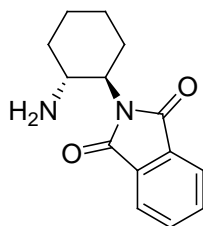
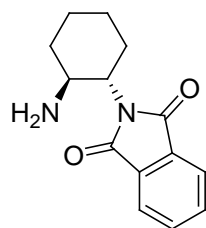
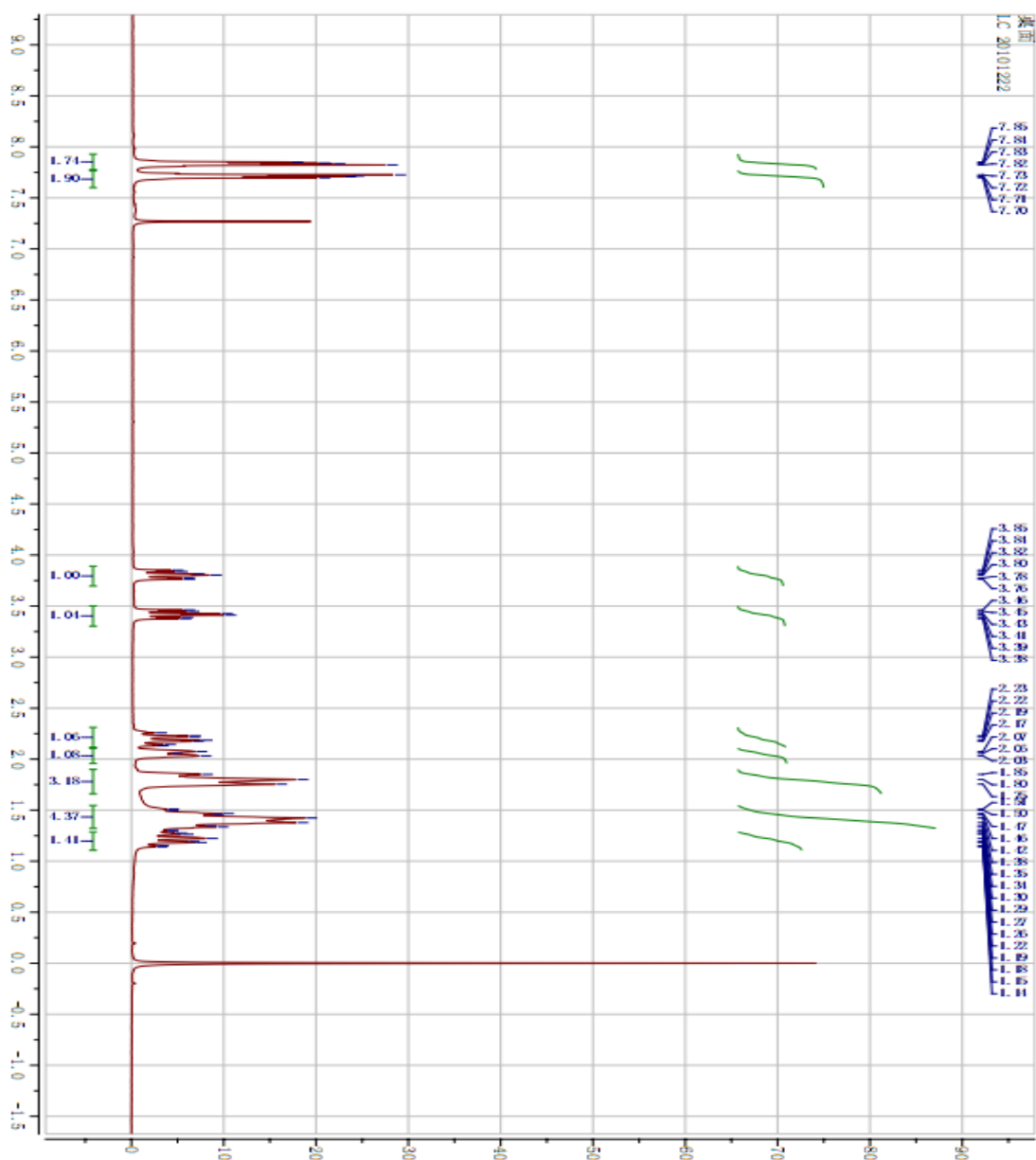


Supporting Information

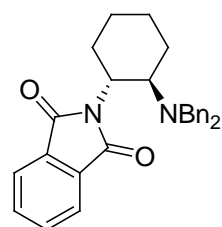
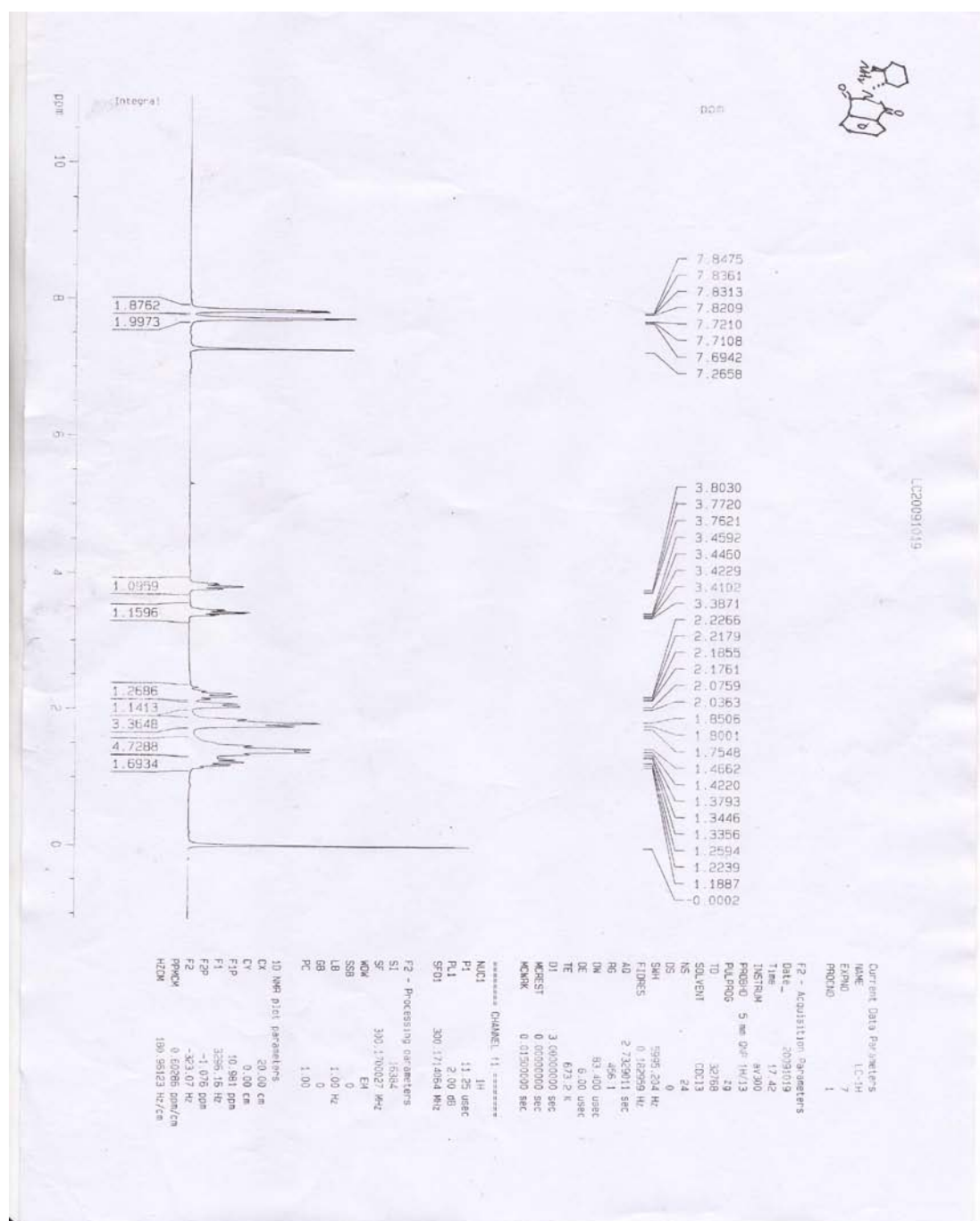
Copies of ^1H NMR and ^{13}C NMR of Compounds



(1R,2R)-N-Phthaloyl-1,2-diaminocyclohexane



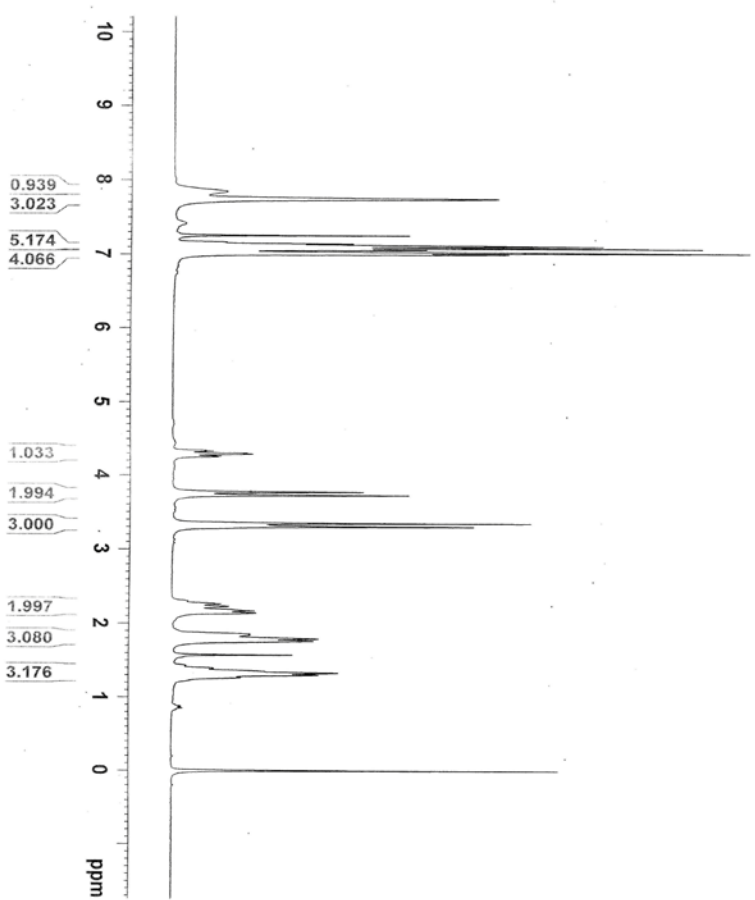
(1R,2R)-N-Phthaloyl-1,2-diaminocyclohexane



