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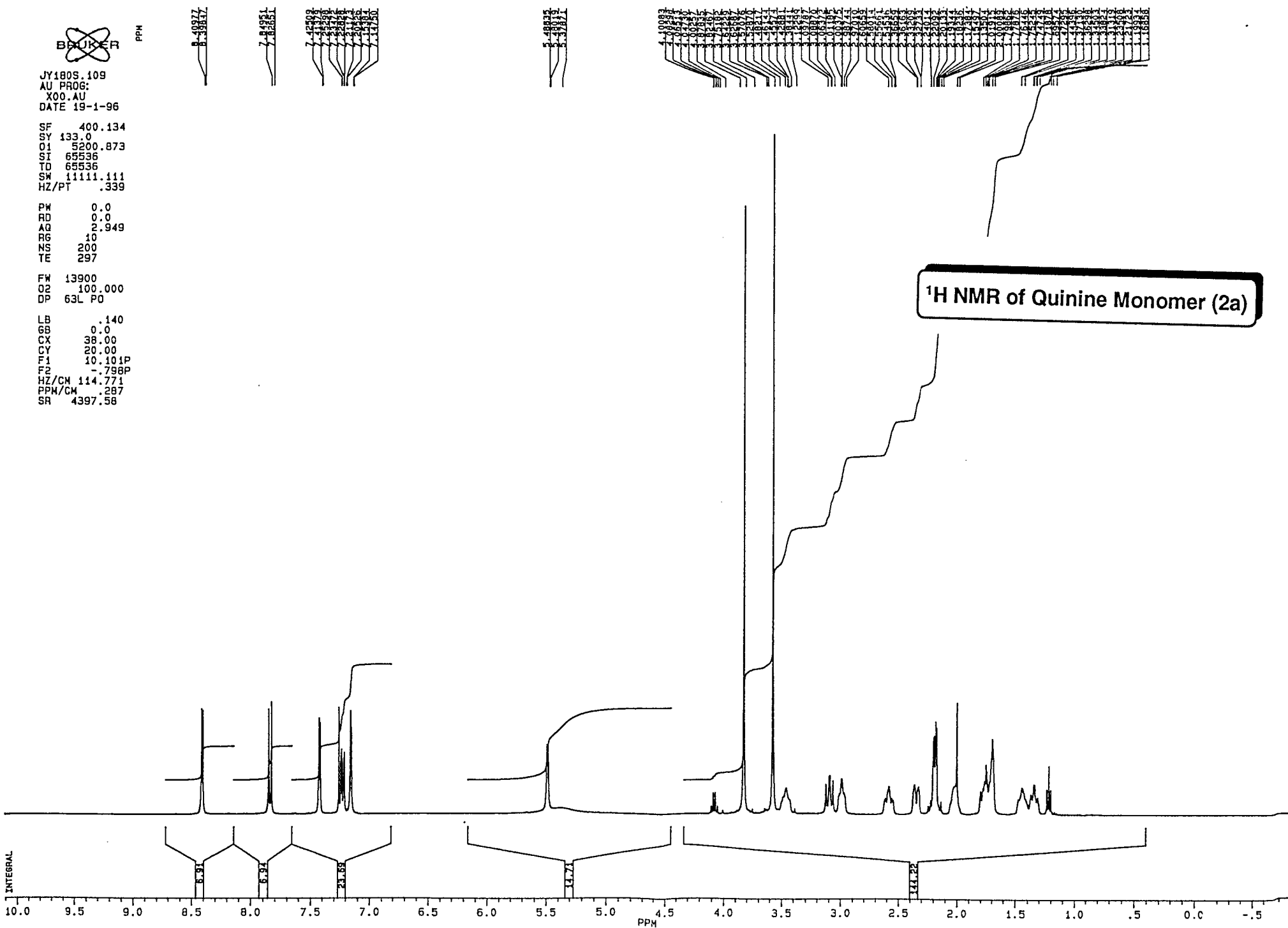
JY180S.109
AU PROG:
X00.AU
DATE 19-1-96

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SI	65536
TD	65536
SW	11111.111
HZ/PT	.339

