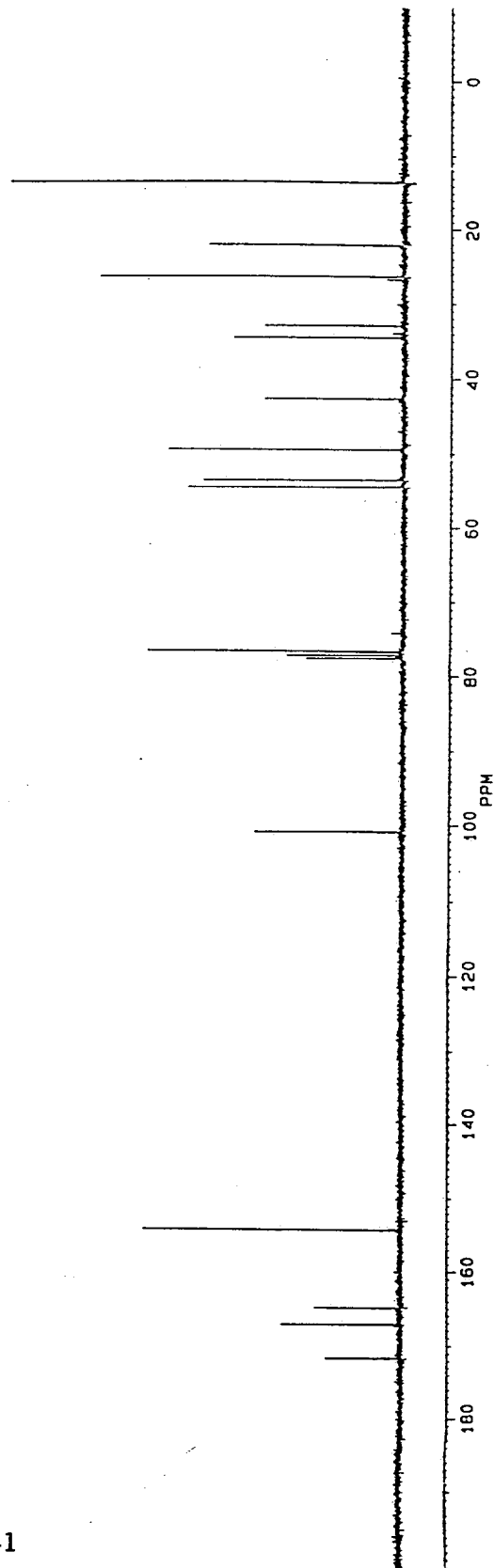
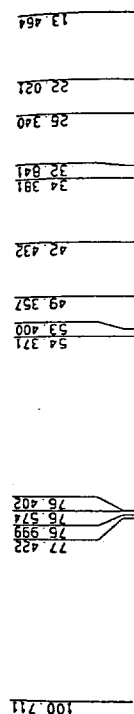
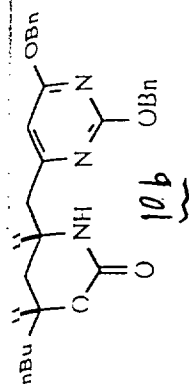


EY-I-287



EY284.001
AU PROG:
882.DF
DATE 22-9-97
SF 75.469
SY 75.0
O1 6000.000
SI 32768
TD 32768
SW 20000.000
HZ/PT 1.221
PW 1.8
RD 0.0
AQ 1500.819
RG 320
NS 303
TE 303
FW 25000
D2 4500.000
OP 16H CPD
LB 0.0
GB 0.0
CY 34.00
CY 0.0
F1 200.011P
F2 -9.989P
HZ/CM 466.129
PPM/CM 6.176
SR -1383.35

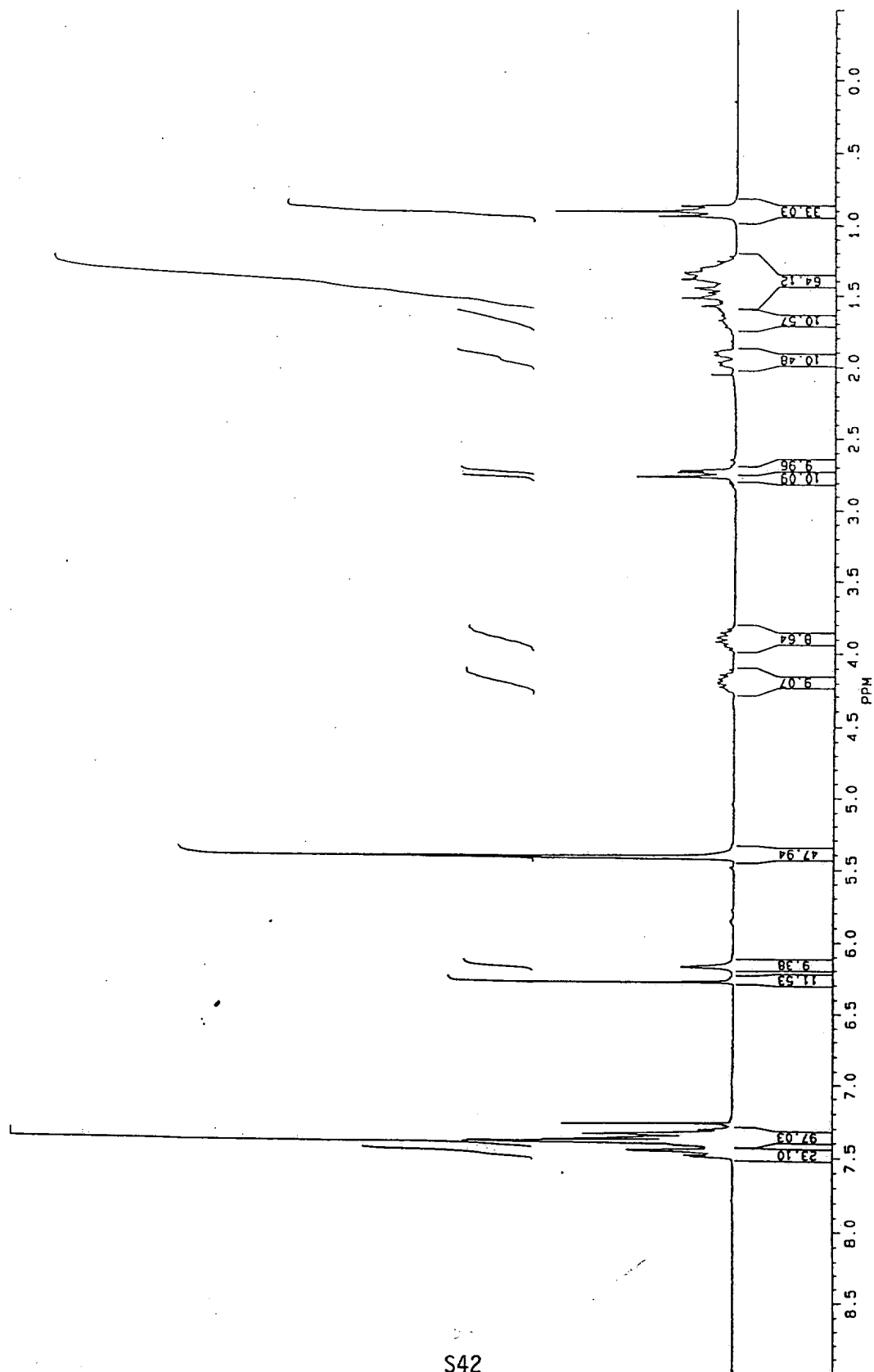


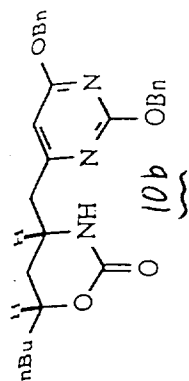


EY-1-277



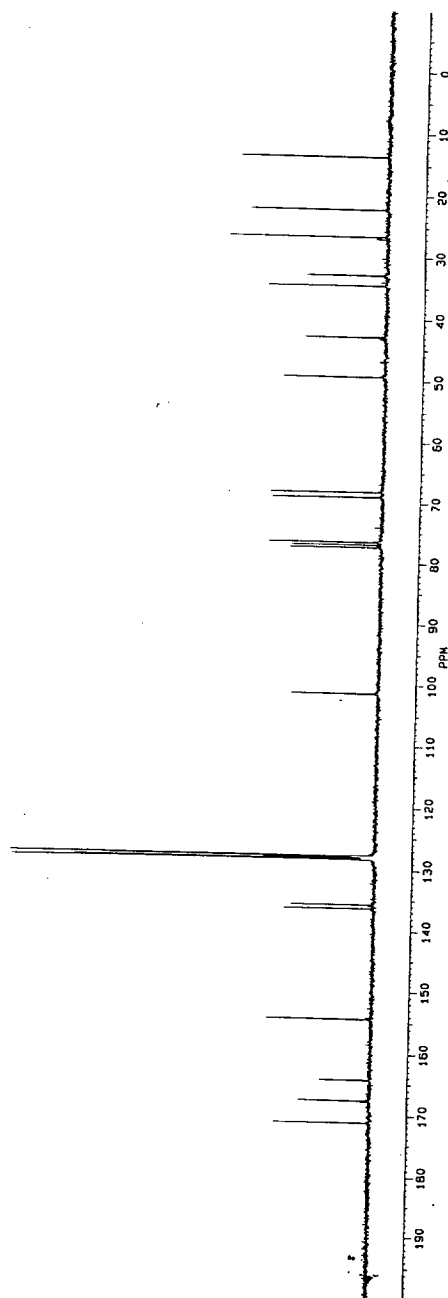
HNMRJLC.001
DATE 2-9-97
SF 200.132
SY 200.0
Q1 3740.000
SI 32768
TD 32768
SM 3597.122
HZ/PT .220
PW 3.2
RD 2.000
AQ 4.555
RG 32
NS 56
TE 297
FW 4500
O2 50000.000
OP 30L P0
LB 0.0
GB 0.0
CX 34.00
CY 0.0
F1 9.000P
F2 -500P
HZ/CM 55.921
PPM/CM .279
SR 2339.01

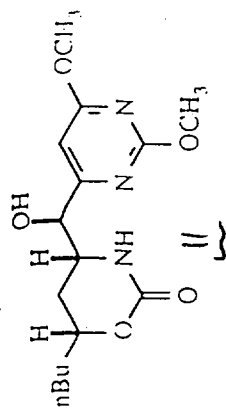




~~SECRET~~

Y1268.001
465.176
882.000
DATE 3-9-97
SF 75.469
SV 75.0
C1 5000.000
C2 5000.000
T0 12.168
SW 20000.000
RZ/PI 1.221
PM 1.8
AQ 0.0
RG 1600.819
WS 320
TE 303
FM 25000
DS 15000.000
DS 150.000
LB 1.000
CX 34.00
CY 0.0
F2 200.000
H2/CM 465.176
PPM/CM 6.176
SN -1384.37

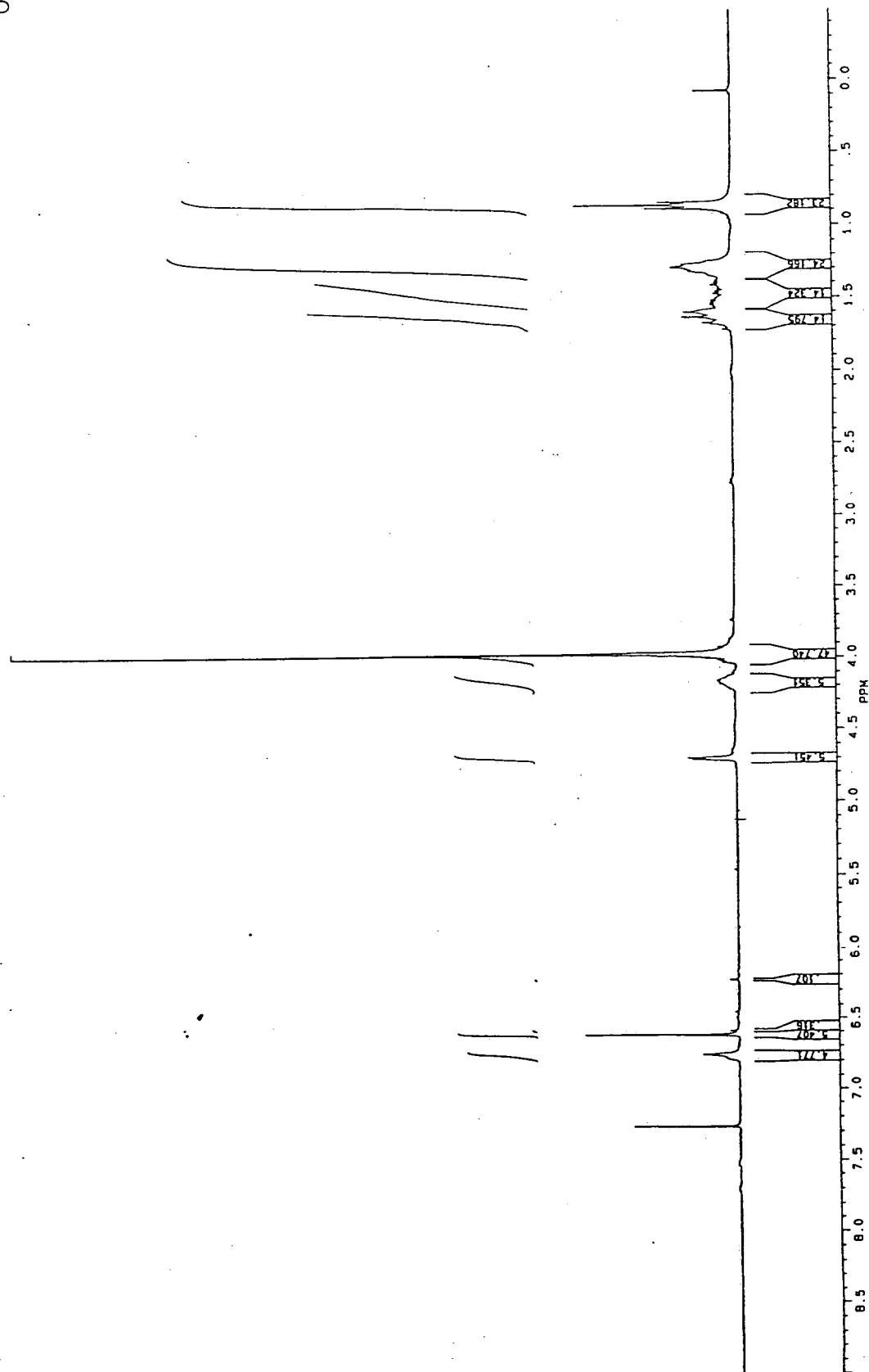


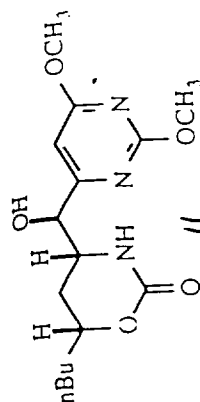


EY-I-289

~~BIOR~~

JJF09.001
DATE 24-9-97
SF 300.133
SI 210.0
O1 4858.701
SI 32768
TO 32768
SM 3906.250
HZ/PT .238
PW 4.5
RO 2.000
AU 4.154
RG 24
MS 363
TE
FW 4900
O2 50000.000
CP 30L P0
LB 0.0
GB 0.0
CX 34.00
CY 0.001P
F1 9.459P
F2 83.860
HZ/CM
PPM/CM .279
SR 3365.39





EY-I-289



EY285.001
AU PROG:
BB2.DF
DATE 24-9-97
SF 75.469
SI 75.0
O1 6000.000
SI 32768
TD 32768
SM 20000.000
HZ/PT 1.221
PW 1.8
RO 0.0
RG 1600
RS 320
TE 303
FM 25000
O2 4600.000
DP 16H CPO
LB 1.000
CB 0.00
CY 0.00
F1 200.011P
F2 -9.989P
HZ/CM 466.129
PPM/CM 6.176
SR -1401.66

