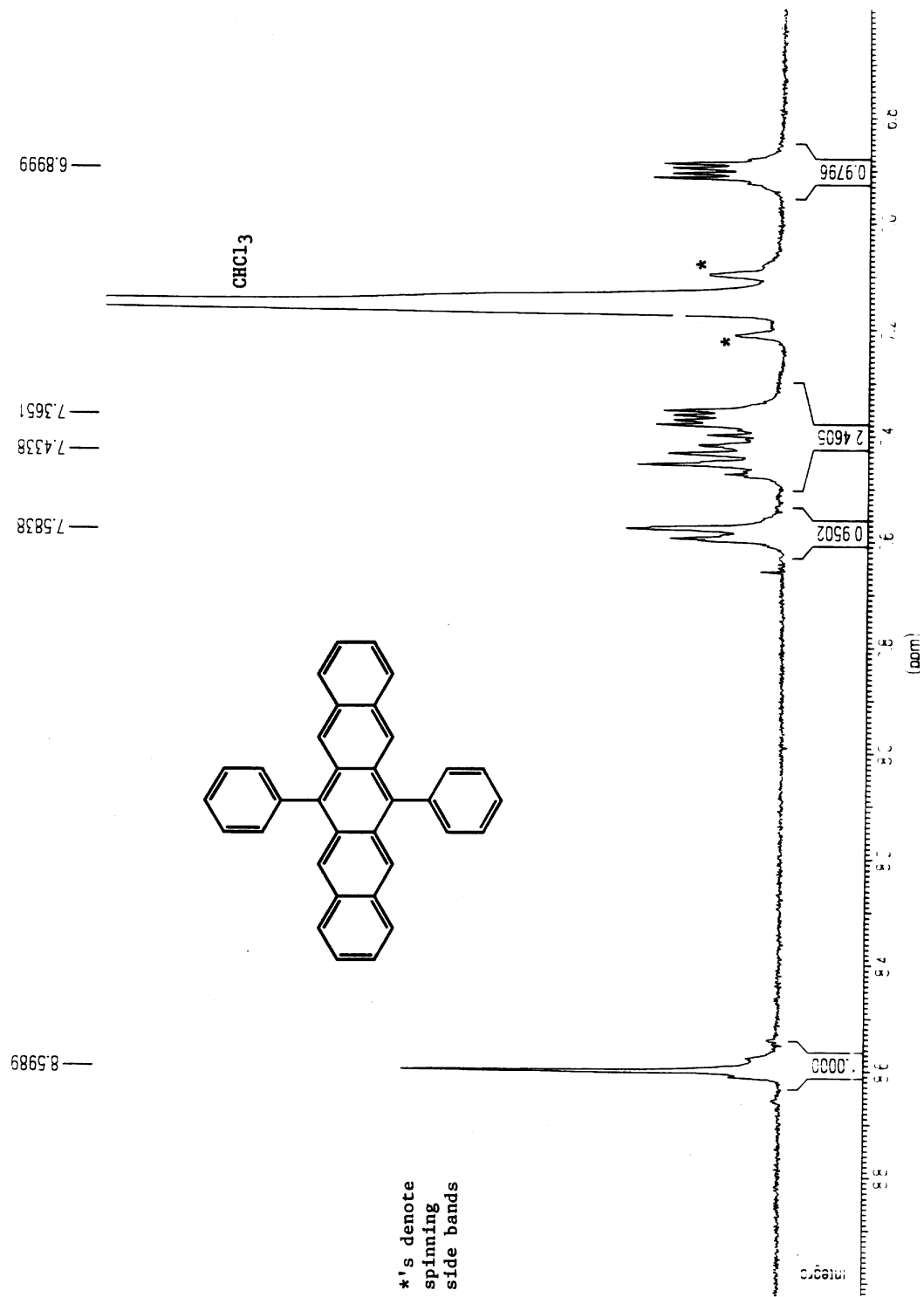


6,13 diphenylpentacene in benzene- d6

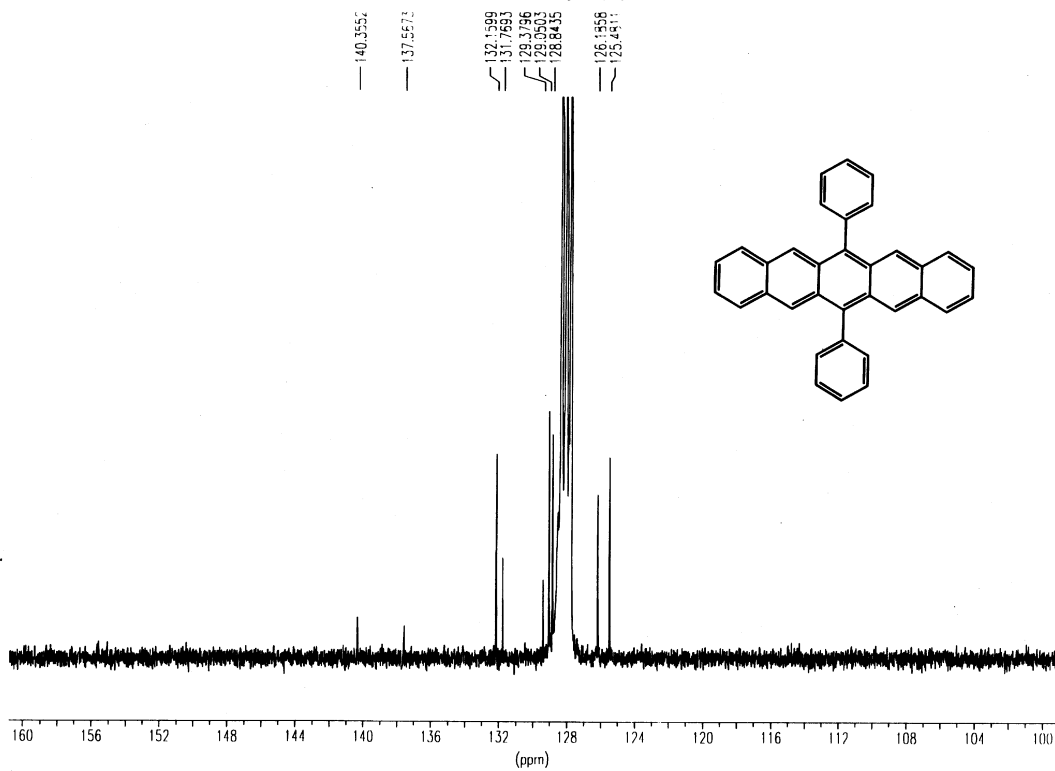
^1H NMR of 6,13-diphenylpentacene



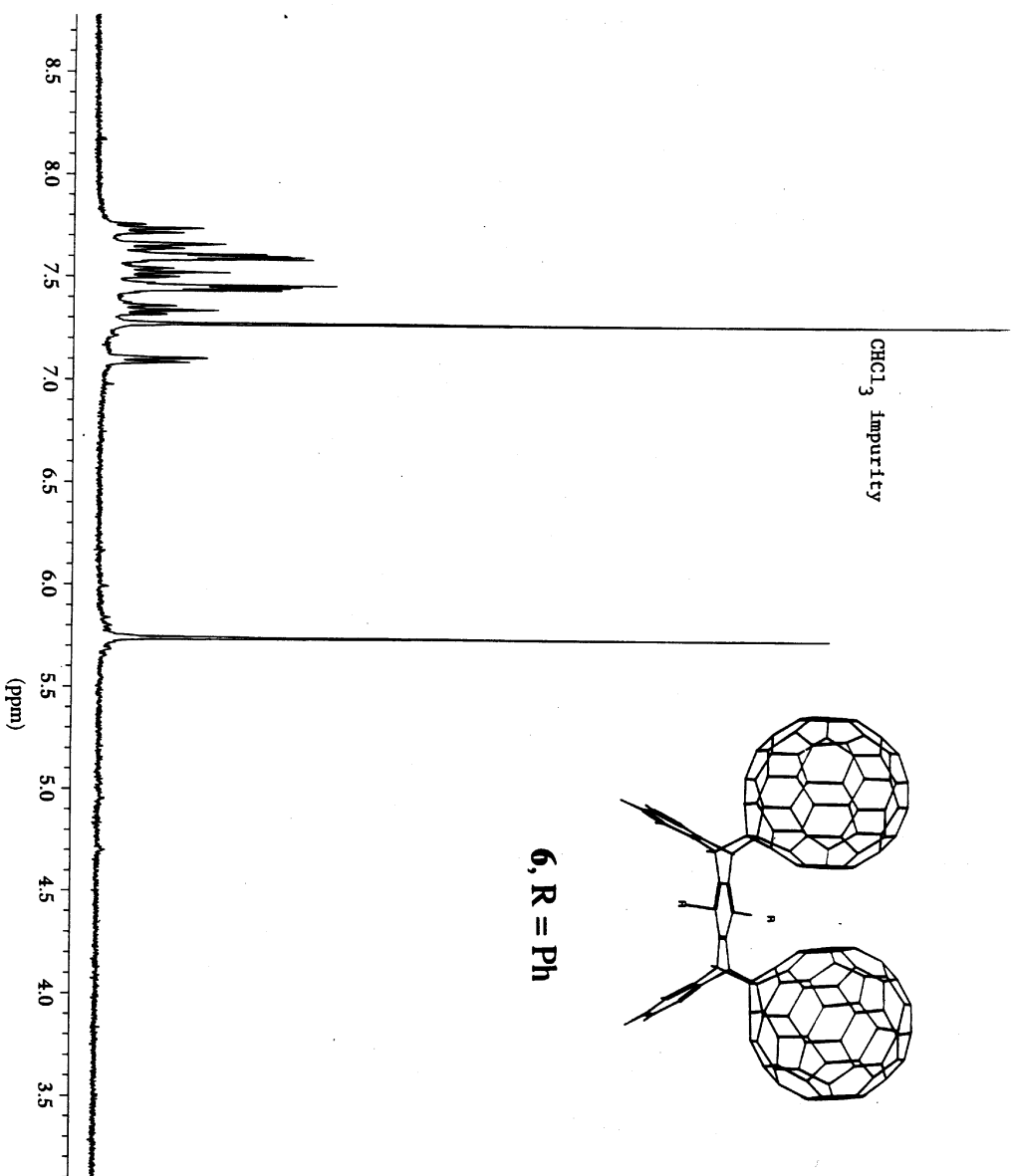
*'s denote
spinning
side bands

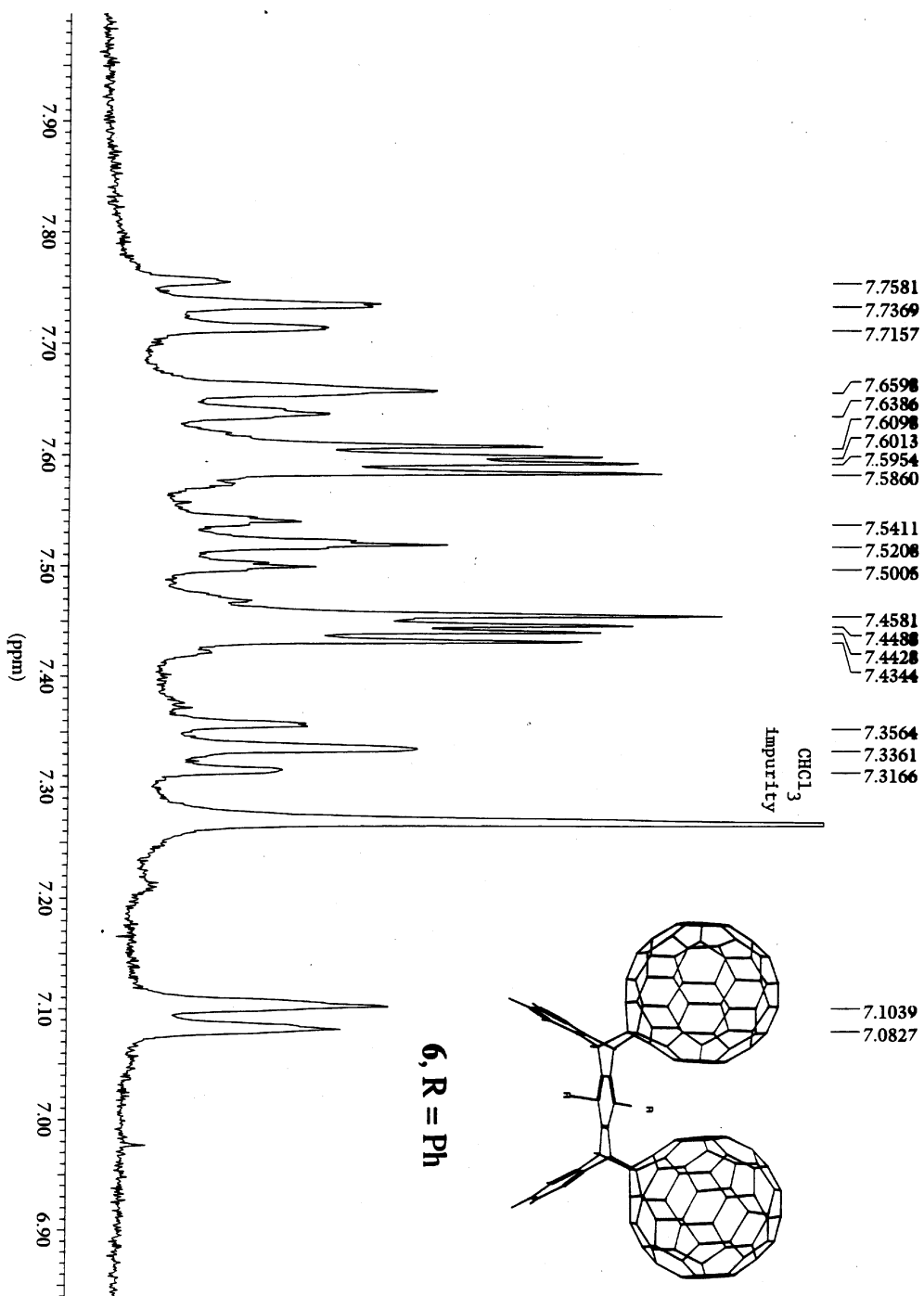
WY 10050002.D: 6,13-DIPHENYLPENTACENE

¹³C NMR of 6,13-diphenylpentacene



1802013.001 CLEANED UP BISFULLADD OF DIPHEN PENT





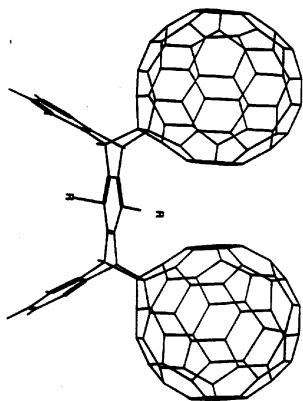
75.5 Trisulfene[60] adduct of 6.13 triphenylacetone in CDCl₃/CS₂ ¹³C NMR of 6

145.4082
145.3904
145.3636
145.3018
145.2219
144.6898
144.6011
142.9339
142.5969
142.5525
142.4550
142.2599
142.0293
141.9583
141.9051
141.6568
141.5947
140.0339
139.7057
139.0228
137.6482
136.8501
136.3268
130.0124
129.8113
129.0103
128.8507
128.1412
127.4317
125.7910