(1R,2R)-N,N-Dibenzyl-N'-phthaloyl-1,2-diaminocyclohexane

LC 20100324 D

- 7.848
- 7.749
- 7.257
- 7.166
- 7.145
- 7.114
- 7.089
- 7.067
- 7.028
- 7.005
- 4.342
- 4.330
- 4.303
- 4.292
- 4.265
- 4.253
- 3.773
- 3.728
- 3.350
- 3.329
- 3.305
- 2.275
- 2.264
- 2.233
- 2.172
- 2.144
- 1.859
- 1.844
- 1.794
- 1.763
- 1.576
- 1.396
- 1.388
- 1.350
- 1.328
- 1.303
- 1.267
- 0.000

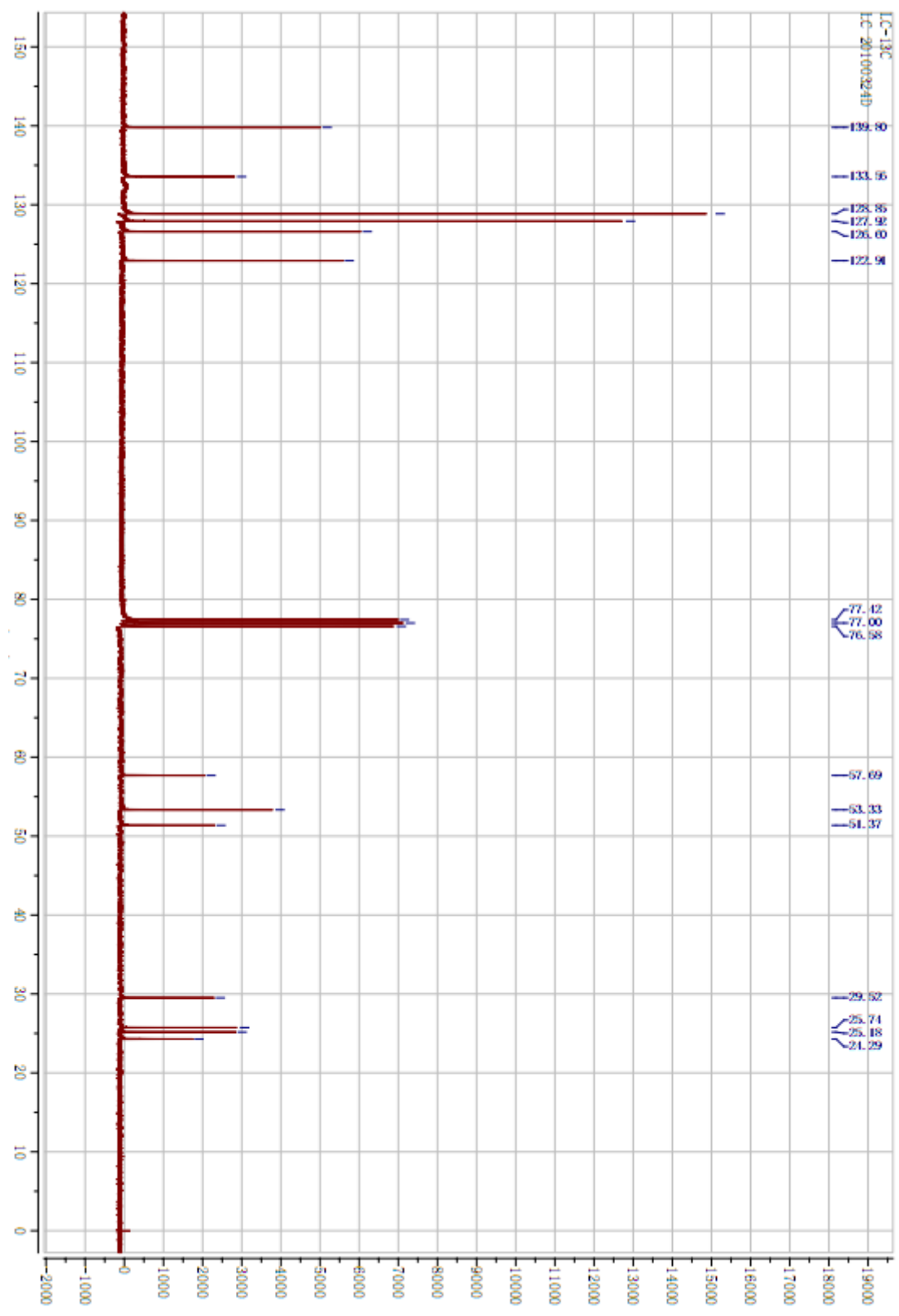


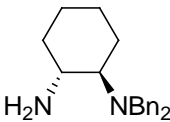
Current Data Parameters
NAME LC-1H
EXPNO 24
PROCNO 1

F2 - Acquisition Parameters
Date_ 20100325
Time 15.59
INSTRUM av300
PROBHD 5 mm Multinuc1
PULPROG zg
TD 32768
SOLVENT CDCl3
NS 16
DS 0
SWH 5995.204 Hz
FIDRES 0.182959 Hz
AQ 2.7329011 sec
RG 25.4
DM 83.400 usec
DE 6.00 usec
TE 673.2 K
D1 3.00000000 sec
MCREST 0.00000000 sec
MCMRK 0.01500000 sec

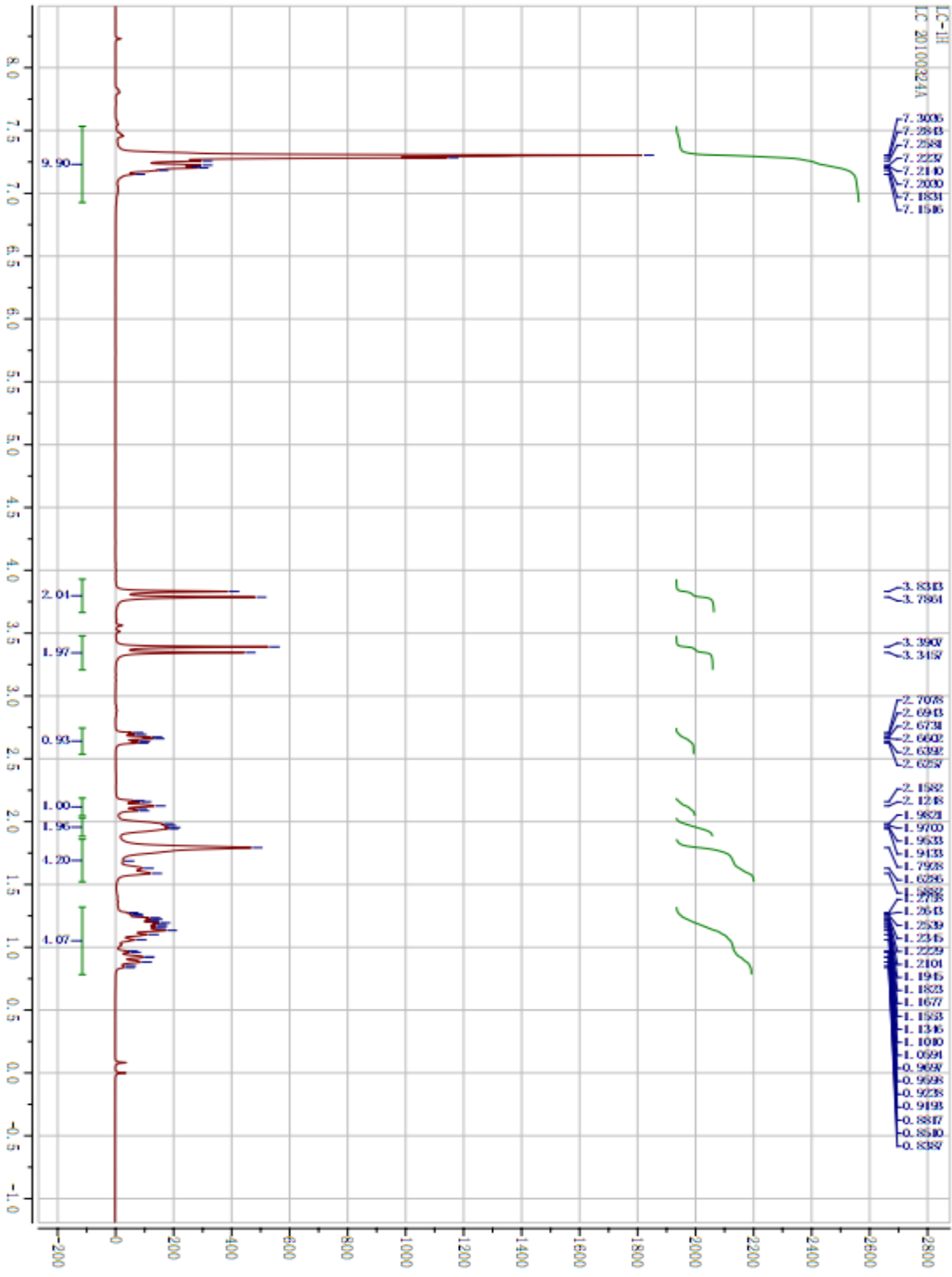
===== CHANNEL f1 =====
NUC1 1H
P1 12.30 usec
PL1 2.00 dB
SFO1 300.1718010 MHz