13.270

22.347

26.712

34.650

53.902

54.725

54.725

72.701

76.946

77.417

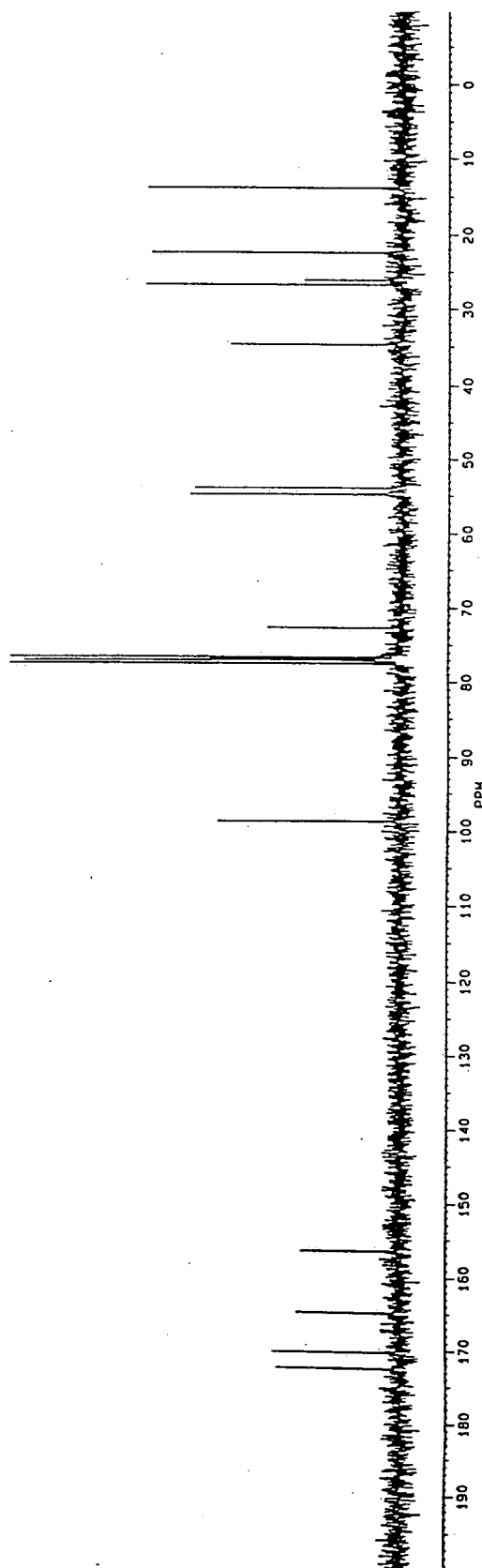
99.611

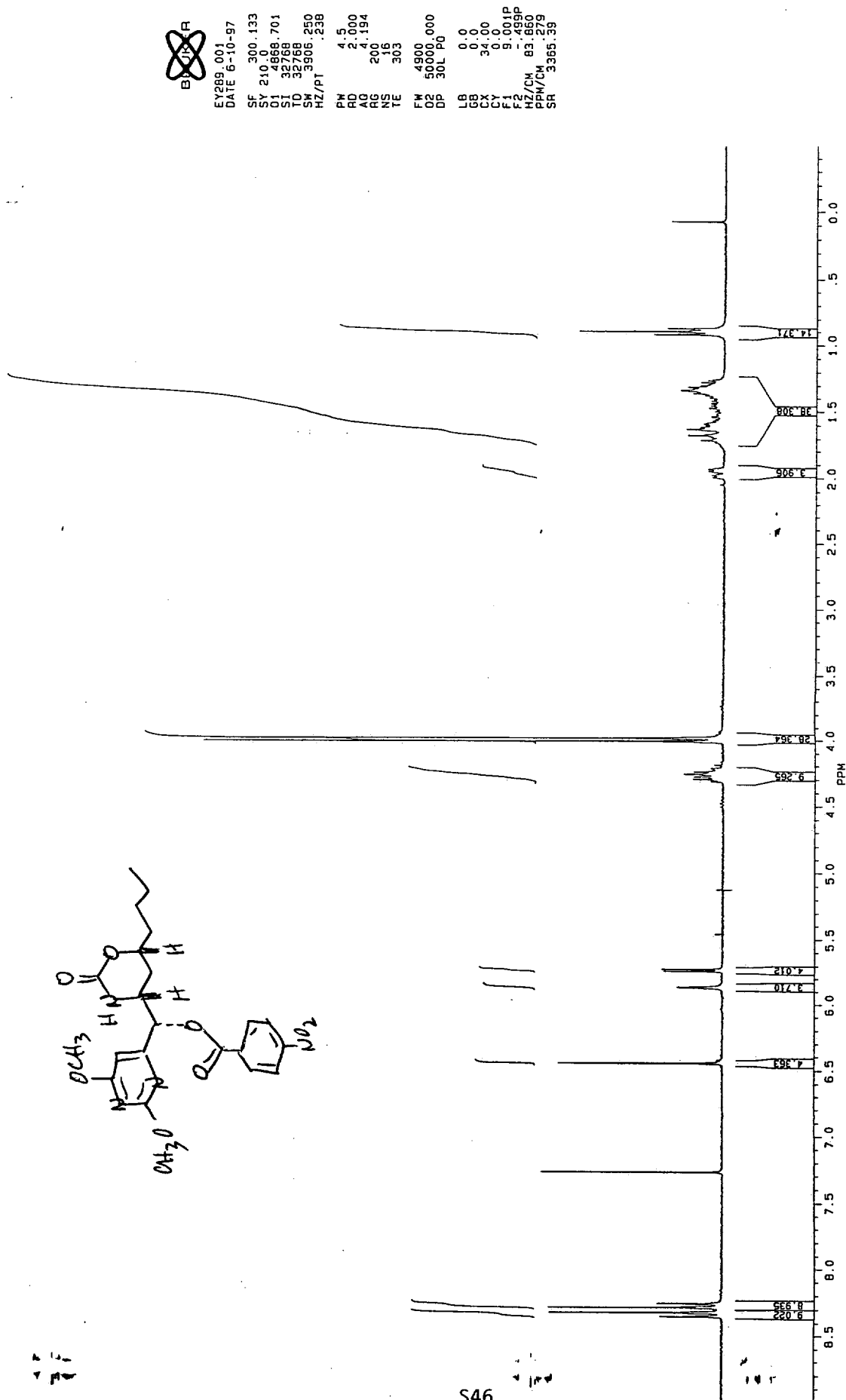
156.466

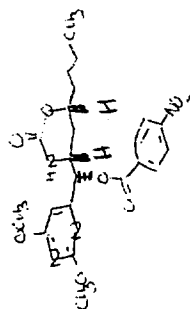
164.847

170.168

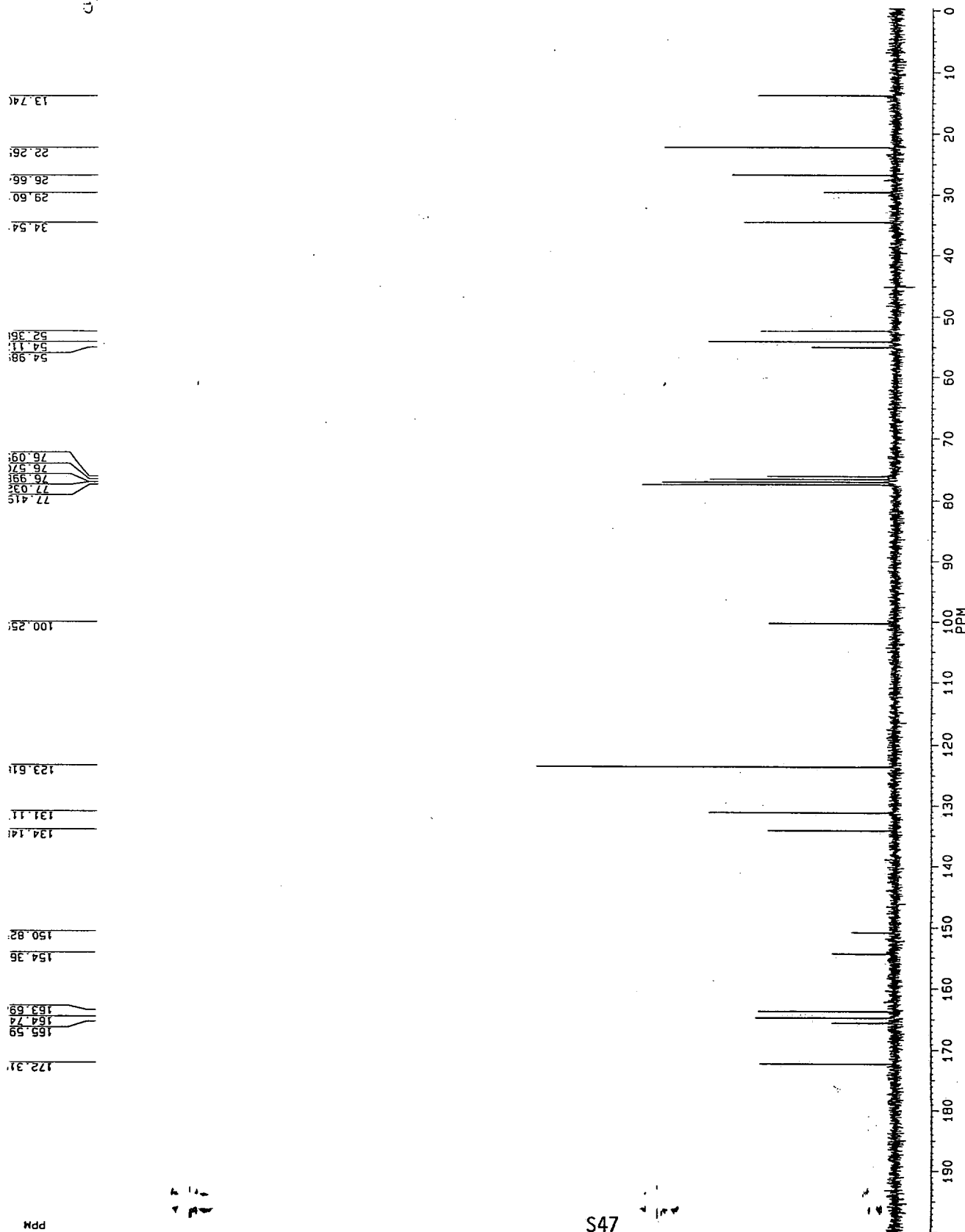
172.383

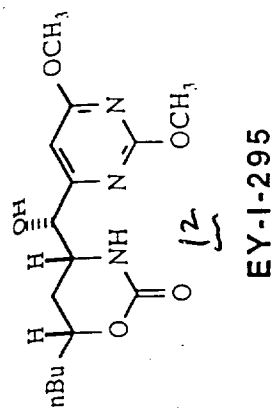




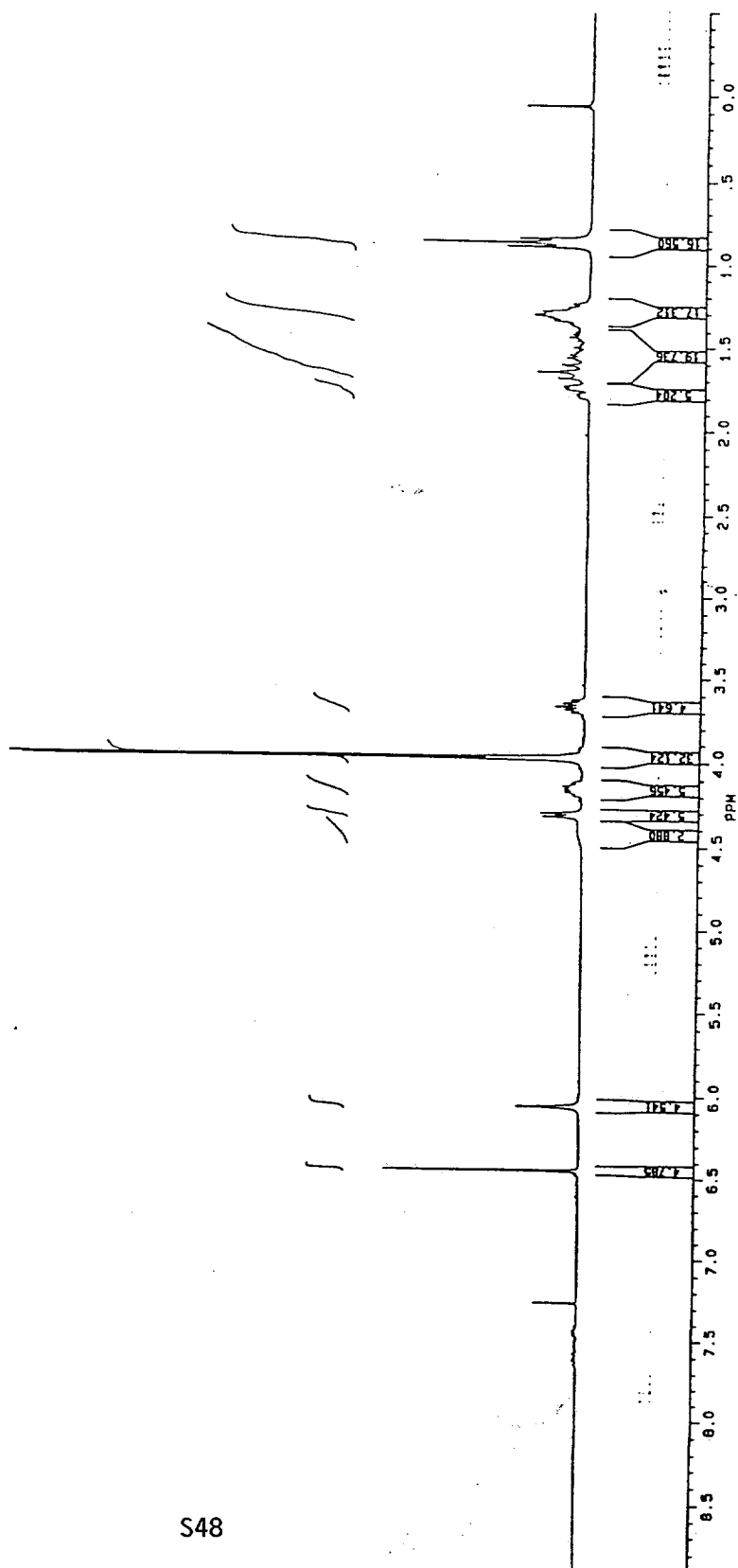


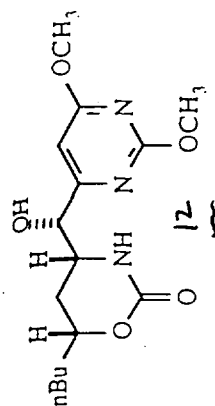
EY290.001
AU PROG:
882.DF
DATE 8-10-97
SF 75.459
CY 75.0
O1 6000.000
S1 32768
TD 32768
SW 20000.000
HZ/PT 1.221
PW 1.8
RD 0.0
AD 1600.819
RG 1600
NS 640
TE 303
FW 25000
O2 4600.000
DP 16H CPD
LB 200
CB 0.0
CX 34.00
CY 0.0
F1 200.011P
F2 -494P
HZ/CM 445.054
PPM/CM 5.897
SR -1399.22





TACB.001
DATE 10-10-97
SF 210.0
FY 300.133
SA 8658.701
ID 33768
TD 33768
SM/SW 5376.344
HZ/P1 .326
PM 4.5
PWD 2.000
AQ 3.047
RG 40
MS 20
NS 303
KM 5800
RZ 50000.000
JOL PD
LB 0.0
GGB 0.0
CX 34.00
EY 11.00
FF 9.00P
ZZ 5.00P
PPMM/CN B3.851
DSPM/CN A3.279
BABE 3365.28





EY-I-295



EY294.001
AU PROG:
BB2.DF
DATE 10-10-97
SF 75.459
SI 15000.000
SI 32768
TO 32768
SM 20000.000
HZ/PI 1.221
PM 1.8
RD 0.0
AC 1600.819
RG 1600
TE 303
FM 25000
O2 4500.000
OP 16H CPD
LB 1.000
GB 0.000
CX 0.000
F1 200.011P
F2 -9.989P
HZ/CM 466.129
PPM/CM 6.176
SR -1402.88