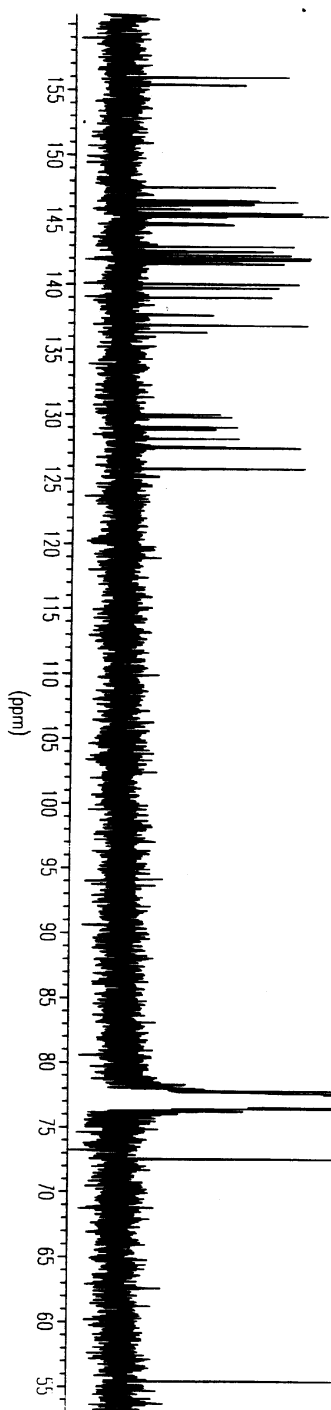
72.5179

55.3662

CDCl₃

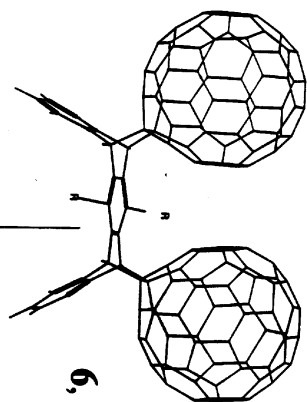


6, R = Ph



cis-bisultrien[60] adduct of 6,13-diphenylpentacene in CDCl₃/CDCl₃

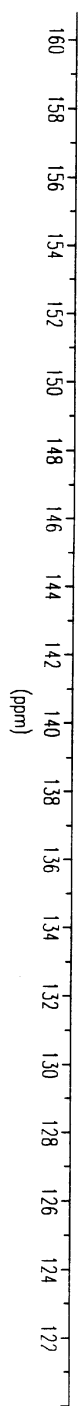
Blow up of ¹³C NMR of 6

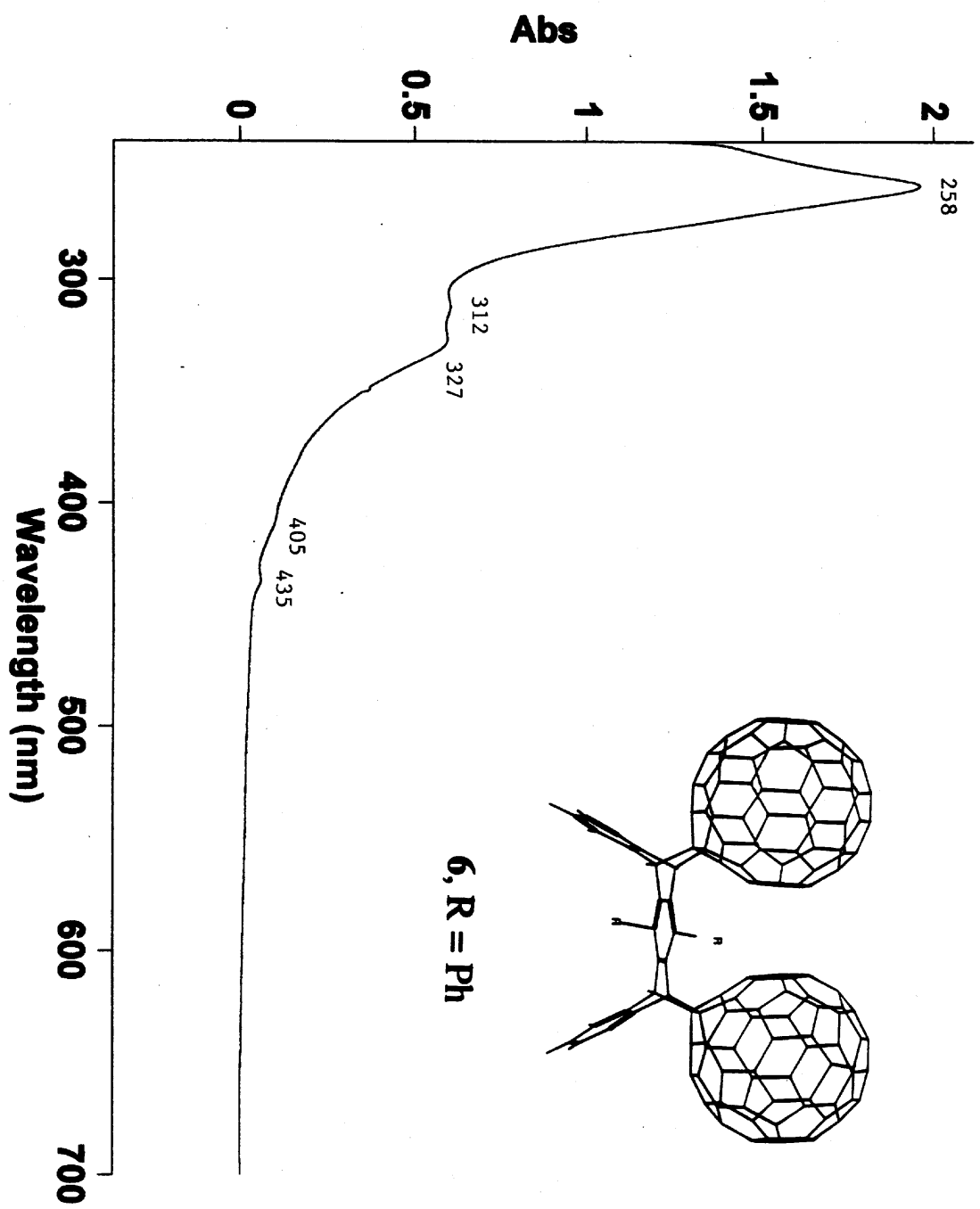


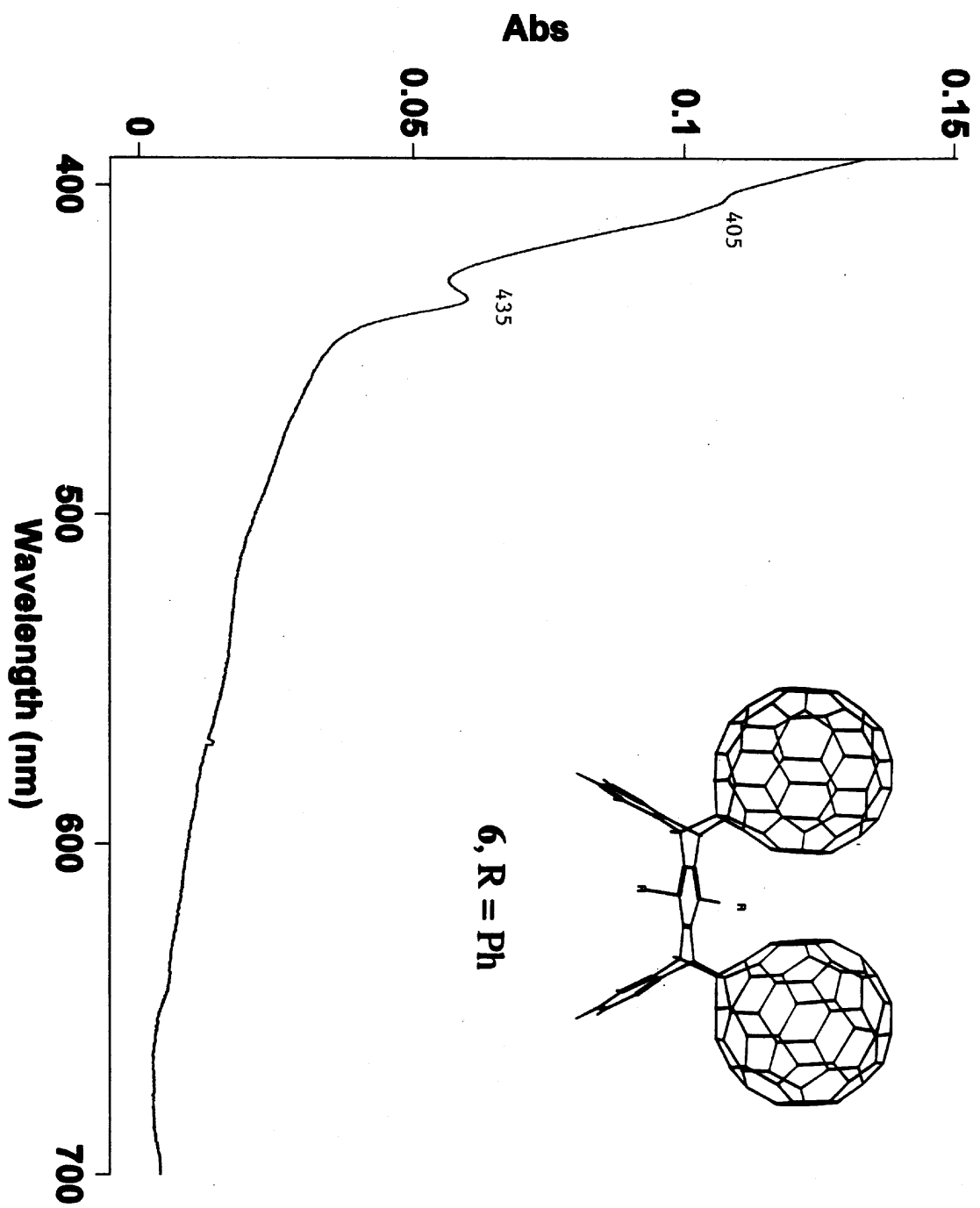
155.9794
155.3852

147.5455
146.5256
146.4014
146.2241
146.1531
145.8250
145.5146
145.4082
145.3904
145.3638
145.3018
145.2219
144.6898
144.6011
142.9339
142.5969
142.5525
142.4550
142.2599
142.0293
141.9583
141.9051
141.6568
141.5947
140.0339
139.7057
139.0228
137.6482
136.8501
136.3268