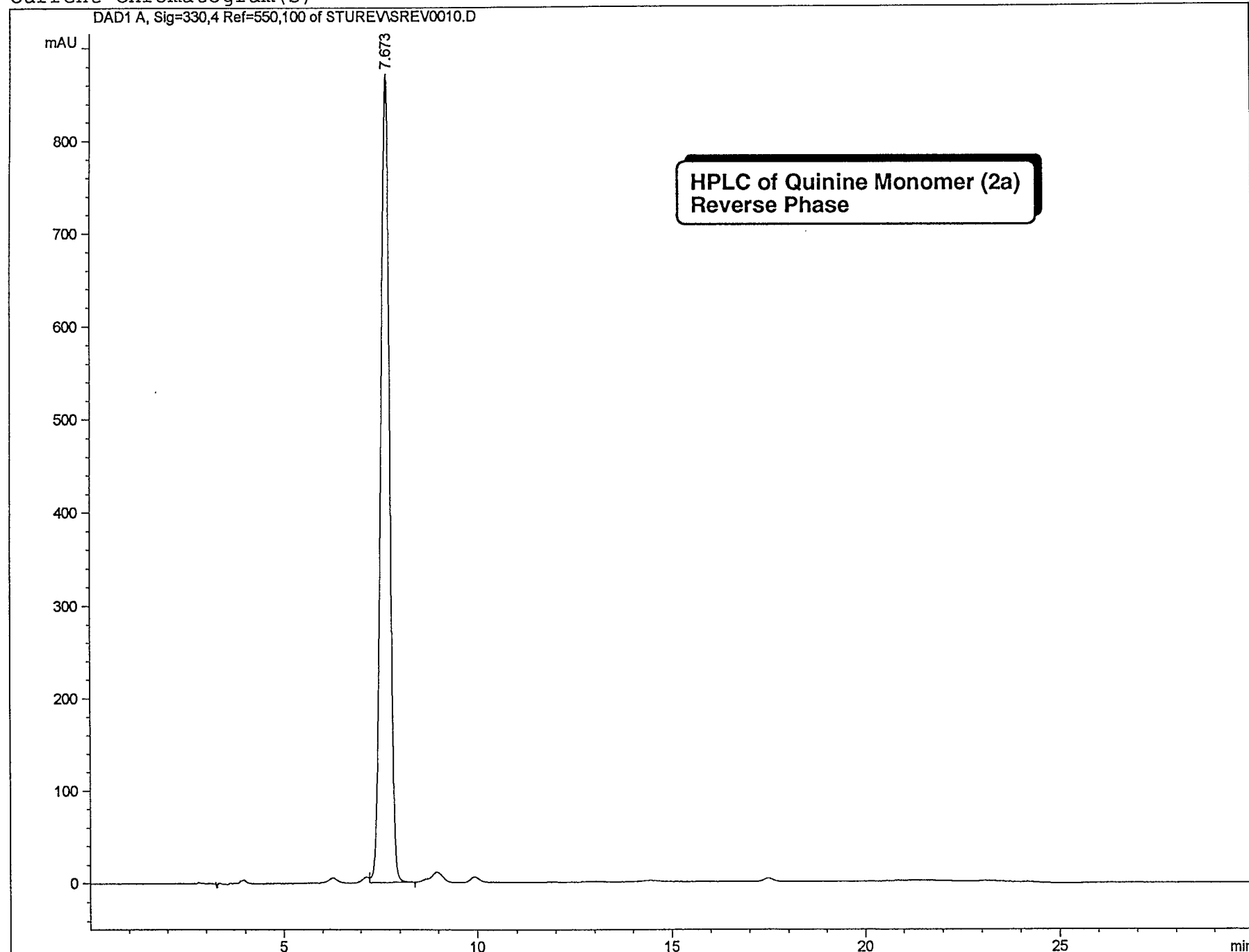
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RG	10
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TE	297