1.1.220
2.2.220
2.2.220
2.2.220
2.2.220

4.65.220
4.65.220
4.65.220

7.7.220
7.7.220
7.7.220
7.7.220
7.7.220

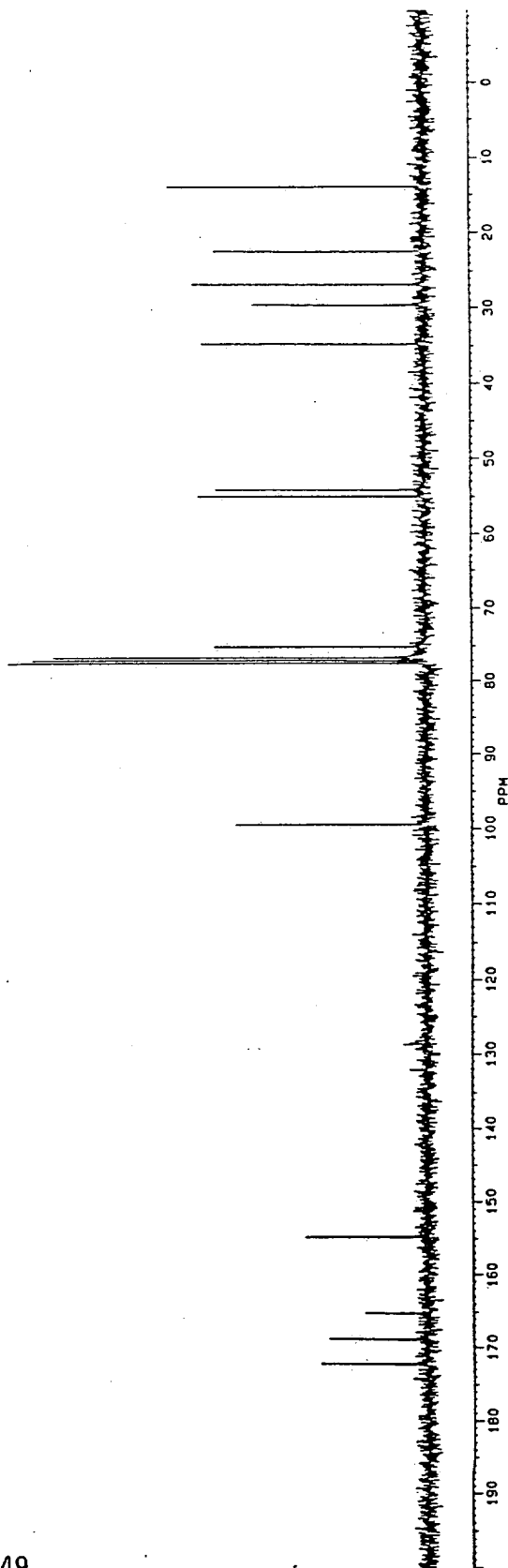
5.5.220

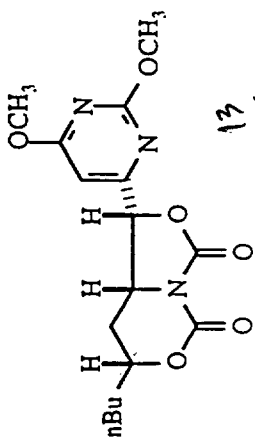
154.299

163.212

168.927

172.284





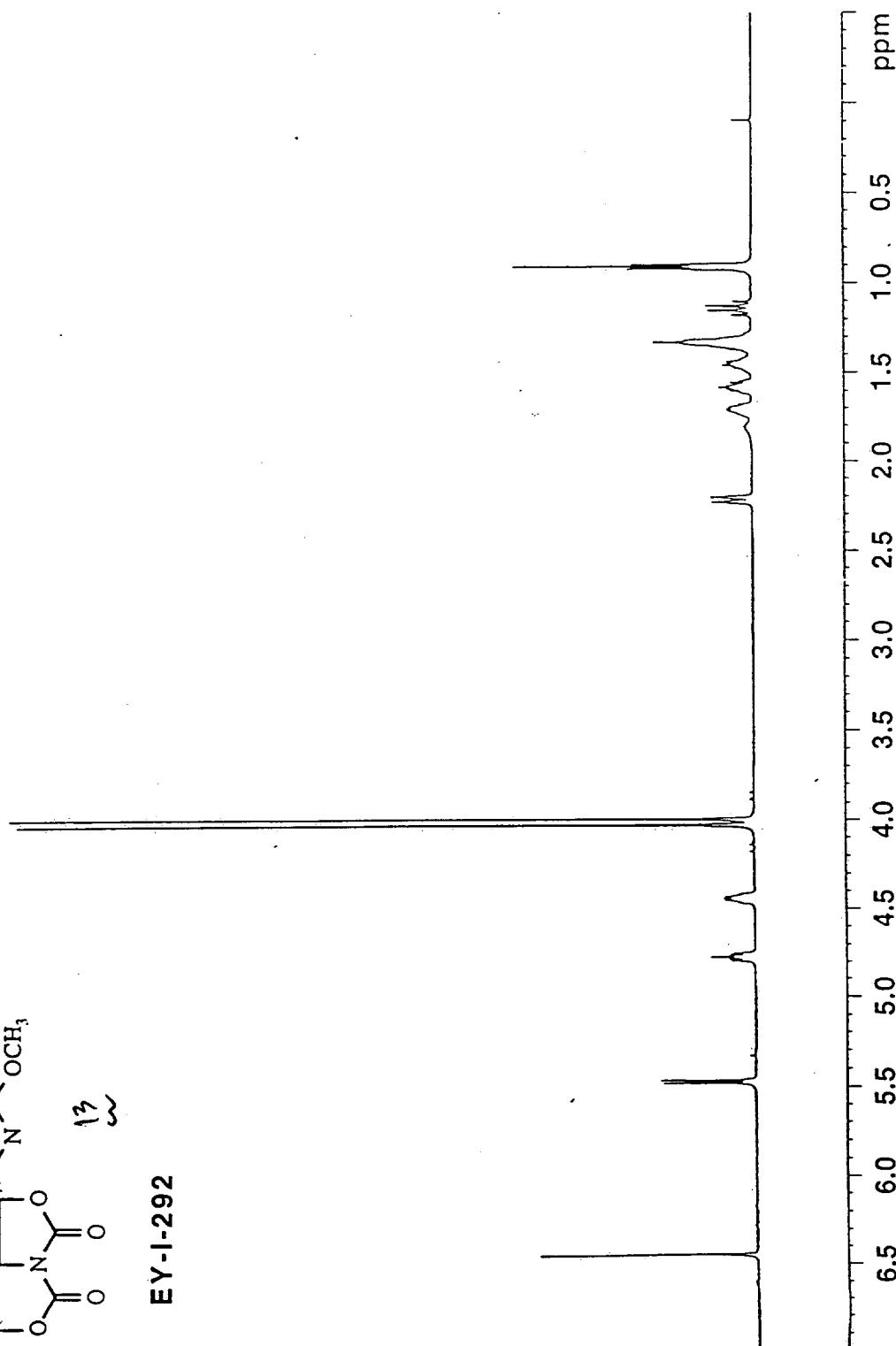
EY-I-292

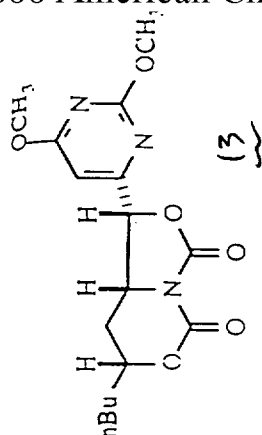
13

NAME: EY-I-292
EXPER: 1
INSTR: 1

F2 - Acquisition Parameters
Date: 971022
Time: 21:22
PROC: 1
PULPROG: zgpg30
TD: 32768
SOLVENT: CDCl₃
NS: 80
DS: 4
SWH: 5000.000 Hz
FIDRES: 0.152588 Hz
AQ: 3.2768500 sec
RG: 128
DE: 100.000 usec
TE: 300.0 K
d11: 0.0300000 sec
d12: 0.0002000 sec
PL14: 70.00 dB
D1: 1.0000000 sec
FQ2LIST: none
L4: 50
U20: 0.0500000 sec
SFO2: 500.1300000 MHz
NUC2: 1H
P12: 120.00 dB
P1: 8.10 usec
SFO1: 500.1322118 MHz
NUC1: 1H
P11: -1.00 dB

F2 - Processing parameters
SI: 16384
SF: 500.1300000 MHz
WDW: EM
SSB: 0
LB: 0.30 Hz
GB: 0
PC: 1.00





EY-I-292

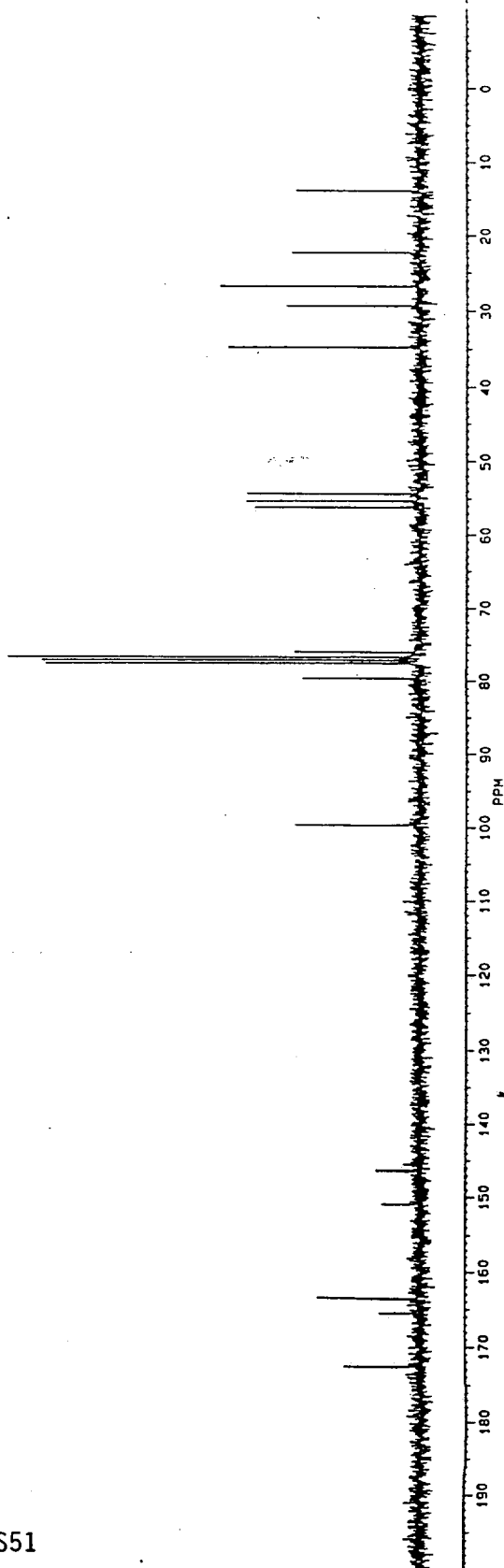


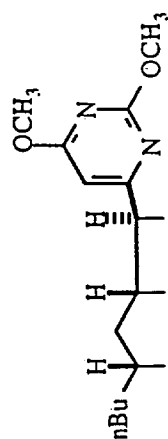
EX292.001
AU P80G
BB2 OF
DATE 10-10-97
SF 75.469
SY 75.0
Q1 5000.000
T0 35.168
SW 20000.000
HZ/P1 1.221
PM 1.8
RD 0.0
AQ 1600
NS 640
TE 303
FW 25000
Q2 4500.000
DP 16M CPD
LB 1.000
GB 0.0
CX 34.00
CY 0.0
F1 200.011P
F2 45.193P
K2/CM 45.193
PDA/CM 06.173
SR -1402.68

122.610
163.502
163.552
150.990
146.393
99.560
74.659
25.156
25.663
22.226
11.230

76.084
75.982
75.880

77.004
77.004
77.004
77.004
77.004





14

EY-I-296

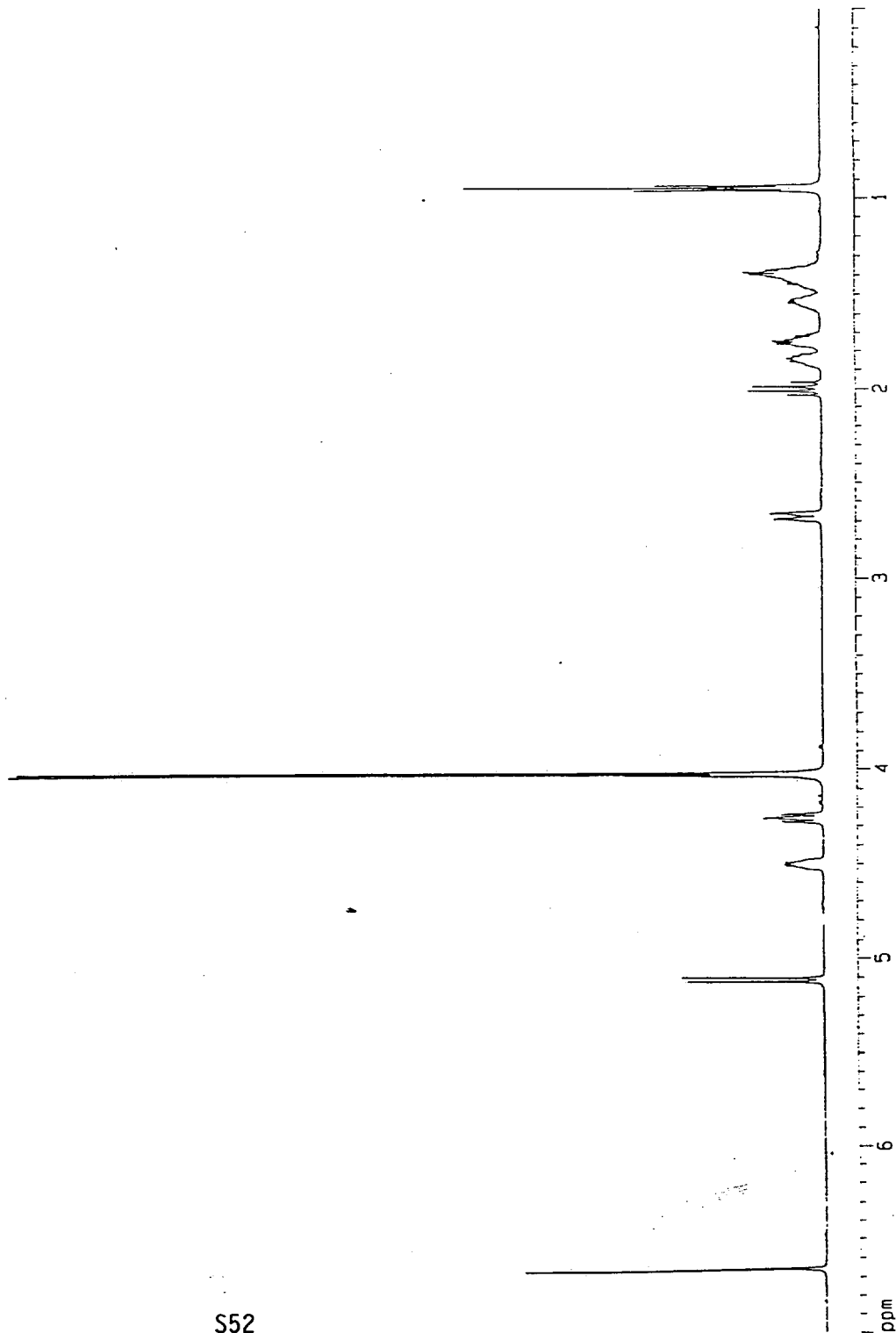
Current Data Parameters
NAME hart
EXPNO 5
PROCNO 1

F2 - Acquisition Parameters
Date_ 971022
Time 18.36
INSTRUM spect
PROBHD 5 mm BBO BB-1
PULPROG noemul
TD 32768
SOLVENT CDCl3
NS 80

SWH 5000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2768500 sec
RG 128
DW 100.000 usec
DE 6.00 usec
TE 300.0 K
d11 0.03000000 sec
d12 0.00020000 sec
PL14 70.00 dB
d1 1.00000000 sec
F0R151 noedit 4
L4 50
D20 0.05000000 sec
SF02 500.1300000 MHz
NUC2 1H
PL2 120.00 dB
P1 8.10 usec
SF01 500.1322110 MHz
NUC1 1H
PL1 -1.00 dB

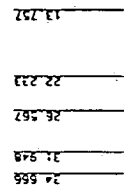
F2 - Processing parameters
SI 16384
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 7.000 ppm
F1 3500.91 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.35000 ppm/cm
HZCM 175.04550 Hz/cm





100.00%



522 75
546 75
581 75

80.172
79.218
77.419
76.595
75.568

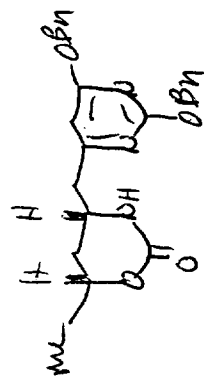
57625

150.110
145.791

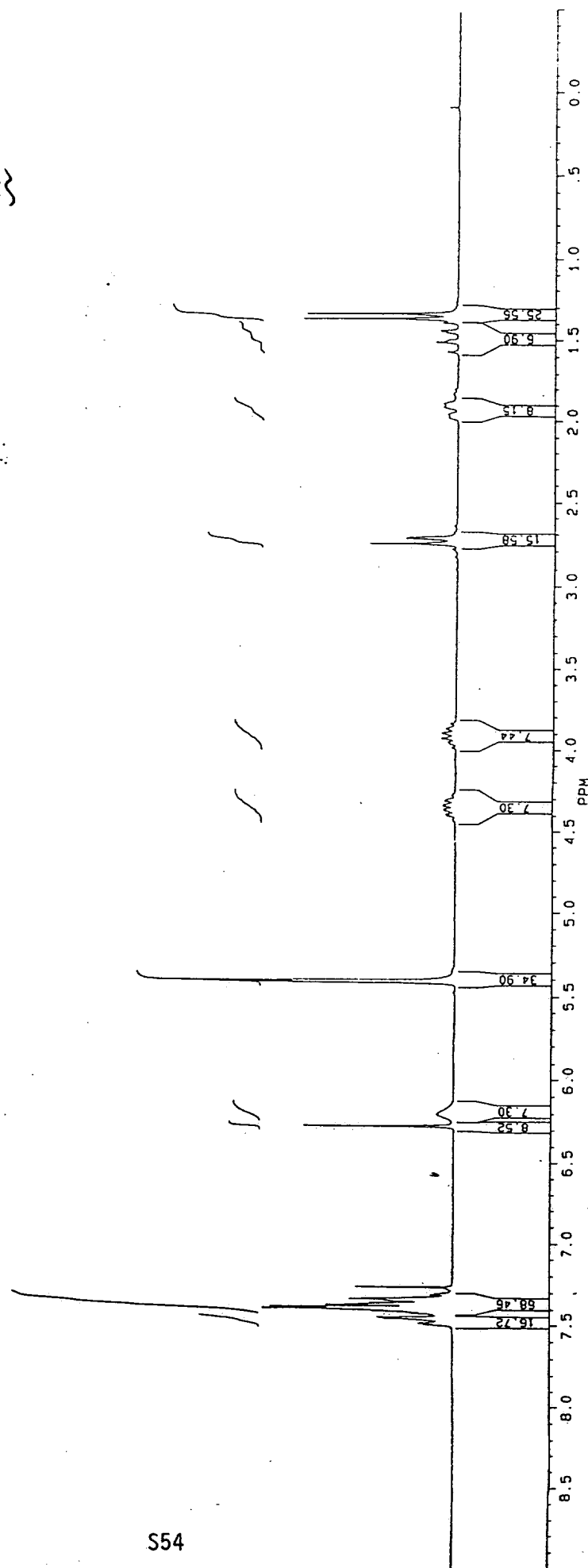
165.478
164.685

172564

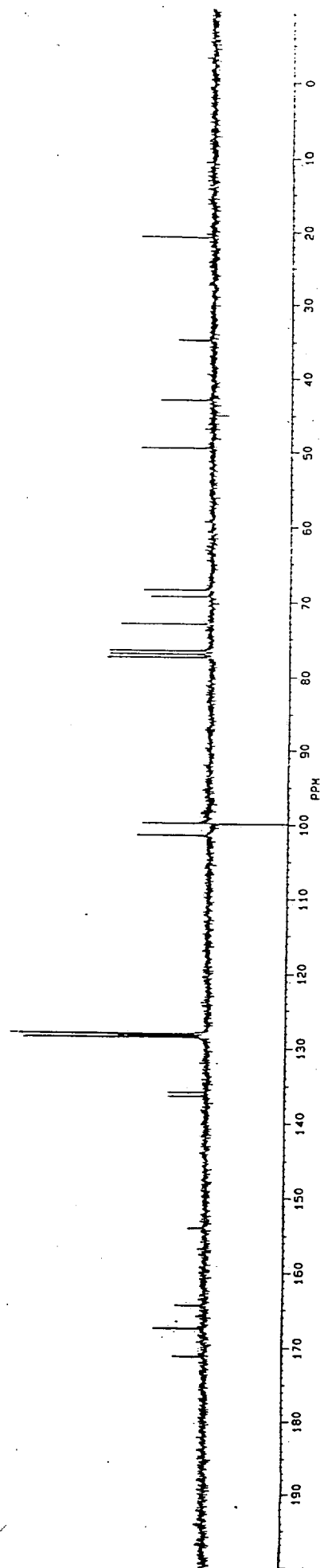
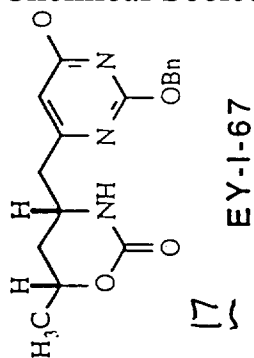
EY-I-67