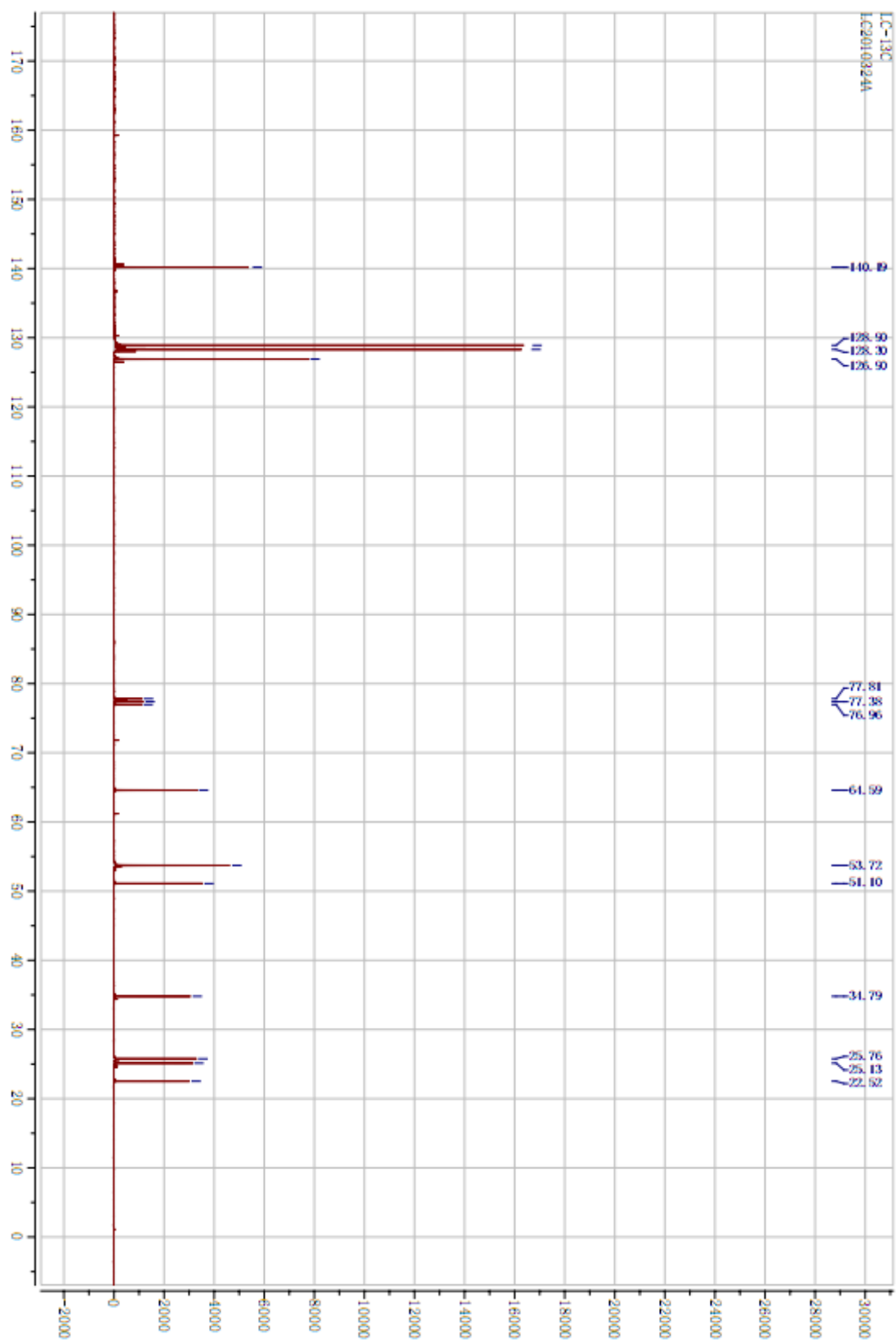
F2 - Processing parameters
SI 16384
SF 300.1700051 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.00

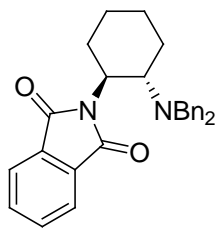




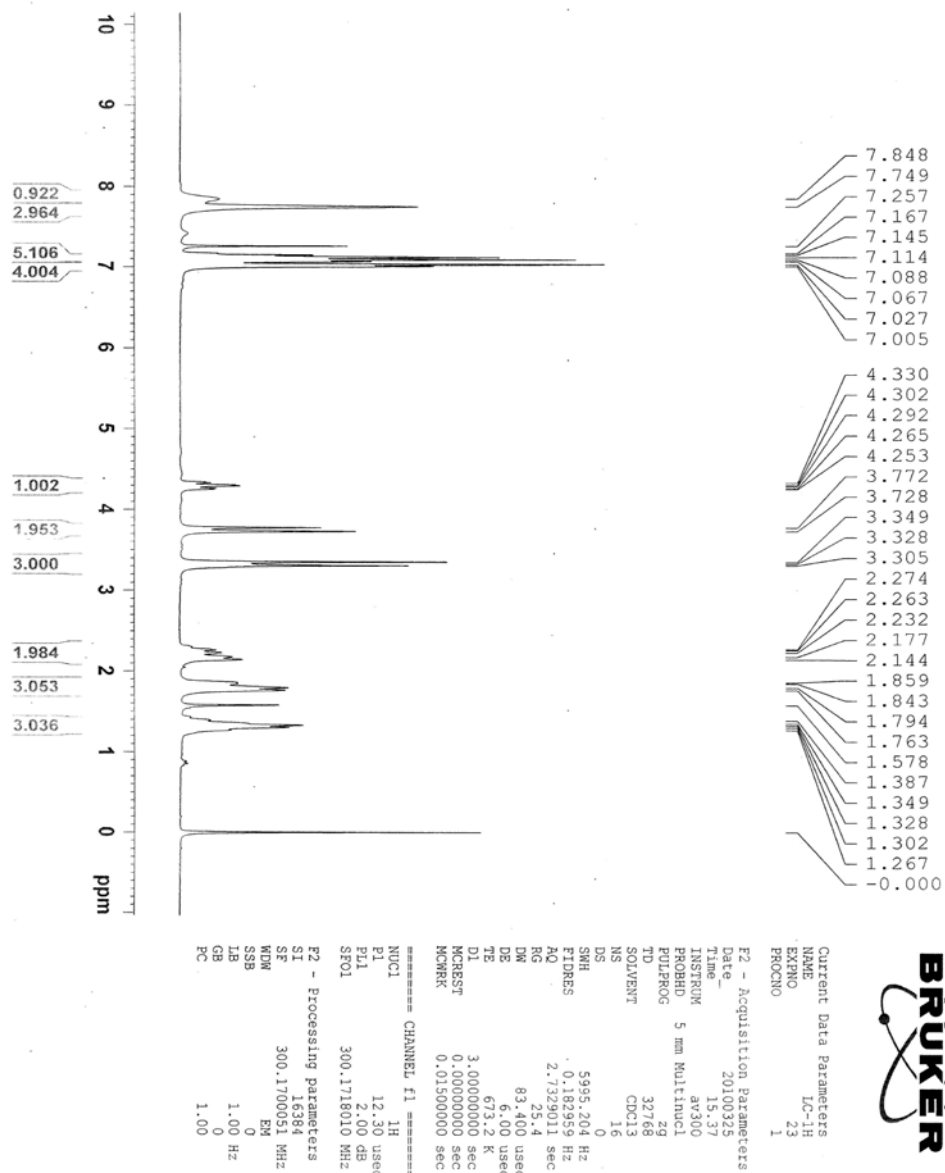
(1*R*,2*R*)-*N,N*-Dibenzyl-1,2-diaminocyclohexane (**1a**)