130.0124
129.8173
129.0103
128.8507
128.1412
127.4317
125.7910







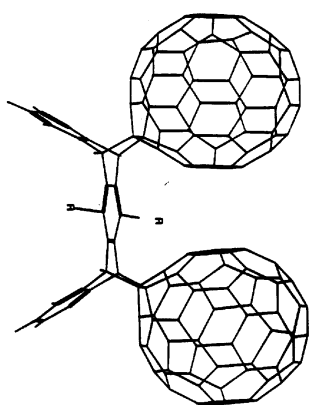
1H NMR spectrum of 7, R = 4'-hydroxymethylphenyl

1H NMR for 7

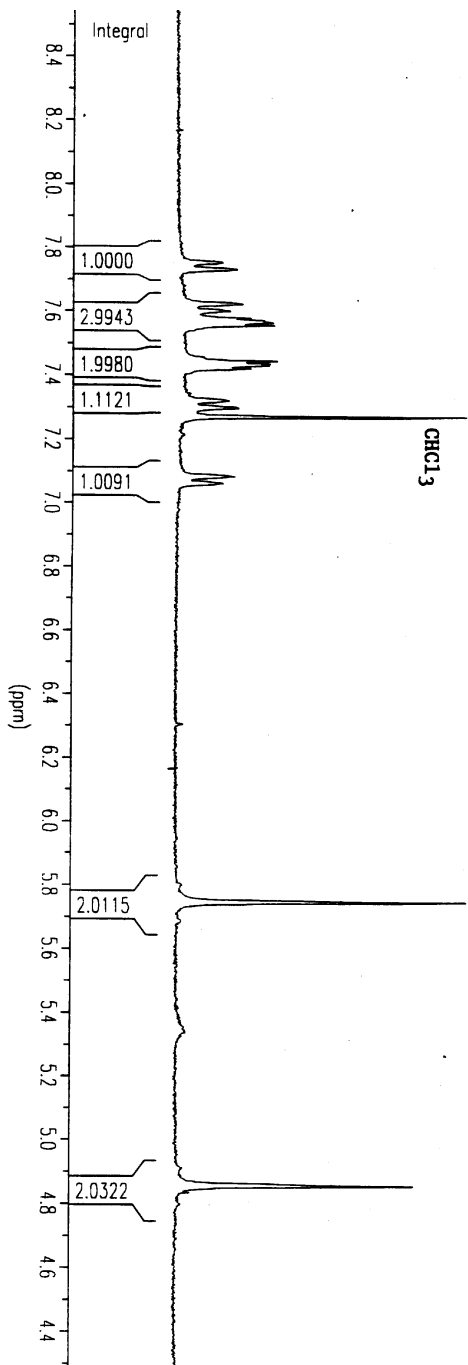
7.7394
7.6106
7.5666
7.4318
7.3081
7.0717

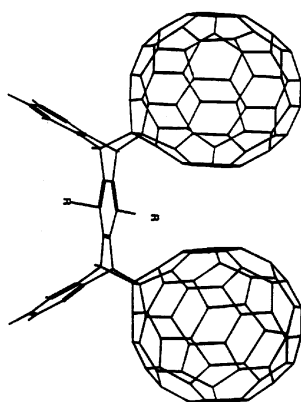
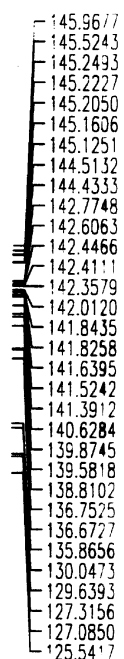
5.7455

4.8549

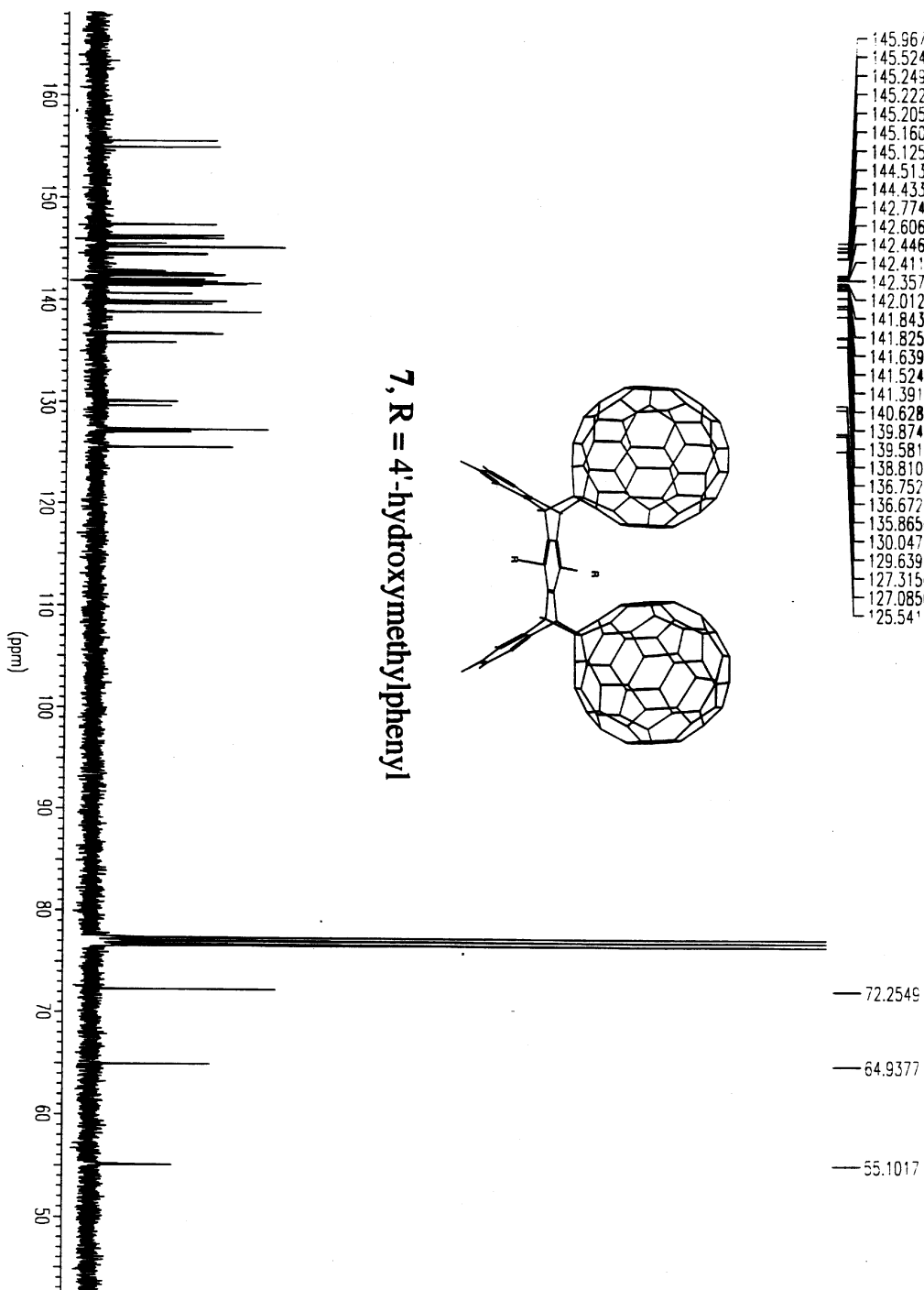


7, R = 4'-hydroxymethylphenyl





7, R = 4'-hydroxymethylphenyl



adduct of 6,13-di-(4'-hydroxymethylphenyl)perylene

Blow up of ^{13}C NMR of 7

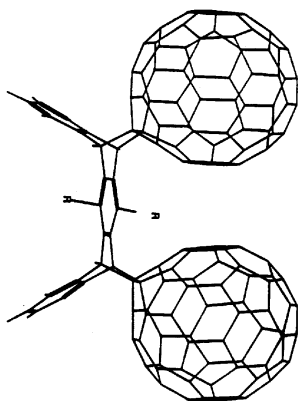
155.6087
155.0144

147.3425
146.3225
146.2427
146.0209
145.9677
145.5243
145.2493
145.2227
145.2050
145.1606
145.1251
144.5132
144.4333
142.7748
142.6063
142.4466
142.4111
142.3579
142.0120
141.8435
141.8258
141.6395
141.5242
141.3912
140.6284
139.8745
139.5818
138.8102
136.7525
136.6727
135.8656