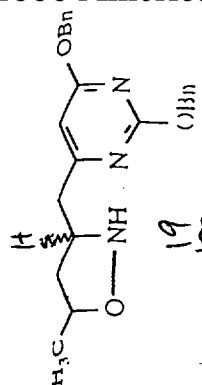


17

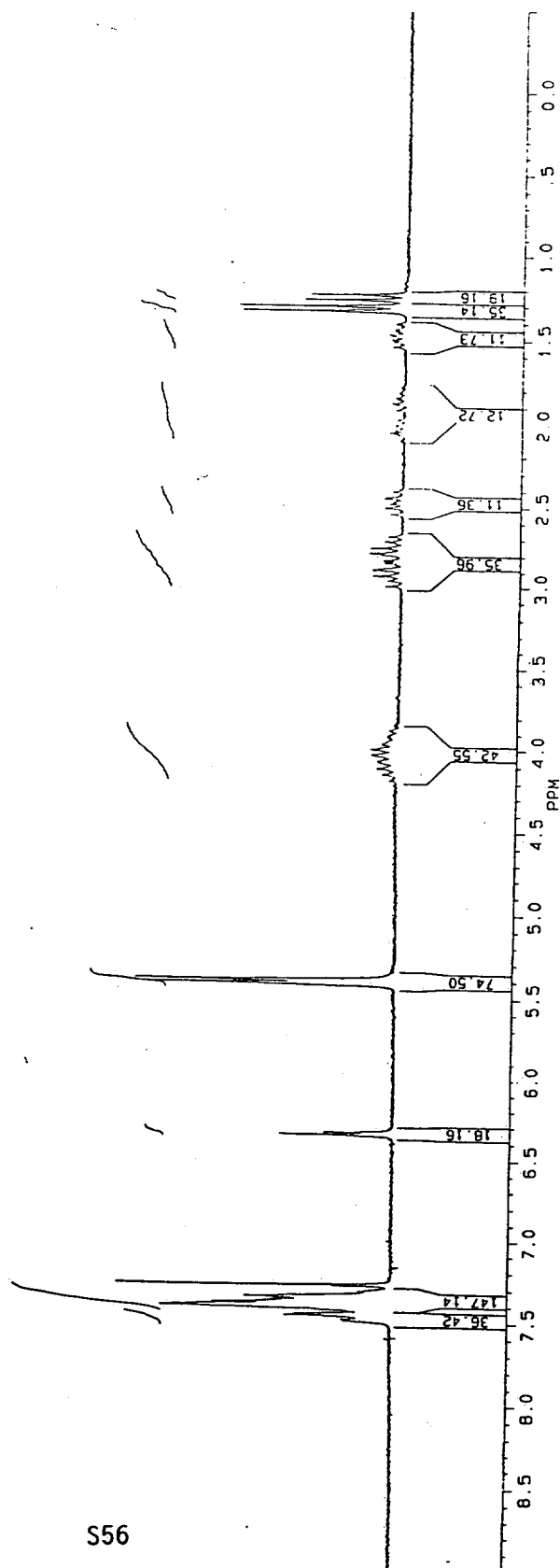


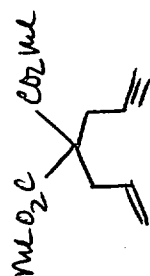
17





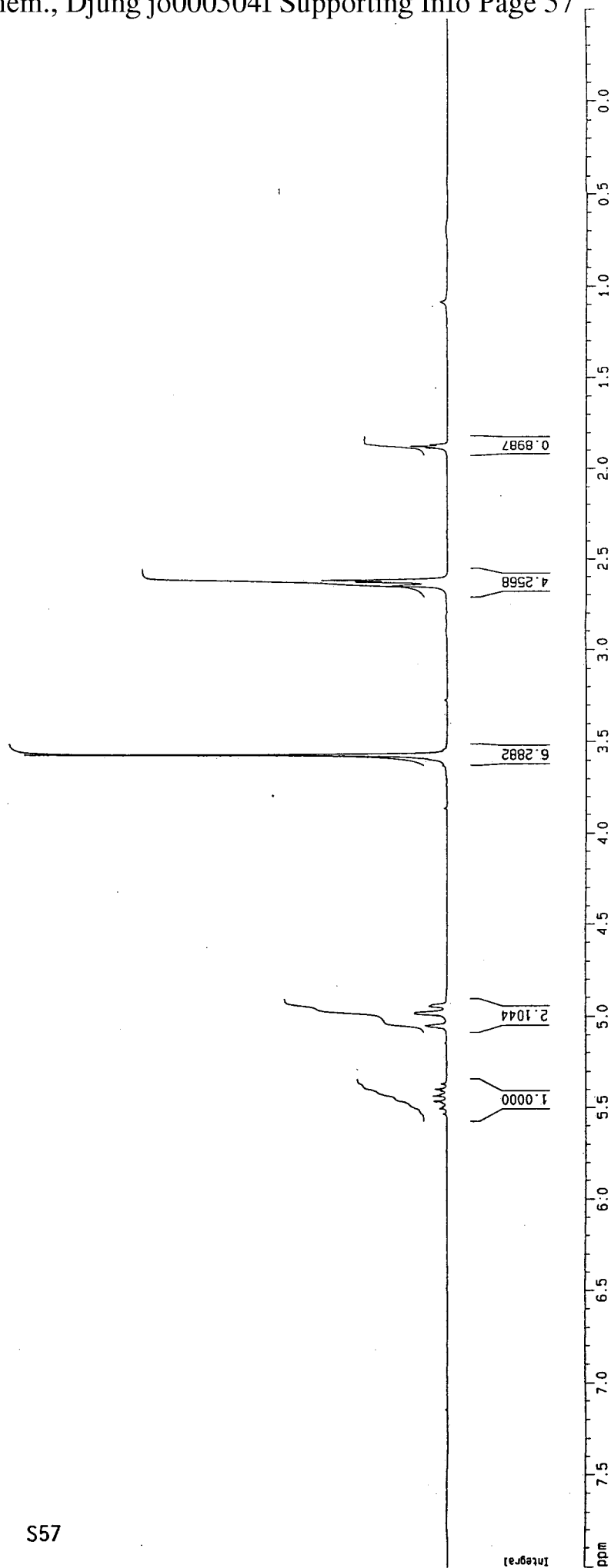
EY-1-94

[illegible]

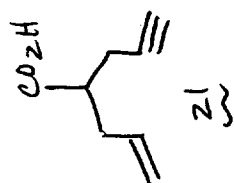


20

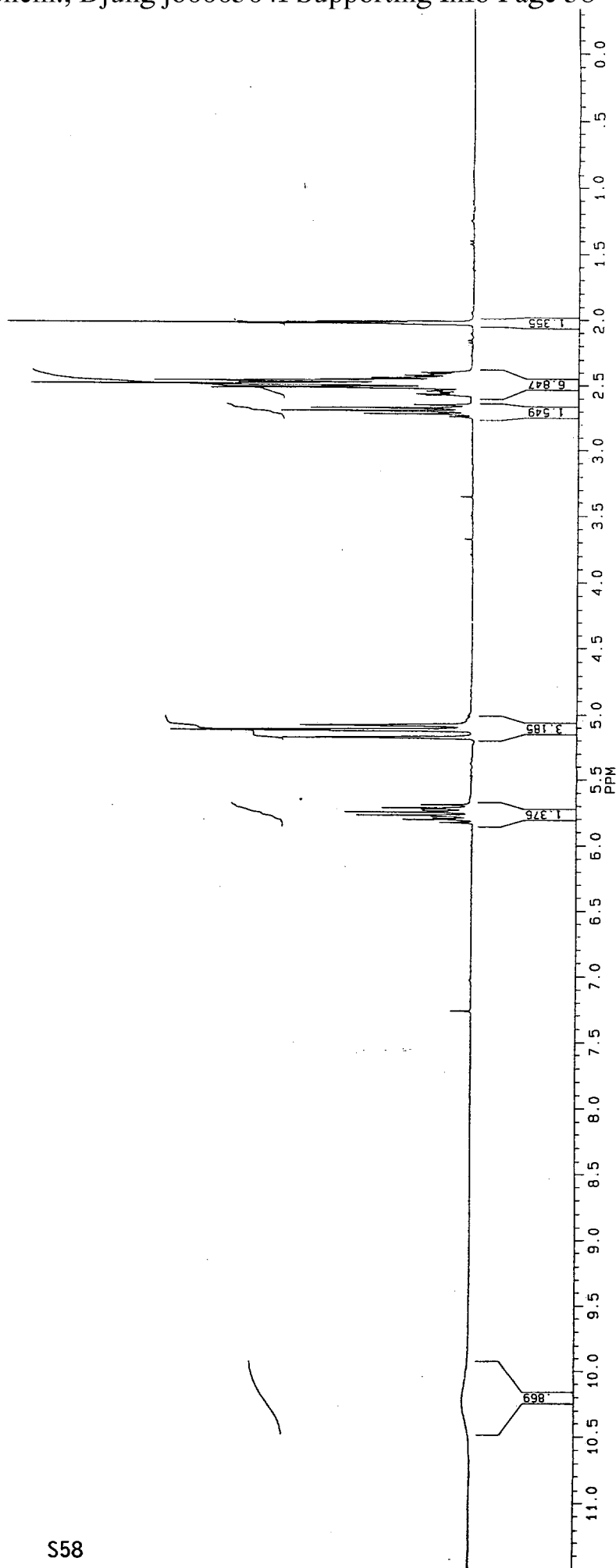
JFD-II-289



2

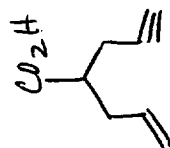
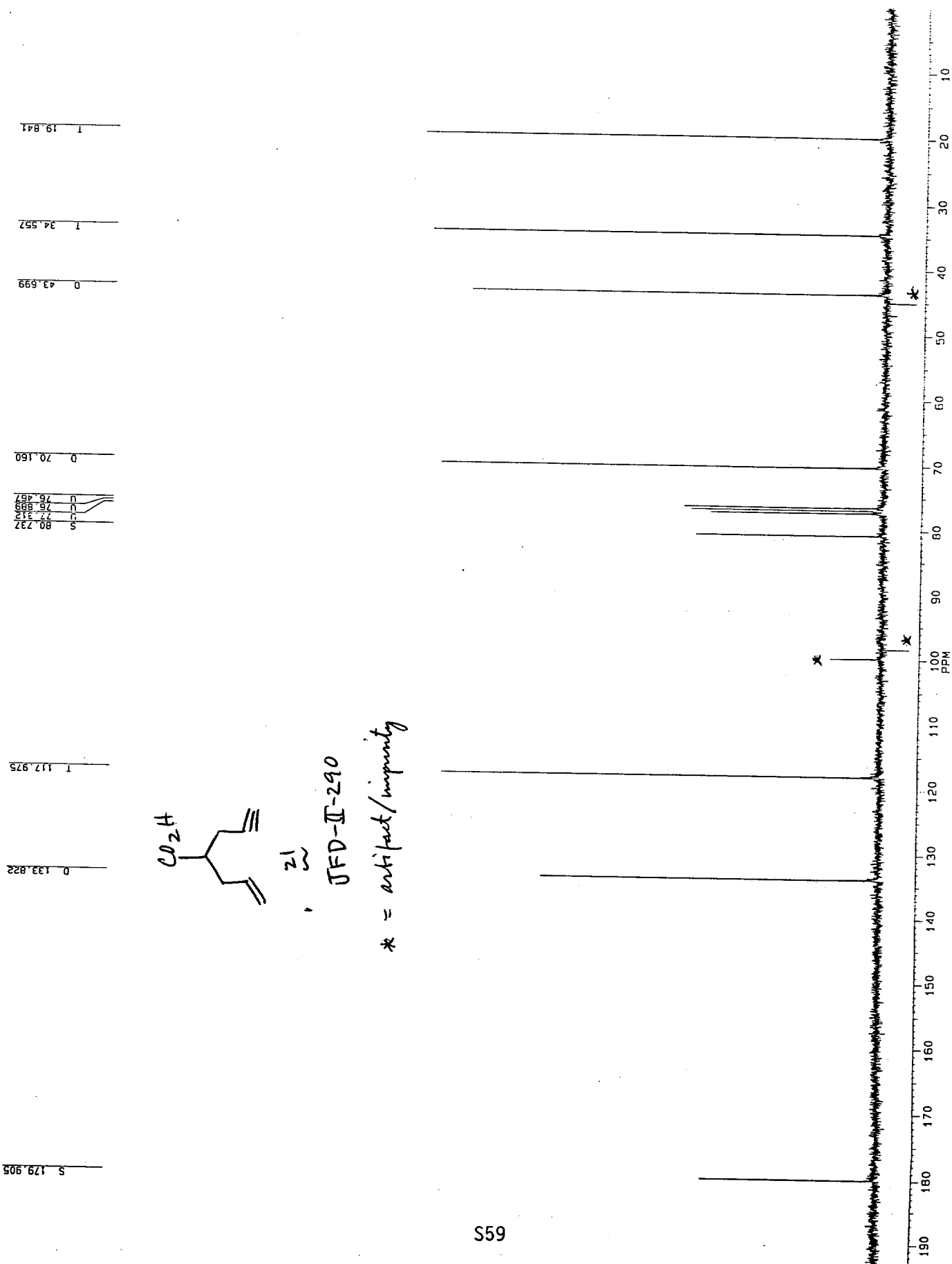


JFD-II-290



~~SECRET~~

JJANEA.004
AU PROG:
882.DF
DATE 13-9-95
SF 75.45
SI 6000.00
SI 32768
SI 32768
SI 20000.00
HZ/PI 1.22
PW 1.8
RD 0.0
AG 1600.81
NS 960
TE 303
FW 25000
Q2 4600.00
DP 16H CPD
LB 1.00
GB 0.0
CX 34.00
CY 12.00
F1 200.01
F2 200.01
HZ/CM 443.54
PPM/CM 5.88
SR -1396.88



21
JFD-II-290
* = artifact/impurity

22

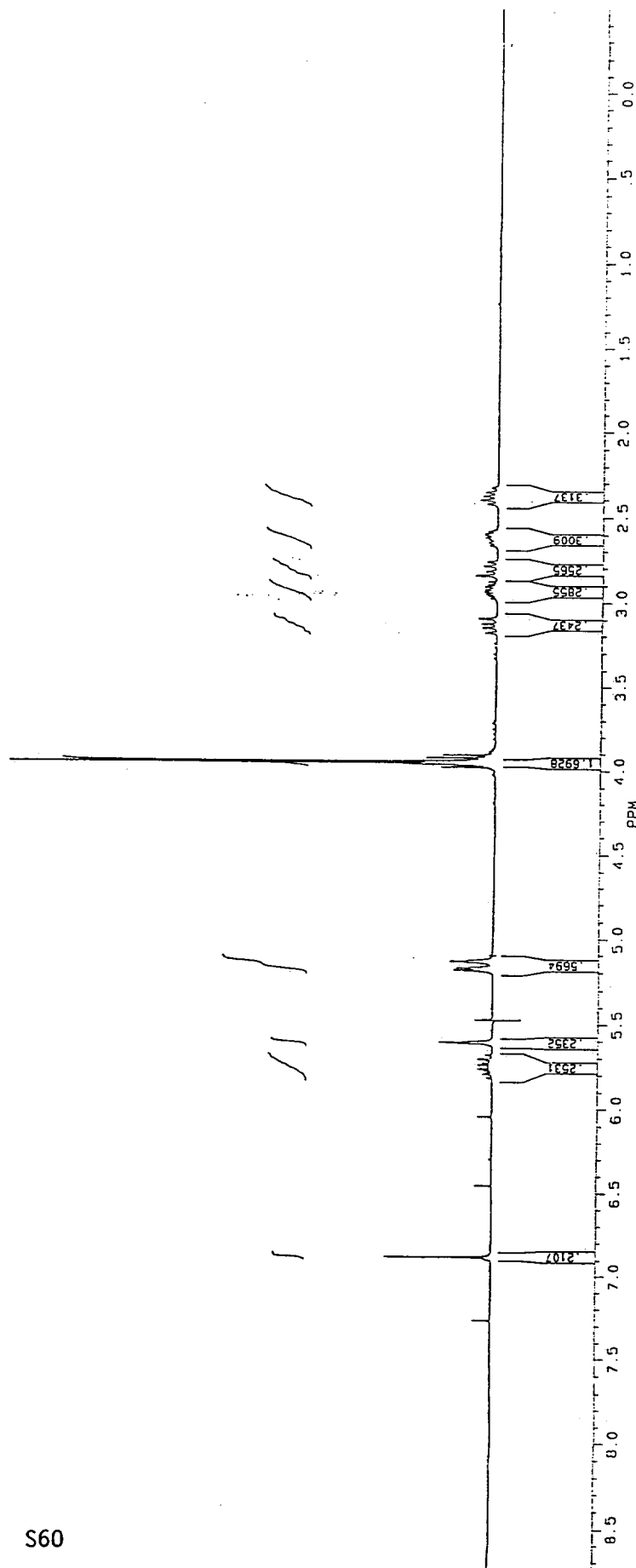
~~SECRET~~

FF092MB.H
DATE 25-10-
SF 300.1
SY 210.0
O1 4868.7
S1 32768
T0 32768
SW 5376.3
HZ/P1 3
PM 4.5
RD 0.0
AQ 3.0
RG 40
NS B
TE 303
FM 6800
OZ 50000.0
DP 30L P0
LB 0.0
GB 0.0
CX 34.0
CY 0.0
F1 9.0
F2 7.4
HZ/CM 83.8
PPM/CM 2
SR 3368.0