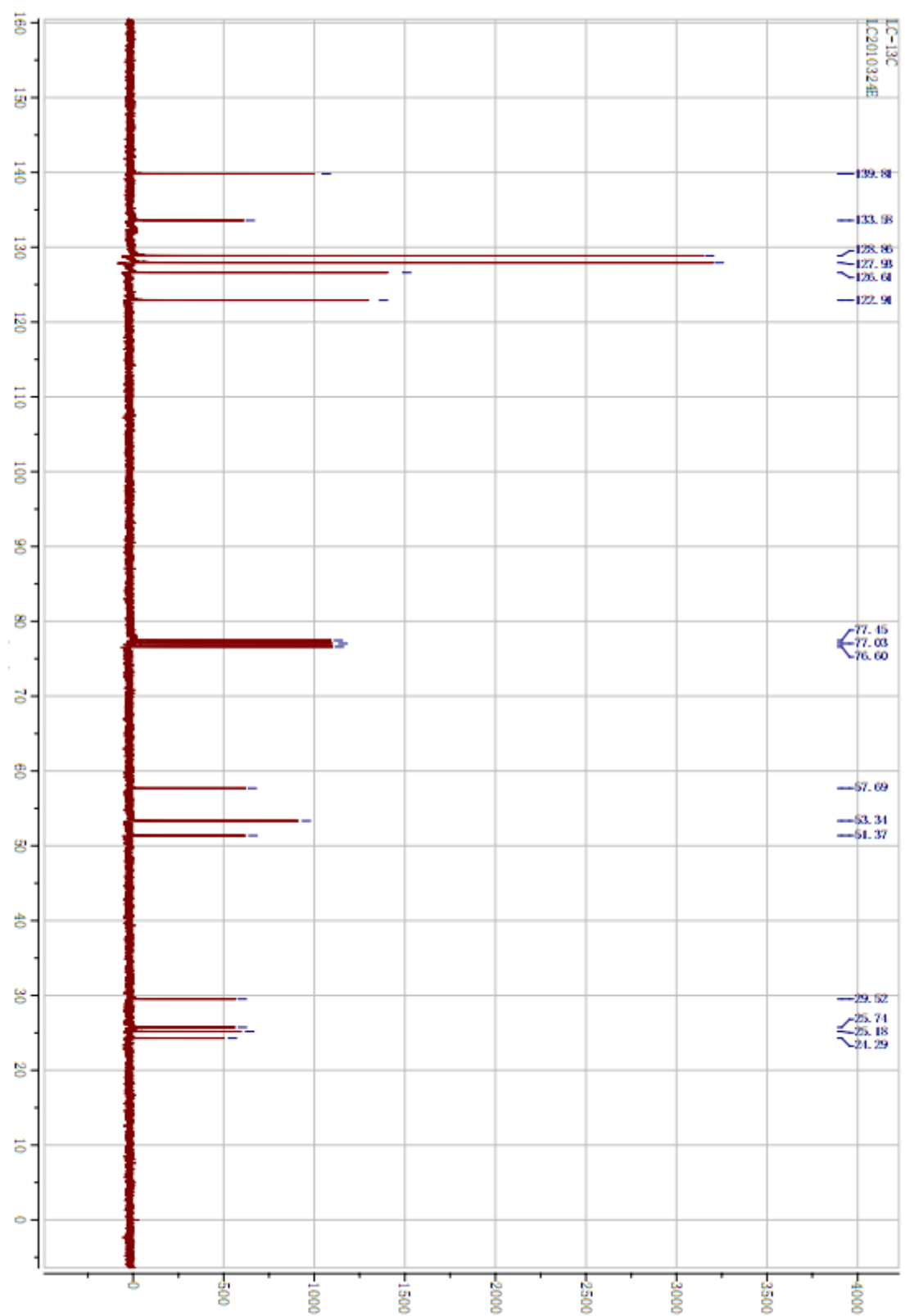


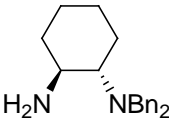




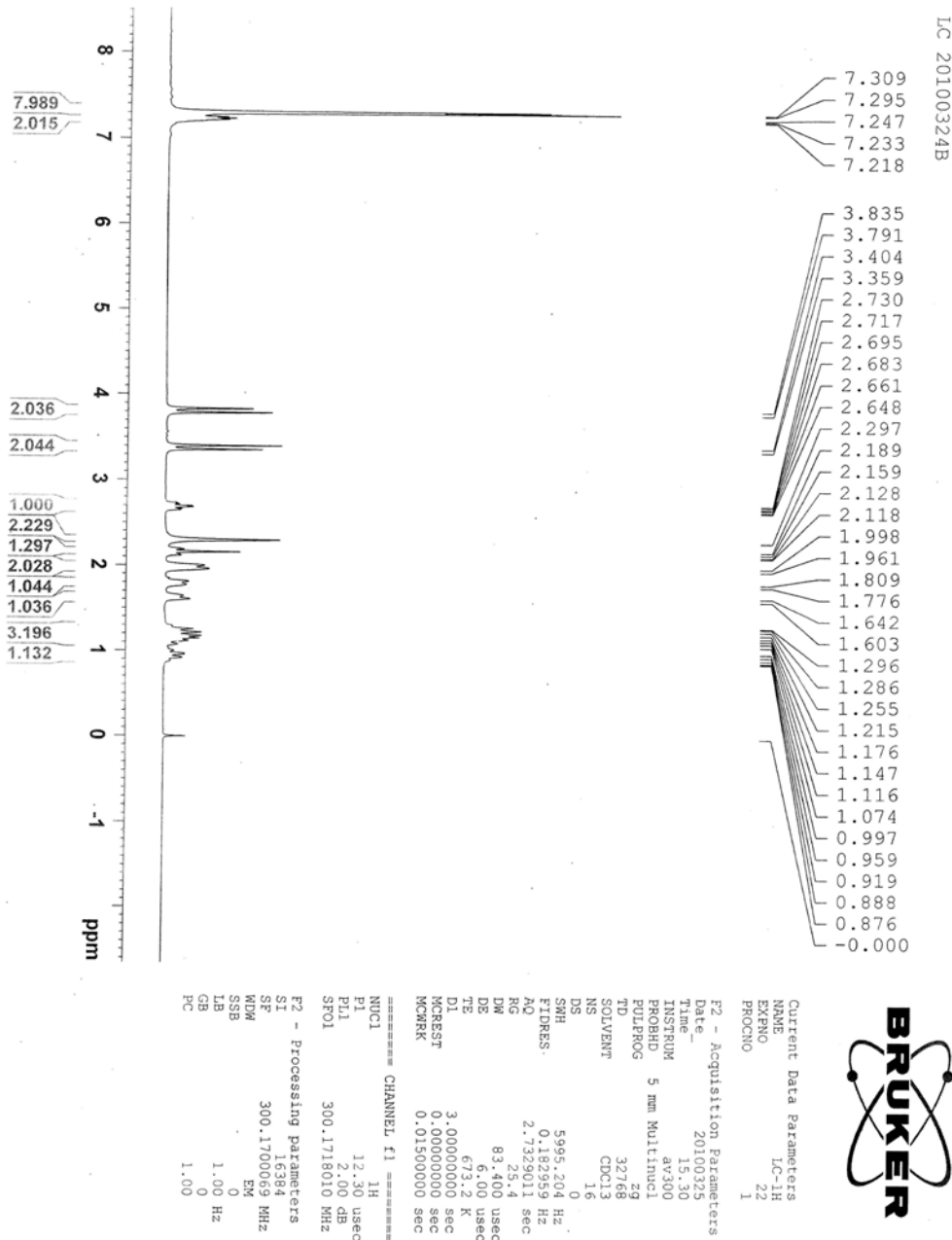
(1*S*,2*S*)-*N,N*-Dibenzyl-*N'*-phthaloyl-1,2-diaminocyclohexane

