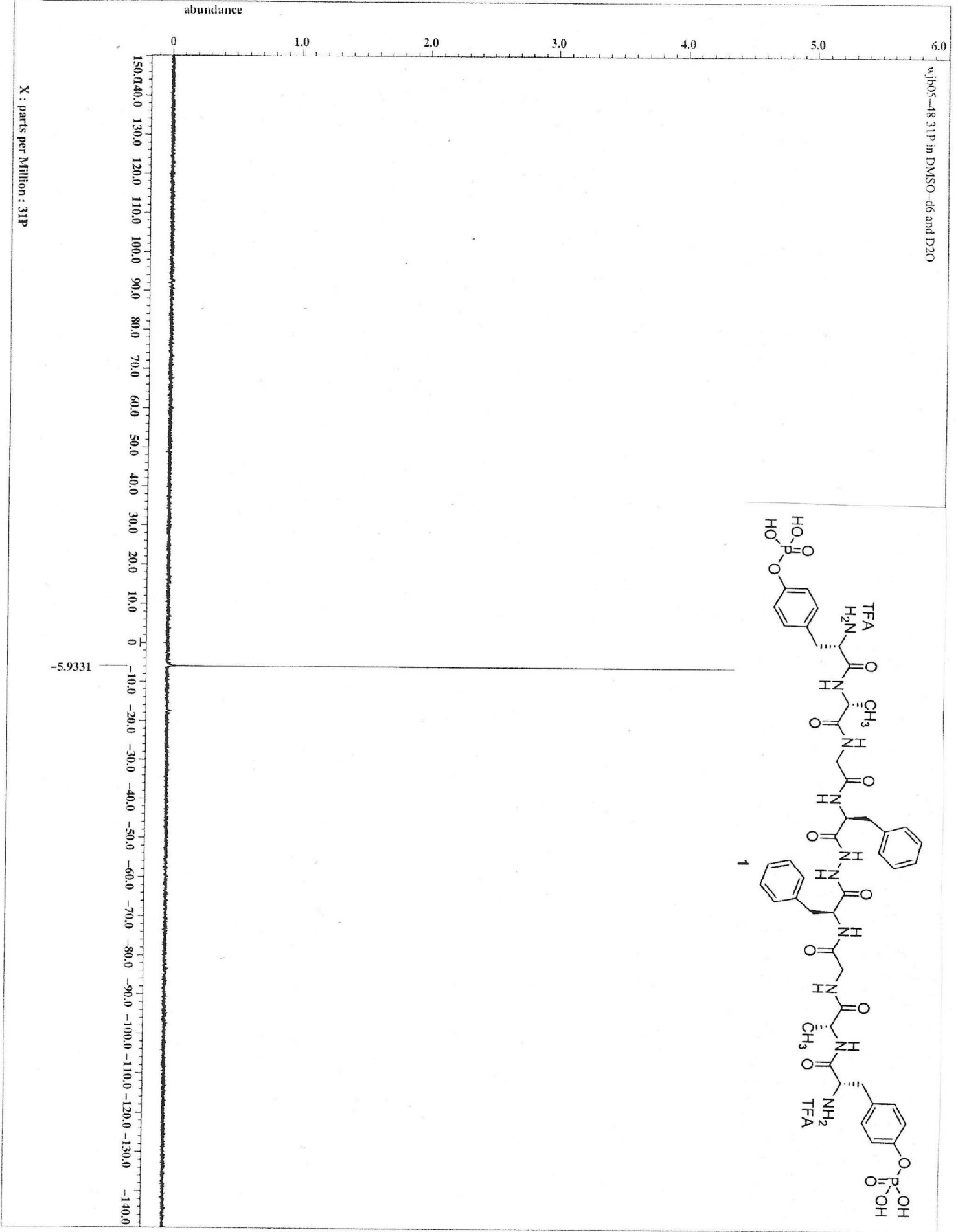
12/4/2012 3:48:12 PM

W04-149_12042012_01 #5 RT: 0.04 AV: 1 NL: 7.25E4
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WJB-05-48_12042012_01 #130 RT: 1.95 AV: 1 NL: 5.86E5
T: FTMS + p ESI Full ms [150.00-2000.00]