22

JFD-II-293



~~BIOL~~

JLACTO.00
 ALI PROG:
 882 DF
 DATE 25-1
 SF 75
 SY 75.0
 OI 6000
 SI 32788
 ID 32788
 SW 20000
 HZ/PT 1
 PW 1
 RD 0
 AG 1600
 RG 640
 NS 303
 TE
 FM 25000
 O2 4600
 DB 16H CF
 LB 1
 CB 0
 CX 34
 CY 10
 F1 199
 F2
 HZ/CM 443
 PPM/CM 5
 SR -1394

D 37.670
 T 34.493
 T 32.071

0 54.387
 0 53.654

U 77.325
 U 76.901
 U 76.475

0 99.893
 U 99.852
 0 104.227

T 118.799

0 132.865

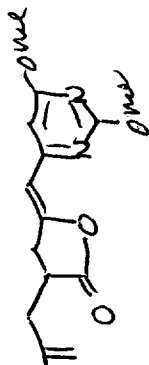
S 153.709

S 161.338

S 164.899

S 172.176

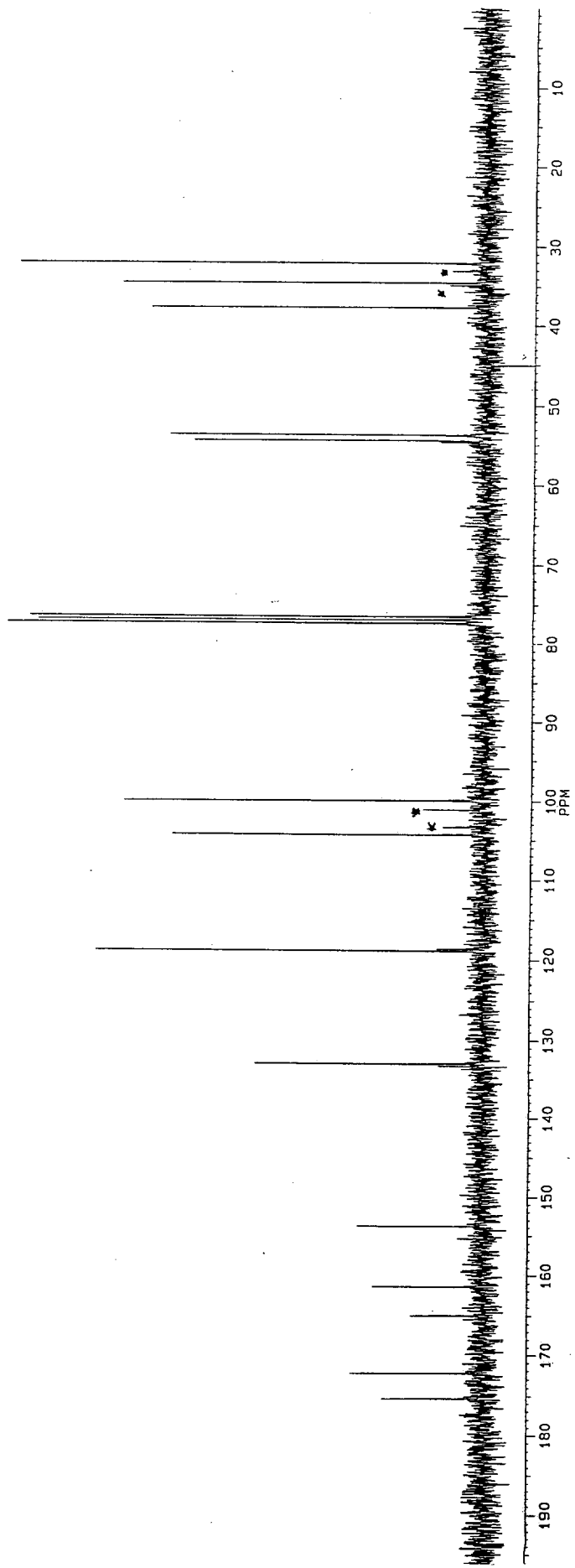
S 175.297



22

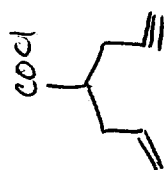
JFD-II-243

* = artifact / impurity

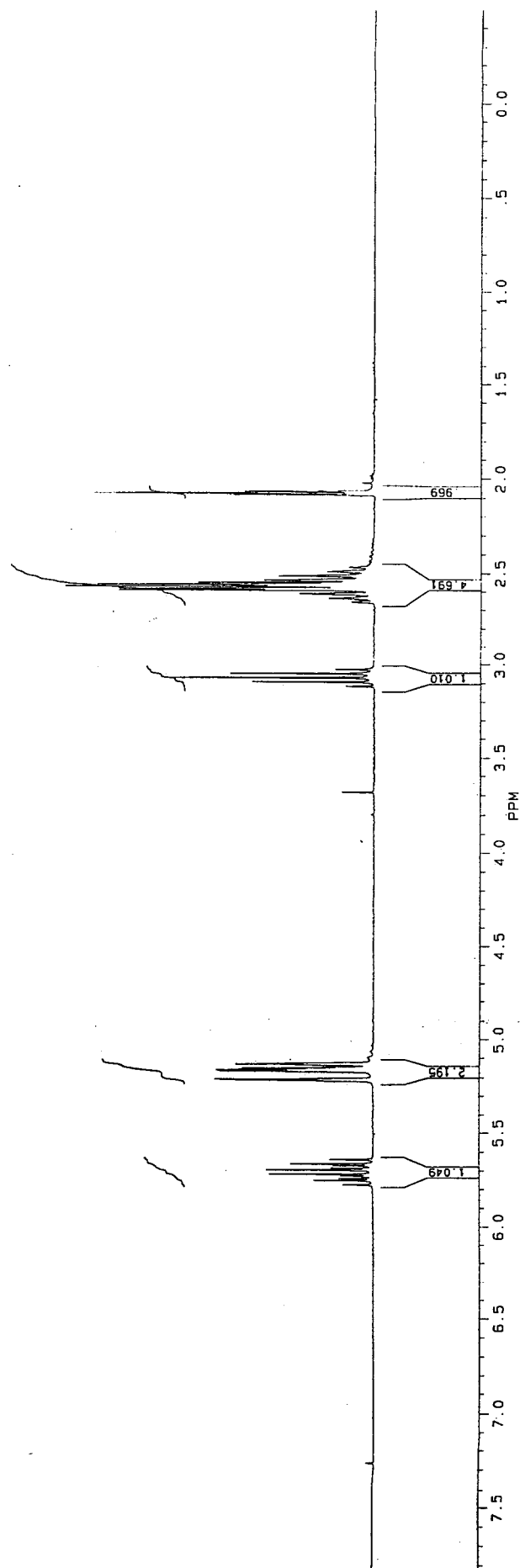


~~BJH~~

DATE 25-1-
SF 300
SY 210.0
O1 4868
S1 32768
TD 32768
SW 5376
HZ/PT
PW 4
RD 0
AQ 3
RG 10
NS 8
TE 303
FW 6800
O2 50000
DP 30L
LB 0
GB 0
CX 34
CY 0
F1 8
F2 75
HZ/CM
PPM/CM
SR 3368



JFD-II-297

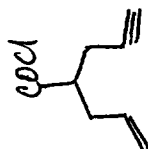


1	20.183
1	34.417
0	55.164
0	71.313
U	75.473
U	76.896
U	77.324
S	79.107

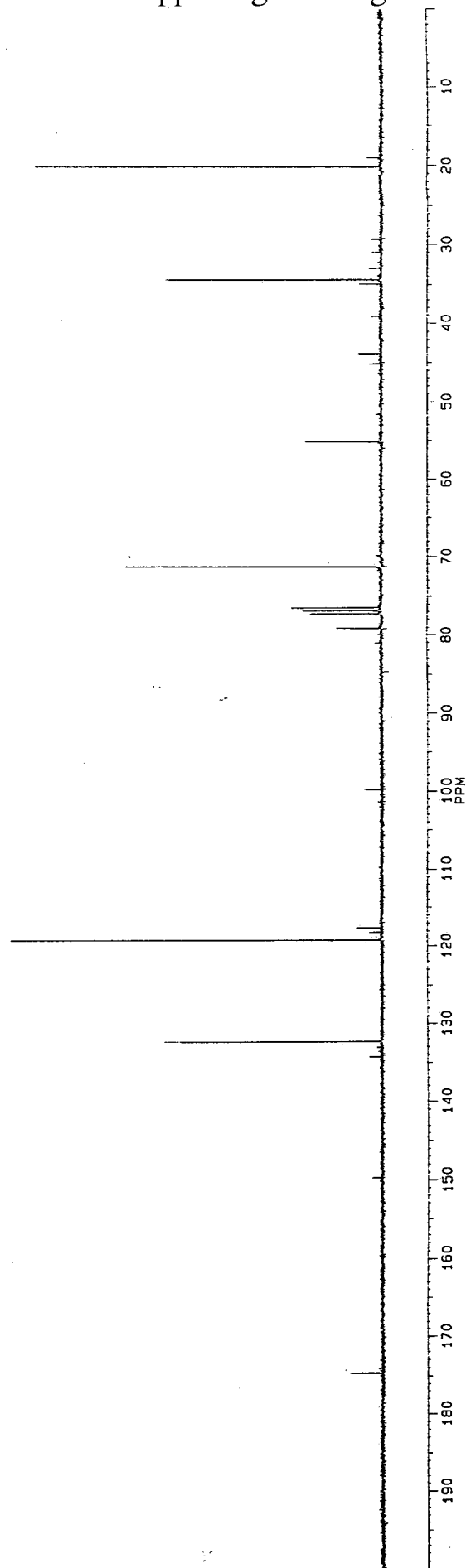
1	119.158
0	132.292

S	174.509
---	---------

Mdd

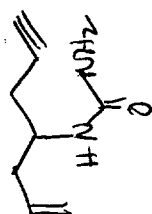


JFD-II-297



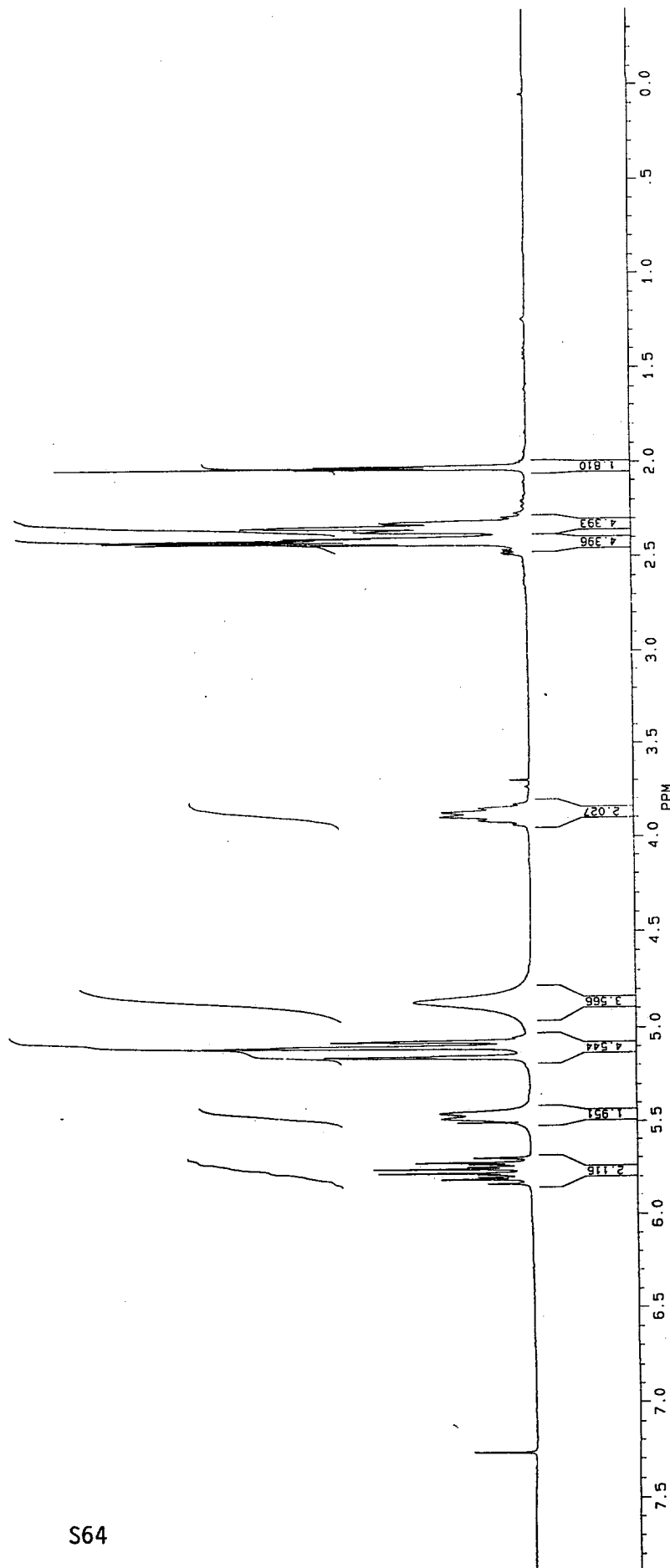
~~BRUK~~

DATE 25-1-
SF 300
SY 210.0
Q1 488
S1 32788
T0 32788
SW 5378
HZ/PI
PW 4
RD 0
AQ 0
RG 40
NS 32
TE 302
FW 6800
O2 5000
DP 30L F
LB 6
GB 3
CX 3
CY 3
F1 3
F2 3
HZ/CM 7
PPM/CM
SR 336



23

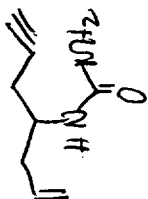
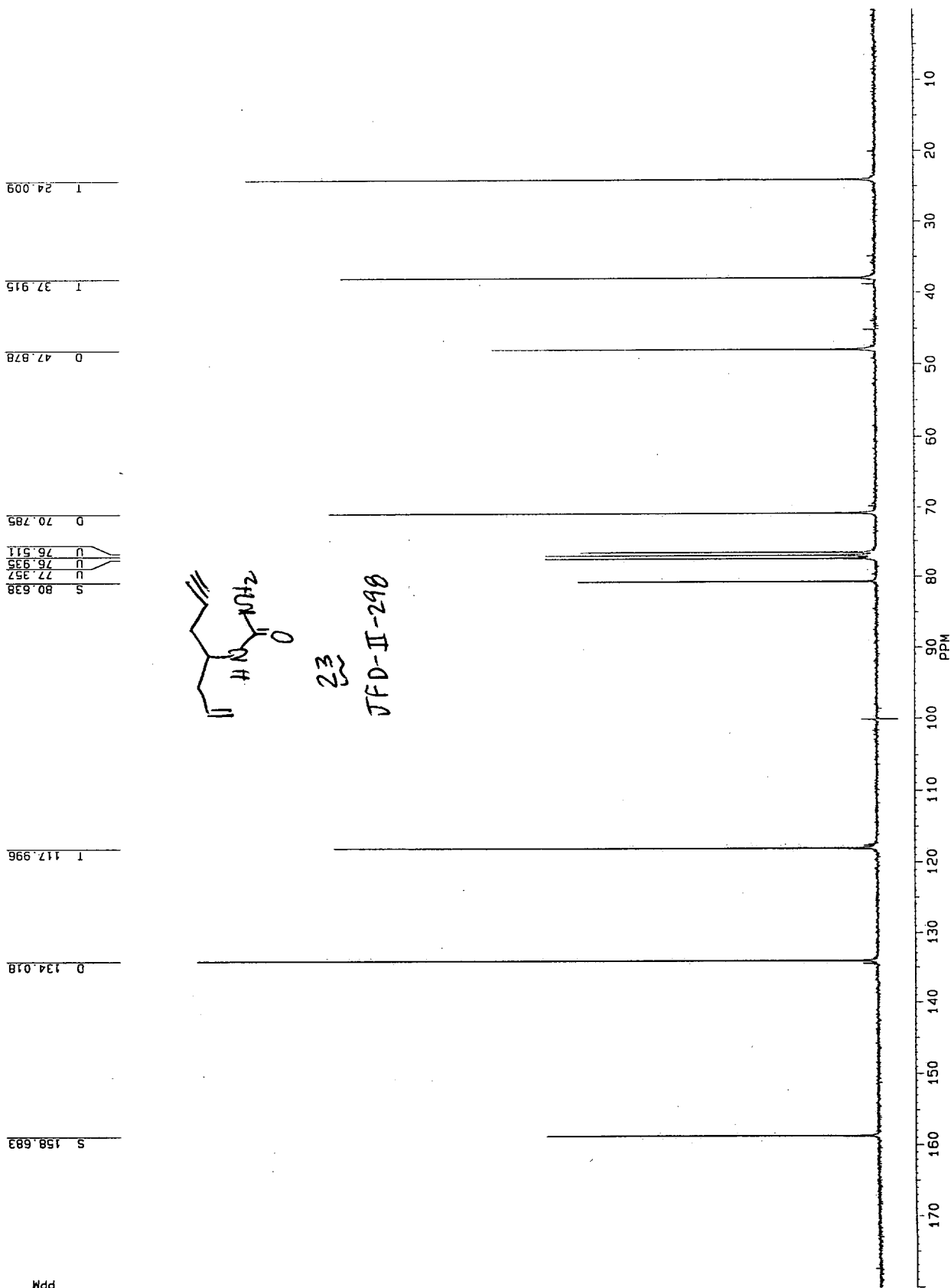
JFD-II-298