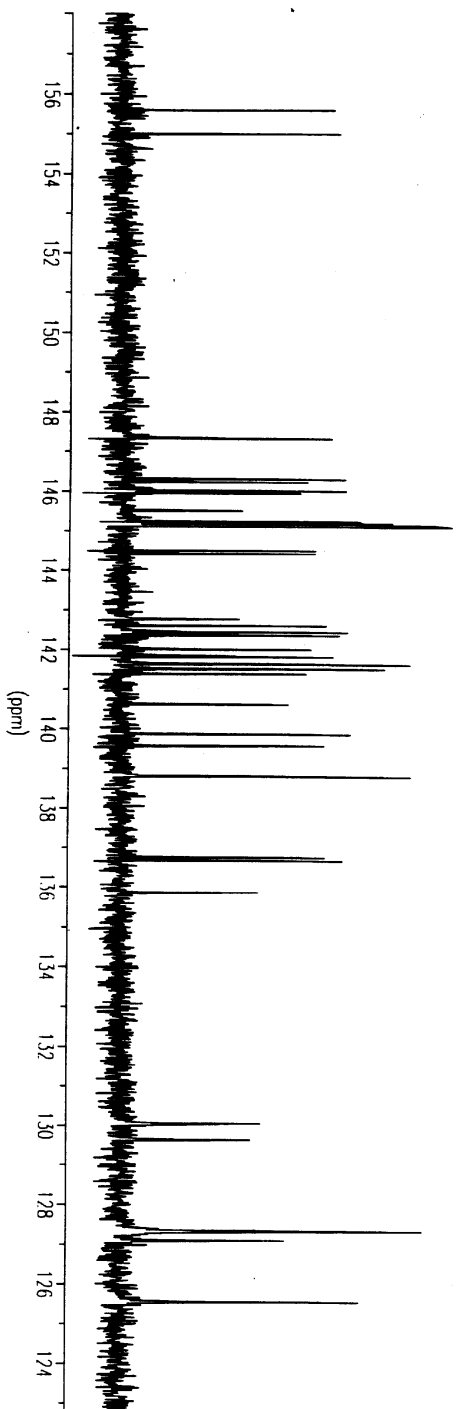
130.0473
129.6393

127.3156
127.0850

125.5417



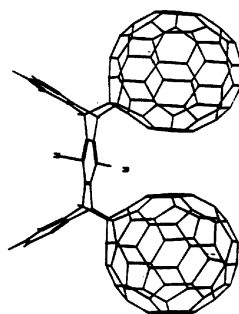
7, R = 4'-hydroxymethylphenyl



13C NMR spectrum of 6,13-di-(4-hydroxymethylphenyl)pentacene

DEPT spectrum of 7

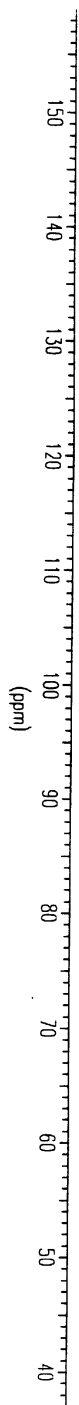
130.2685
129.8655
127.5651
127.5212
127.3160
125.7702



7, R = 4'-hydroxymethylphenyl

65.1609

55.3366

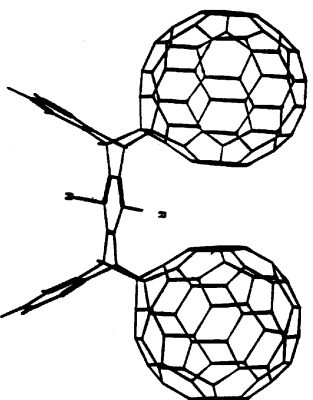


(4)
Positive Ion Electrospray MS- 1000-2000 m/z

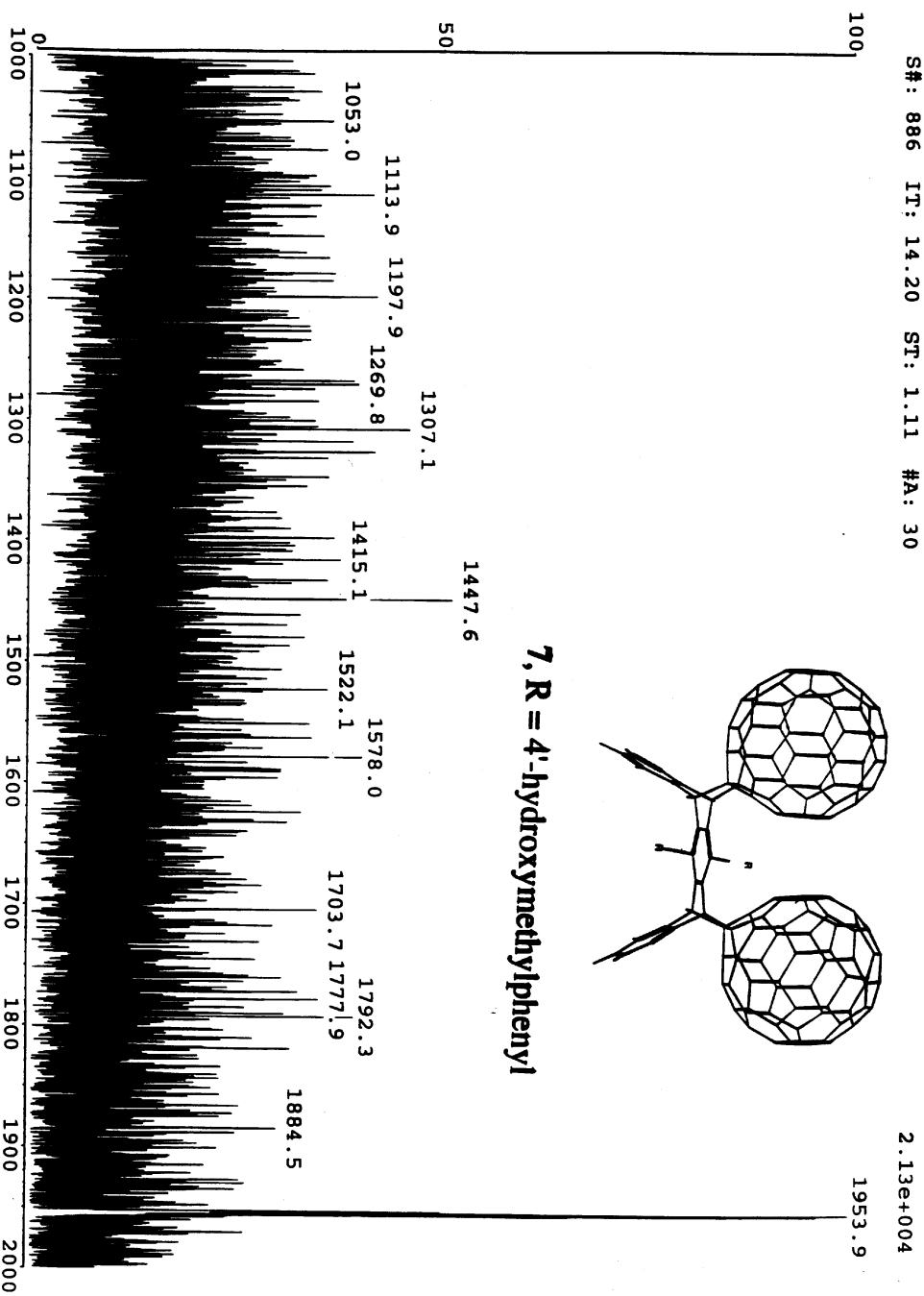
LCQ Instrument Control

12 Jul 2000 03:46 PM

S#: 886 IT: 14.20 ST: 1.11 #A: 30



7, R = 4'-hydroxymethylphenyl



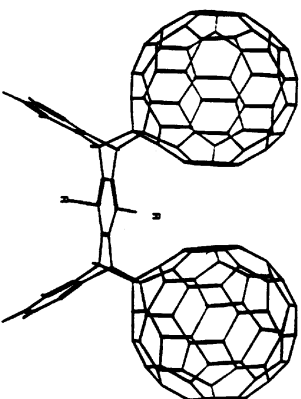
Positive Ion Electrospray MS- 1900-2500 m/z

