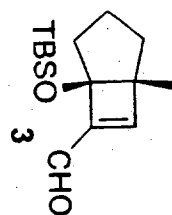
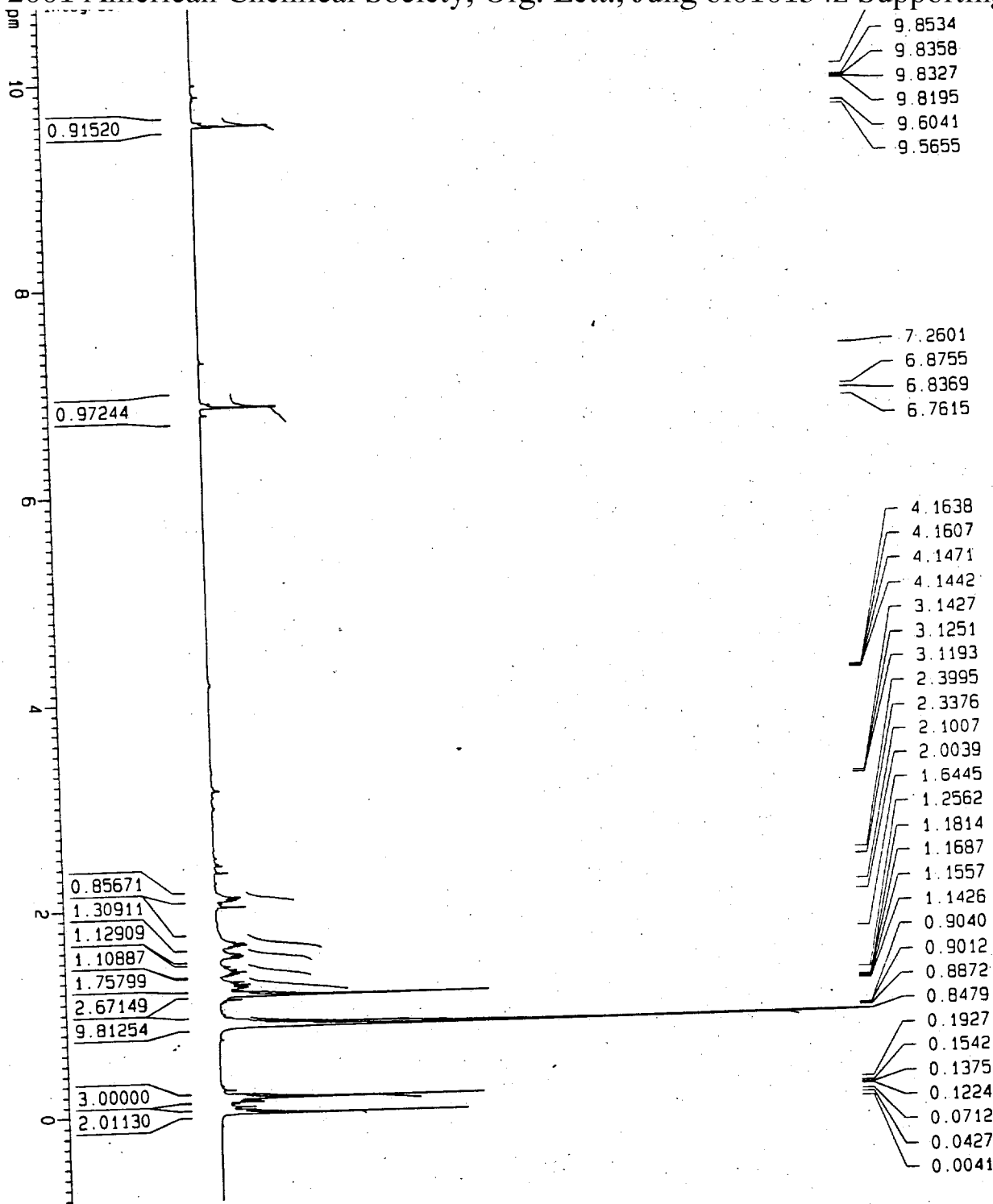


nm



Current Data Parameters
NAME PD-11-268
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date 20000507

Time 9.38

INSTRUM arx500

PROBHD 5 mm broadband

PULPROG zg30

TD 32768

SOLVENT CDCl3

NS 16

DS 0

SMH 10000.000 Hz

FIDRES 0.305176 Hz

AG 1.6384500 sec

RG 90

DW 50.000 use

DE 71.43 use

TE 300.0 K

D1 2.0000000 sec

P1 11.00 use

SFO1 500.1330008 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 32768

SF 500.1300229 MHz

WDW EM

SSB 0

LB 0.30 Hz

GB 0

PC 1.00

1D NMR plot parameters

CX 20.00 cm

F1P 10.866 ppm

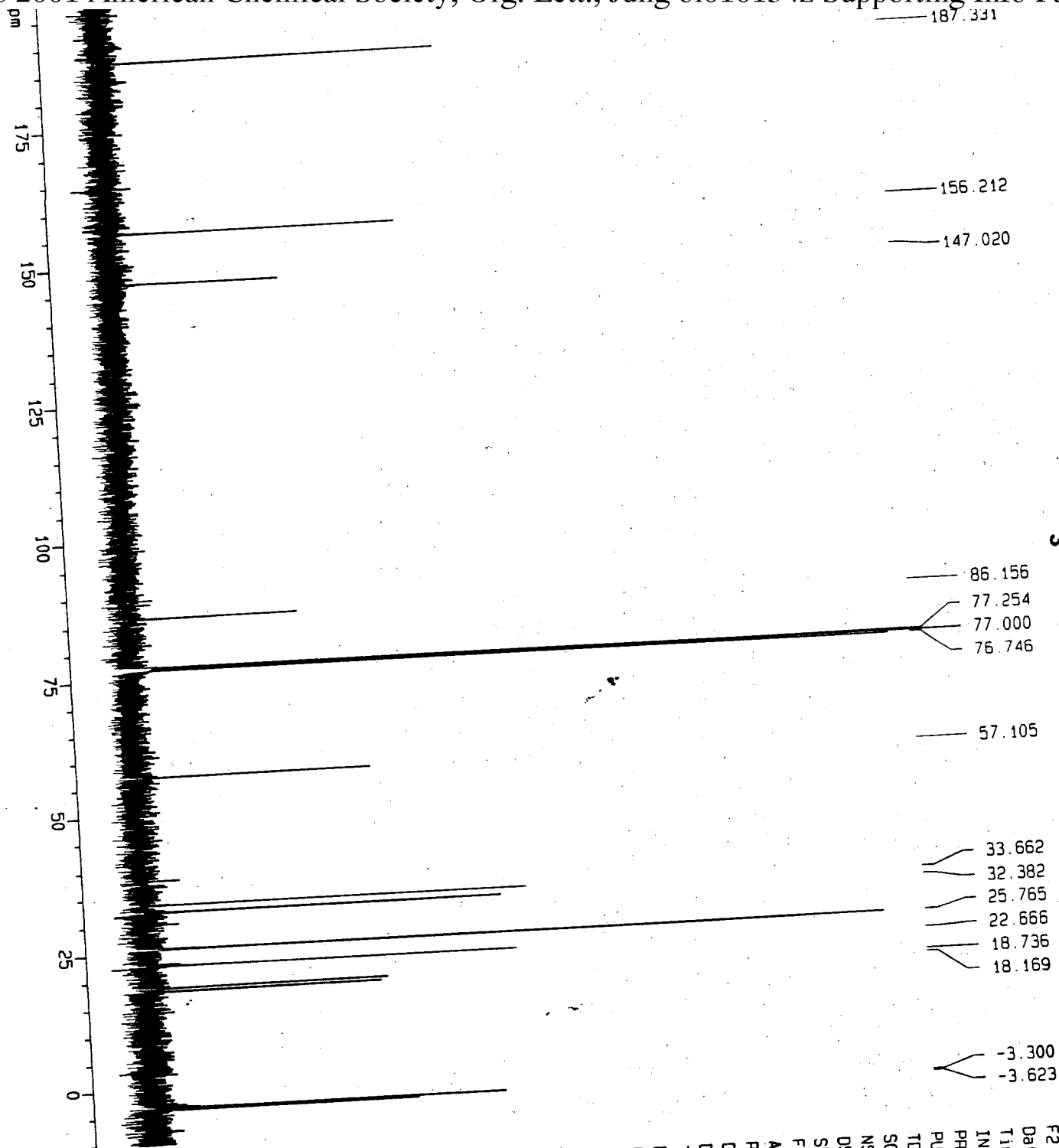
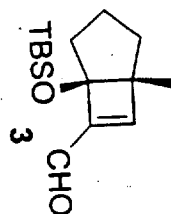
F1 5434.39 Hz

F2P -0.827 ppm

F2 -413.44 Hz

PPMCM 0.58463 ppm

HZCM 292.39133 Hz/

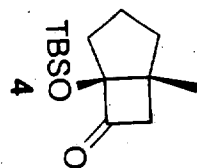
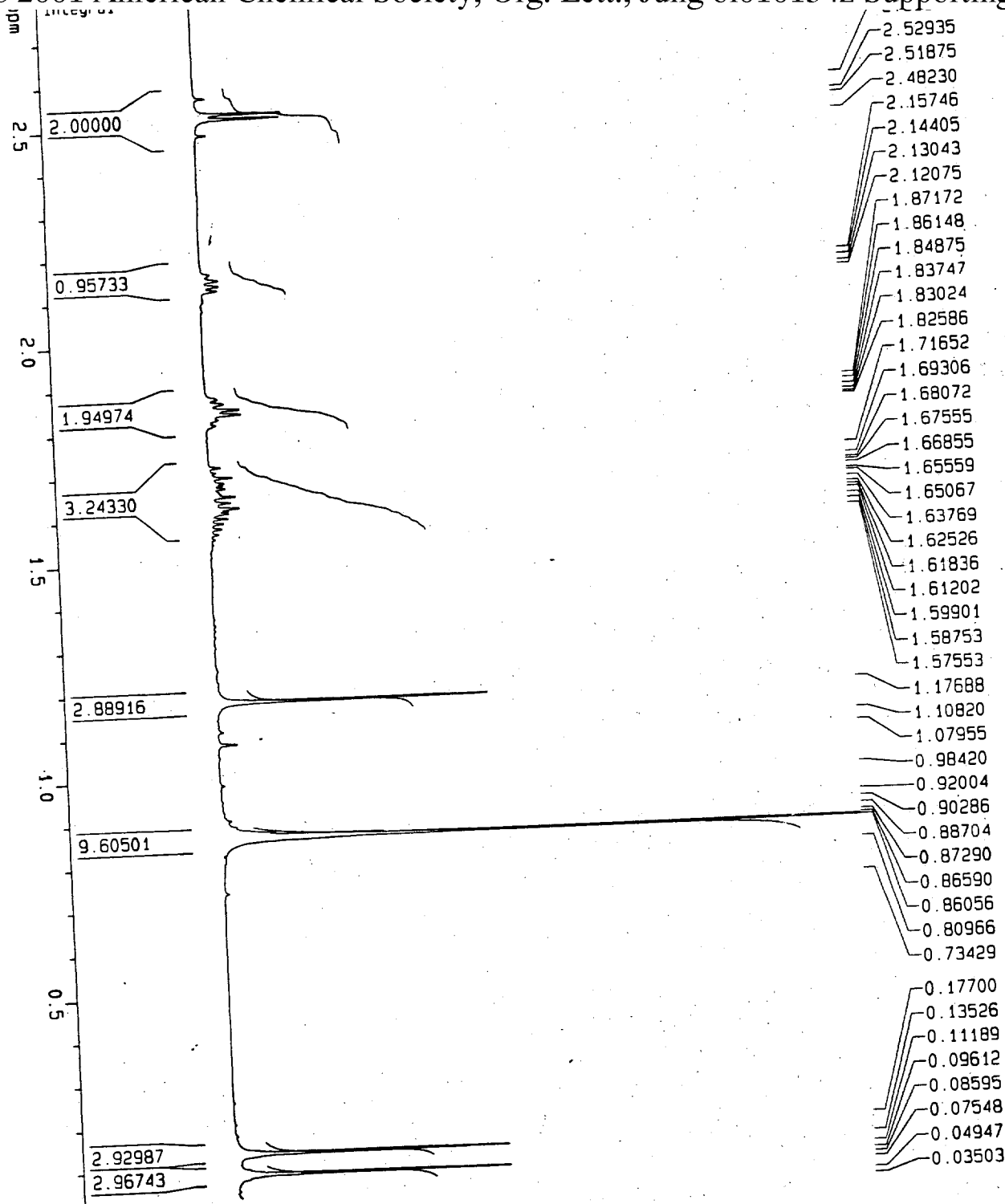


Current Data Parameters
NAME PD-11-265
EXPNO 2
PROCNO 1

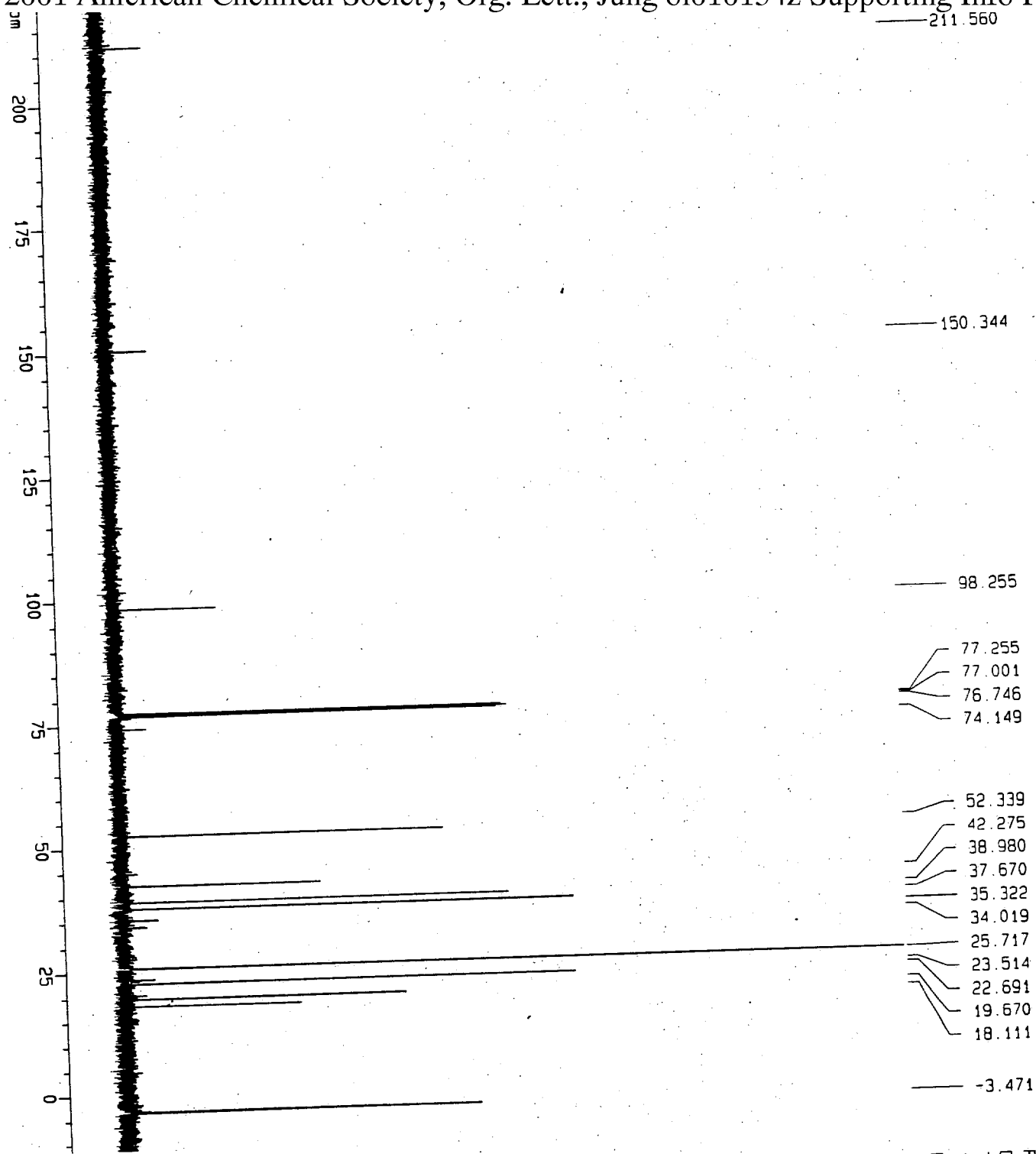
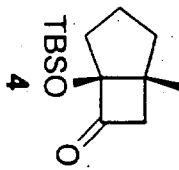
F2 - Acquisition Parameters
Date_ 20000531
Time 19.57
INSTRUM arx500
PROBHD 5 mm broadband
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 64
DS 0
SWH 33333.332 Hz
FIDRES 0.508626 Hz
AQ 0.9830900 sec
RG 45500
DM 15.000 usec
DE 21.43 usec
TE 300.0 K
D12 0.000200 sec
DL5 16.00 dB
CPOPRG waltz16
P31 100.00 usec
D1 4.0000000 sec
P1 7.25 usec
SF01 125.7728999 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters
SI 65536
SF 125.7577941 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
F1P 200.212 ppm
F1 25178.28 Hz
F2P -10.107 ppm
F2 -1270.99 Hz
PPMCM 10.51596 ppm/c
HZCM 1322.46375 Hz/cm