JFD-II-298, CDCl₃, CRUDE



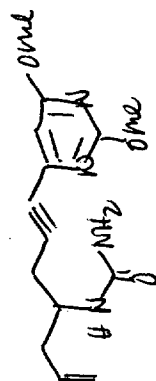
UUREA.004
AU BR06:
882.DF
DATE 2-2-99
SF 75.469
SY 75.0
O1 6000.000
SI 32768
TD 32768
SW 20000.000
HZ/PT 1.221
PW 1.8
RD 0.0
AQ 819
RG 1600
NS 18240
TE 303
FW 25000
O2 4600.000
DP 16H CPD
LB 1.000
GB 0.0
CX 34.00
CY 18.00
F1 180.004P
F2 008P
HZ/CM 399.529
PPM/CM 5.294
SR -1396.88



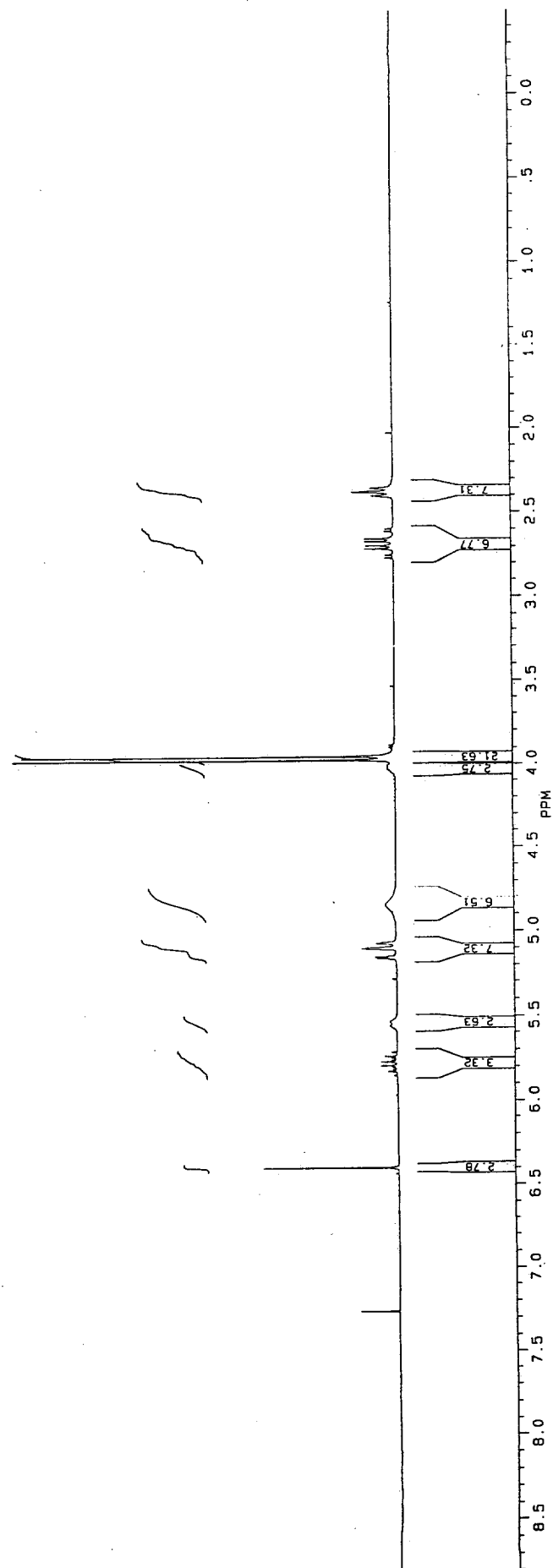
23
JFD-II-298



L159Y.003
DATE 18-8-00
SF 300.1
SY 210.0
O1 4868.1
SI 32768
TD 32768
SN 5376.1
HZ/PT
PW 4.1
RD 0.1
AQ 3.1
RG 80
NS 151
TE 303
FW 5800
O2 5000.0
DP 30L PD
LB 0.0
GB 0.0
CX 34.1
CY 0.0
F1 9.1
F2 83.1
HZ/CM
PPM/CM
SR 3368.1