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02 100.000
DP 63L P0
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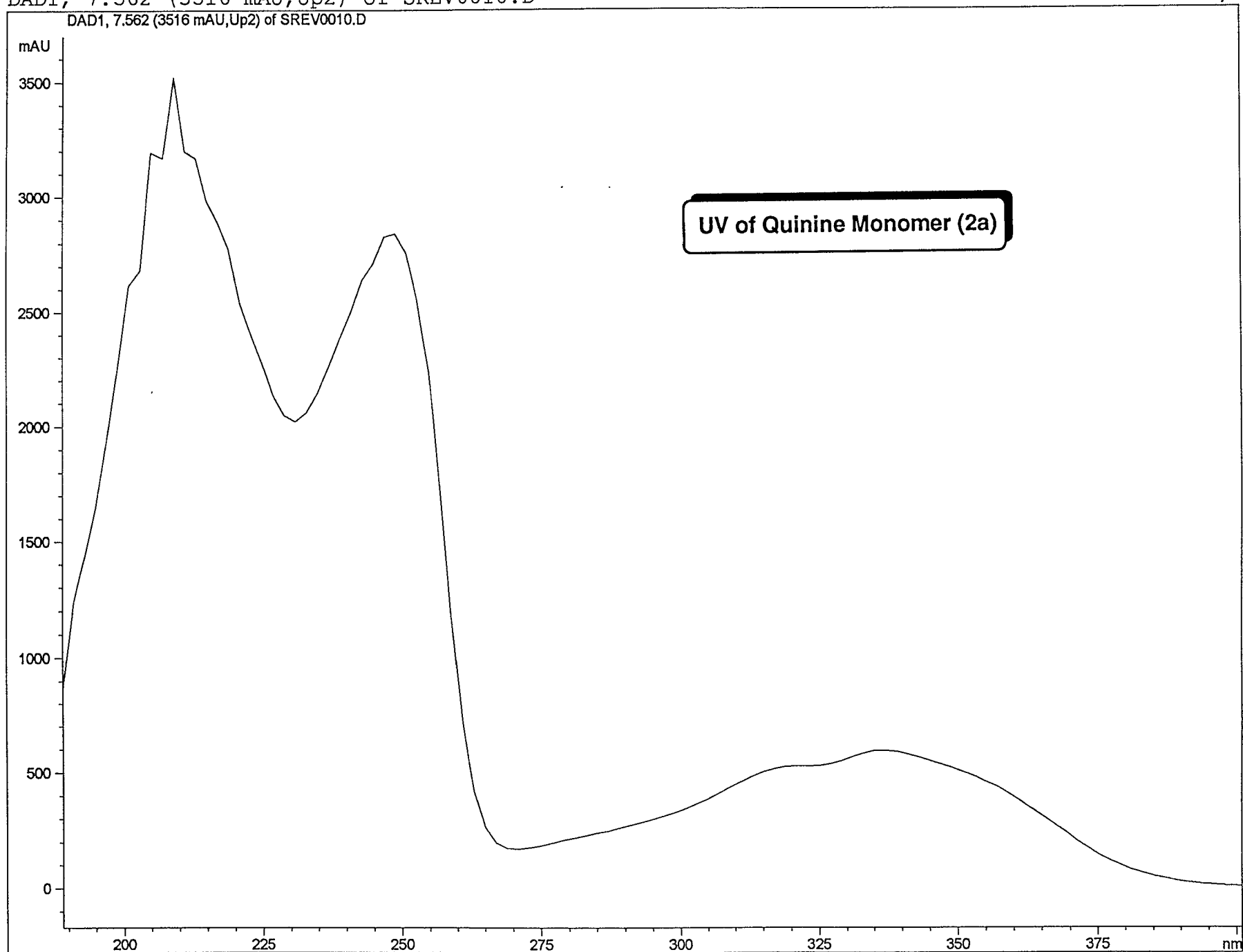
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GB	0.0
CX	38.00
CY	20.00
F1	10.101P
F2	-.798P
HZ/CM	114.771
PPM/CM	.287
SR	4397.58



Current Chromatogram(s)



DAD1, 7.562 (3516 mAU, Up2) of SREV0010.D





JY120S.109
AU PRO6:
X00.AU
DATE 13-1-96

SF 400.134
SY 133.0
O1 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 40
NS 200
TE 297