LCQ Instrument Control

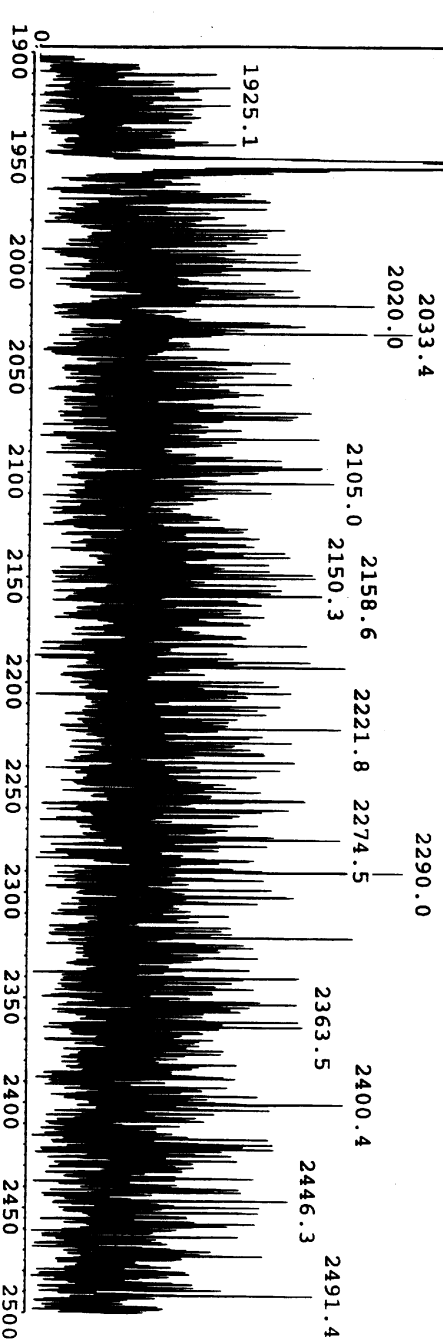
12 Jul 2000 03:44 PM

S#: 744 IT: 56.89 ST: 0.78 #A: 30

NL: 4.01e+003



7, R = 4'-hydroxymethylphenyl

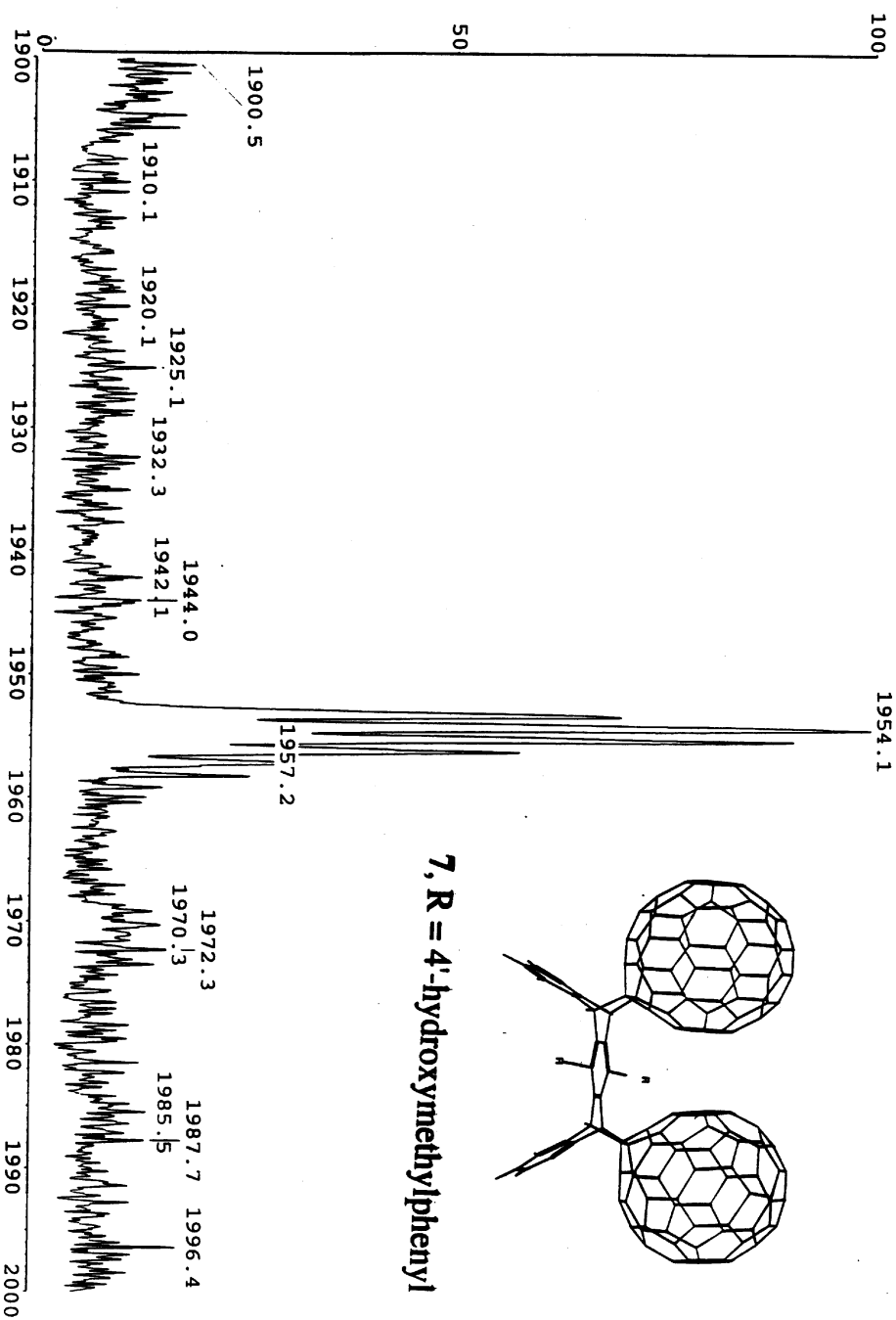


Positive Ion Electrospray MS- Blow up of 1954 region

LCQ Instrument Control 12 Jul 2000 03:49 PM

S#: 1206 IT: 15.52 ST: 0.28 #A: 30

NL: 6.54e+004



7.6929
7.6518
7.6124
7.5319

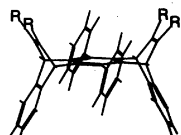
7.1200

6.9103

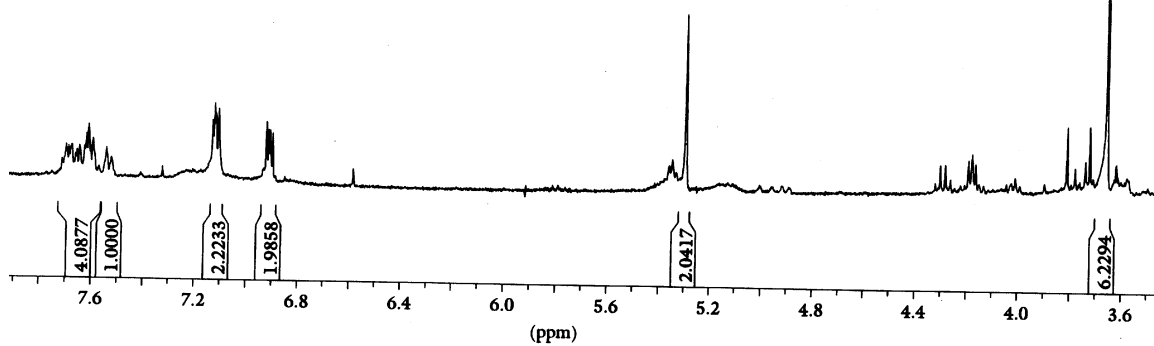
5.2973