Current Data Parameters	
NAME	PD-11-293
EXPNO	1
PROCNO	1
F2 - Acquisition Parameters	
Date_	20000729
Time	17.18
INSTRUM	axx500
PROBHD	5 mm broadba
PULPROG	zg30
TD	32768
SOLVENT	CDCl3
NS	8
DS	0
SMH	2659.574 Hz
FIDRES	0.081164 Hz
AQ	6.1604338 sec
RG	128
DW	188.000 use
DE	235.00 use
TE	300.0 K
D1	2.0000000 sec
P1	11.00 use
SFO1	500.1307508 MHz
NUCLEUS	
1H	
F2 - Processing parameters	
SI	32768
SF	500.1300232 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00
1D NMR plot parameters	
CX	20.00 cm
F1P	2.807 ppm
F1	1404.02 Hz
F2P	0.033 ppm
F2	16.41 Hz
PPMCM	0.13872 ppm
HZCM	69.38021 Hz/



Current Data Parameters
NAME PD-11-293
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

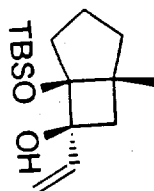
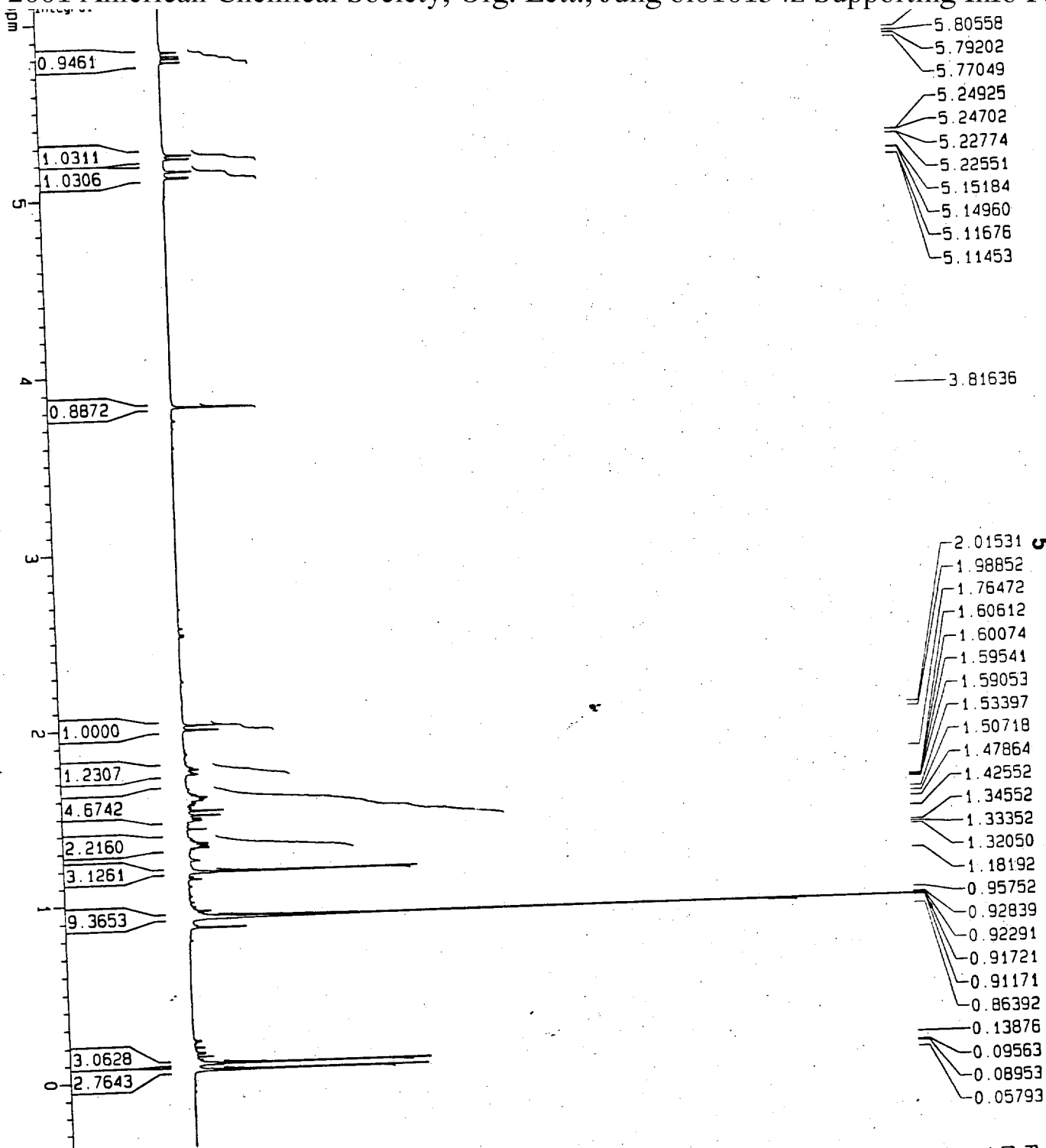
Date_ 20000729
Time 17.29
INSTRUM arx500
PROBHD 5 mm broadba
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 32
DS 0
SWH 3333.332 Hz
FIDRES 0.508626 Hz
AQ 0.983090 sec
RG 45500
DM 15.000 usec
DE 21.43 usec
TE 300.0 K
D12 0.0000200 sec
DL5 16.00 dB
CPOPRG waltz16
P31 100.00 usec
D1 3.0000000 sec
P1 7.25 usec
SF01 125.7728999 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters

SI 65536
SF 125.7577916 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 20.00 cm
F1P 222.129 ppm
F1 27934.44 Hz
F2P -11.239 ppm
F2 -1413.39 Hz
PPNMC 11.66839 ppm/c
HZCM 1467.39136 Hz/cm



Current Data Parameters
NAME PD-111-12
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

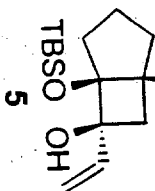
Date 20000823
Time 21.06
INSTRUM avance500
PROBHD 5 mm bb-z

PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 0
SMH 4960.317 Hz
FIDRES 0.151377 Hz
AQ 3.3030643 sec
RG 64
DM 100.800 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

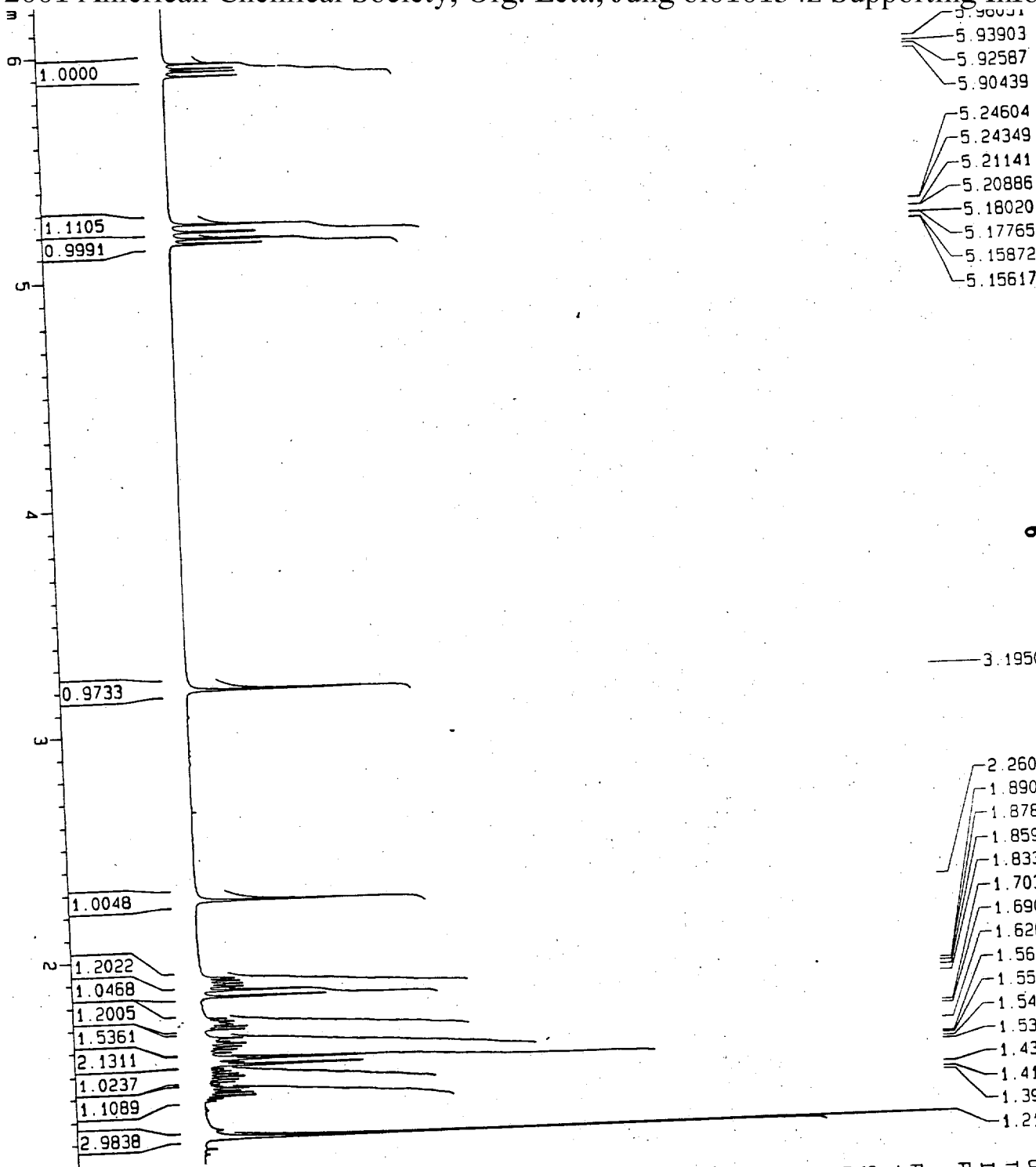
***** CHANNEL f1 *****
NUC1 1H
P1 12.50 usec
PL1 0.00 dB
SFO1 500.3319369 MHz

F2 - Processing parameters
SI 32768
SF 500.3300223 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 6.146 ppm
F1 3075.26 Hz
F2P -0.386 ppm
F2 -193.29 Hz
PPMCM 0.32664 ppm/c
HZCM 163.42767 Hz/cr



100



Current Data Parameters
 NAME PD-111-15
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

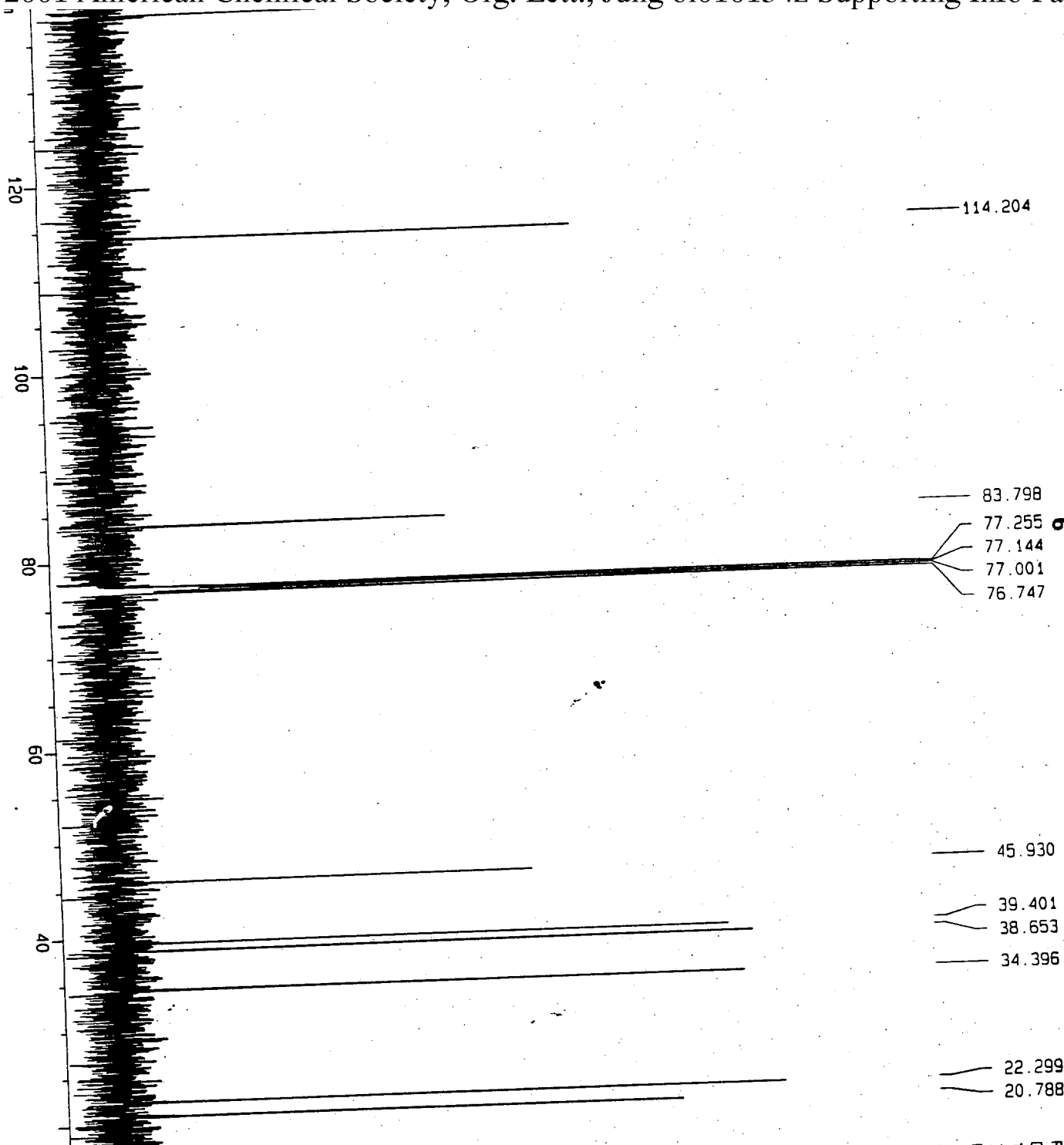
Date_ 20000826
 Time 18.10
 INSTRUM avance500
 PROBD 5 mm bb-Z

PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 0
 SMH 4222.973 Hz
 FIDRES 0.128875 Hz
 AQ 3.8797812 sec
 RG 128
 DM 118.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 0.00 dB
 SF01 500.3320638 MHz

F2 - Processing parameters
 SI 32768
 SF 500.3300221 MHz
 MDN EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 6.317 ppm
 F1 3160.36 Hz
 F2P 1.100 ppm
 F2 550.14 Hz
 PPMCM 0.26085 ppm/c
 HZCM 130.51131 Hz/cm



Current Data Parameters
 NAME PD-111-15
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20000826
 Time 18.15
 INSTRUM advance500
 PROBD 5 mm bd-Z