FW 13900
O2 100.000
DP 63L P0

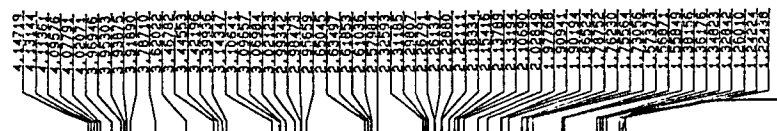
LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -.798P
HZ/CM 114.771
PPM/CM .287
SR 4397.58

PPM
8.78947
8.75812

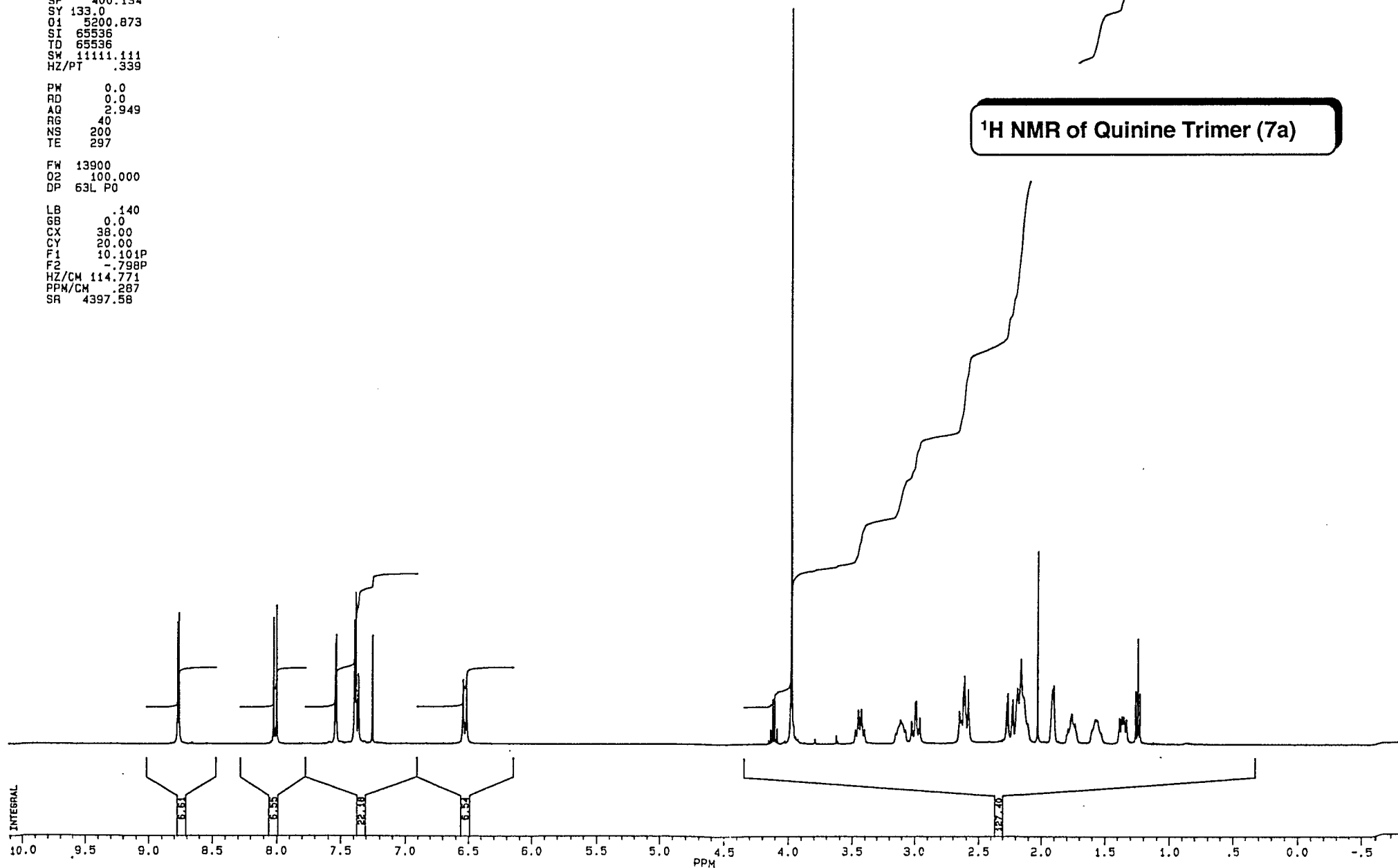
8.03048
7.99742

7.53718
7.53076
7.52438
7.51796
7.51154
7.50512

6.53076
6.51232

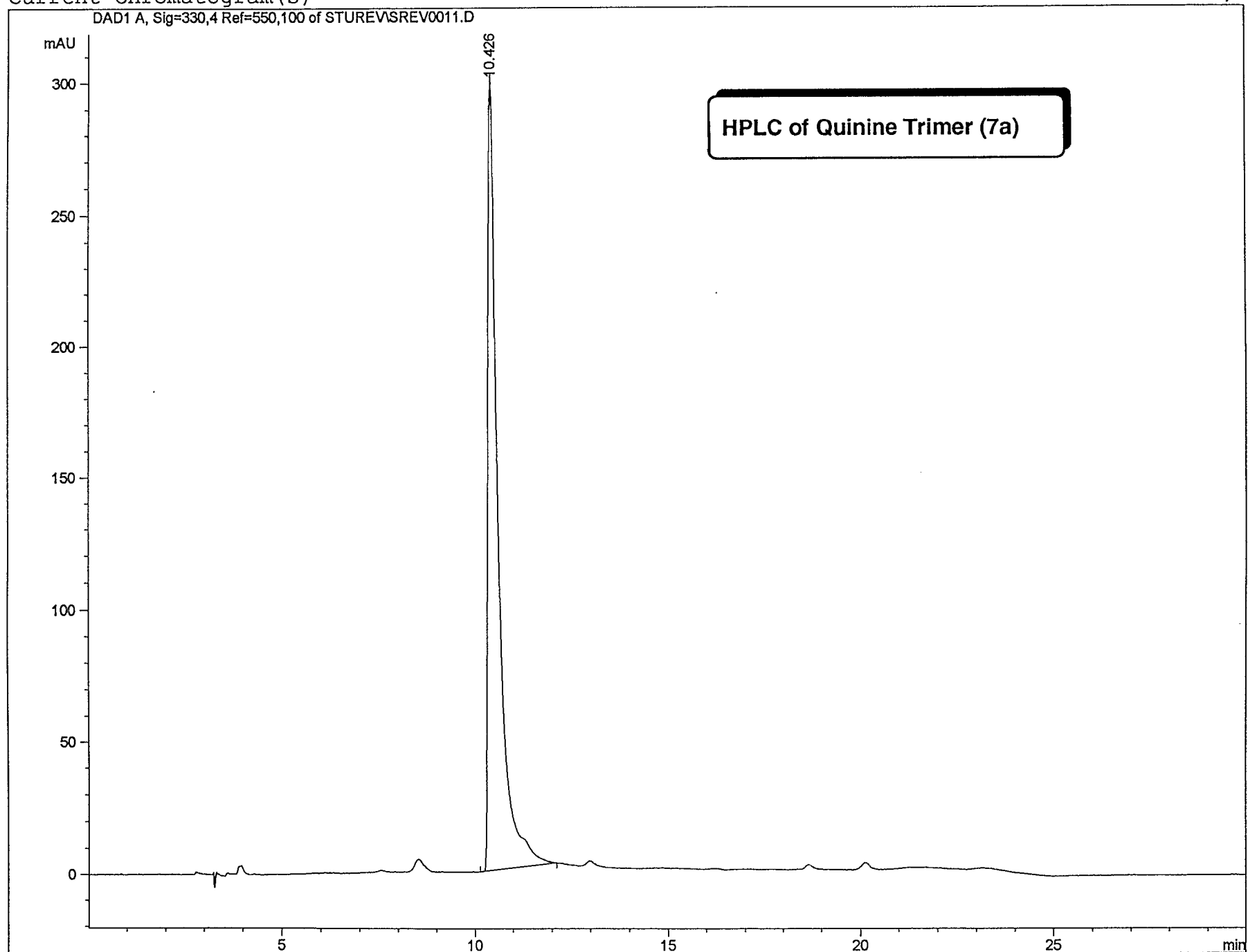


¹H NMR of Quinine Trimer (7a)