3.6610

^1H NMR of *cis*-bisDMAD adduct of 6,13-diphenylpentacene



11



—7.6929

—7.6518

—7.6124

—7.5319

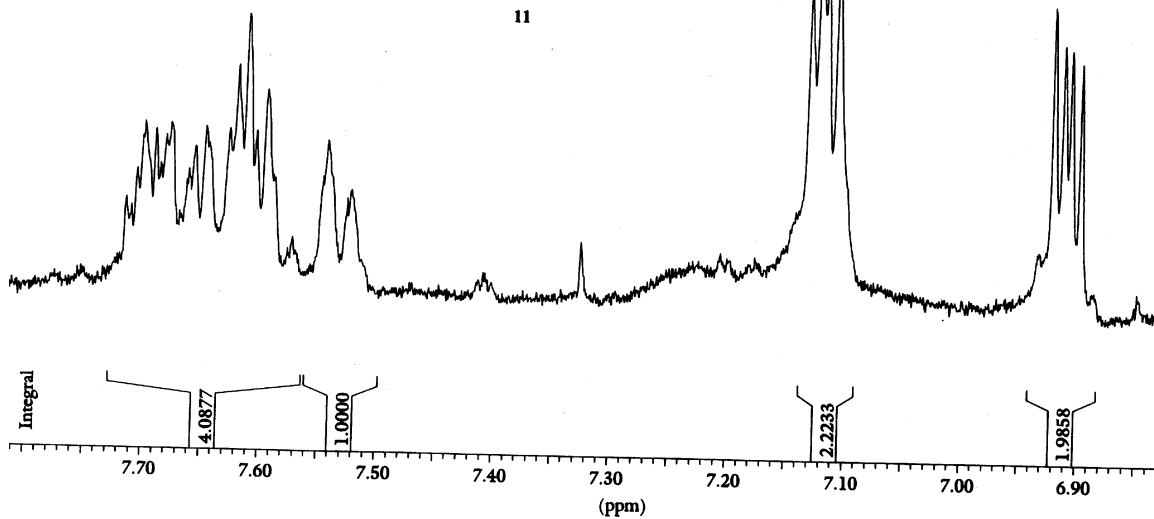
—7.1200

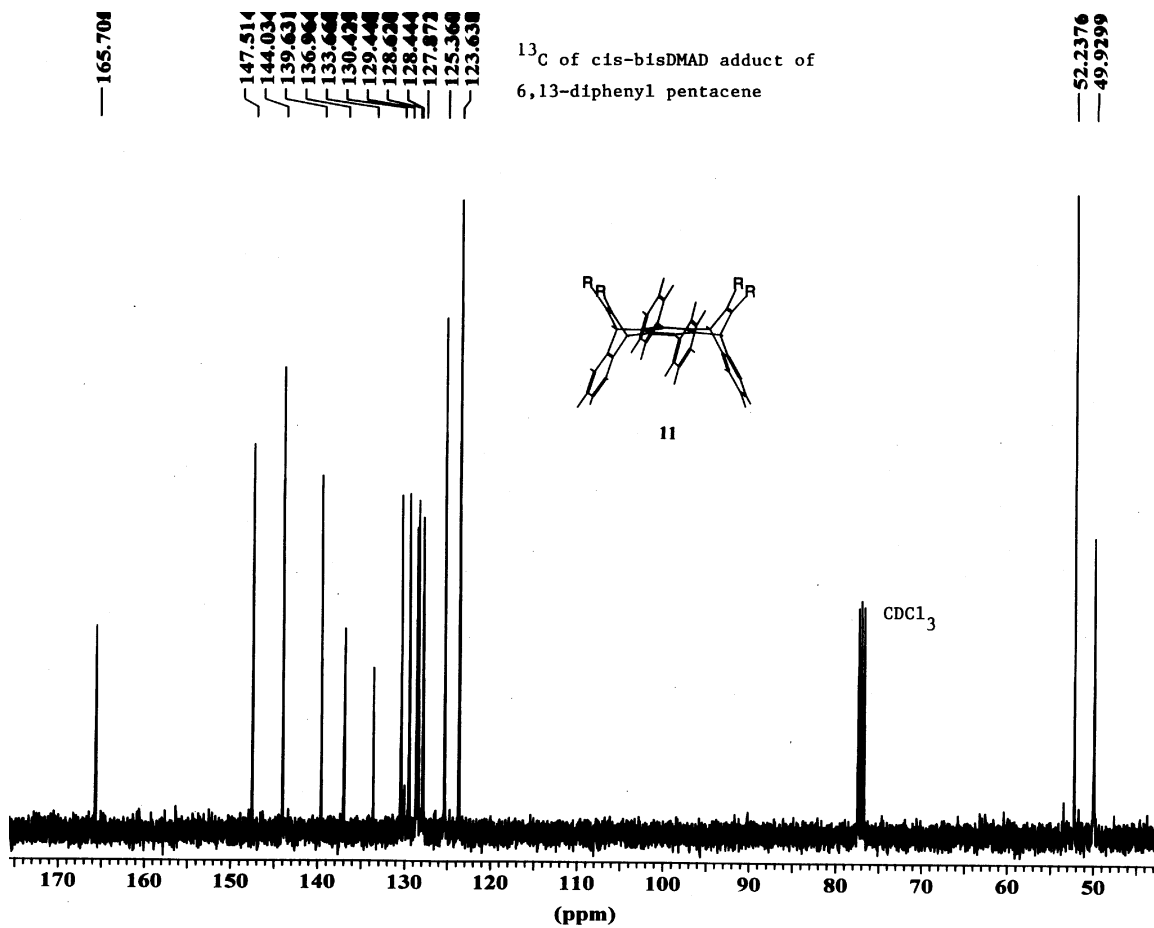
—6.9103

¹H NMR of *cis*-bisDMAD adduct
of 6,13-diphenylpentacene



11

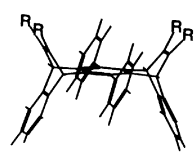




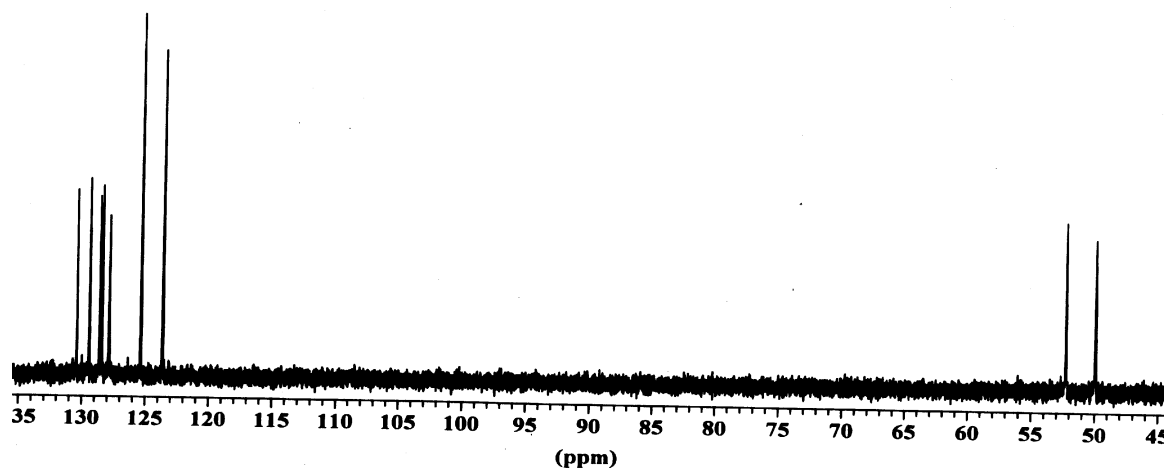
130.43
129.48
128.61
128.44
127.87
125.36
123.63

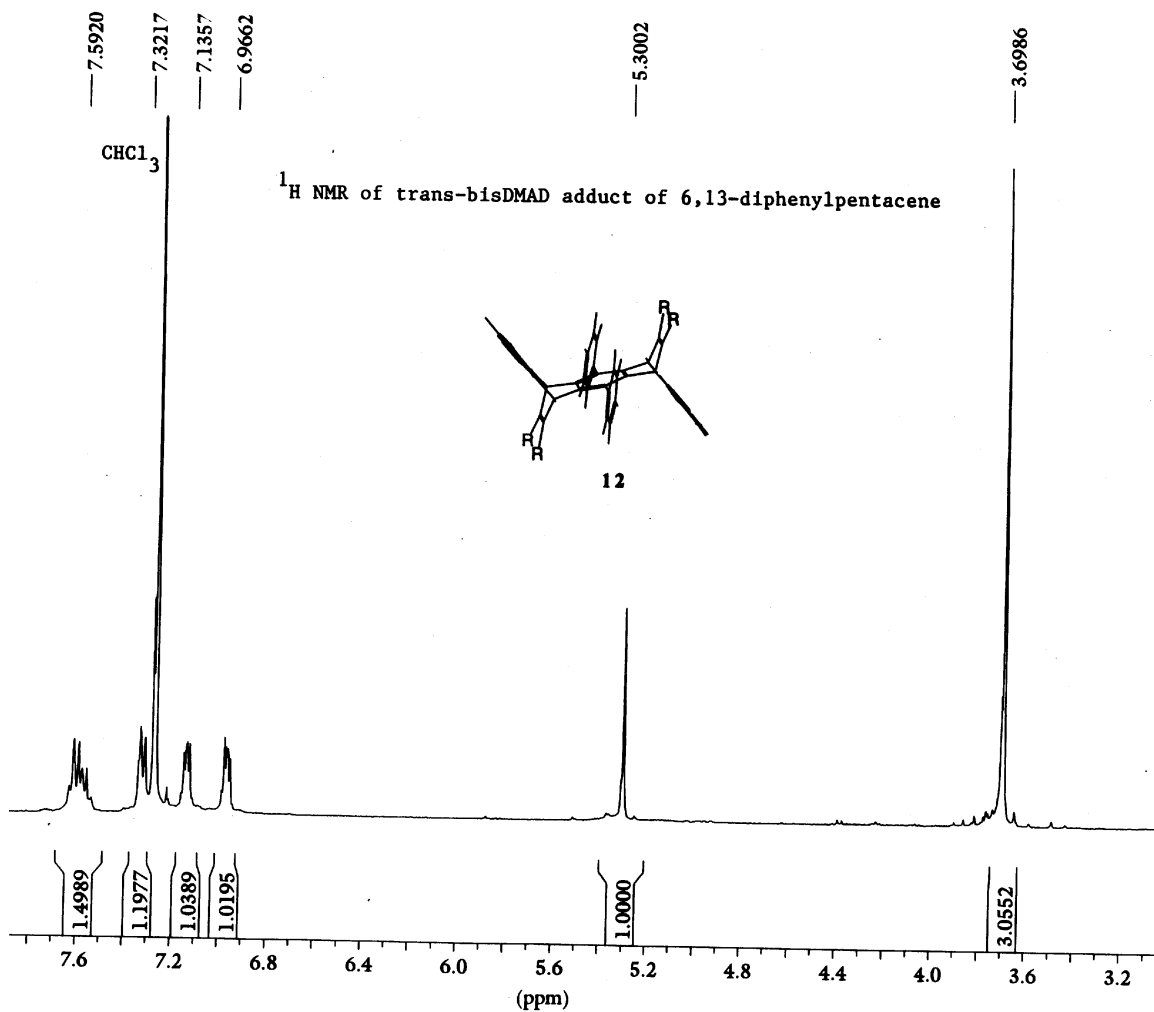
DEPT of *cis*-bisDMAD adduct of
6,13-diphenylpentacene