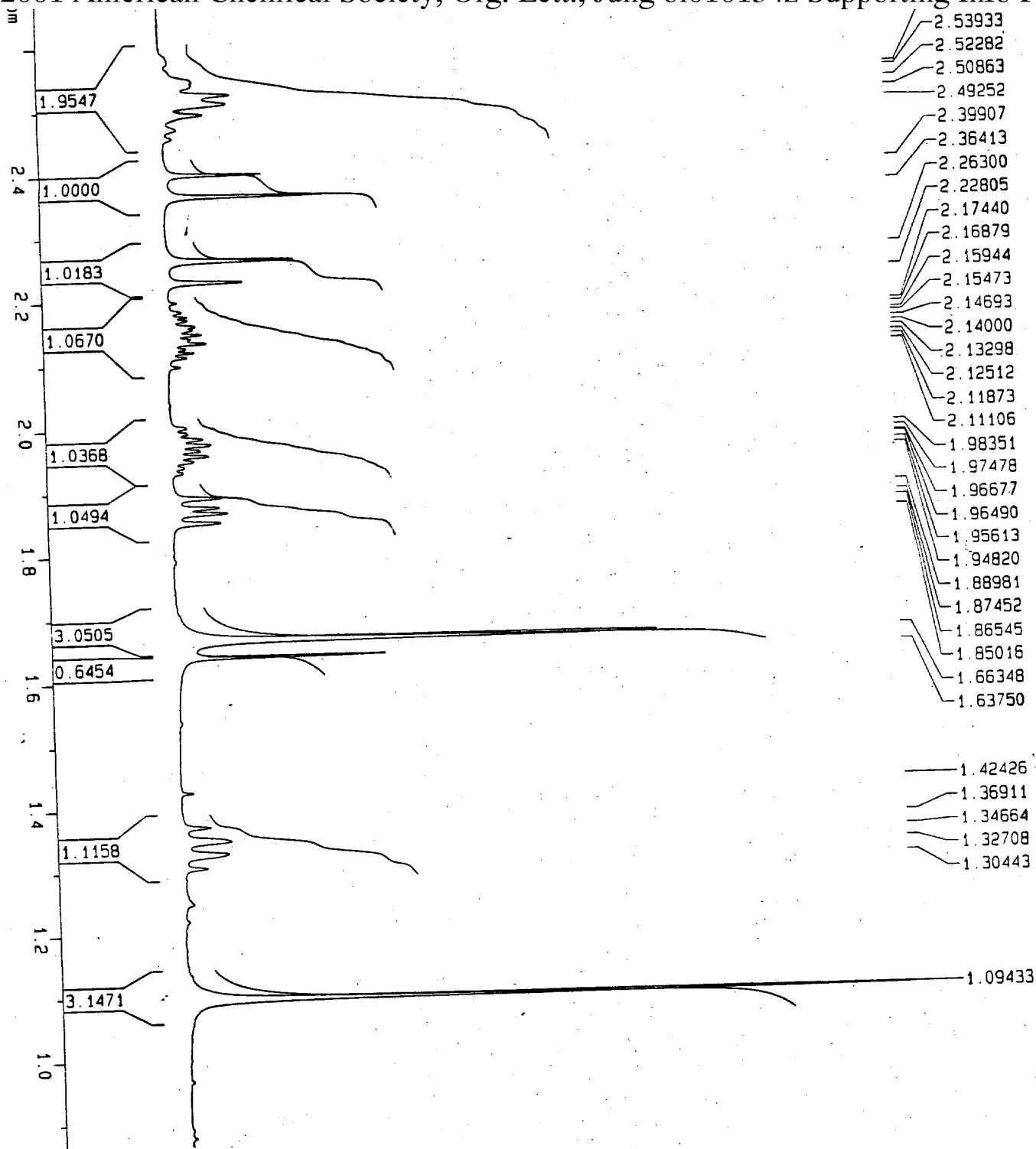
PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 64
 DS 0
 SMH 32679.738 Hz
 FIDRES 0.498653 Hz
 AQ 1.0027508 sec
 RG 4096
 DM 15.300 usec
 DE 6.00 usec
 TE 300.0 K
 D1 5.00000000 sec
 d11 0.03000000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 5.25 usec
 PL1 0.00 dB
 SFO1 125.8231939 MHz

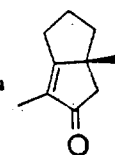
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 105.00 usec
 PL2 120.00 dB
 PL12 19.00 dB
 SFO2 500.3320013 MHz

F2 - Processing parameters
 SI 65536
 SF 125.808048 MHz
 MCM EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 F1P 141.825 ppm
 F1 17842.71 Hz
 F2P 17.796 ppm
 F2 2238.90 Hz
 PPMCM 6.20143 ppm/cm
 HZCM 780.19049 Hz/cm



- ppm
- 2.53933
 - 2.52282
 - 2.50863
 - 2.49252
 - 2.39907
 - 2.36413
 - 2.26300
 - 2.22805
 - 2.17440
 - 2.16879
 - 2.15944
 - 2.15473
 - 2.14693
 - 2.14000
 - 2.13298
 - 2.12512
 - 2.11873
 - 2.11106
 - 1.98351
 - 1.97478
 - 1.96677
 - 1.96490
 - 1.95613
 - 1.94820
 - 1.88981
 - 1.87452
 - 1.86545
 - 1.85016
 - 1.66348
 - 1.63750
 - 1.42426
 - 1.36911
 - 1.34664
 - 1.32708
 - 1.30443
 - 1.09433



Current Data Parameters
 NAME PD-111-21
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

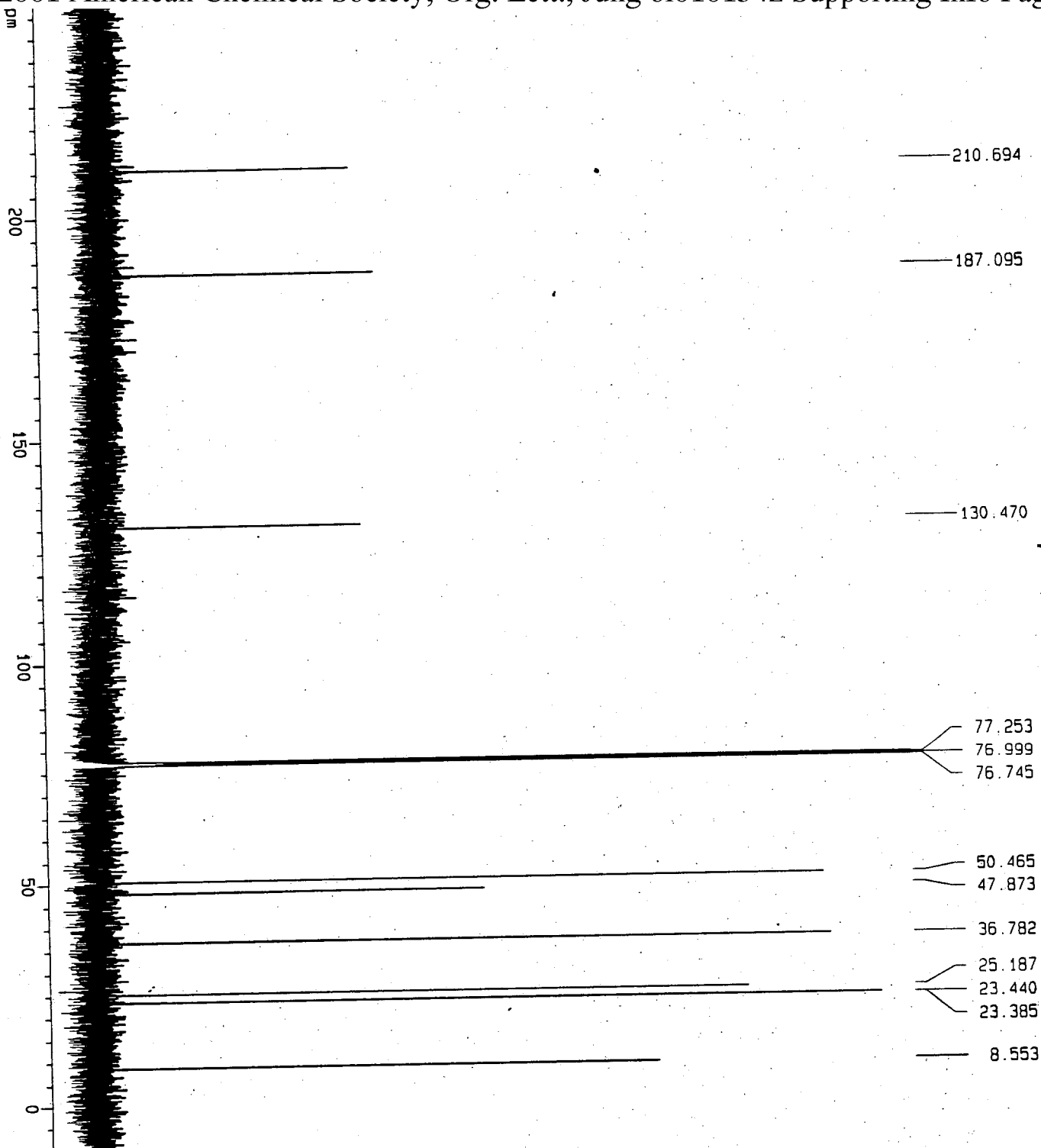
Date 20000830
 Time 11.09
 INSTRUM avance500
 PROBD 5 mm bb-z

PULPROG zg30
 TO 32768
 SOLVENT CDCl3
 NS 16
 DS 0
 SMH 5122.951 Hz
 FIDRES 0.156340 Hz
 AQ 3.1982069 sec
 RG 128
 DM 97.600 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 12.50 usec
 PL1 0.00 dB
 SFO1 500.3320196 MHz

F2 - Processing parameters
 SI 32768
 SF 500.3300221 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 2.693 ppm
 F1 1347.28 Hz
 F2P 0.862 ppm
 F2 431.26 Hz
 PPMCM 0.09154 ppm/c
 HZCM 45.80122 Hz/cm



Current Data Parameters
 NAME PO-III-21
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20000830
 Time 11.14

INSTRUM avance500
 PROBHD 5 mm db-2

PULPROG zgpg30
 TD 65536

SOLVENT CDCl3

NS 354

DS 0

SWH 32579.738 Hz

FIDRES 0.498653 Hz

AQ 1.0027508 sec

RG 2048

DW 15.300 usec

DE 6.00 usec

TE 300.0 K

D1 5.00000000 sec

d11 0.03000000 sec

===== CHANNEL f1 =====

NUC1

13C

P1

5.25 usec

PL1

0.00 dB

SFO1

125.8231939 MHz

===== CHANNEL f2 =====

CPDPRG2

waltz16

NUC2

1H

PCPD2

105.00 usec

PL2

120.00 dB

PL12

19.00 dB

SFO2

500.3320013 MHz

F2 - Processing Parameters

SI

65536

SF

125.808056 MHz

MDW

EM

SSB

0

LB

1.00 Hz

GB

0

PC

1.40

1D NMR plot parameters

CX

20.00 cm

F1P

249.879 ppm

F1

31436.84 Hz

F2P

-9.879 ppm

F2

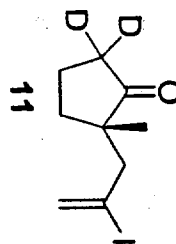
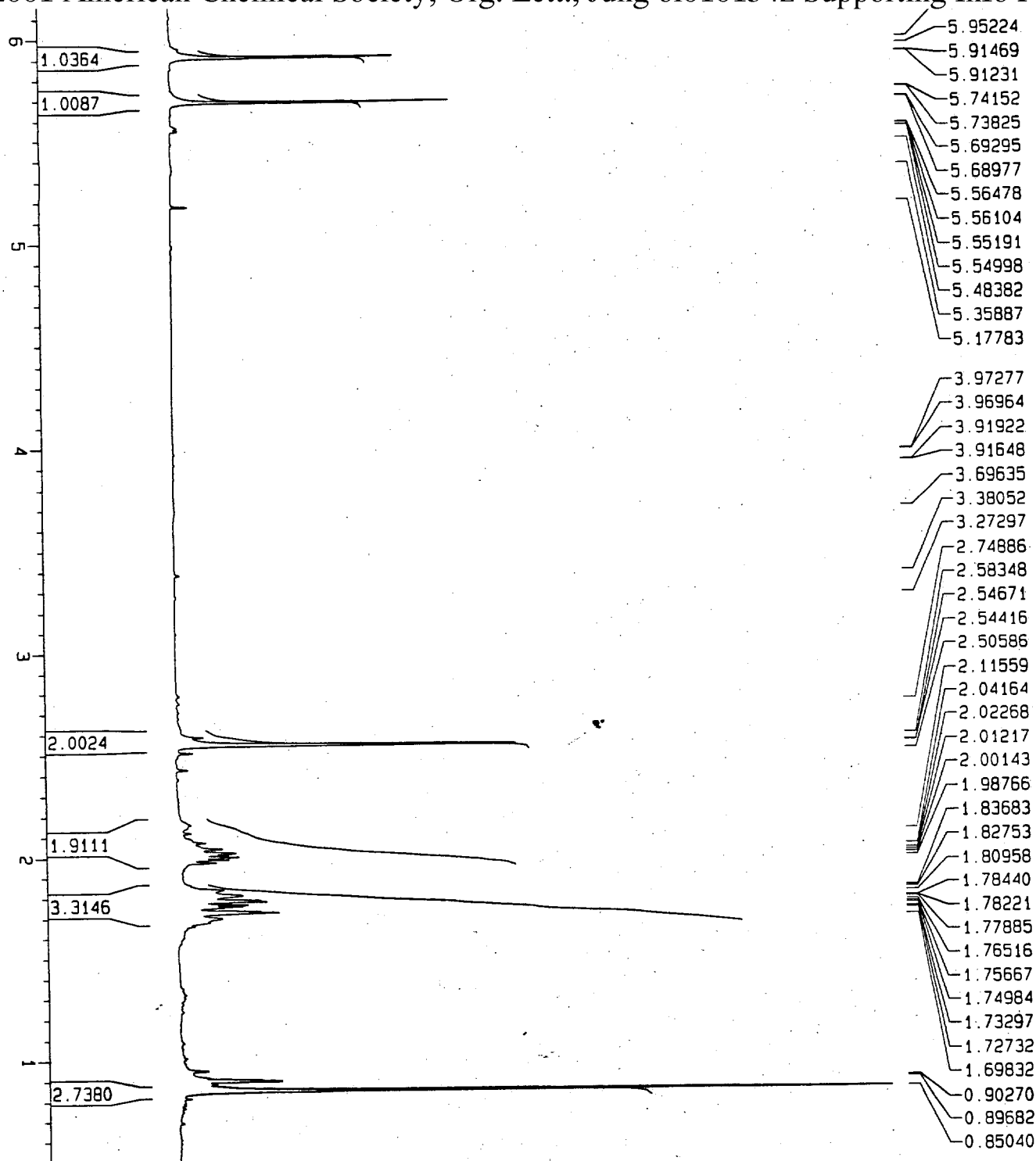
-1242.90 Hz

PPMCM

12.98793 ppm/cm

HZCM

1633.98682 Hz/cm



Current Data Parameters
NAME PD-11I-56Crude
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001018
Time 14.03

INSTRUM brx400
PROBHD 5 mm QNP 1H
PULPROG zg30

TD 65536
SOLVENT CDCl3
NS 16

DS 0
SWH 3401.361 Hz
FIDRES 0.051901 Hz
AQ 9.6338425 sec

RG 45
DE 147.000 usec
TE 183.75 usec

D1 2.0000000 sec
P1 7.50 usec
SFO1 400.1315418 MHz

NUCLEUS 1H

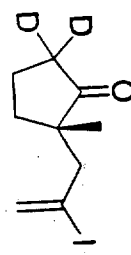
F2 - Processing parameters
SI 65536
SF 400.1300162 MHz
WDW EM