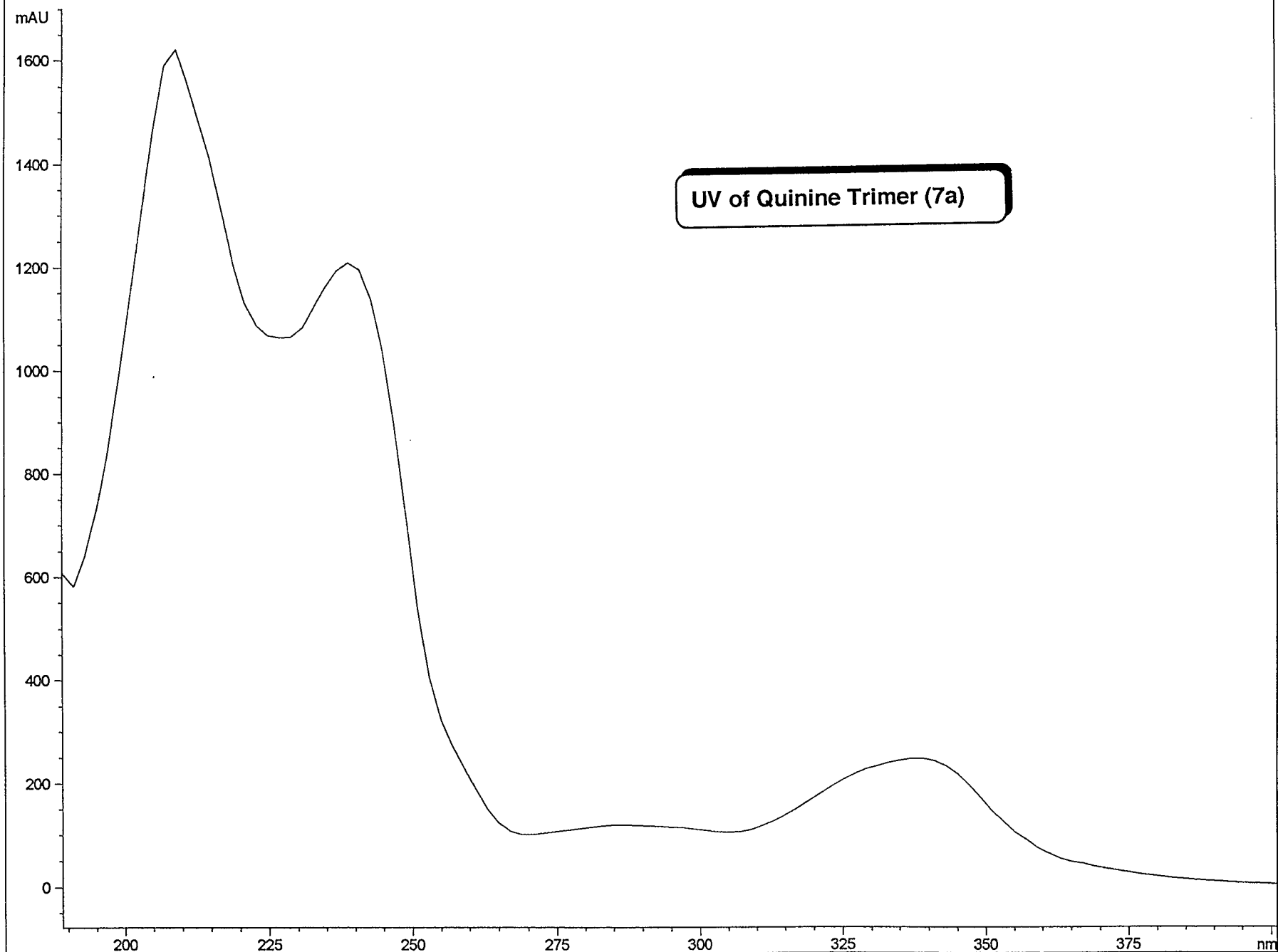
Current Chromatogram(s)