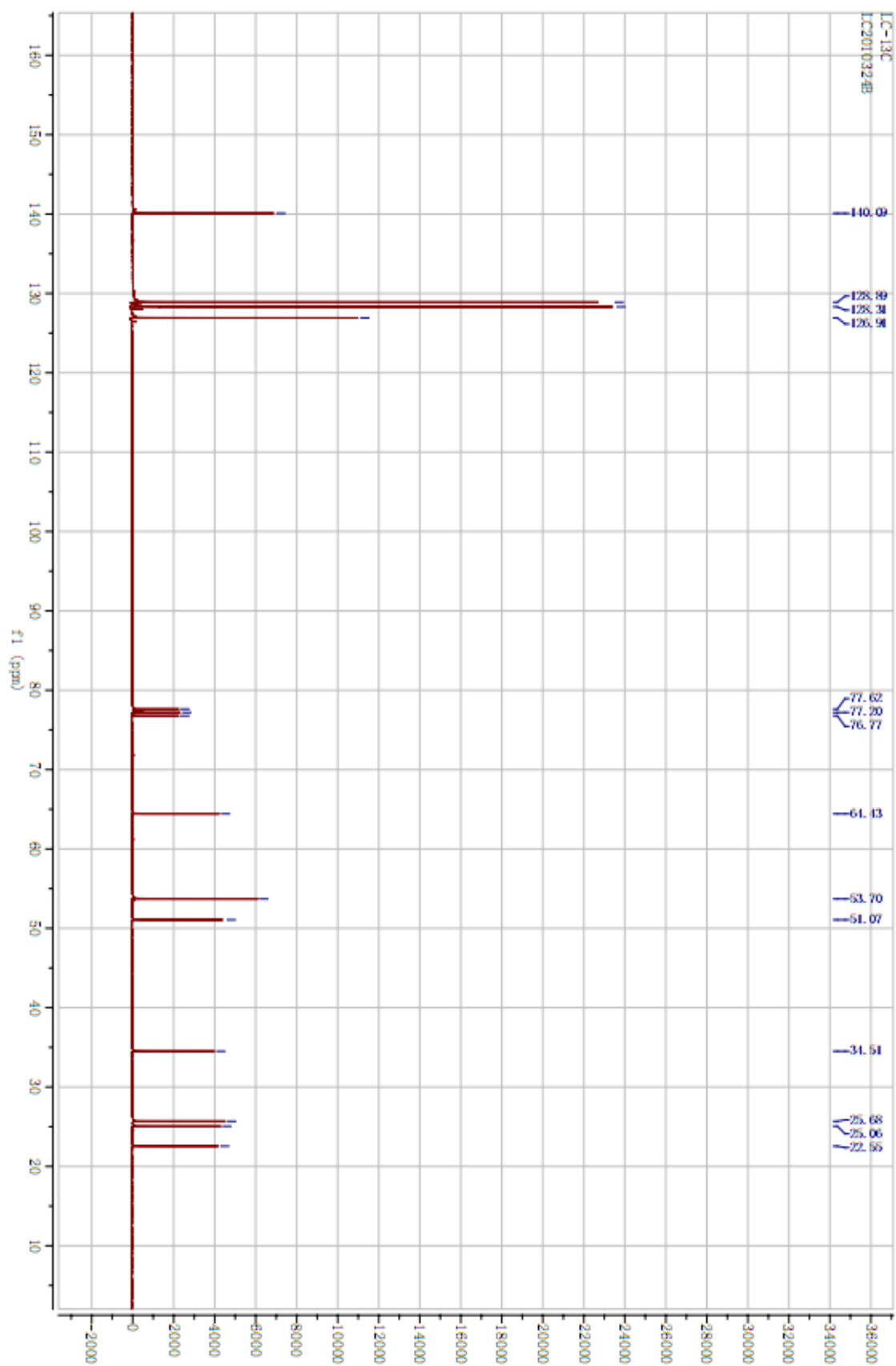


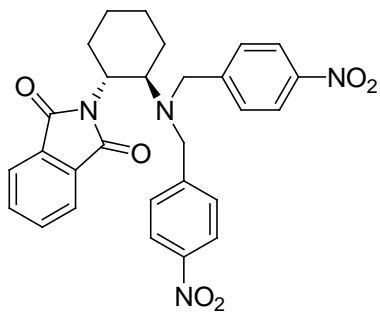




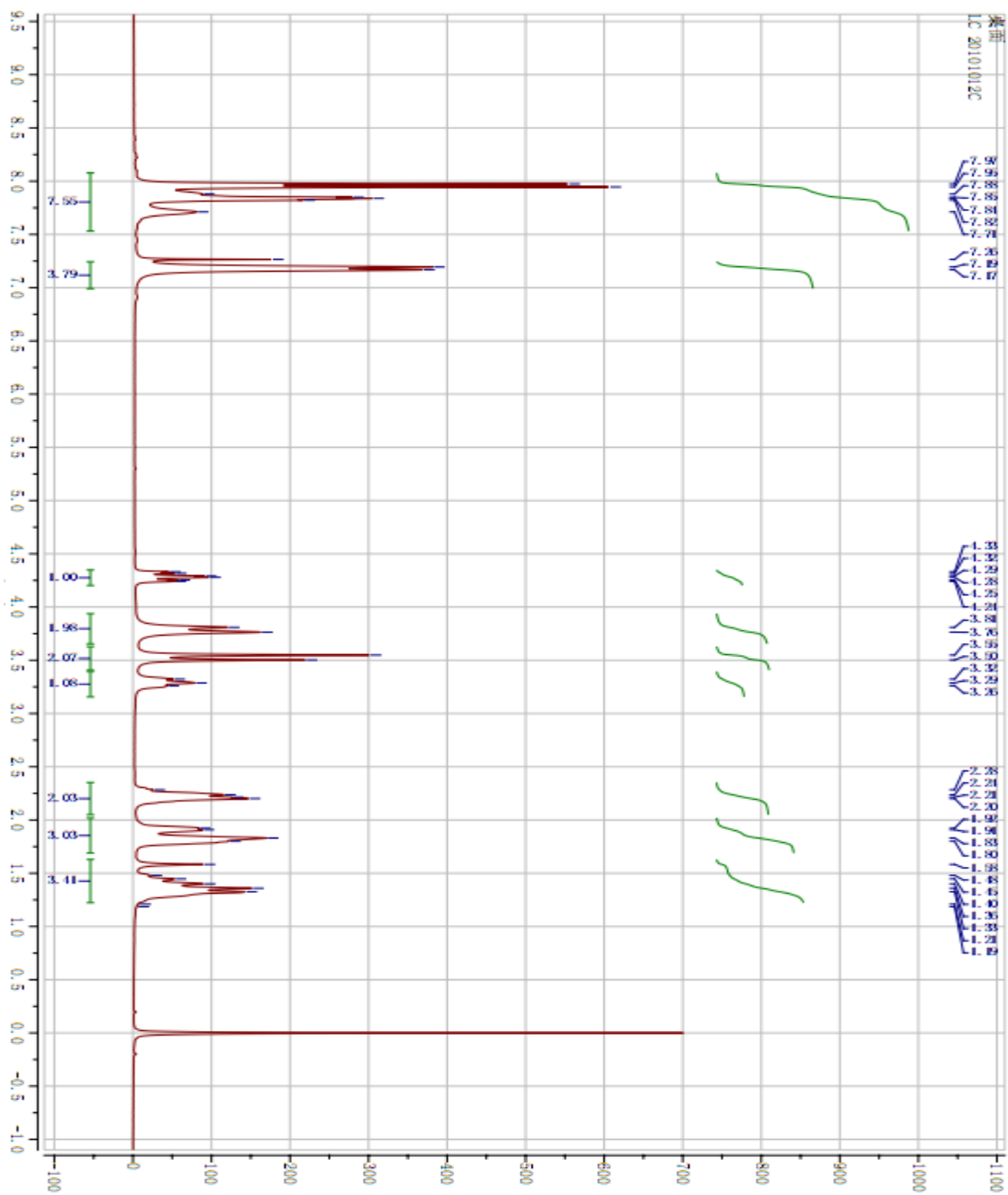
(1S,2S)-N,N-Dibenzyl-1,2-diaminocyclohexane (**1b**)