SSB 0
LB 0.30 Hz
GB 0

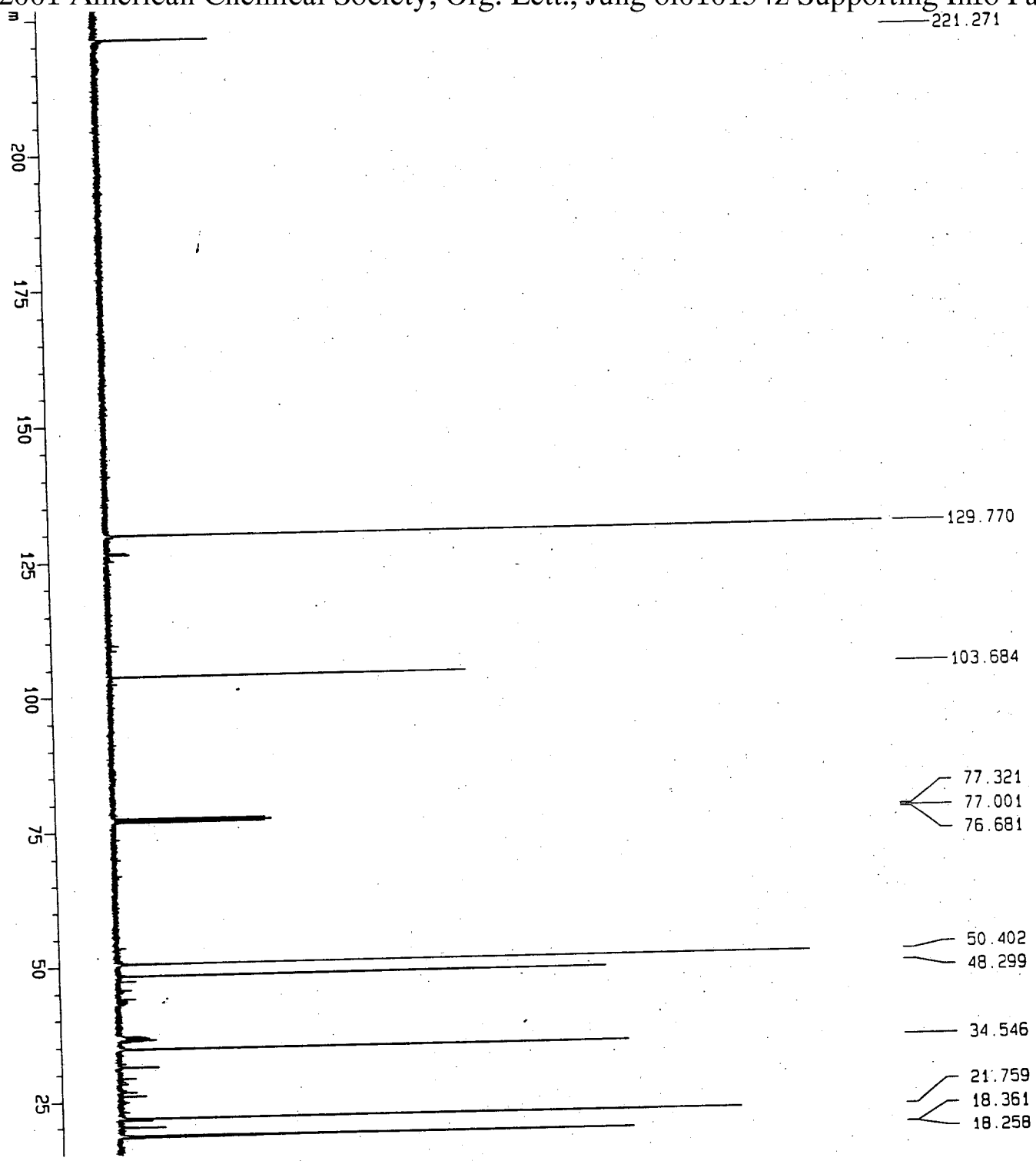
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 6.308 ppm
F1 2524.21 Hz

F2P 0.501 ppm
F2 200.33 Hz
PPMCM 0.29039 ppm/cm
HZCM 116.19438 Hz/cm



11



Current Data Parameters
NAME PD-III-56Crude
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

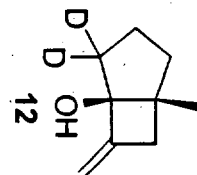
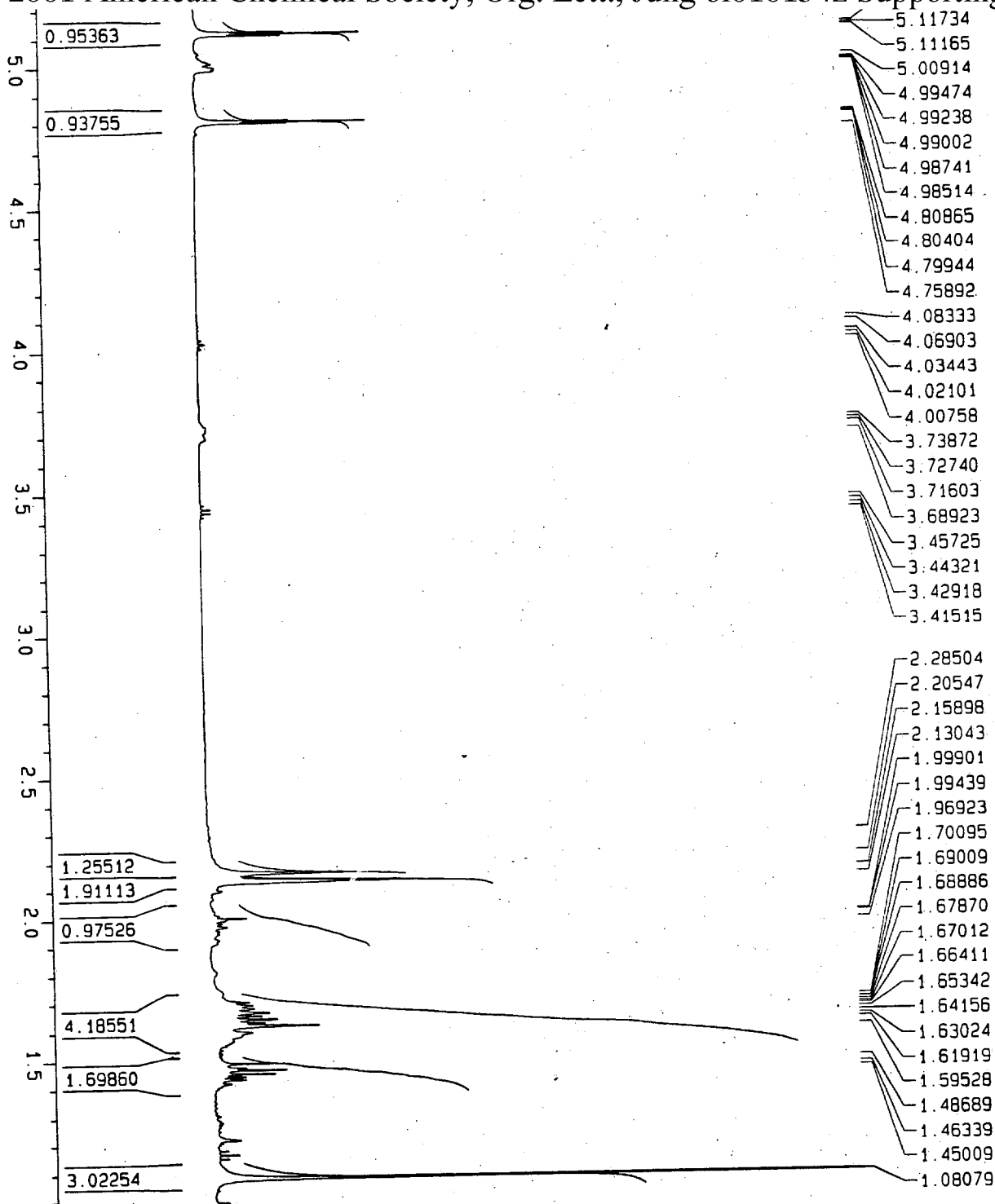
Date_ 20001018
Time 14.08
INSTRUM arx400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 64
DS 0
SWH 27777.777 Hz
FIDRES 0.423855 Hz
AQ 1.1796980 sec
RG 32768
DM 18.000 usec
DE 25.71 usec
TE 300.0 K
D12 0.000200 sec
D15 23.50 dB
CPDPRG waltz16
P31 100.00 usec
D1 4.0000000 sec
P1 6.25 usec
SF01 100.624845 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters

SI 65536
SF 100.6128041 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters

CX 20.00 cm
F1P 230.898 ppm
F1 23231.25 Hz
F2P 15.148 ppm
F2 1524.11 Hz
PPMCM 10.78746 ppm/c
HZCM 1085.35693 Hz/cr



Current Data Parameters
NAME PD-III-63
EXPNO 1
PROCNO 1

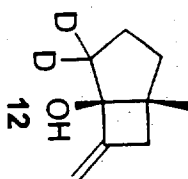
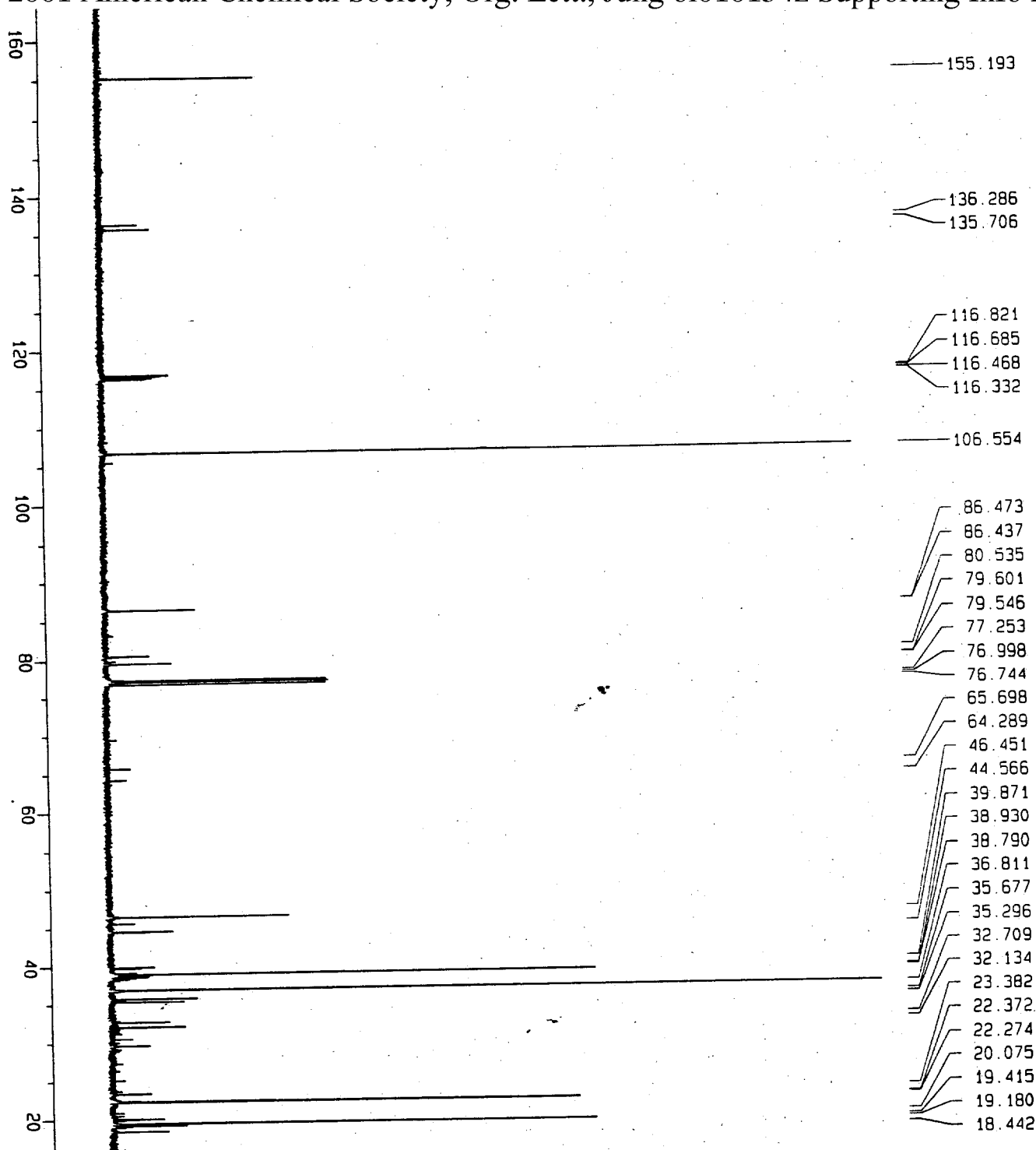
F2 - Acquisition Parameters
Date_ 20001019
Time 15.09

INSTRUM arc500
PROBHD 5 mm broadba
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 16
DS 0

SWH 5000.000 Hz
FIDRES 0.152588 Hz
AQ 3.2768500 sec
RG 64
DM 100.000 use
DE 125.00 use
TE 300.0 K
D1 2.0000000 sec
P1 11.00 use
SF01 500.1318932 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 32768
SF 500.1300234 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 5.331 ppm
F1 2666.19 Hz
F2P 0.986 ppm
F2 493.19 Hz
PPMCH 0.21724 ppm
HZCM 108.64979 Hz/



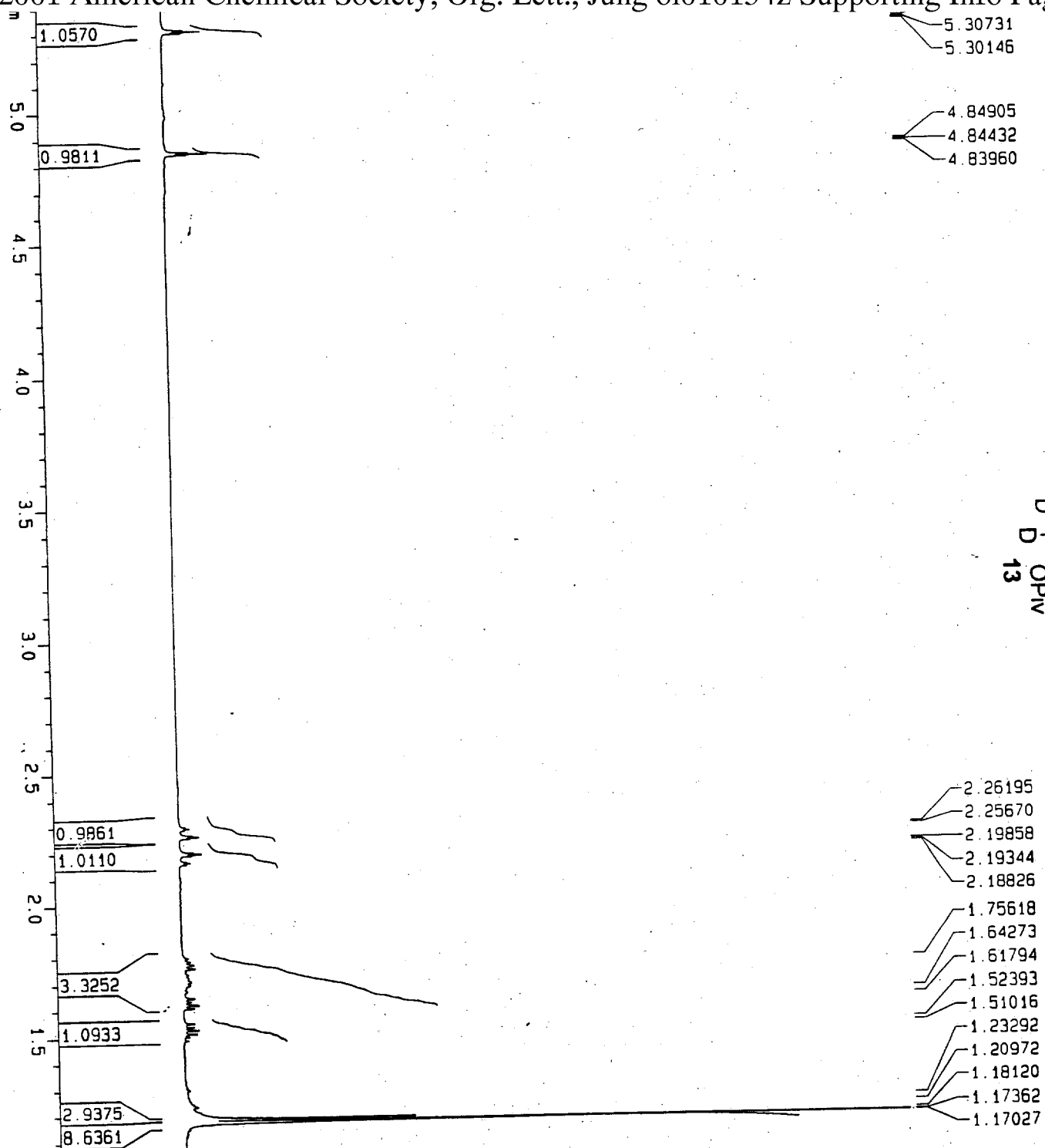
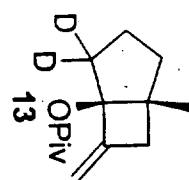
Current Data Parameters
 NAME PD-III-63
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20001019
 Time 15.14
 INSTRUM arx500
 PROBHD 5 mm broadband
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 167
 DS 0
 SMH 33333.332 Hz
 FIDRES 0.508626 Hz
 AQ 0.983090 sec
 RG 45500
 DM 15.000 usec
 DE 21.43 usec
 TE 300.0 K
 D12 0.0000200 sec
 DL5 16.00 dB
 CPDPRG Waltz16
 P31 100.00 usec
 D1 2.0000000 sec
 P1 7.50 usec
 SF01 125.772899 MHz
 NUCLEUS 13C
 D11 0.0300000 sec