DAD1 A, Sig=330,4 Ref=550,100 of STUREVISREV0011.D



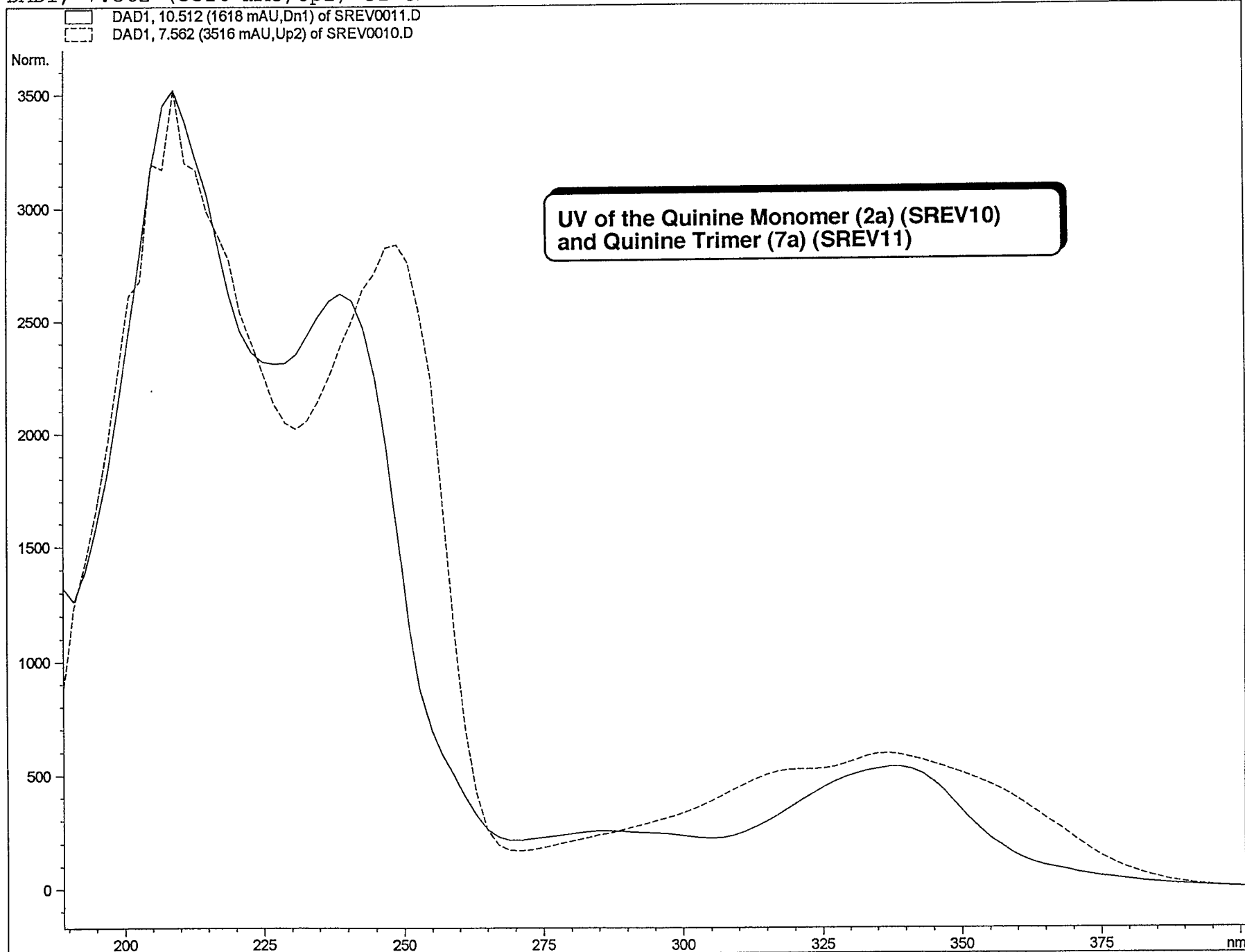
Original spectrum(a)

DAD1, 10.512 (1618 mAU,Dn1) of SREV0011.D



UV of Quinine Trimer (7a)