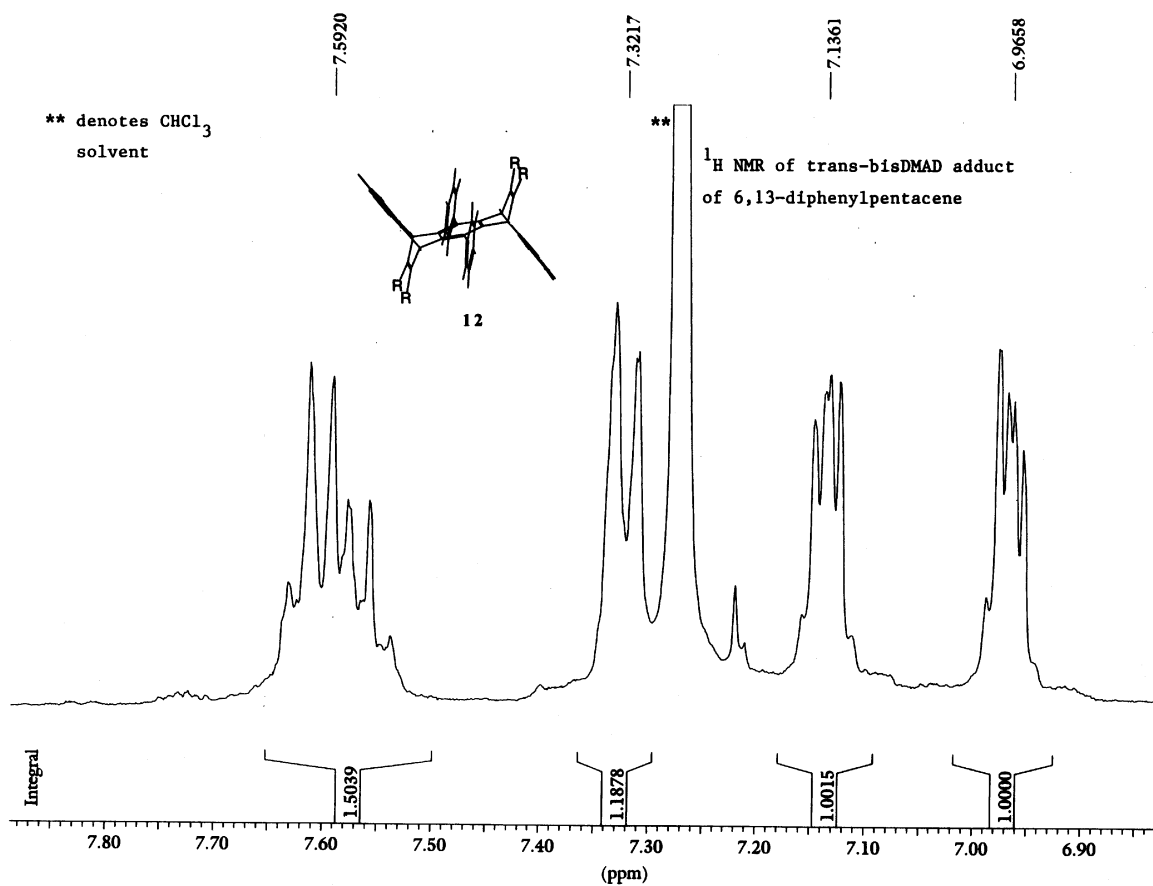
52.2303
49.9338

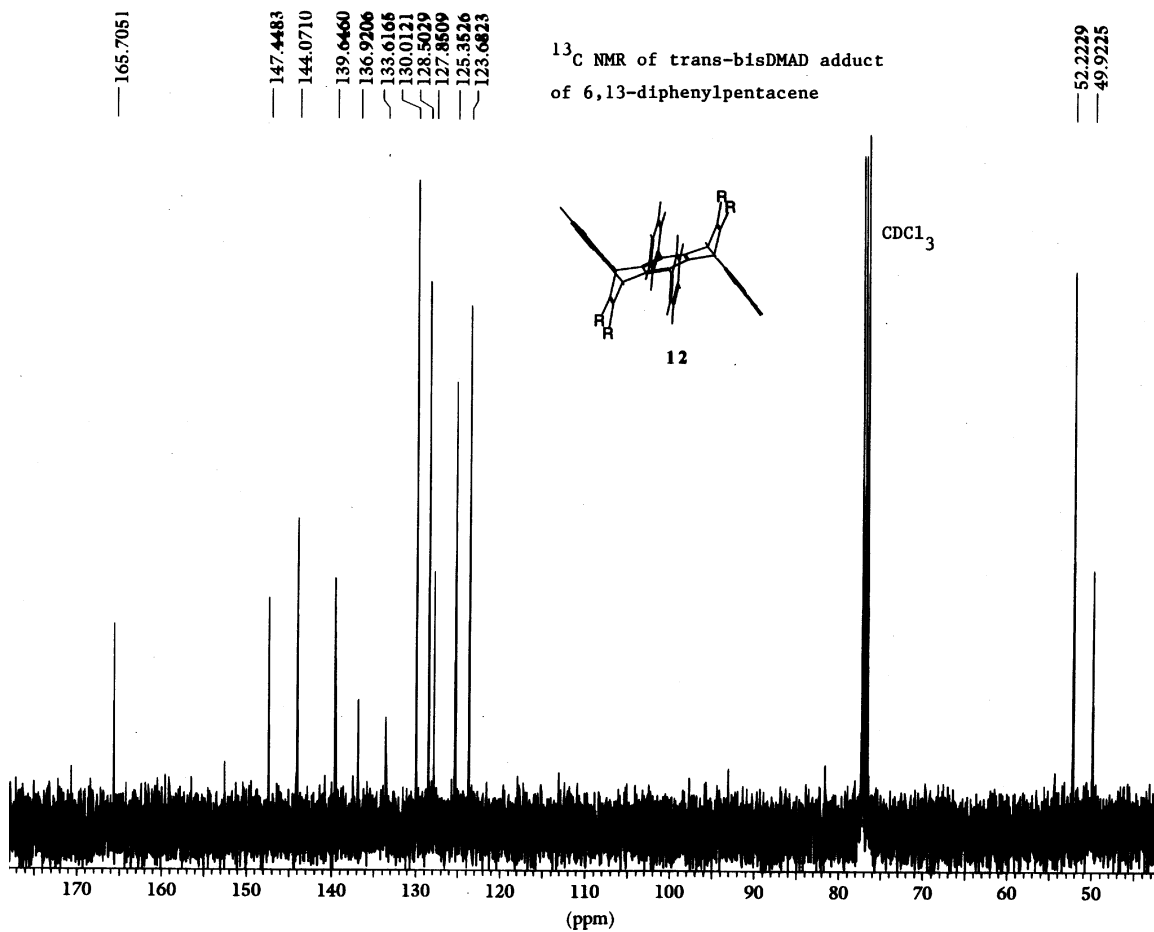


11









130.0121
128.5029
127.8545
125.3563
123.6859

DEPT of trans-bisDMAD adduct of
6,13-Diphenylpentacene

52.2193
49.9225