F2 - Processing parameters
 SI 65536
 SF 125.7578023 MHz
 MDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 F1P 169.263 ppm
 F1 21286.14 Hz
 F2P 16.043 ppm
 F2 2017.51 Hz
 PPMCM 7.66101 ppm/c
 HZCM 963.43170 Hz/cm



Current Data Parameters
 NAME PO-111-80
 EXPNO 1
 PROCNO 1

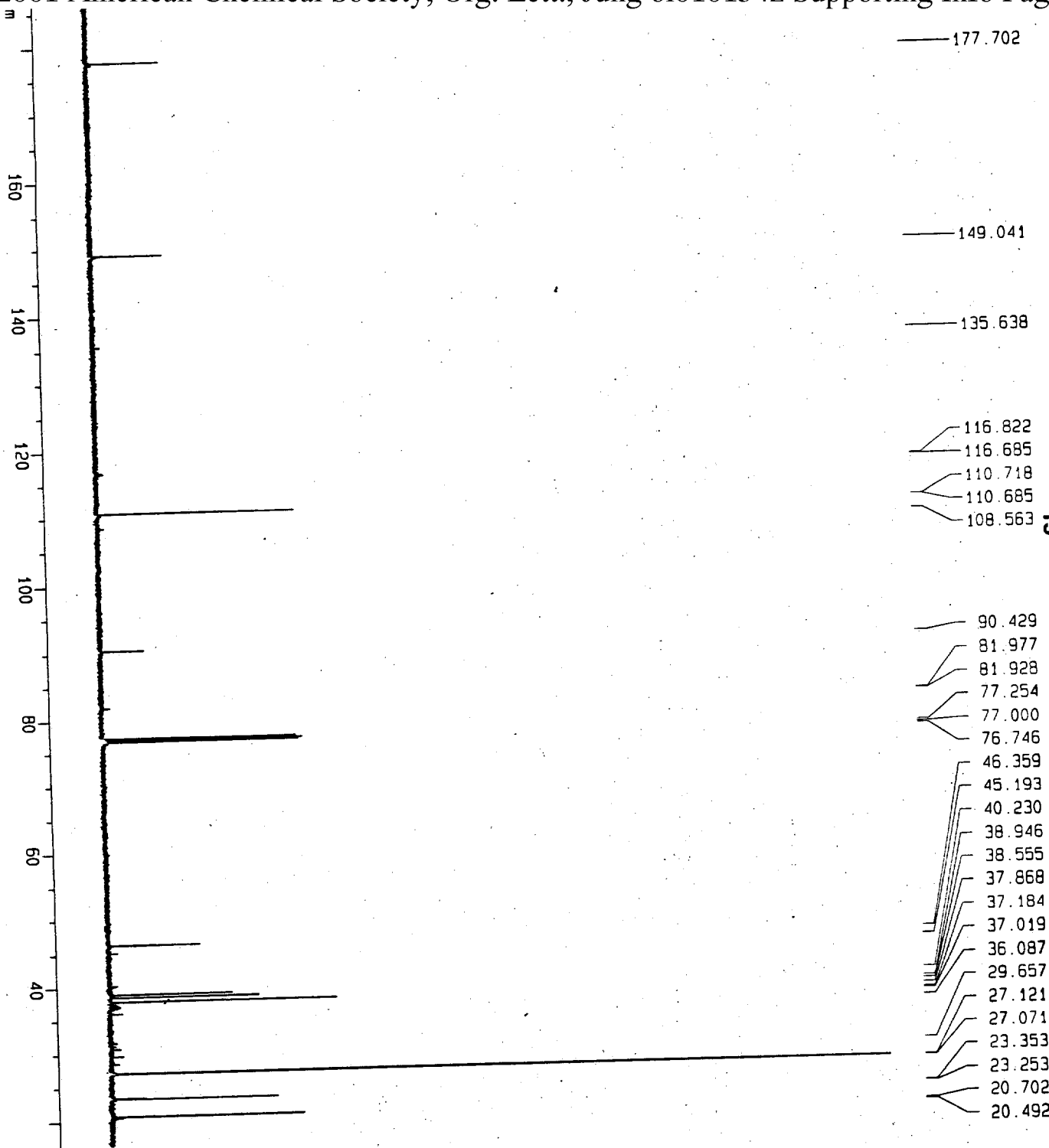
F2 - Acquisition Parameters
 Date_ 20001114
 Time 12.11
 INSTRUM avance500
 PROBHD 5 mm db-z

PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 0
 SMH 4496.403 Hz
 FIDRES 0.137219 Hz
 AQ 3.6438515 sec
 RG 32
 DM 111.200 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 0.00 dB
 SF01 500.3321411 MHz

F2 - Processing parameters
 SI 32768
 SF 500.3300217 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 5.486 ppm
 F1 2744.63 Hz
 F2P 1.072 ppm
 F2 536.14 Hz
 PPMCM 0.22070 ppm/c
 HZCM 110.42491 Hz/cm



Current Data Parameters
NAME PD-111-80
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001114
Time 12.17
INSTRUM avance500
PROBHD 5 mm bb-2

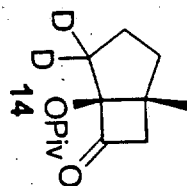
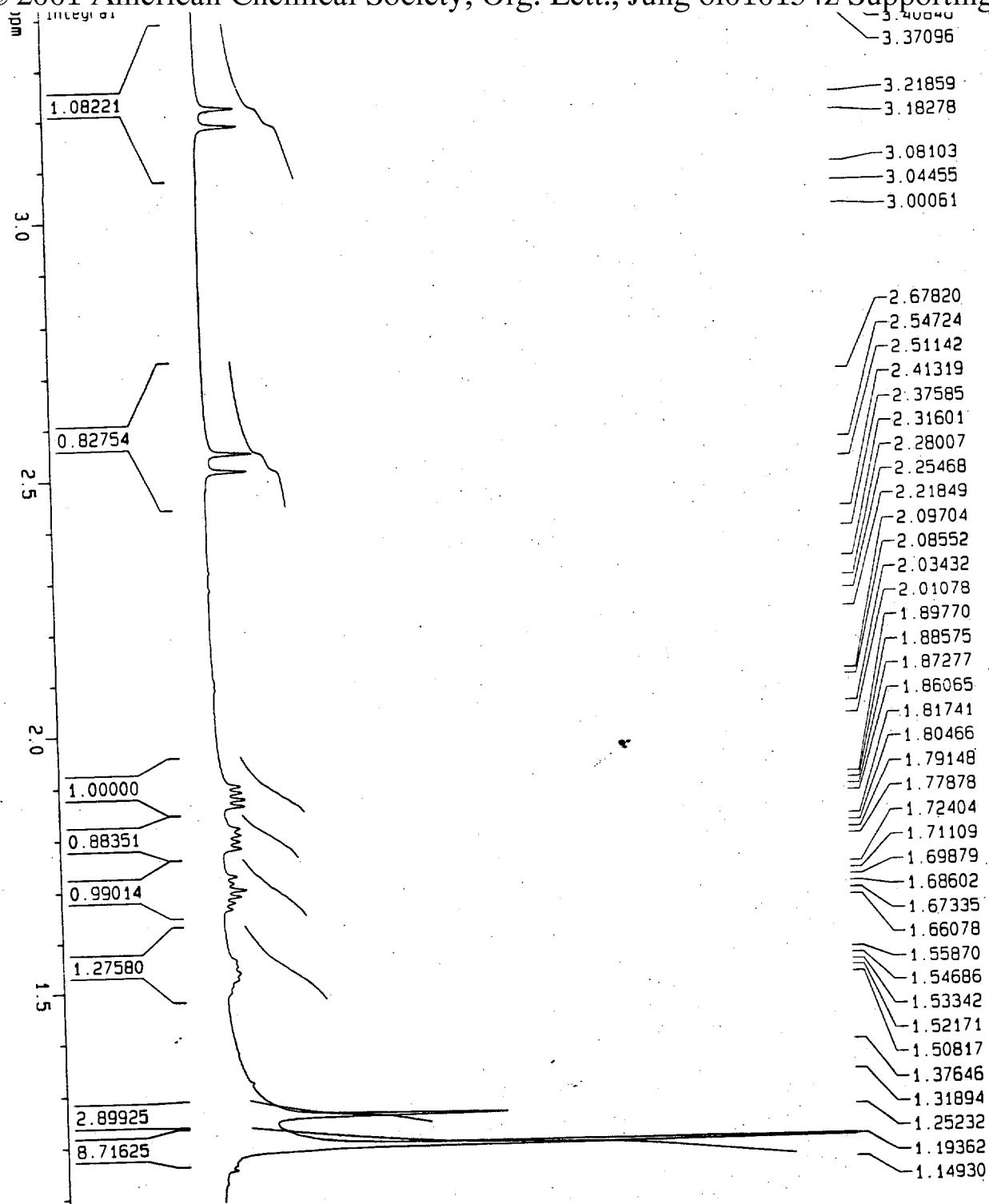
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 65
DS 0
SMH 32679.738 HZ
FIDRES 0.498653 HZ
AQ 1.0027508 sec
RG 7298.2
DM 15.300 usec
DE 6.00 usec
TE 300.0 K
D1 5.00000000 sec
d11 0.03000000 sec

***** CHANNEL f1 *****
NUC1 13C
P1 5.25 usec
PL1 0.00 dB
SFO1 125.8231939 MHz

***** CHANNEL f2 *****
CPOPRG2 waltz16
NUC2 1H
PCPD2 105.00 usec
PL2 120.00 dB
PL12 19.00 dB
SFO2 500.3320013 MHz

F2 - Processing parameters
SI 65536
SF 125.8080858 MHz
WDW EM
SSB 0
LB 1.00 HZ
GB -0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
F1P 189.185 ppm
F1 23801.04 HZ
F2P 16.300 ppm
F2 2050.61 HZ
PPMCM 8.64429 ppm/cm
HZCM 1087.52112 HZ/cm



Current Data Parameters
 NAME PD-111-83
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

Date 20001115

Time 13.30

INSTRUM arx500

PROBHD 5 mm broadband

PULPROG zg30

TD 32768

SOLVENT CDCl3

NS 16

DS 0

SMH 464.286 Hz

FIDRES 0.136239 Hz

AO 3.6700661 sec

RG 128

DM 112.000 use

DE 140.00 use

TE 300.0 K

D1 2.0000000 sec

P1 11.00 use

SFO1 500.131987 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 32768

SF 500.1300228 MHz

MDM EM

SSB 0

LB 0.30 Hz

GB 0

PC 1.00

1D NMR plot parameters

CD 20.00 cm

F1P 3.433 ppm

F1 1716.91 Hz

F2P 1.088 ppm

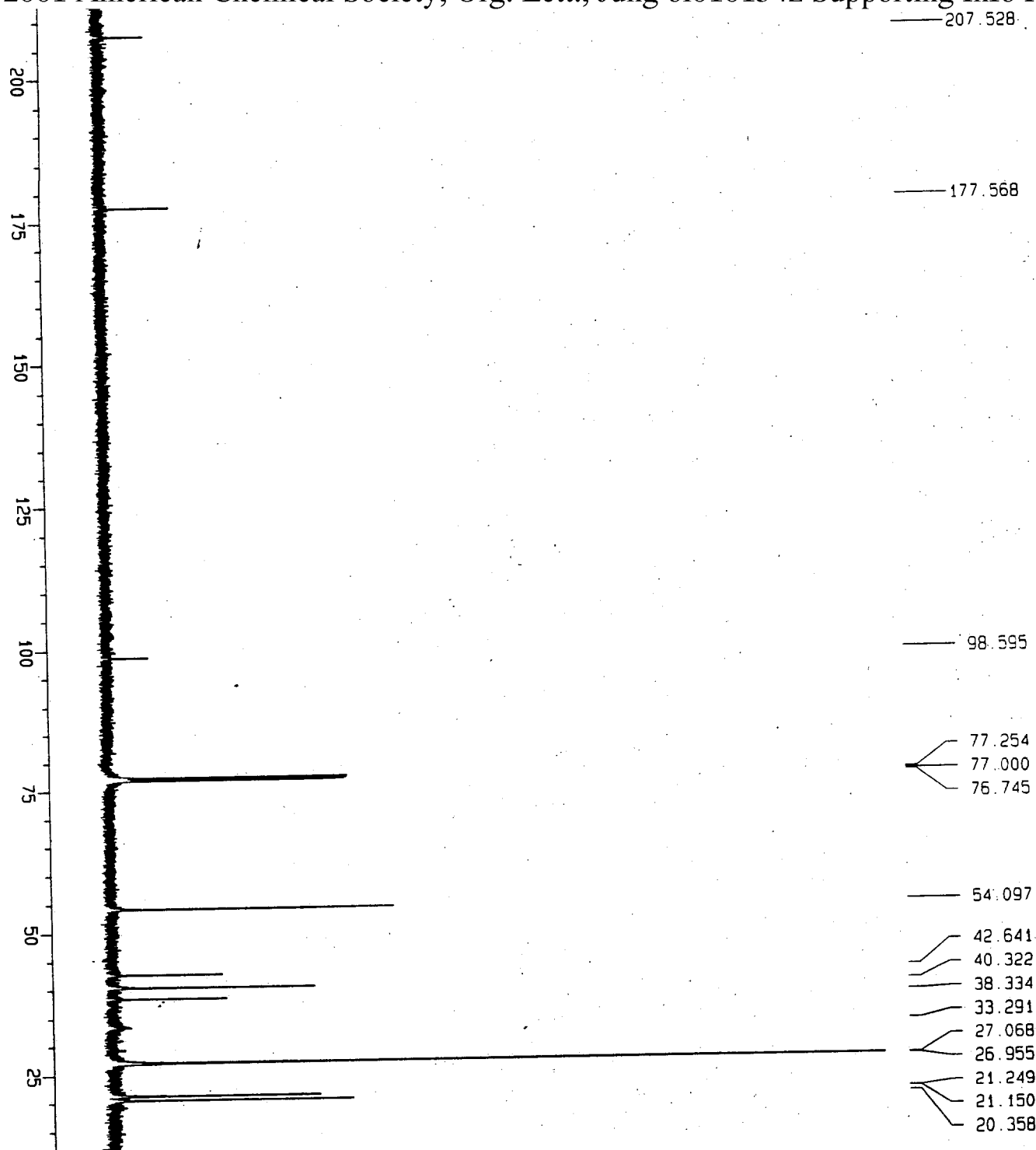
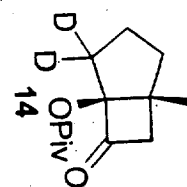
F2 544.33 Hz

PPMCM 0.11723 ppm

HZCM 58.62907 Hz/

ppm

207.528



Current Data Parameters
NAME PD-III-83
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20001115