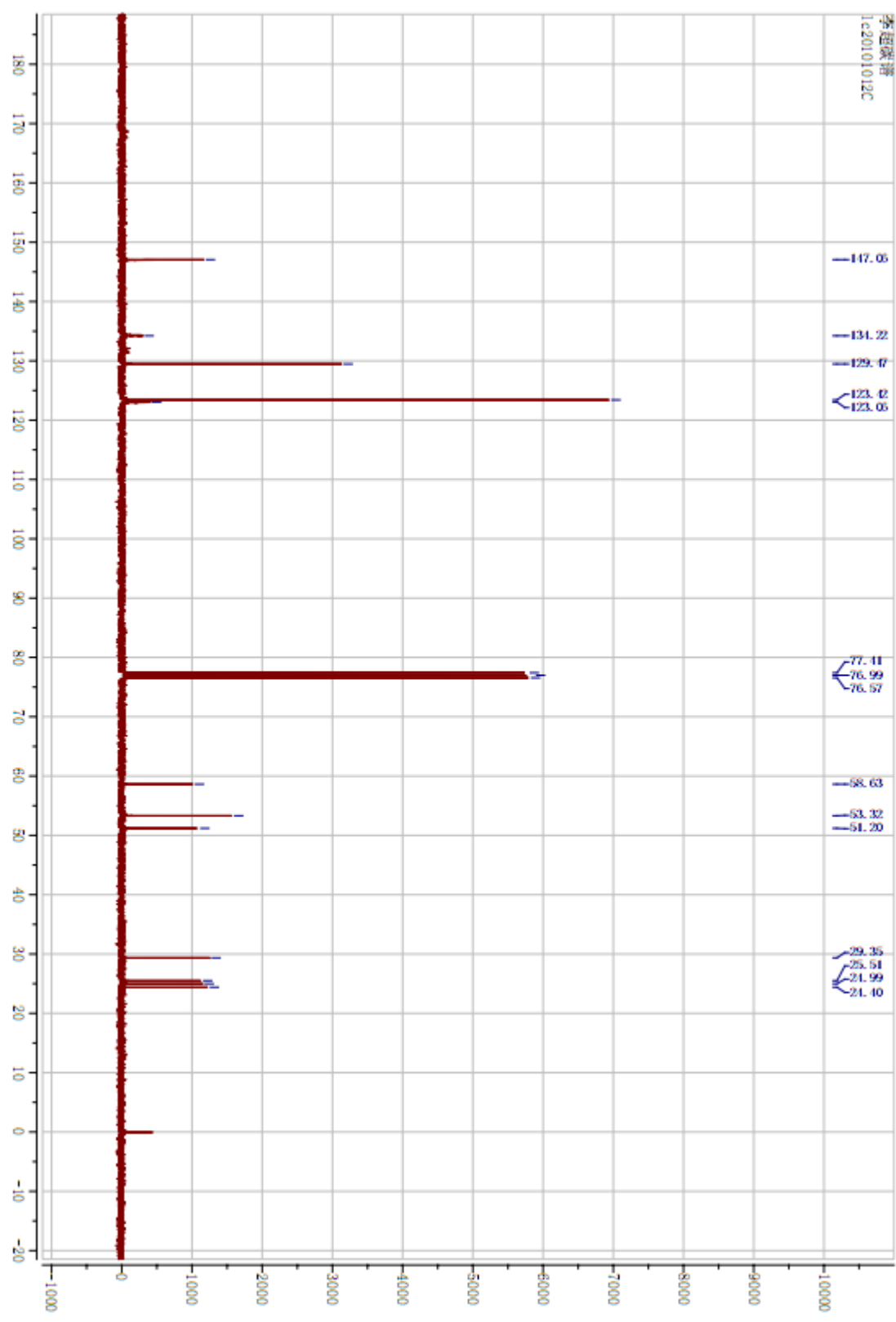


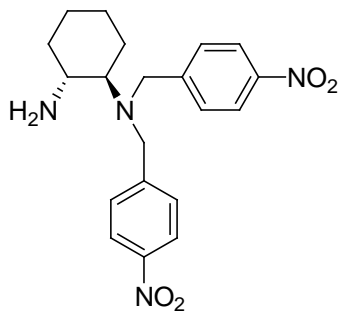




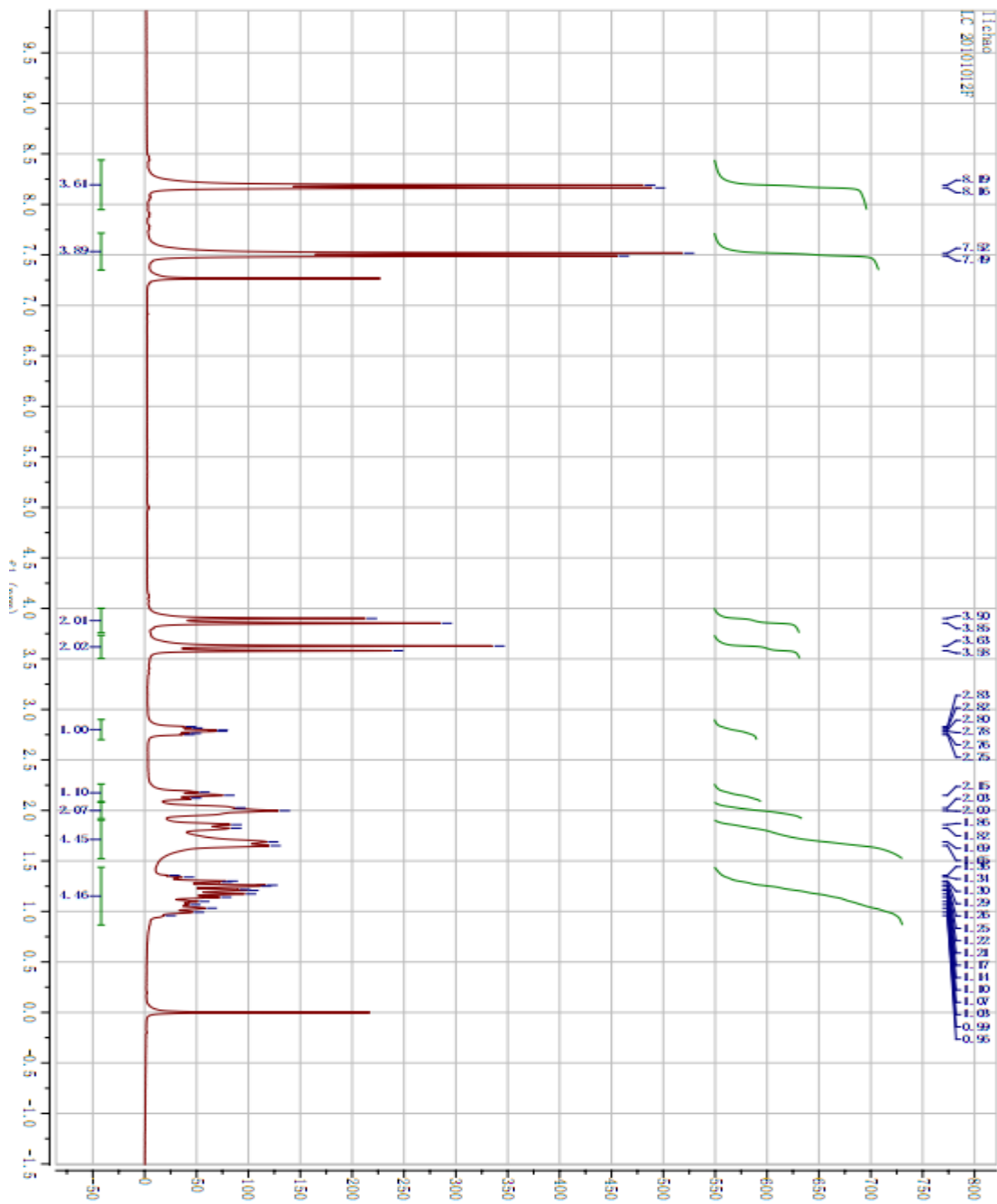
(1R,2R)-N,N-Di(4-nitrobenzyl)-N'-phthaloyl-1,2-diaminocyclohexane