24
JFD-II-302A



T 24.957

T 38.149

U 44.987

D 47.724

O 53.872

O 54.789

U 76.495

U 76.918

U 77.340

S 80.608

S 90.801

U 99.714

D 104.208

T 118.004

D 133.986

S 151.371

S 158.549

S 165.138

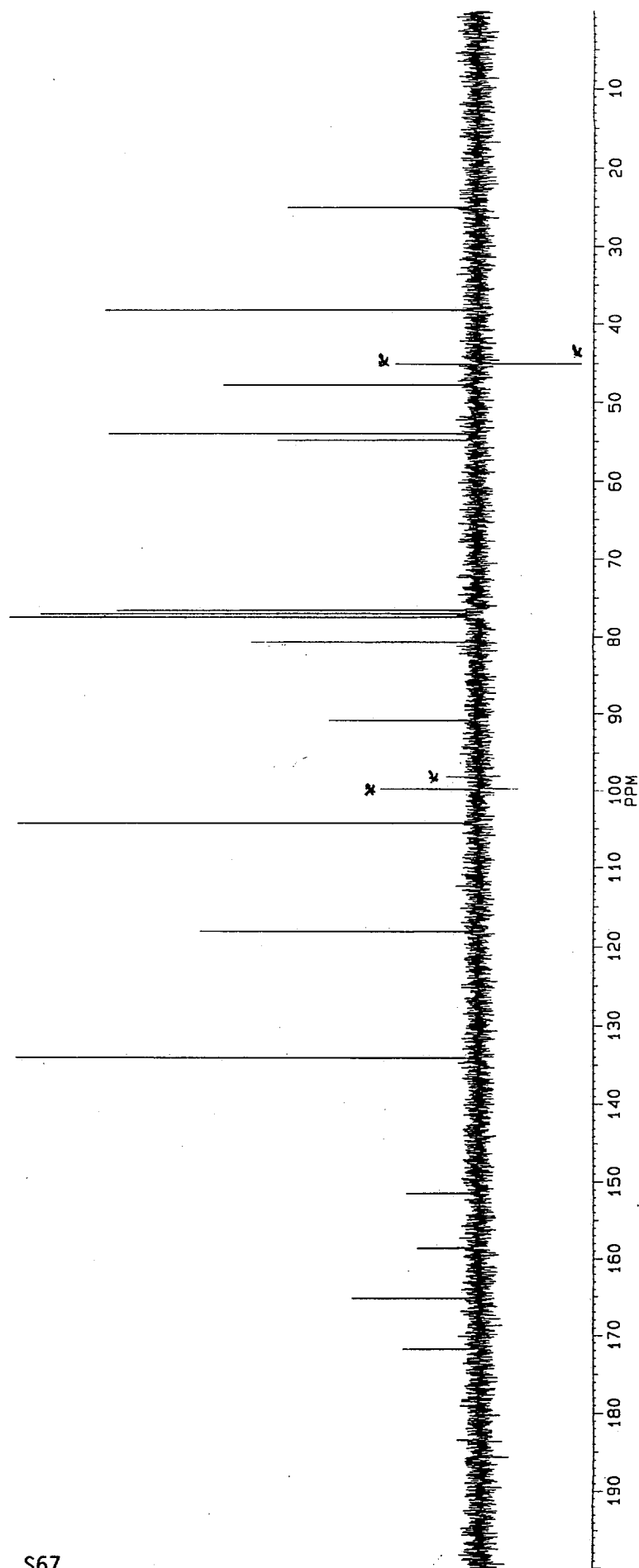
S 171.731



24

JFD-II-302A

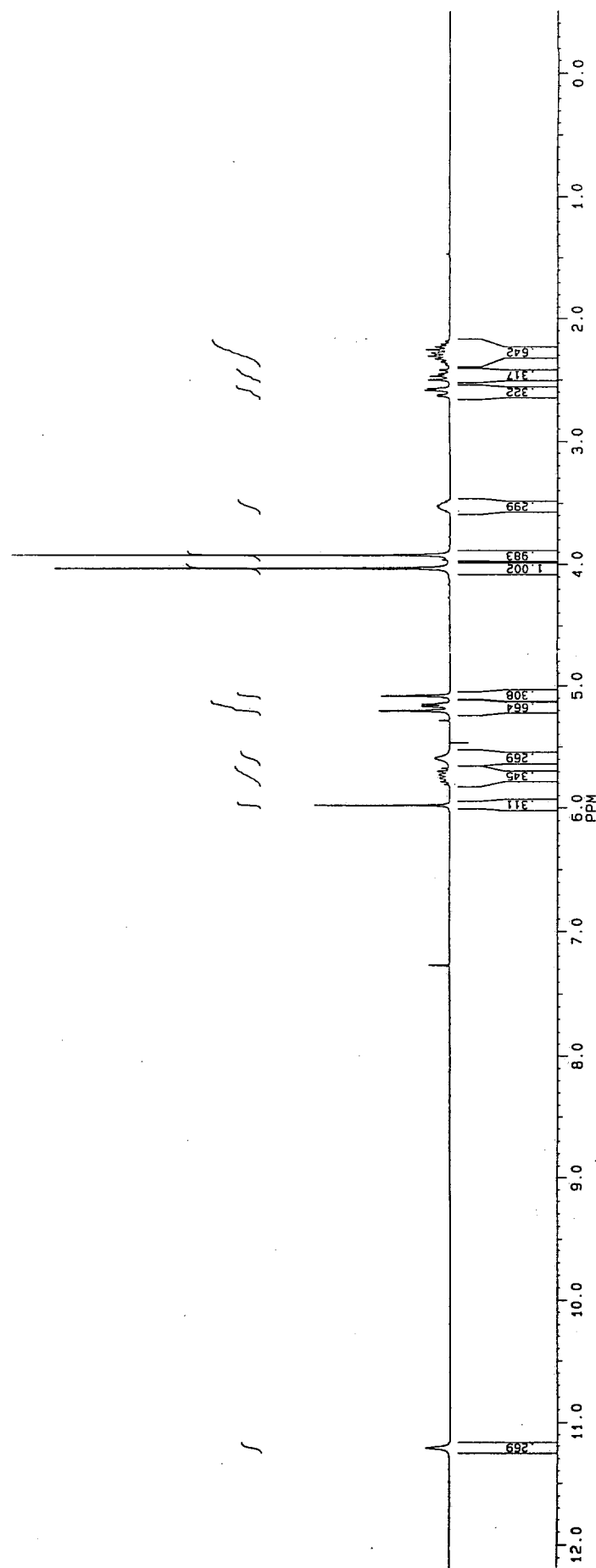
* = artifact/impurity

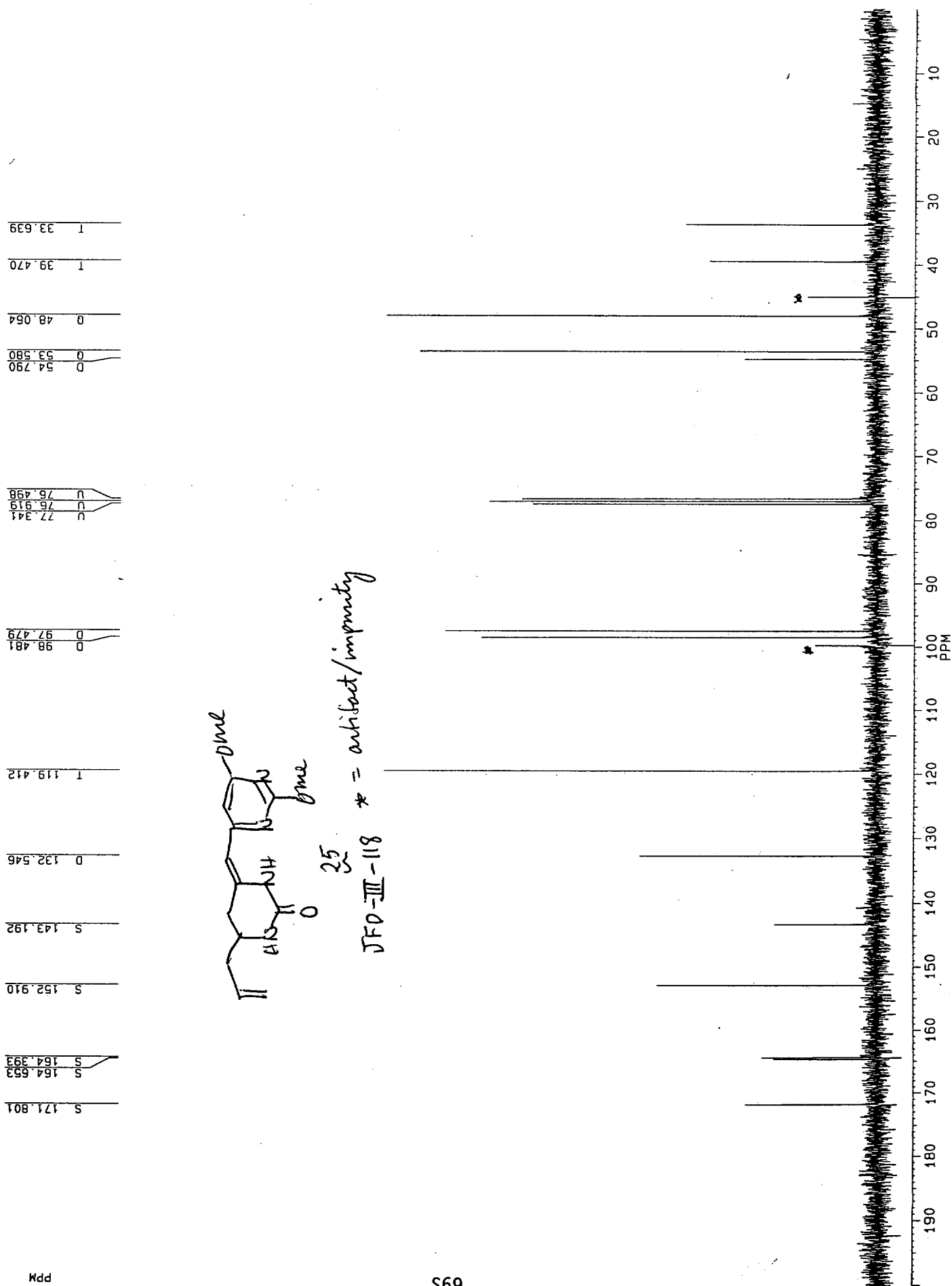




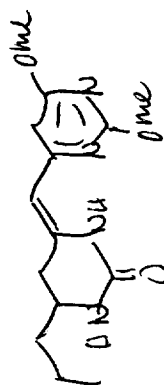
25

JFD-III-118





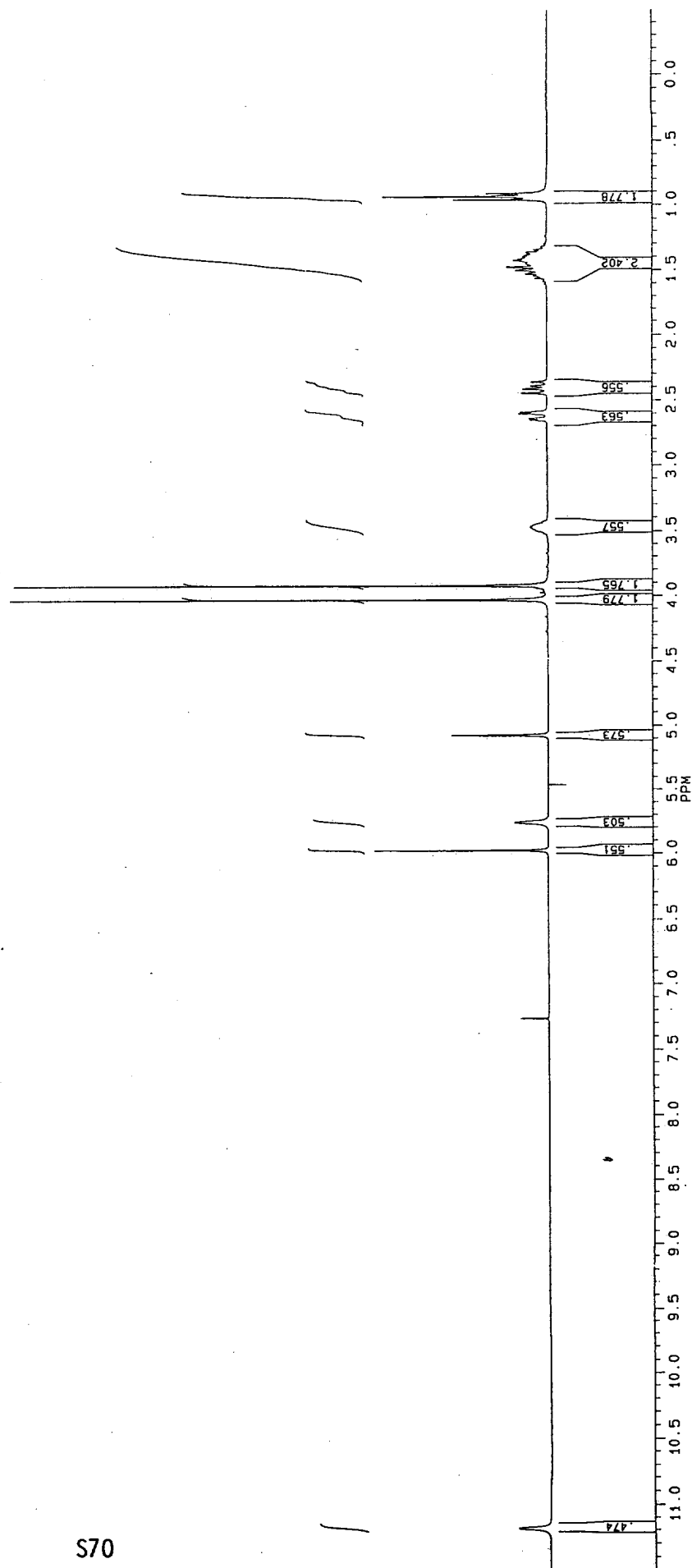
JFD-III-45, COCL3



26

JFD-III-45

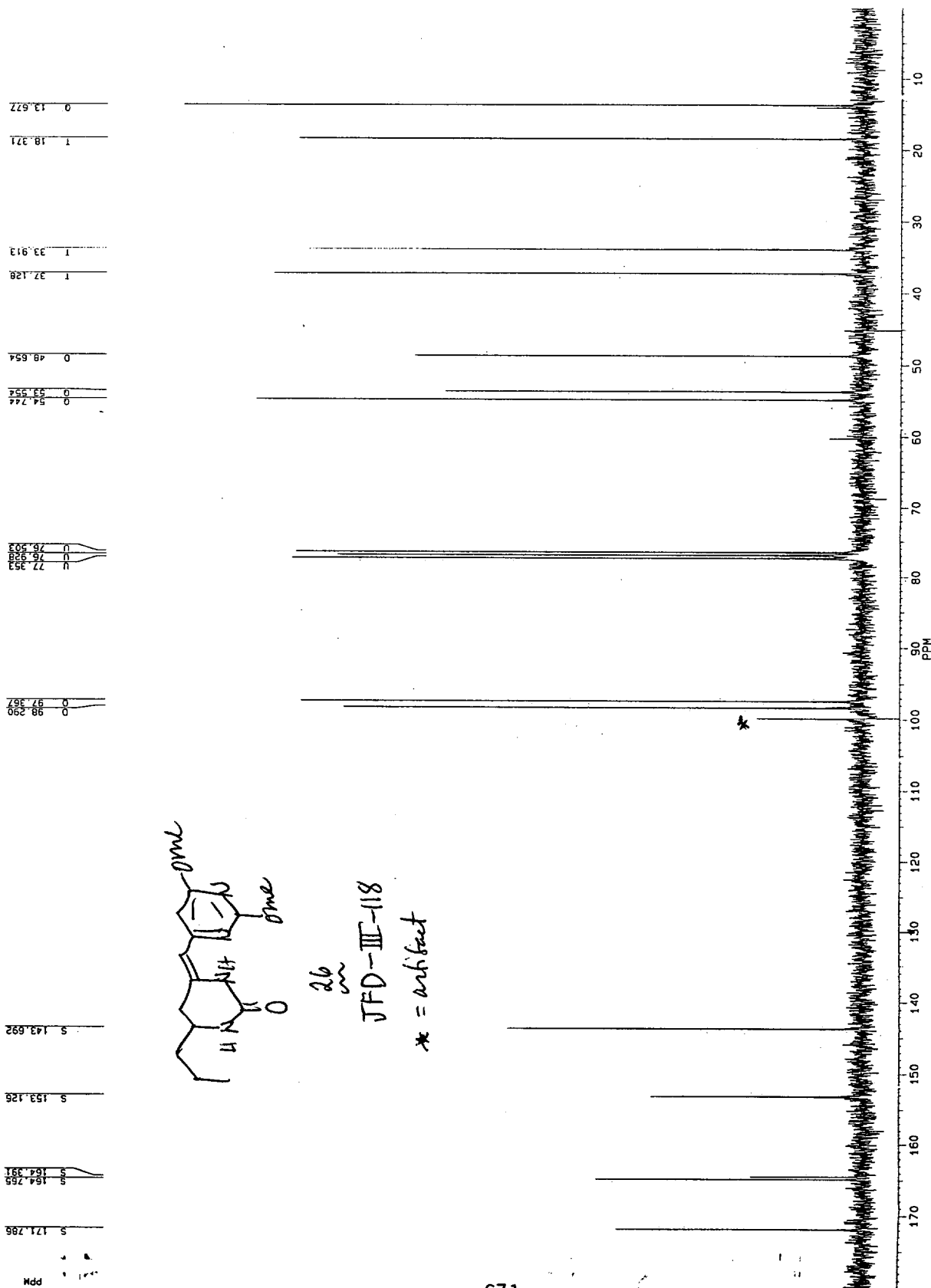
INSTRUMENT: DATE: SF 2: O1 SI TD SW HZ/P: PW RD AQ RG NS TE FW O2 DP LB CB CY F1 F2 HZ/CI PPM/1 SR



2

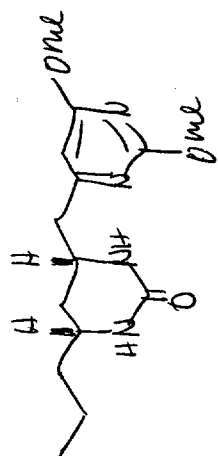
~~SECRET~~

DDJUNG.004
AU PROG:
BB2.DF
DATE 31-3-99
SF 75.469
O1 6000.000
SI 32768
TD 32768
SW 20000.000
HZ/PT 1.221
PW 1.8
RD 0.0
AQ 1600.819
NS 1600
TE 303
FW 25000
O2 4600.000
DP 16H CPD
LB 1.000
GB 0.0
CX 34.00
CY 18.00
F1 180.004F
FZ/CN 399.508F
PRM/CN 5.264
SR -1396.68



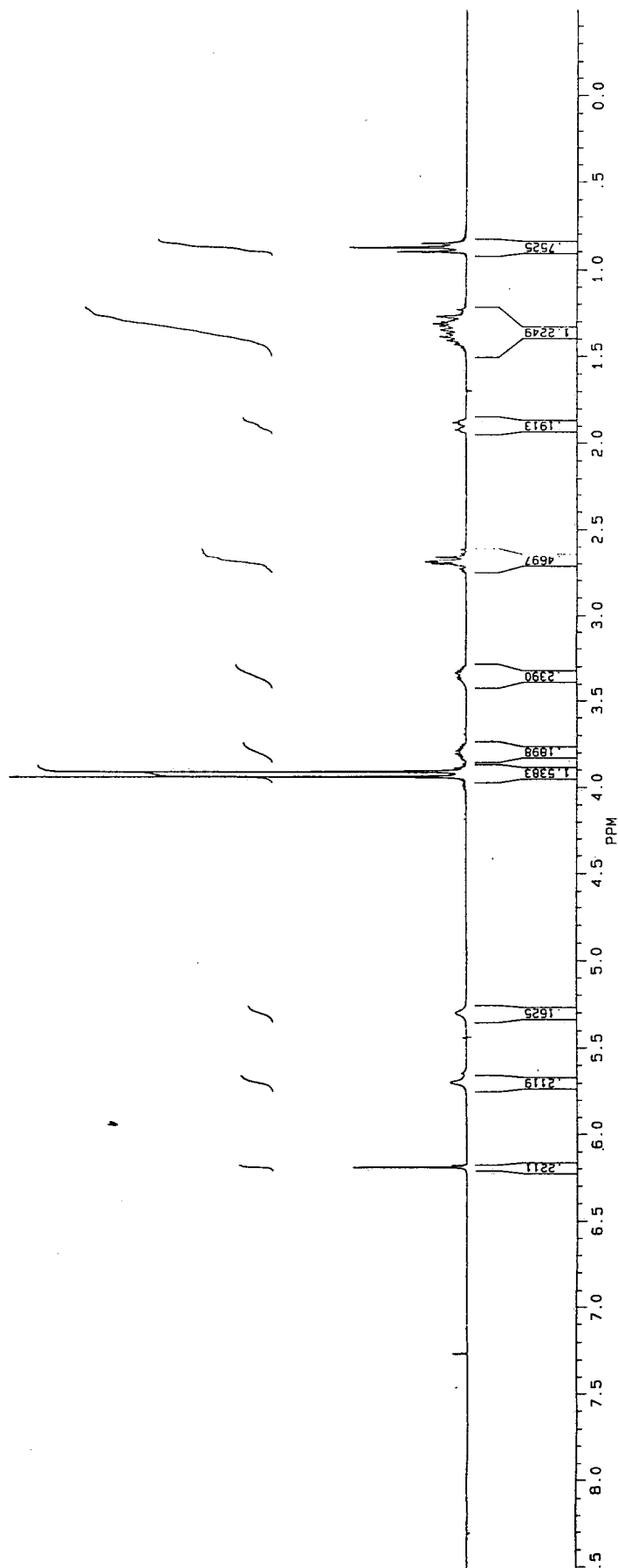
JFD-III-118

2

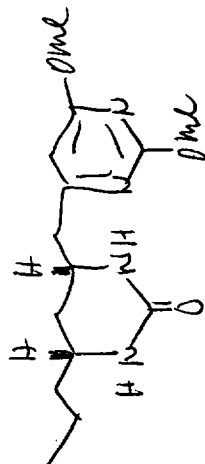


27

JFD-III-19



JFUD_004	ADP05:	ADP06:	ADP07:	ADP08:	ADP09:	ADP10:	ADP11:	ADP12:	ADP13:	ADP14:	ADP15:	ADP16:	ADP17:	ADP18:	ADP19:	ADP20:	ADP21:	ADP22:	ADP23:	ADP24:	ADP25:	ADP26:	ADP27:	ADP28:	ADP29:	ADP30:	ADP31:	ADP32:	ADP33:	ADP34:	ADP35:	ADP36:	ADP37:	ADP38:	ADP39:	ADP40:	ADP41:	ADP42:	ADP43:	ADP44:	ADP45:	ADP46:	ADP47:	ADP48:	ADP49:	ADP50:	ADP51:	ADP52:	ADP53:	ADP54:	ADP55:	ADP56:	ADP57:	ADP58:	ADP59:	ADP60:	ADP61:	ADP62:	ADP63:	ADP64:	ADP65:	ADP66:	ADP67:	ADP68:	ADP69:	ADP70:	ADP71:	ADP72:	ADP73:	ADP74:	ADP75:	ADP76:	ADP77:	ADP78:	ADP79:	ADP80:	ADP81:	ADP82:	ADP83:	ADP84:	ADP85:	ADP86:	ADP87:	ADP88:	ADP89:	ADP90:	ADP91:	ADP92:	ADP93:	ADP94:	ADP95:	ADP96:	ADP97:	ADP98:	ADP99:	ADP100:
ADP05:	ADP06:	ADP07:	ADP08:	ADP09:	ADP10:	ADP11:	ADP12:	ADP13:	ADP14:	ADP15:	ADP16:	ADP17:	ADP18:	ADP19:	ADP20:	ADP21:	ADP22:	ADP23:	ADP24:	ADP25:	ADP26:	ADP27:	ADP28:	ADP29:	ADP30:	ADP31:	ADP32:	ADP33:	ADP34:	ADP35:	ADP36:	ADP37:	ADP38:	ADP39:	ADP40:	ADP41:	ADP42:	ADP43:	ADP44:	ADP45:	ADP46:	ADP47:	ADP48:	ADP49:	ADP50:	ADP51:	ADP52:	ADP53:	ADP54:	ADP55:	ADP56:	ADP57:	ADP58:	ADP59:	ADP60:	ADP61:	ADP62:	ADP63:	ADP64:	ADP65:	ADP66:	ADP67:	ADP68:	ADP69:	ADP70:	ADP71:	ADP72:	ADP73:	ADP74:	ADP75:	ADP76:	ADP77:	ADP78:	ADP79:	ADP80:	ADP81:	ADP82:	ADP83:	ADP84:	ADP85:	ADP86:	ADP87:	ADP88:	ADP89:	ADP90:	ADP91:	ADP92:	ADP93:	ADP94:	ADP95:	ADP96:	ADP97:	ADP98:	ADP99:	ADP100:	

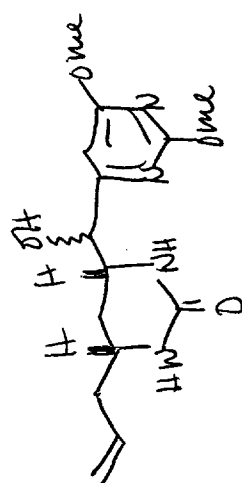


22~

JFD-III-119

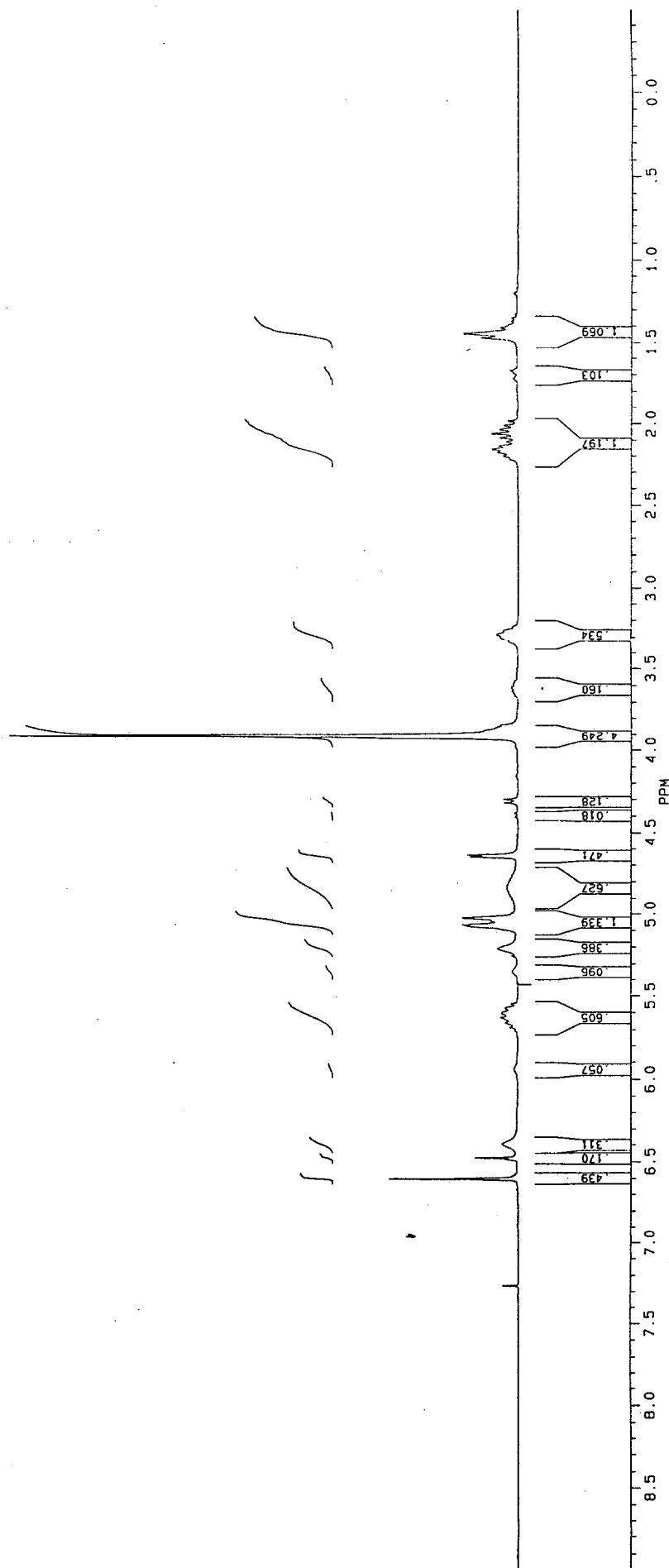
~~to~~ = artifact

24 + 3



24 + 30
m

JFD-III-114



24

~~BIR~~

JJRED. 004
AU PROG:
B82.DF
DATE 4-8-9
SF 75.
SY 75.0
O1 6000.
S1 32768
TD 32768
SW 20000.
HZ/PT 1.
PW 1.
RD 0.
AQ 1600
RG 2560
NS 303
TE 25000
FW 4600.
DP 16H CP
LB 1.
GB 0.
CX 34.
CY 10.
F1 199.
F2 443.
HZ/CM 5.
PPM/CM 5.
SR -1394.