Time 13.35

INSTRUM arx500

PROBHD 5 mm broadba

PULPROG zgdc30

TD 65536

SOLVENT CDCl3

NS 128

DS 0

SWH 33333.332 Hz

FIDRES 0.508626 Hz

AQ 0.9830900 sec

RG 45500

DM 15.000 usec

DE 21.43 usec

TE 300.0 K

D12 0.000200 sec

DL5 16.00 dB

CPDPRG waitz16

P31 100.00 usec

D1 2.0000000 sec

P1 7.25 usec

SF01 125.7728999 MHz

NUCLEUS 13C

D11 0.0300000 sec

F2 - Processing parameters

SI 65536

SF 125.7578007 MHz

MDW EM

SSB 0

LB 1.00 Hz

GB 0

PC 1.40

1D NMR plot parameters

CX 20.00 cm

F1P 218.205 ppm

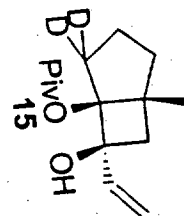
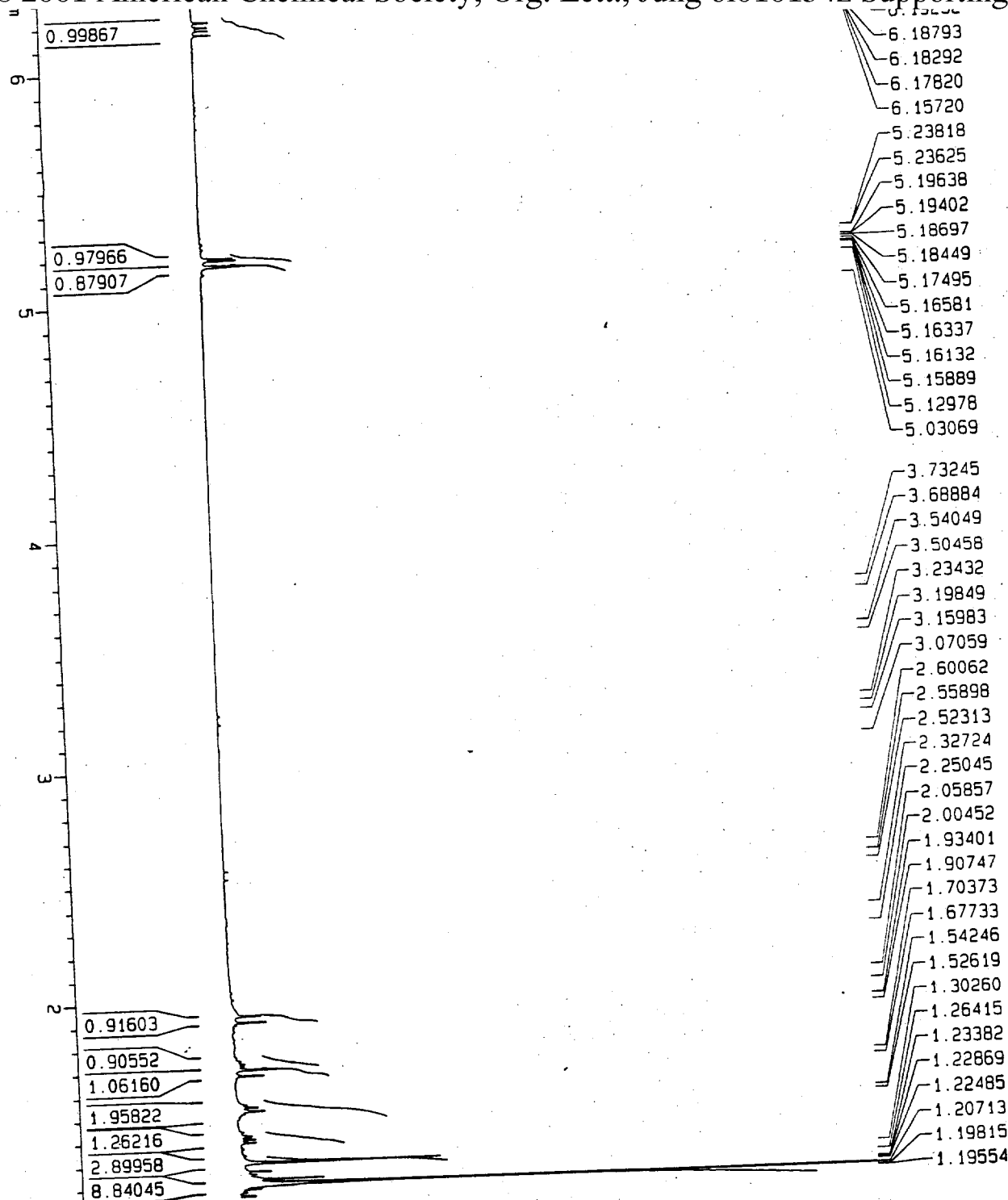
F1 27440.98 Hz

F2P 11.581 ppm

F2 1456.45 Hz

PPMCM 10.33118 ppm/c

HZCM 1299.22644 Hz/cm



Current Data Parameters
NAME PO-111-84
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date 20001115

Time 17.39

INSTRUM arx500

PROBHD 5 mm broadba

PULPROG zg30

TD 32768

SOLVENT CDCl3

NS 16

DS 0

SMH 4761.905 Hz

FIDRES 0.145322 Hz

AQ 3.406900 sec

RG 128

DM 105.000 use

DE 131.25 use

TE 300.0 K

D1 2.0000000 sec

P1 11.00 use

SFO1 500.1318510 MHz

NUCLEUS 1H

F2 - Processing parameters

SI 32768

SF 500.1300232 MHz

MDM EM

SSB 0

LB 0.30 Hz

GB 0

PC 1.00

1D NMR plot parameters

CX 20.00 cm

F1P 6.407 ppm

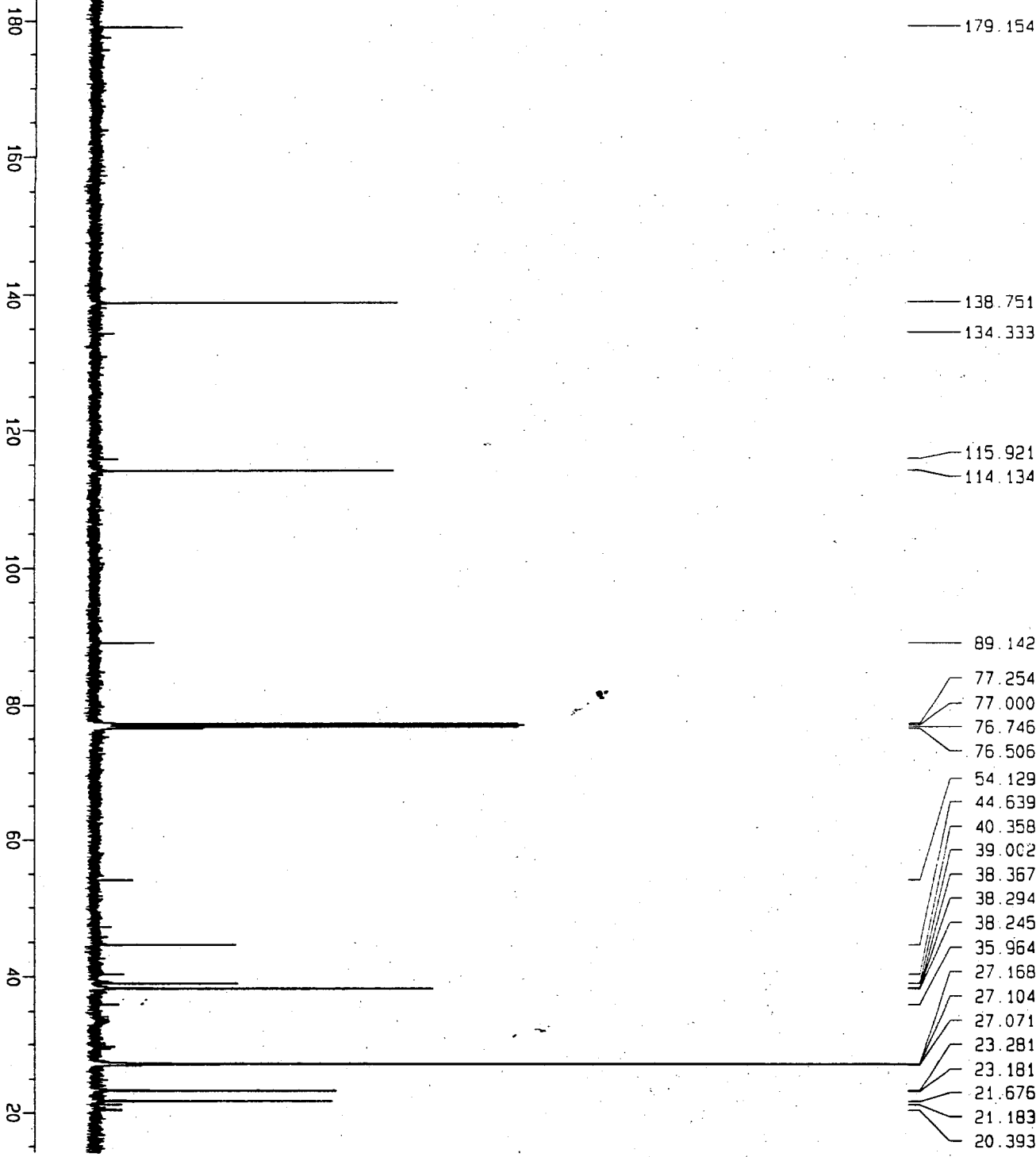
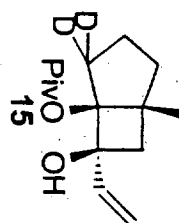
F1 3204.10 Hz

F2P 1.154 ppm

F2 577.02 Hz

PPMCM 0.26264 ppm

HZCM 131.35422 Hz/



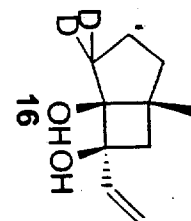
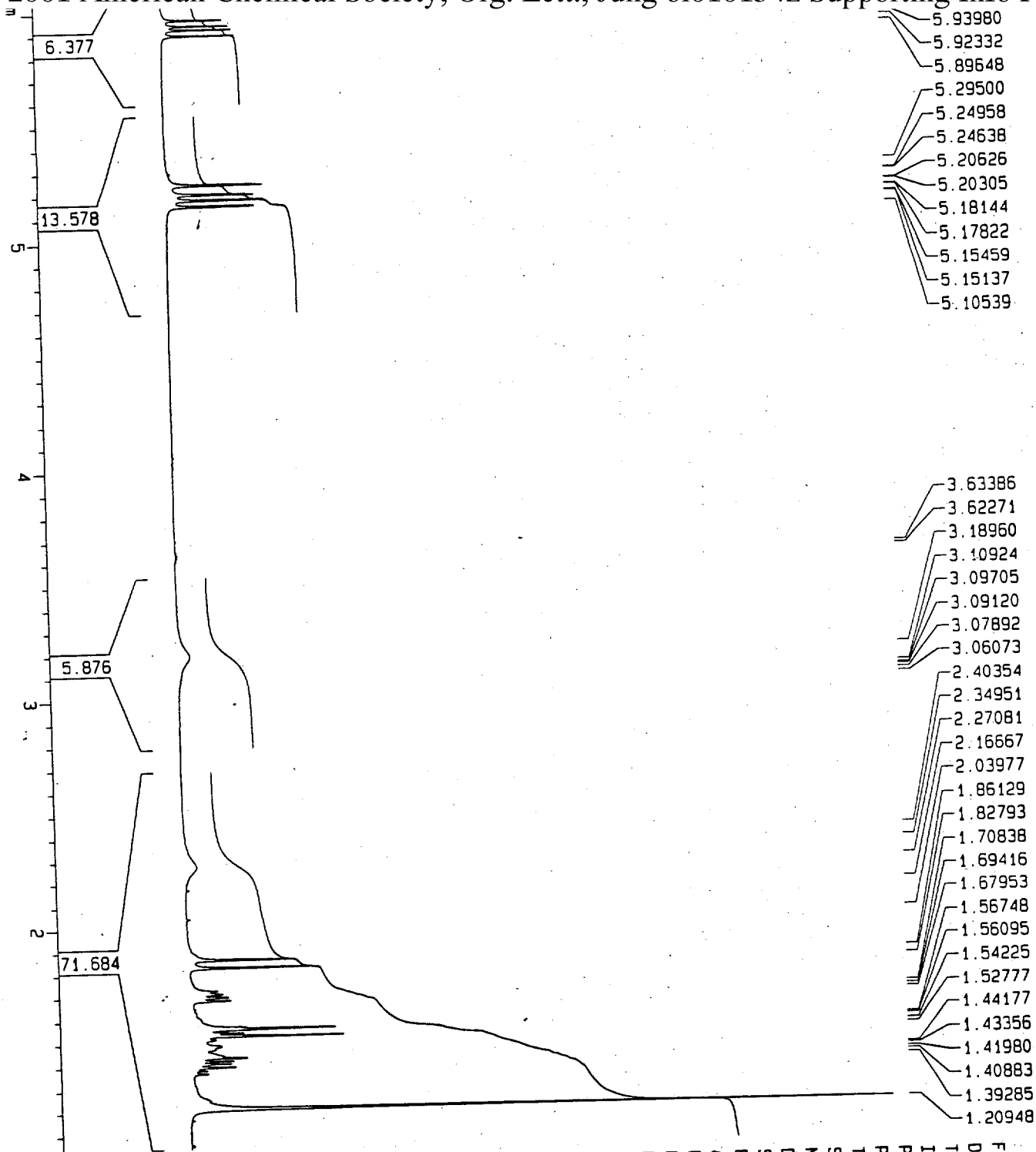
Current Data Parameters
NAME PD-III-84
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20001115
Time 17.46
INSTRUM arx500
PROBHD 5 mm broadband
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 128
DS 0
SWH 33333.332 Hz
FIDRES 0.508626 Hz
AQ 0.9830900 sec
RG 45500
DM 15.000 usec
DE 21.43 usec
TE 300.0 K
D12 0.0000200 sec
DL5 16.00 dB
CPDPRG Waltz16
P31 100.00 usec
D1 2.0000000 sec
P1 7.25 usec
SF01 125.7728999 MHz
NUCLEUS 13C
D11 0.0300000 sec

F2 - Processing parameters
SI 65536
SF 125.7577982 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

1D NMR plot parameters
CX 20.00 cm
F1P 190.545 ppm
F1 23962.51 Hz
F2P 14.118 ppm
F2 1775.45 Hz
PPMCM 8.82135 ppm/c
HZCM 1109.35303 Hz/cm



Current Data Parameters
NAME PD-111-85
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001117
Time 13.01

INSTRUM arx400
PROBHD 5 mm QNP 1H
PULPROG zg30

TD 65536
SOLVENT CDCl3
NS 16
DS 0

SMH 3355.705 Hz
FIDRES 0.051204 Hz
AQ 9.7649136 sec

RG 715
DM 149.000 usec
DE 186.25 usec

TE 300.0 K
D1 2.0000000 sec
P1 7.50 usec

SFO1 400.1316397 MHz
NUCLEUS 1H

F2 - Processing parameters
SI 65536
SF 400.1300173 MHz

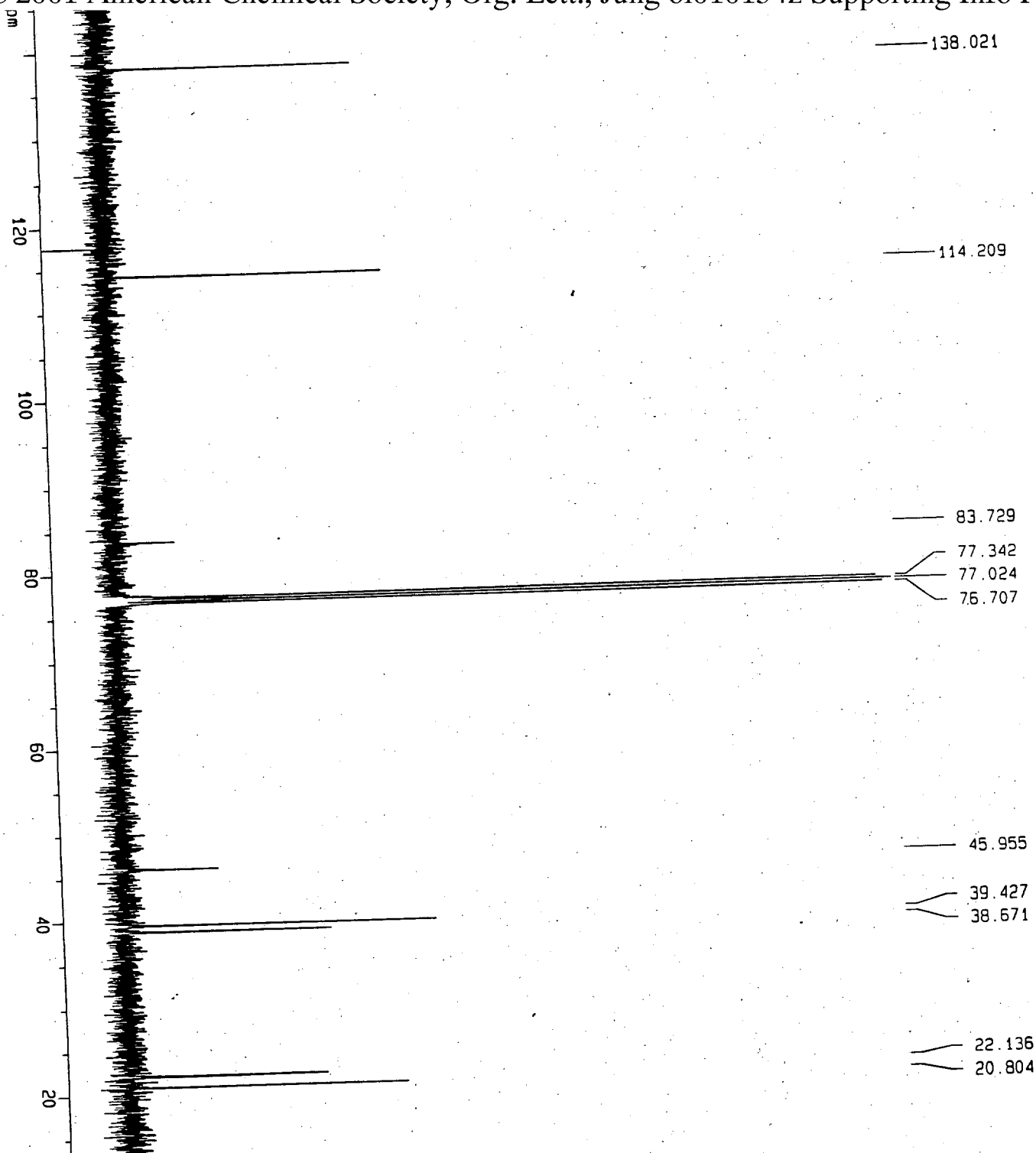
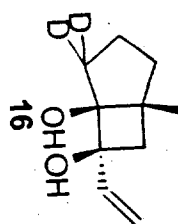
MDM EM
SSB 0
LB 0.30 Hz

GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
F1P 6.137 ppm

F1 2455.76 Hz
F2P 1.037 ppm
F2 414.93 Hz

PPMCM 0.25502 ppm/cm
HZCM 102.04157 Hz/cm



Current Data Parameters
NAME PD-III-85
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20001117

Time 13.05

INSTRUM arc400

PROBHD 5 mm QNP 1H

PULPROG zgpg30

TD 65536

SOLVENT CDCl3

NS 155

DS 0

SWH 17857.143 Hz

FIDRES 0.272478 Hz

AQ 1.8350580 sec

RG 32768

DM 28.000 usec

DE 35.00 usec

TE 300.0 K

D12 0.0000200 sec

DL5 23.50 dB

CPDPRG waltz16

P31 100.00 usec

D1 2.00000000 sec

P1 6.25 usec

SFO1 100.6210580 MHz

NUCLEUS 13C

D11 0.0300000 sec

F2 - Processing parameters

SI 65536

SF 100.6127710 MHz

MDW EM

SSB 0

LB 1.00 Hz

GB 0

PC 1.40

1D NMR plot parameters

CX 20.00 cm

F1P 146.620 ppm

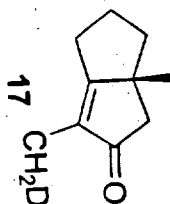
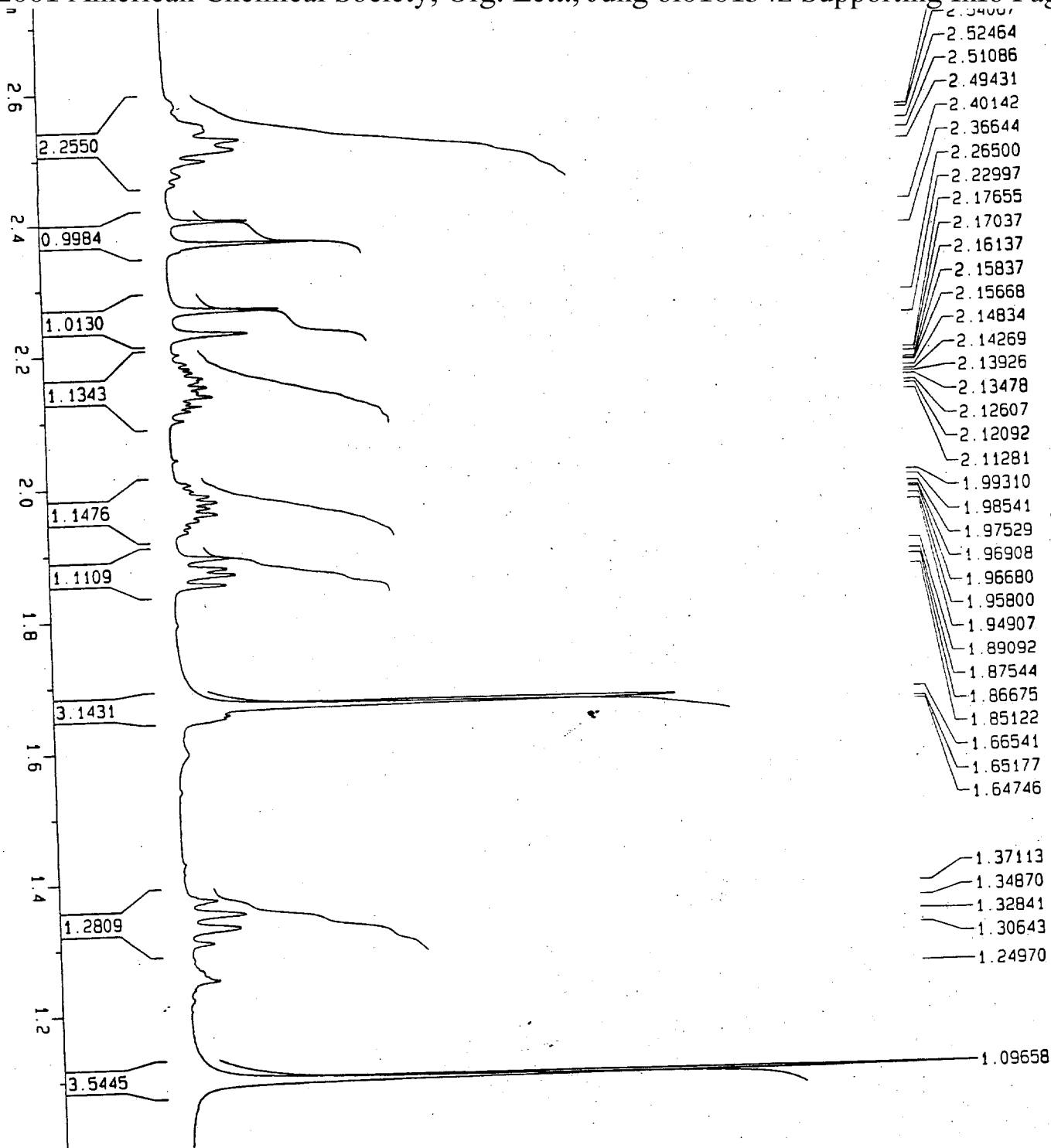
F1 14751.89 Hz

F2P 13.214 ppm

F2 1329.46 Hz

PPMCM 6.67034 ppm/c

HZCM 671.12109 Hz/c



Current Data Parameters
NAME PD-III-87
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 20001118
Time 15.19
INSTRUM avance500
PROBHD 5 mm bb-Z
PULPROG zg30
TD 32768
SOLVENT CDCl₃
NS 32
DS 0
SMH 1893.939 Hz
FIDRES 0.057798 Hz
AQ 8.6508017 sec
RG 256
DM 264.000 usec
DE 6.00 usec
TE 300.0 K
D1 2.00000000 sec

===== CHANNEL f1 =====

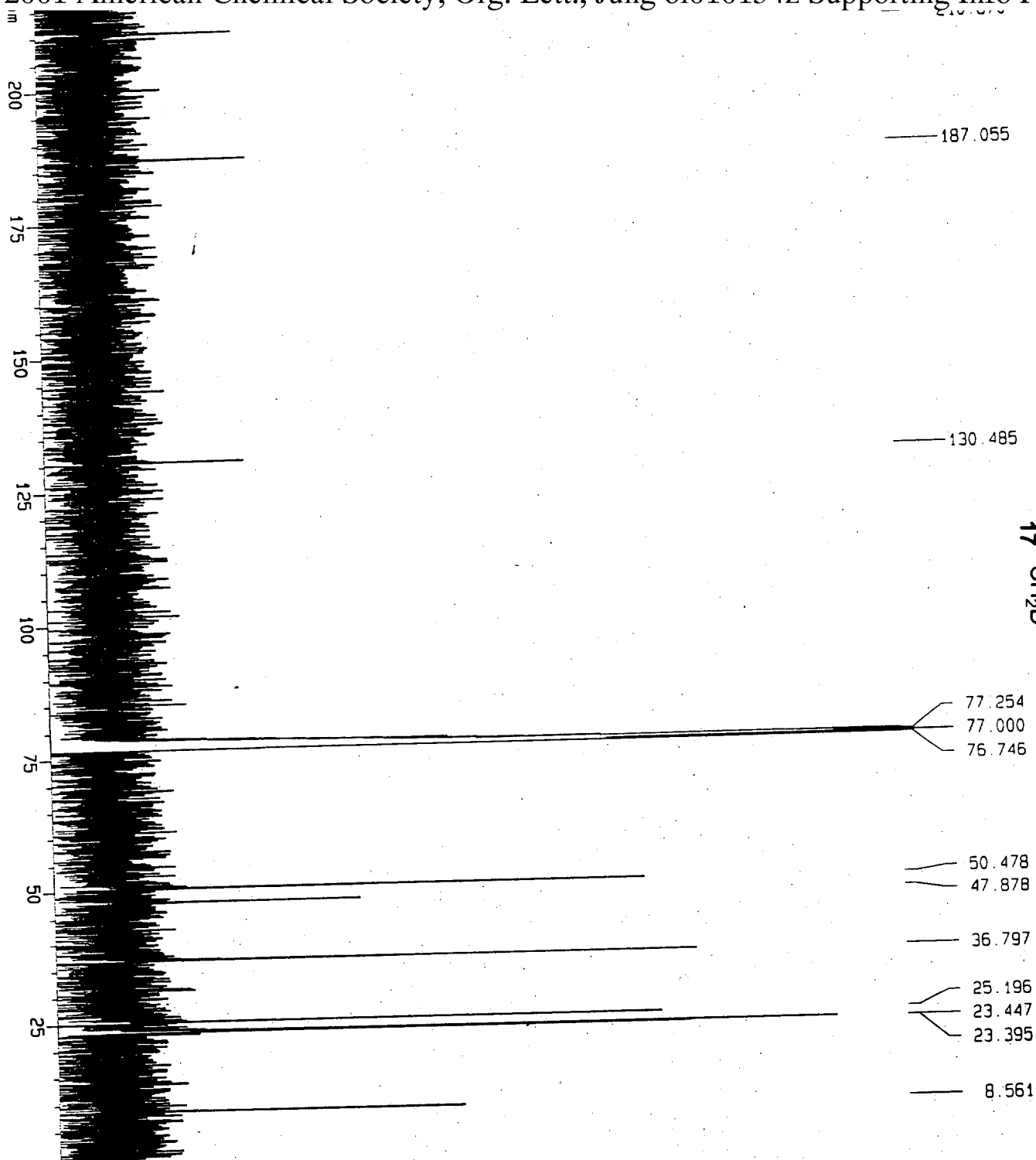
NUC1 1H
P1 12.50 usec
PL1 0.00 dB
SF01 500.3308552 MHz

F2 - Processing parameters

SI 32768
SF 500.3300224 MHz
MDM EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters

CX 20.00 cm
F1P 2.772 ppm
F1 1386.79 Hz
F2P 0.996 ppm
F2 498.35 Hz
PPMCM 0.08879 ppm/c
HZCM 44.42187 Hz/cm



Current Data Parameters
 NAME PD-111-87
 EXPNO 3
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20001118
 Time 16.29
 INSTRUM arx500
 PROBD 5 mm broadba
 PULPROG zgpg30
 TO 65536
 SOLVENT CDCl3
 NS 1586
 DS 0
 SWH 33333.332 HZ
 FIDRES 0.508626 HZ
 AQ 0.9830900 sec
 RG 45500
 DM 15.000 usec
 DE 21.43 usec
 TE 300.0 K
 D12 0.0000200 sec
 DLS 16.00 dB
 CPDPRG waltz16
 P31 100.00 usec
 D1 3.0000000 sec
 P1 7.50 usec
 SF01 125.7728999 MHz
 NUCLEUS 13C
 D11 0.0300000 sec

F2 - Processing parameters

SI 65536
 SF 125.7577951 MHz
 MDW EM
 SSB 0
 LB 1.00 HZ
 GB 0
 PC 1.40

1D NMR plot parameters

CX 20.00 cm
 F1P 219.088 ppm
 F1 27552.05 HZ
 F2P -0.117 ppm
 F2 -14.75 HZ
 PPMCM 10.96028 ppm/c
 HZCM 1378.34045 HZ/cm

PD_III_87

071001_2 535 (11.017) Cm (533:537-(539:547+528:532))

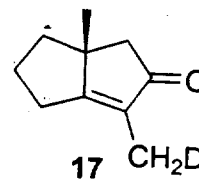
151.1120

xx2

TOF MS CI+
243

100

%



153.0730

150.1613

179.1351

180.1914

135.1108

134.1188

136.1410

133.0759

154.0404

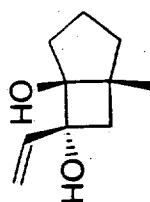
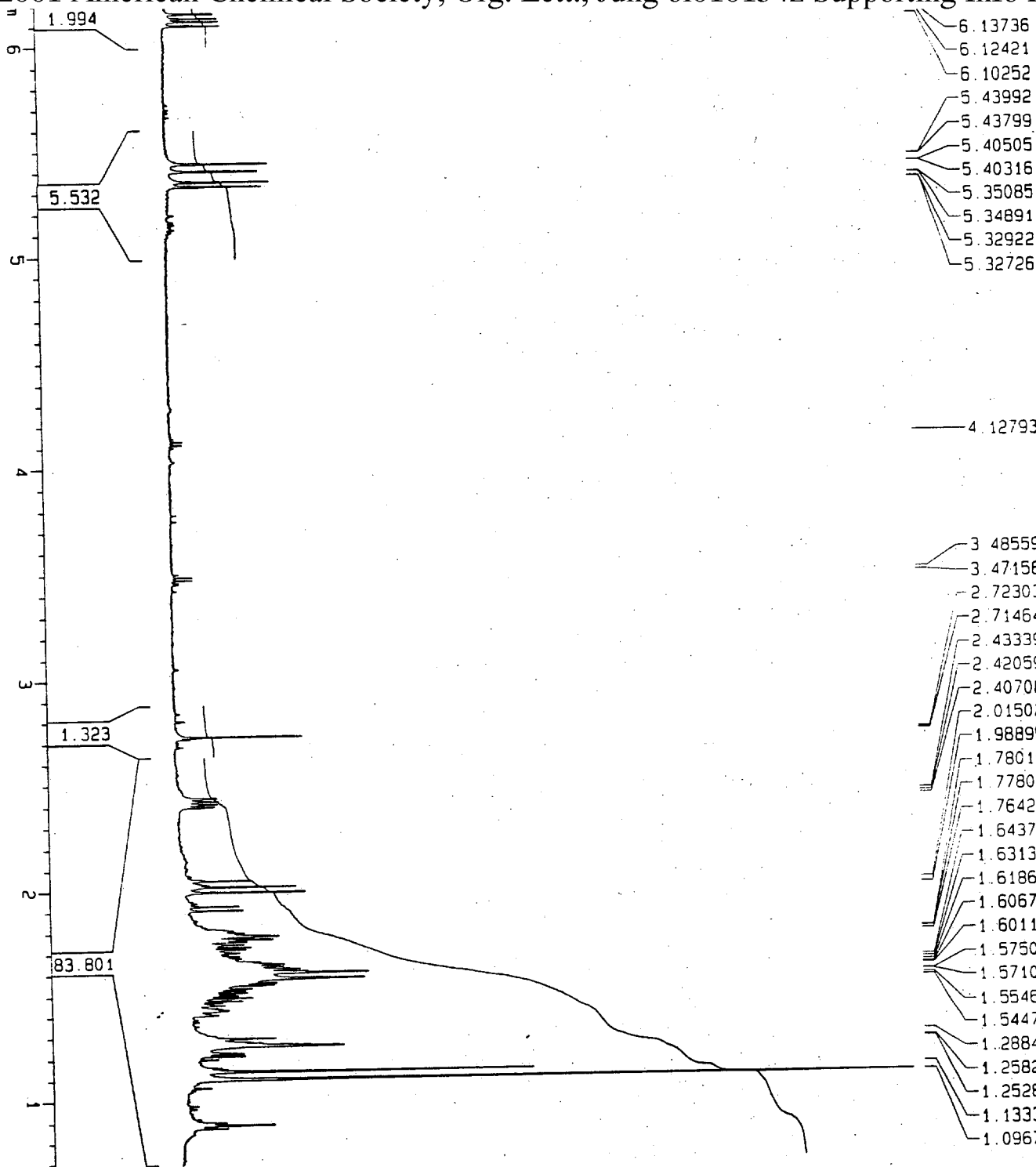
174.1579