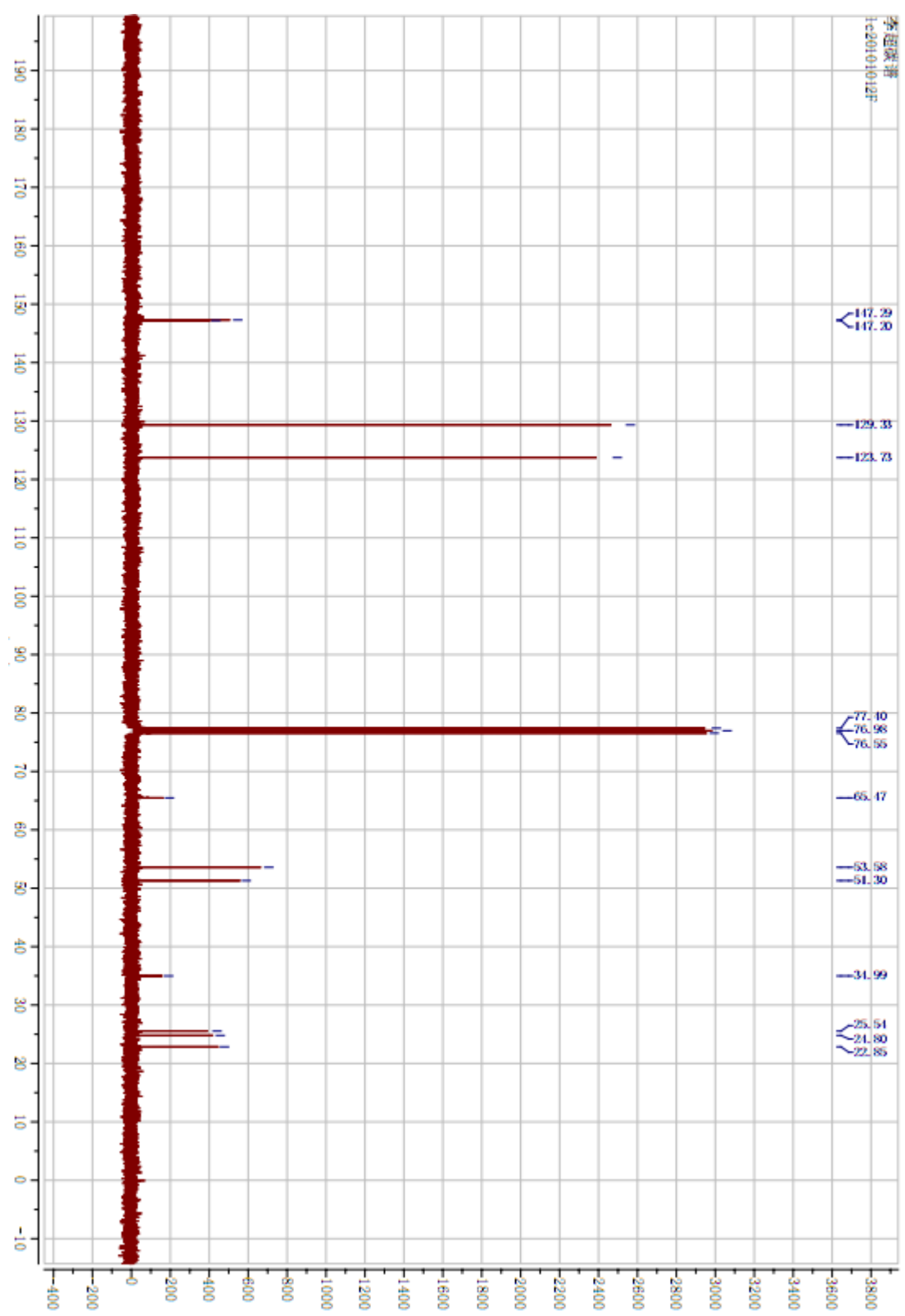


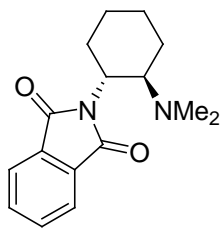




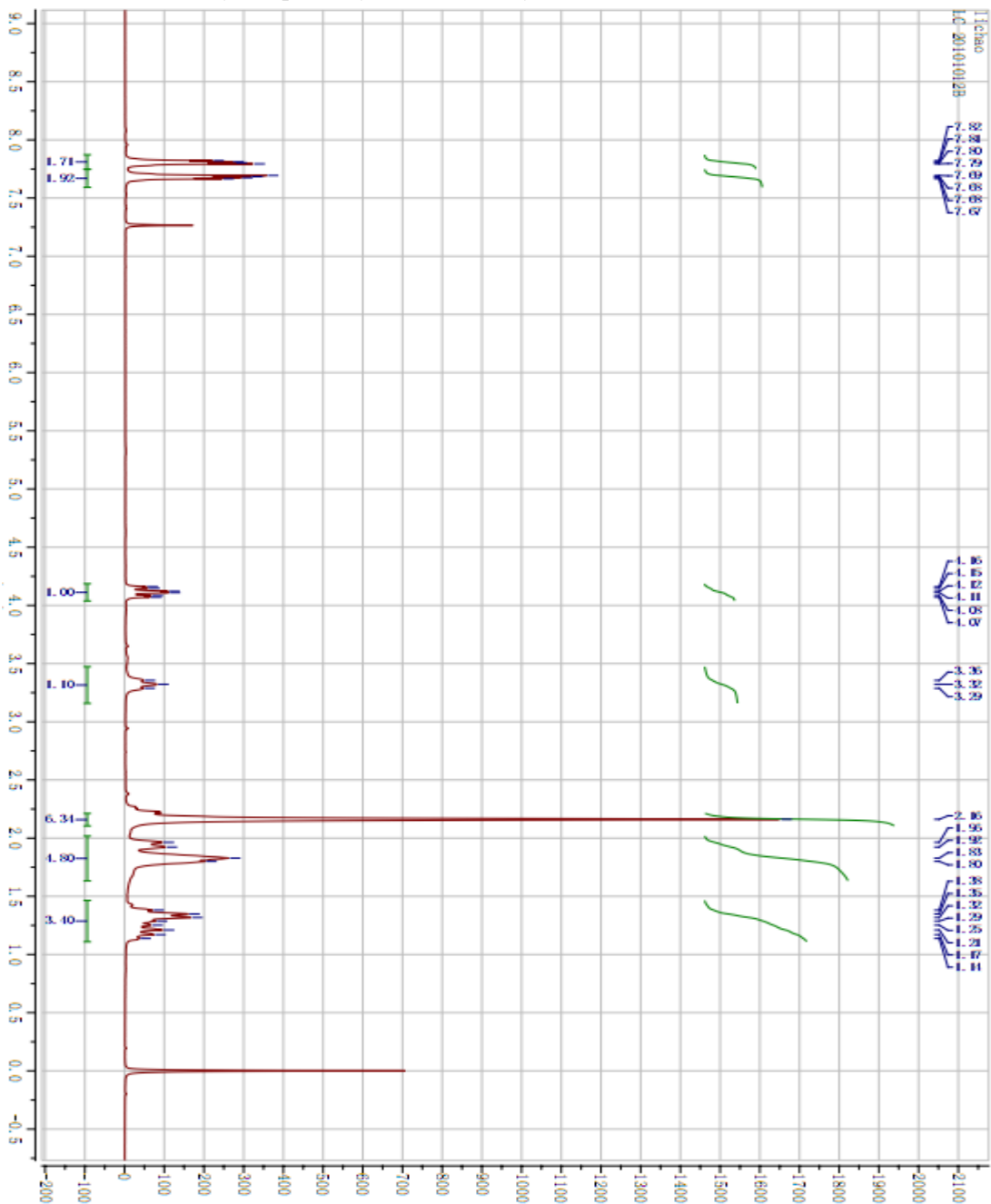
(1R,2R)-N,N-Di(4-nitrobenzyl)-1,2-diaminocyclohexane (**1c**)

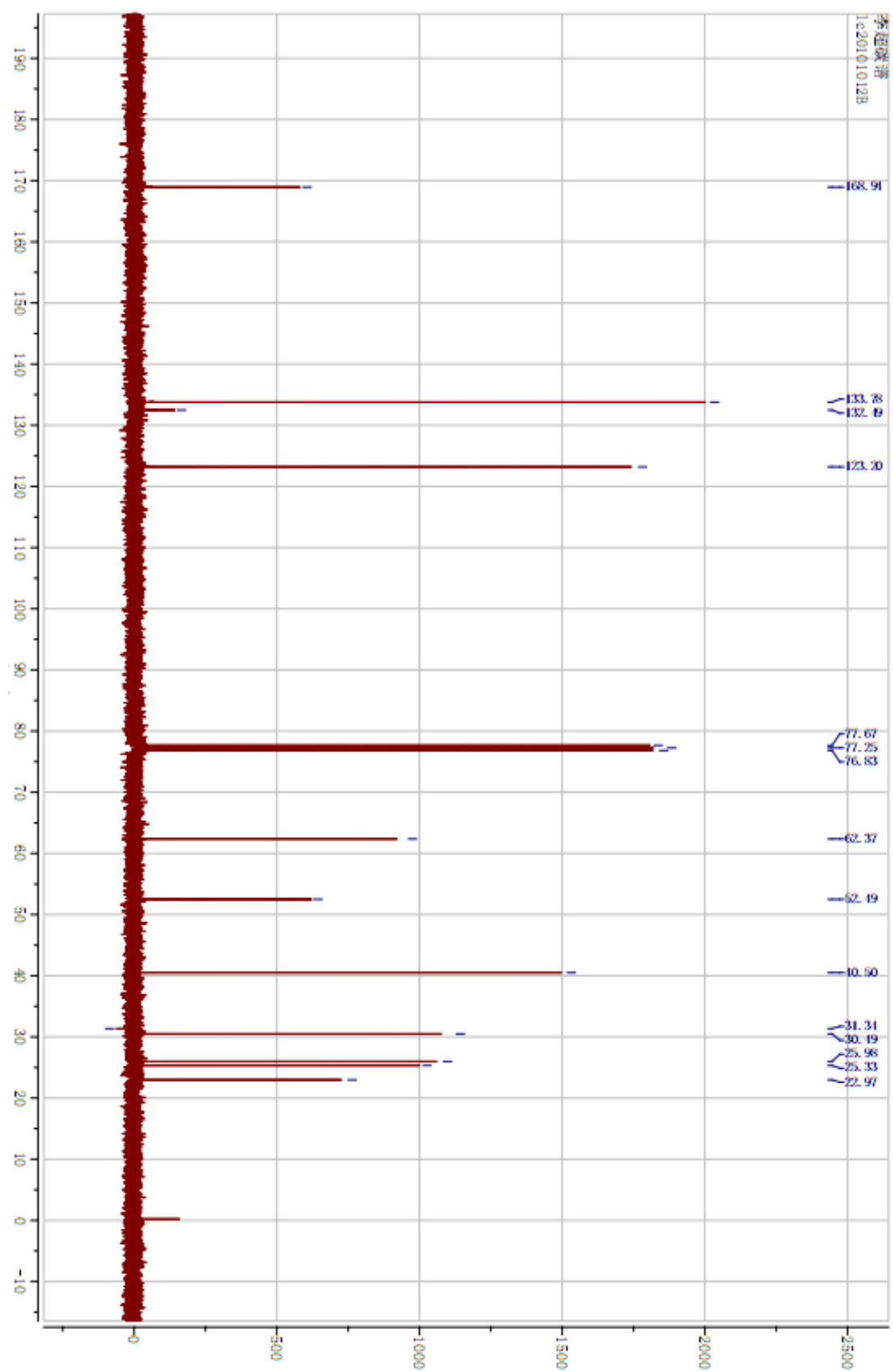


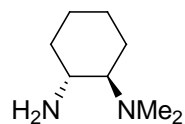




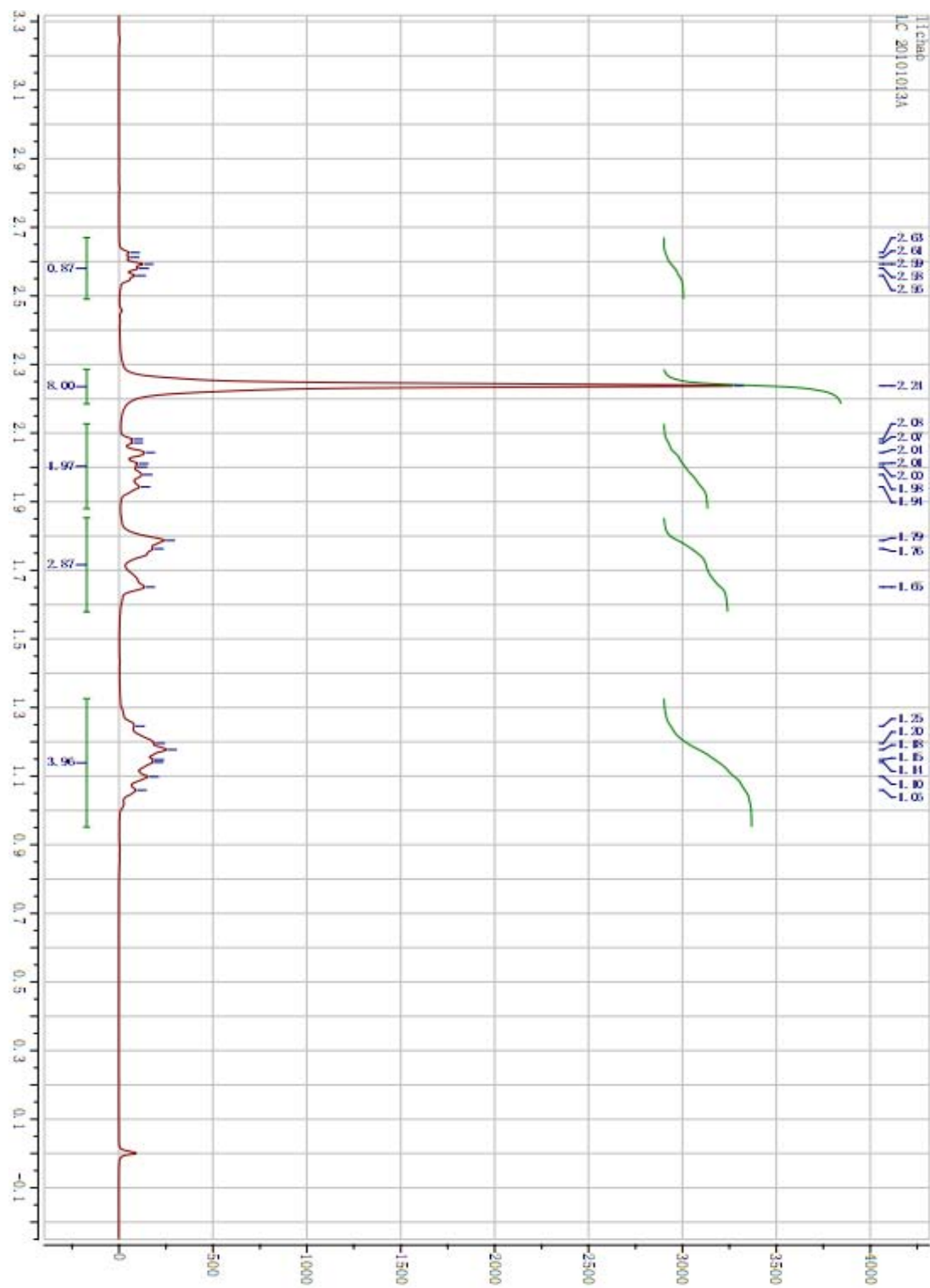
(1R,2R)-N,N-Dimethyl-N'-phthaloyl-1,2-diaminocyclohexane