1 26.970
1 30.360

1 40.043

0 48.789
0 48.919
0 52.630
0 53.698
0 53.731
0 54.449
0 54.490
0 54.584
0 54.649

0 72.877
0 75.457
0 76.583
0 77.006
0 77.432

0 98.418
0 98.099
0 99.685

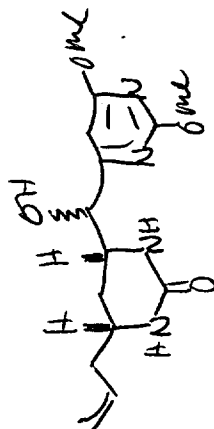
1 118.635
1 119.588

0 133.114
0 133.000

5 157.491
5 158.088

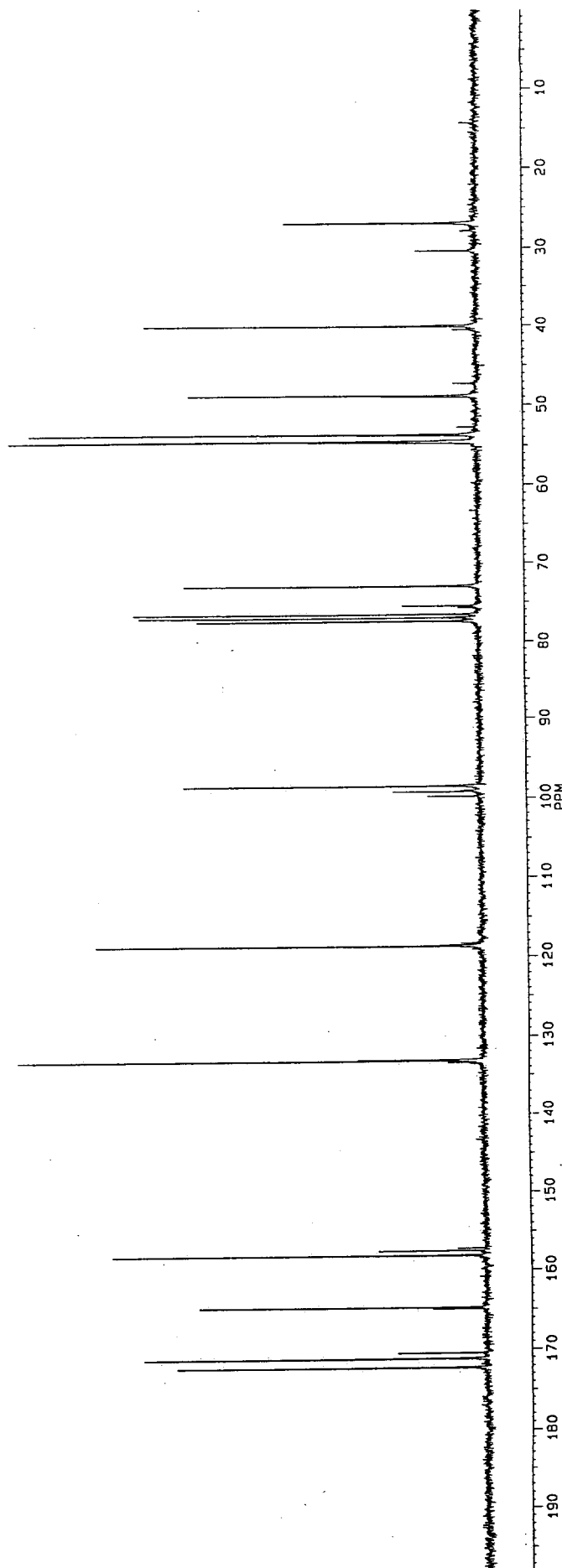
5 164.854
5 164.824

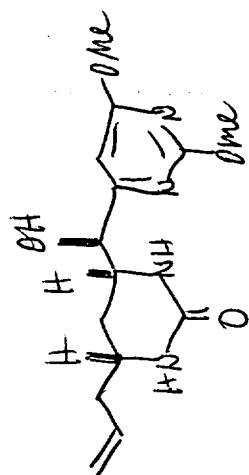
5 170.333
5 171.013
5 172.096
5 172.145



29+30

JFD-III-114

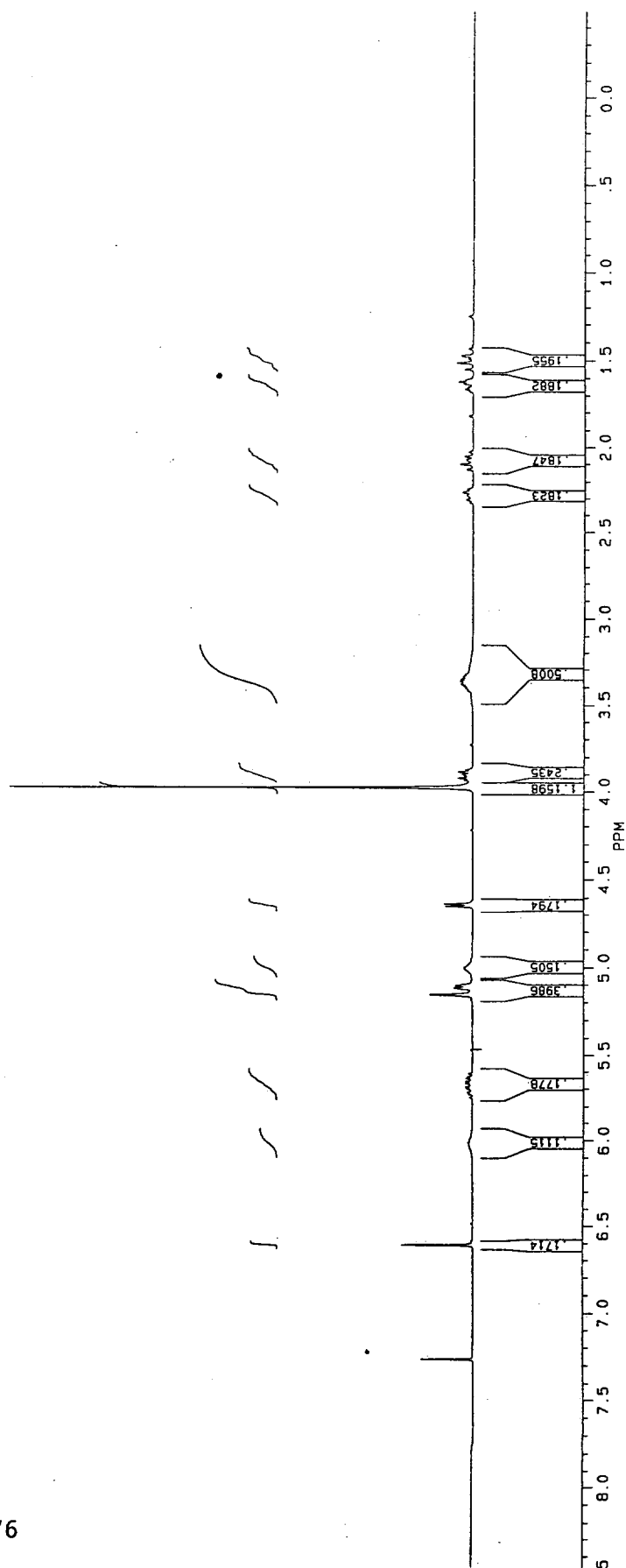




29

JFD-III-161

~~BLANK~~
 FG1468.001
 DATE 28-8-99
 SF 300.133
 SI 210.0
 SI 4888.701
 SI 32768
 SI 32768
 SI 5376.344
 HZ/PT 328
 PW 4.5
 PD 0.0
 AQ 3.047
 RG 160
 NS 81
 TE 303
 FM 5800
 D2 50000.000
 DP 30L P0
 LB 0.0
 GB 0.0
 CX 34.00
 CY 0.0
 F1 9.001P
 F2 83.861
 HZ/CM 83.861
 PPM/CM 279
 SR 3368.01



~~BUJIF~~

JJPR00M.004
AU PROG:
882.DF
DATE 29-8-91

SF 75.41
SY 75.0
O1 6000.01
SI 32768
TD 32768
SW 20000.01
HZ/PT 1.2

PW 1.8
RD 0.0
AQ 0.8
RG 1600
NS 29120
TE 303

FW 25000
O2 4600.01
DP 16H CPD

LB 0.0
GB 0.0
CX 34.0
CY 18.0
F1 200.0
F2 0.0
HZ/CM 443.9
PPM/CM 5.8
SR -1396.8

1 27.830

1 40.218

U 44.987

D 48.808

0 53.888

0 54.697

0 54.745

D 73.233

U 76.467

U 76.889

U 77.311

D 98.740

U 99.809

1 119.154

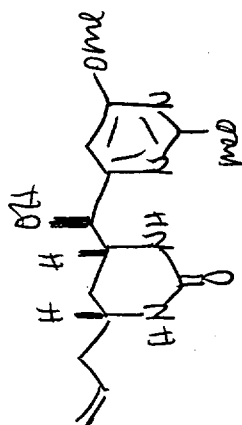
D 132.935

S 157.633

S 164.864

S 169.960

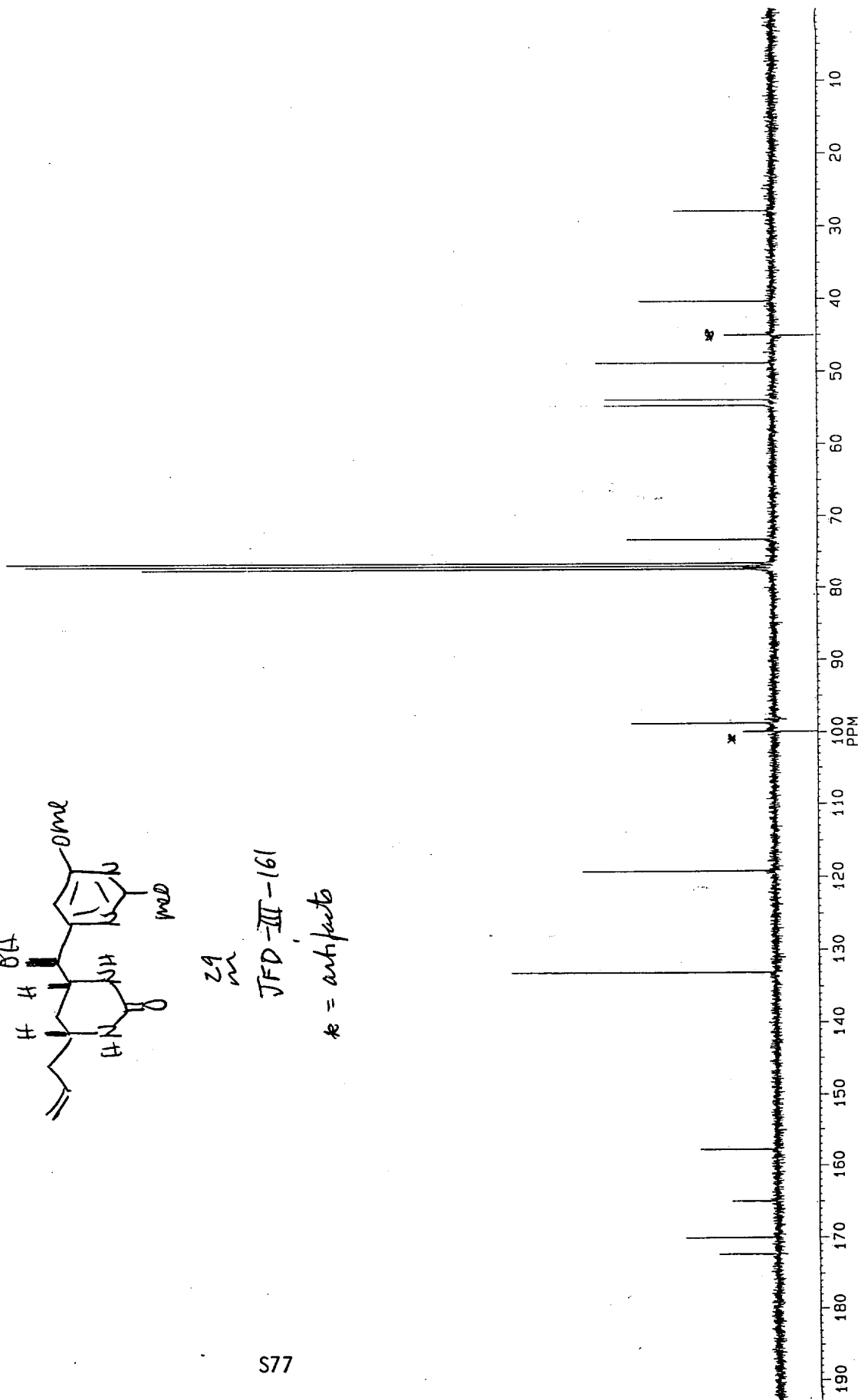
S 172.290

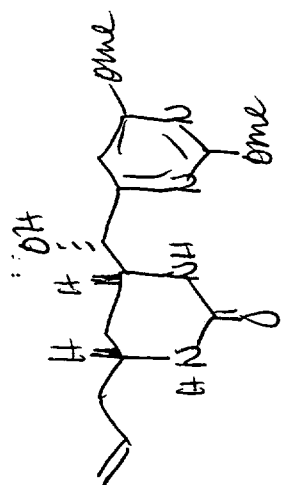


29

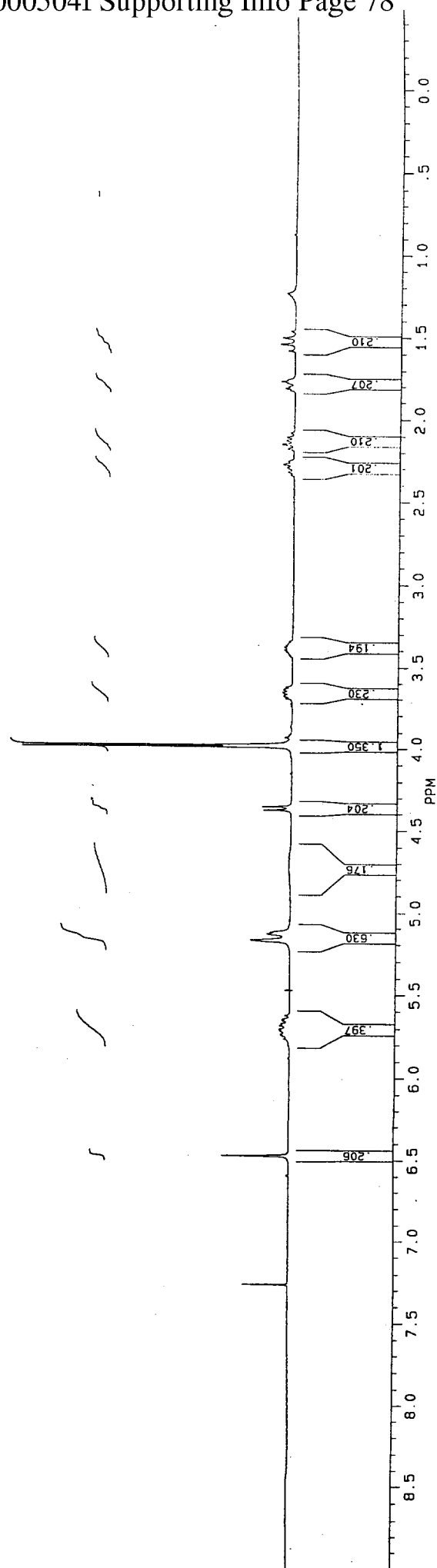
JFD-III-161

* = artifacts





30
JFD-III-174



~~SECRET~~

JMITS.004
AU PROG:
BB2.DF
DATE 24-10

SF 75.0
SY 75.0
O1 6000.1
SI 32768
TD 32768
SW 30000.1
HZ/PT 1.1

PW 1.1
RD 0.1
AQ 1500
RG 3200
NS 303
TE 25000

FW 4500.1
O2 16H CPT
DP 200.0

LB 1.1
GB 0.1
CX 34.1
CY 12.1
F1 200.1
F2 443.1
HZ/CM 5.1
PPM/CM 5.1
SR -1396.1

1 30.640

1 40.205

0 49.905

0 53.983

0 54.838

0 75.015

U 76.482

U 76.904

U 77.327

0 99.192

U 99.669

1 119.186

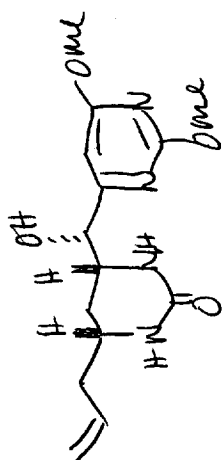
0 132.825

S 156.976

S 165.056

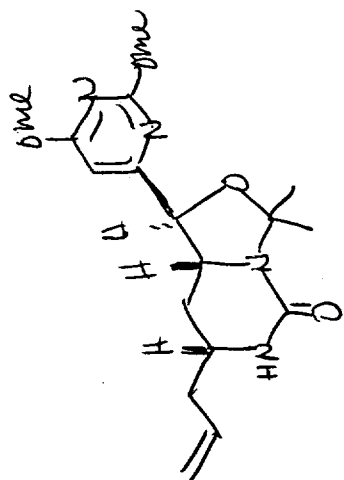
S 169.458

S 172.207



30

JFD-III-174



32

JFD-160 A