167.0931

192.1896

106.0718

m/z



Current Data Parameters
 NAME PD-III-145
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

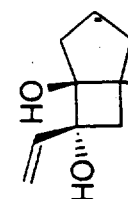
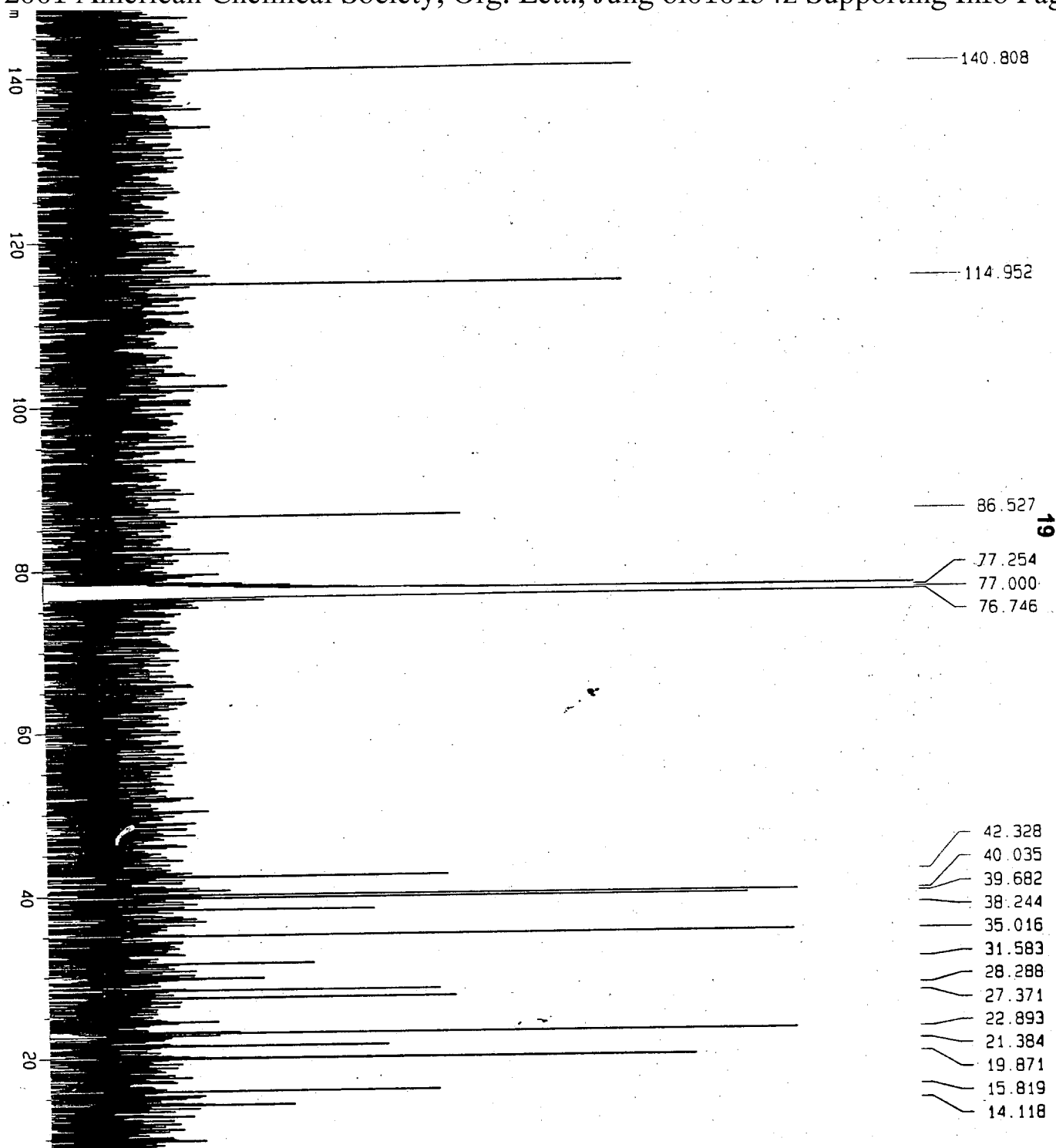
Date_ 20010205
 Time 20.31
 INSTRUM avance500
 PROBHD 5 mm dd-z

PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 0
 SMH 4528.985 Hz
 FIDRES 0.138214 Hz
 AQ 3.6176372 sec
 RG 256
 DM 110.400 usec
 DE 6.00 usec
 TE 300.0 K
 D1 2.00000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 0.00 dB
 SFO1 500.3320919 MHz

F2 - Processing parameters
 SI 32768
 SF 500.3300221 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1D NMR plot parameters
 CX 20.00 cm
 F1P 6.309 ppm
 F1 3156.71 Hz
 F2P 0.690 ppm
 F2 345.11 Hz
 PPMCM 0.28097 ppm/c
 HZCM 140.58011 Hz/cm



Current Data Parameters
NAME PD-111-145
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters

Date_ 20010206
Time 8.37
INSTRUM avance500
PROBHD 5 mm dd-z

PULPROG zgpg30

TD 65536

SOLVENT CDCl3

NS 6839

DS 0

SMH 24752.475 Hz

FTRES 0.377693 Hz

AD 1.3238772 sec

RG 4096

DW 20.200 usec

DE 6.00 usec

TE 300.0 K

D1 5.00000000 sec

d11 0.03000000 sec

***** CHANNEL f1 *****

NUC1 13C

P1 5.25 usec

PL1 0.00 dB

SFO1 125.8195648 MHz

***** CHANNEL f2 *****

CPDPRG2 waltz16

NUC2 1H

PCPD2 105.00 usec

PL2 120.00 dB

SFO2 500.3320013 MHz

F2 - Processing parameters

SI 65536

SF 125.8080835 MHz

MDM EM

SSB 0

LB 1.00 Hz

GB 0

PC 1.40

1D NMR plot parameters

CX 20.00 cm

F1P 151.218 ppm

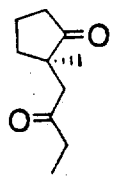
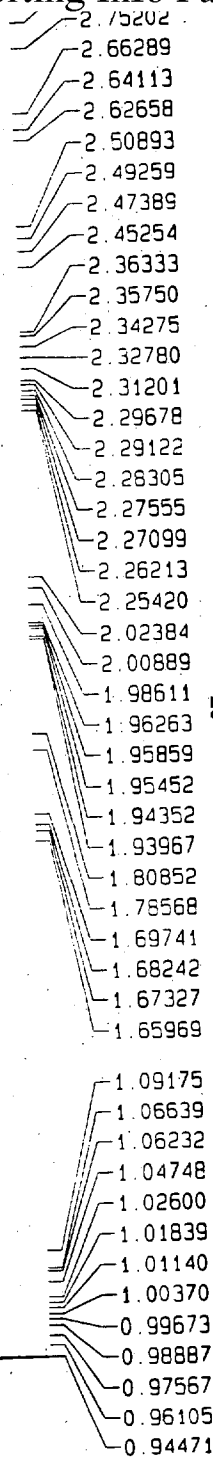
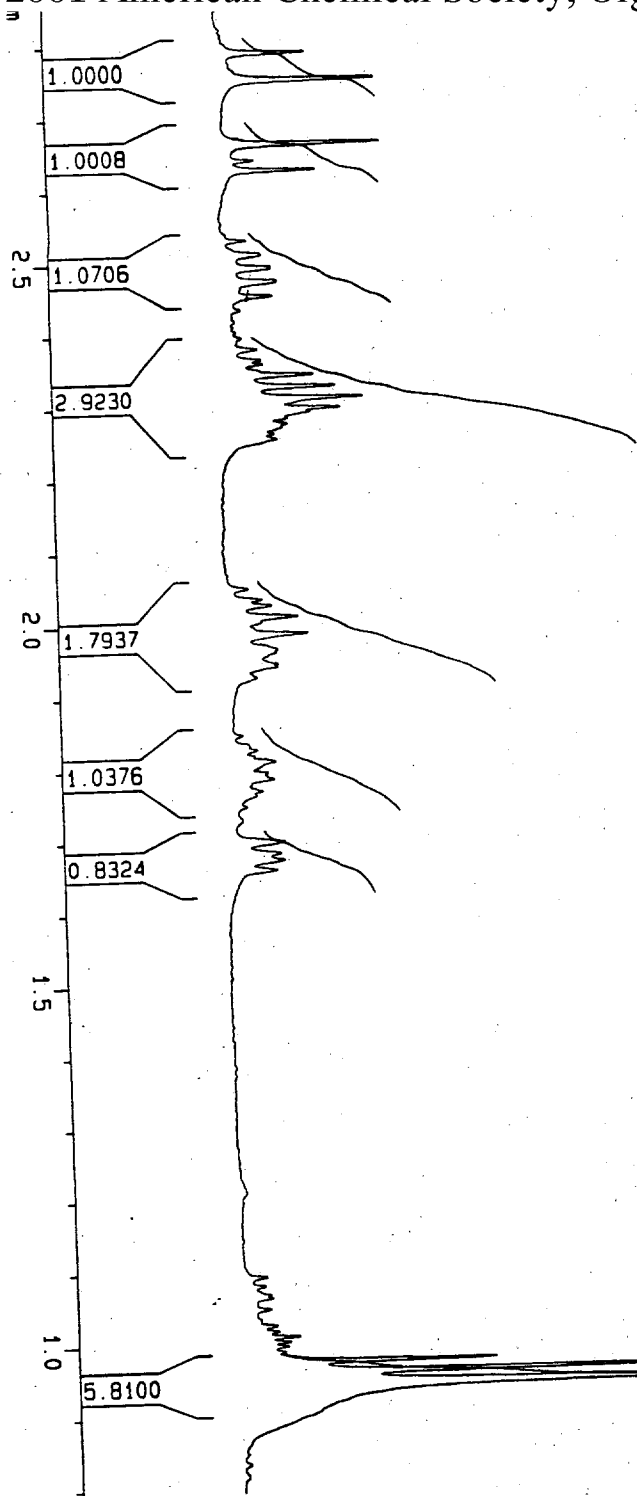
F1 19024.49 Hz

F2P 8.804 ppm

F2 1107.65 Hz

PPMCM 7.12070 ppm/cm

HZCM 895.84198 Hz/cm



20

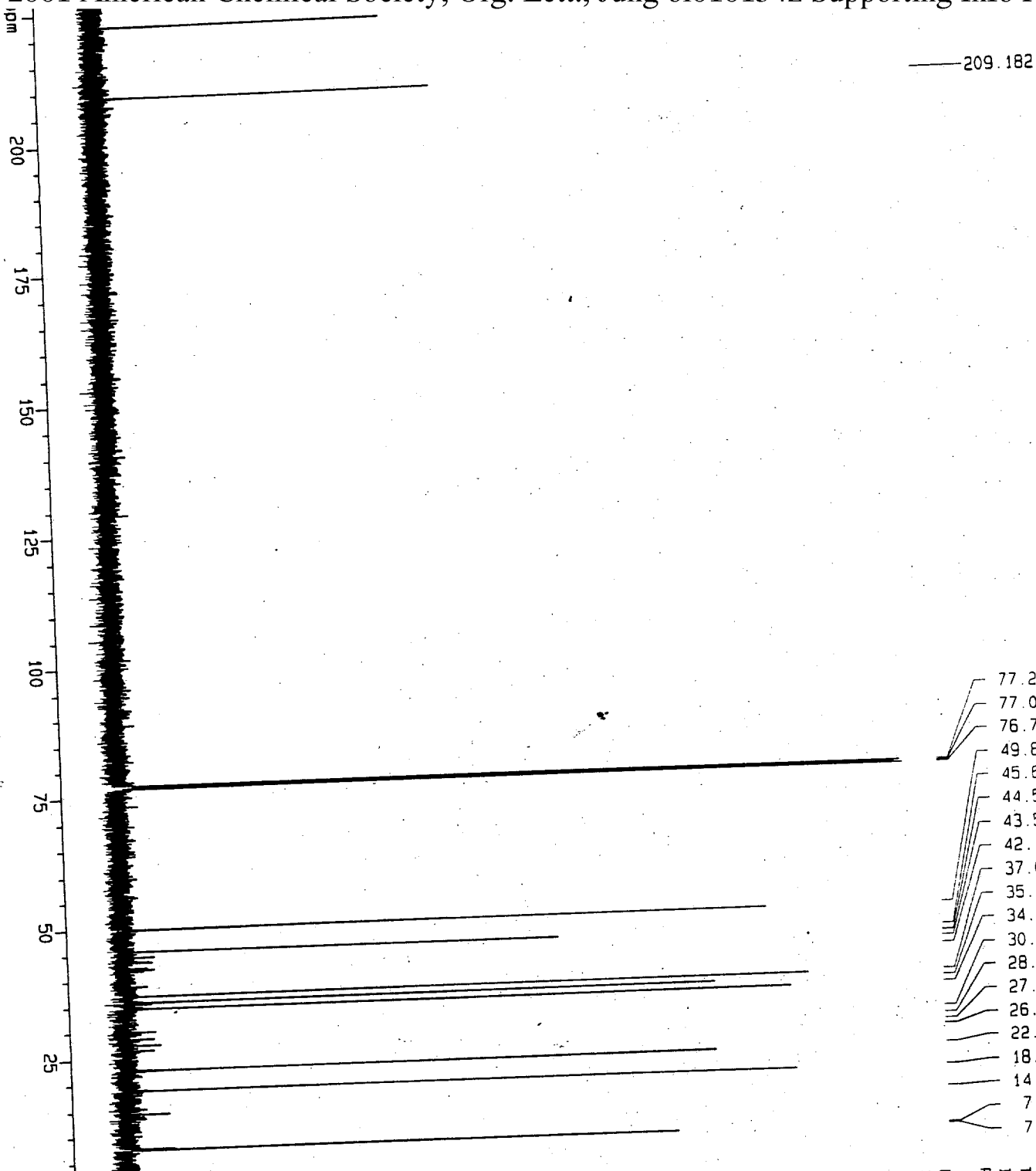
Current Data Parameters
 NAME PD-111-209
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters

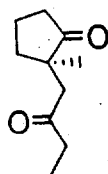
Date_ 20010503
 Time 16.32
 INSTRUM avance500
 PROBD 5 mm bb-Z

===== CHANNEL f1 =====
 NUC1 1H
 P1 12.50 usec
 PL1 0.00 dB
 SF01 500.3309256 MHz
 F2 - Processing parameters
 SI 32768
 SF 500.3300224 MHz
 MDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

00m



20



77.256
77.002
76.747
49.856
45.619
44.508
43.516
42.164
37.078
35.902
34.691
30.058
28.635
27.495
26.540
22.792
18.771
14.466
7.670
7.431

Current Data Parameters
 NAME PD-111-209
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters

Date_ 20010503
 Time 16:38
 INSTRUM avance500
 PPROBHD 5 mm bd-Z

PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 64
 DS 0
 SMH 32679.738 Hz
 FIDRES 0.498653 Hz
 AQ 1.0027508 sec
 RG 1024
 DW 15.300 usec
 DE 6.00 usec
 TE 300.0 K
 D1 5.00000000 sec
 d11 0.03000000 sec

===== CHANNEL f1 =====
 NUC1 13C
 P1 5.25 usec
 PL1 0.00 dB
 SF01 125.8231939 MHz

===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 1H
 PCPD2 105.00 usec
 PL2 120.00 dB
 PL12 19.00 dB
 SF02 500.3320013 MHz

F2 - Processing parameters
 SI 65536
 SF 125.8080918 MHz
 MDM EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 20.00 cm
 F1P 228.183 ppm
 F1 28707.26 Hz
 F2P 3.475 ppm
 F2 437.24 Hz
 PPMCM 11.23538 ppm/cm
 HZCM 1413.50134 Hz/cm