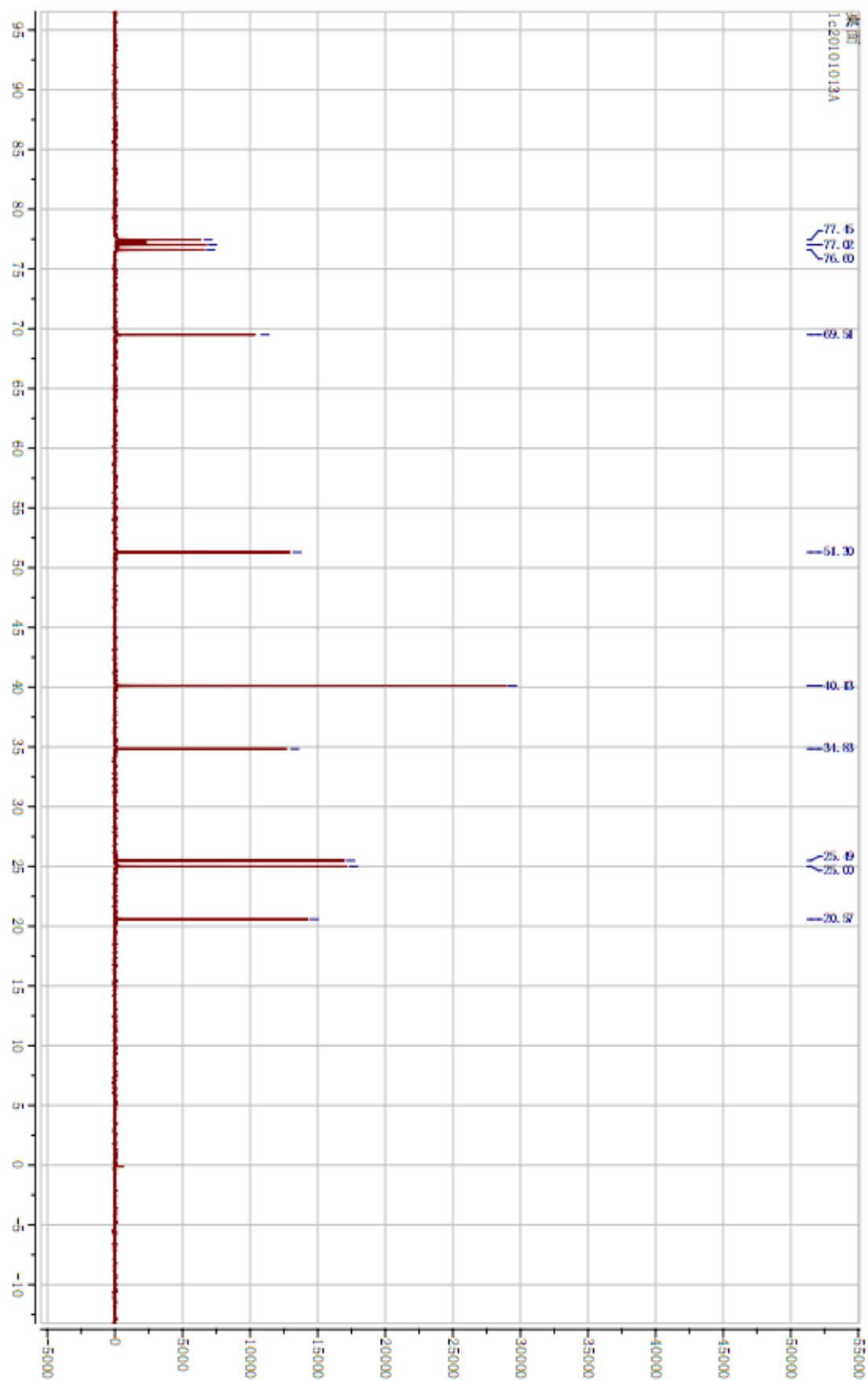


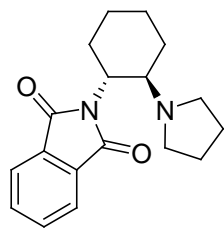




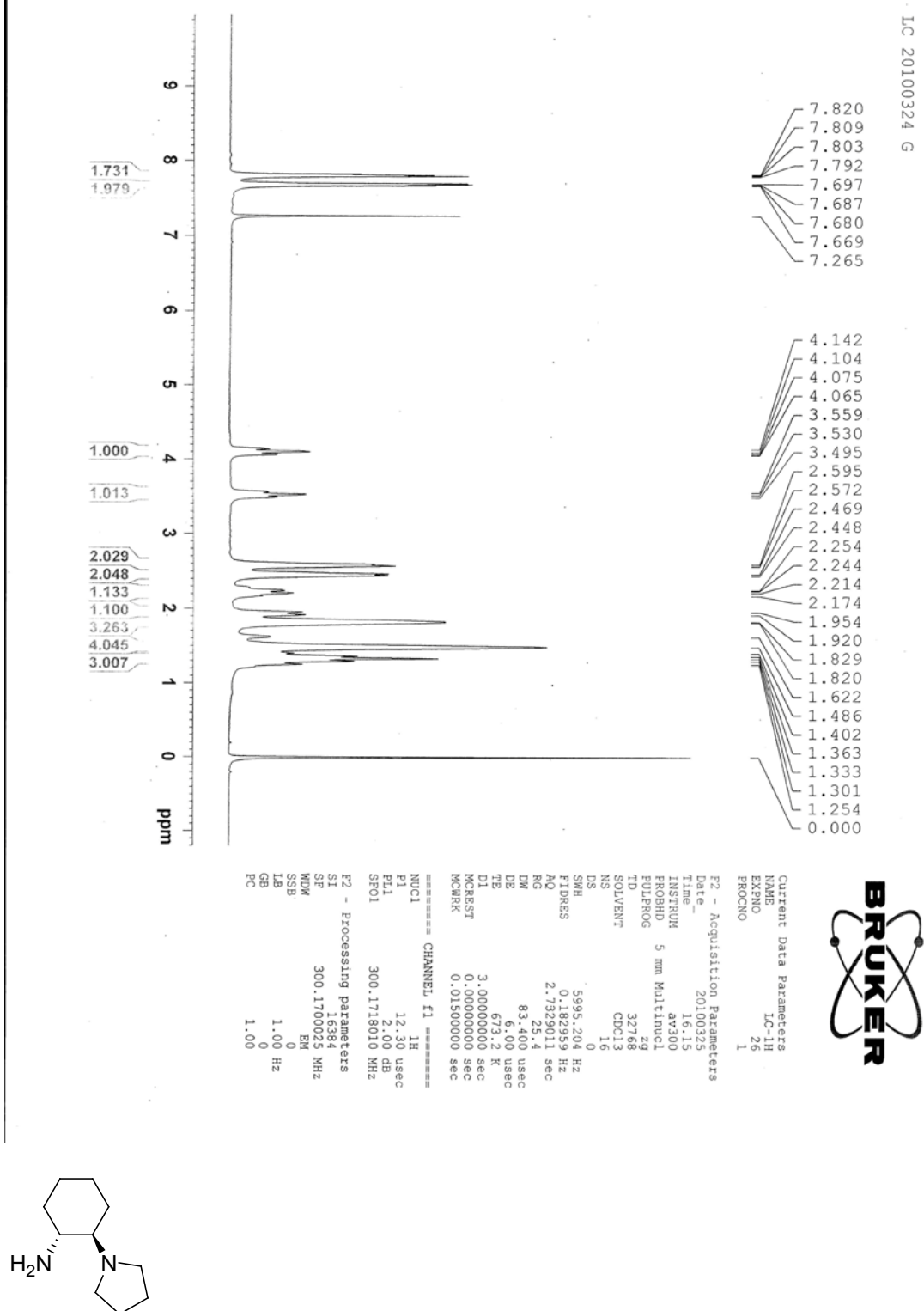
(1R,2R)-N,N- Dimethyl -1,2-diaminocyclohexane (**1d**)







2-((1R,2R)-2-(Pyrrolidin-1-yl)cyclohexyl)isoindoline-1,3-dione



(1R,2R)-2-(Pyrrolidin-1-yl)cyclohexanamine (**1e**)