DAD1, 7.562 (3516 mAU, Up2) of SREV0010.D





NV1305.107
AU PROG:
X00.AU
DATE 14-11-95

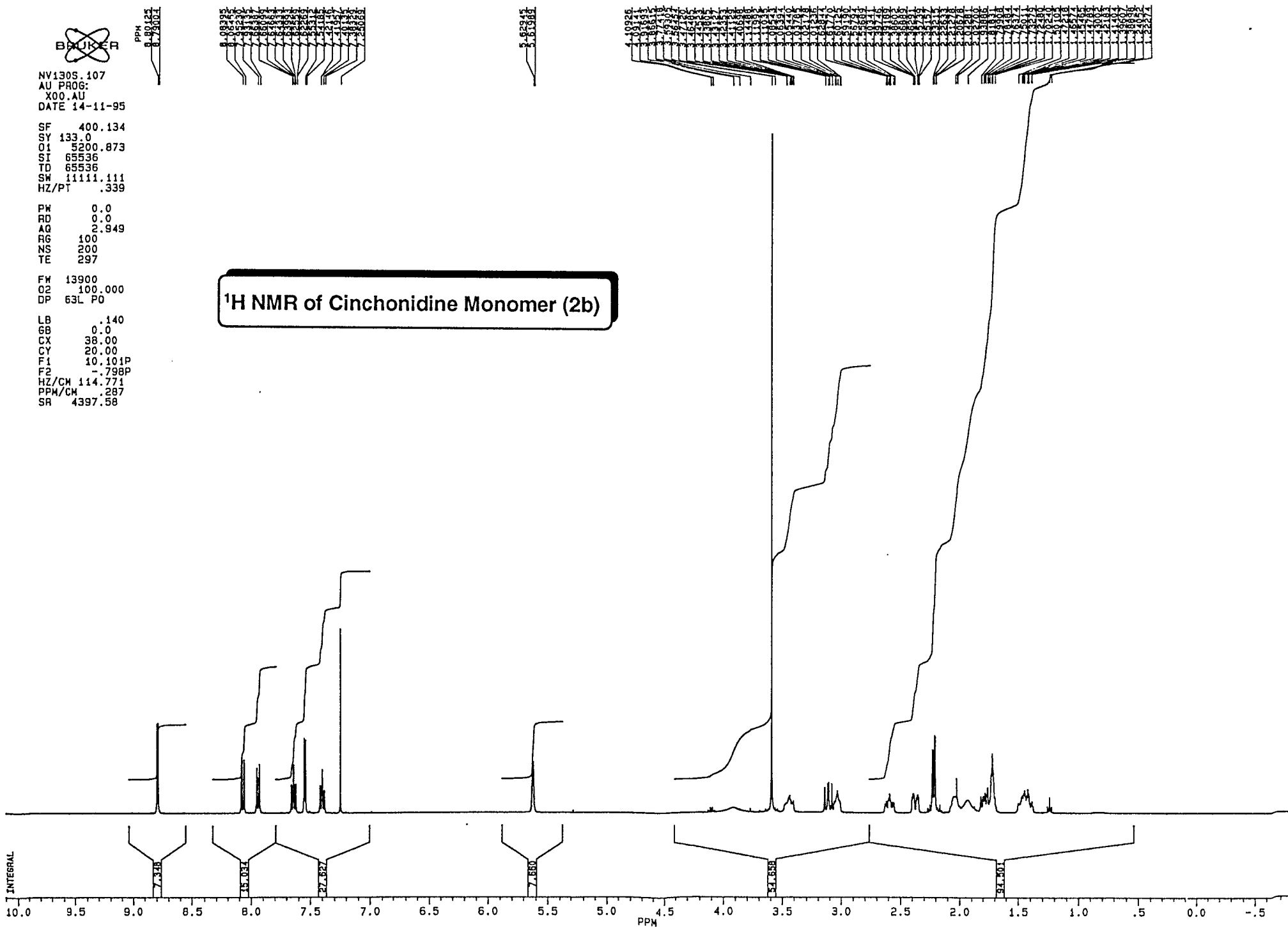
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SY 133.0
OI 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 100
NS 200
TE 297

FW 13900
O2 100.000
DP 63L P0

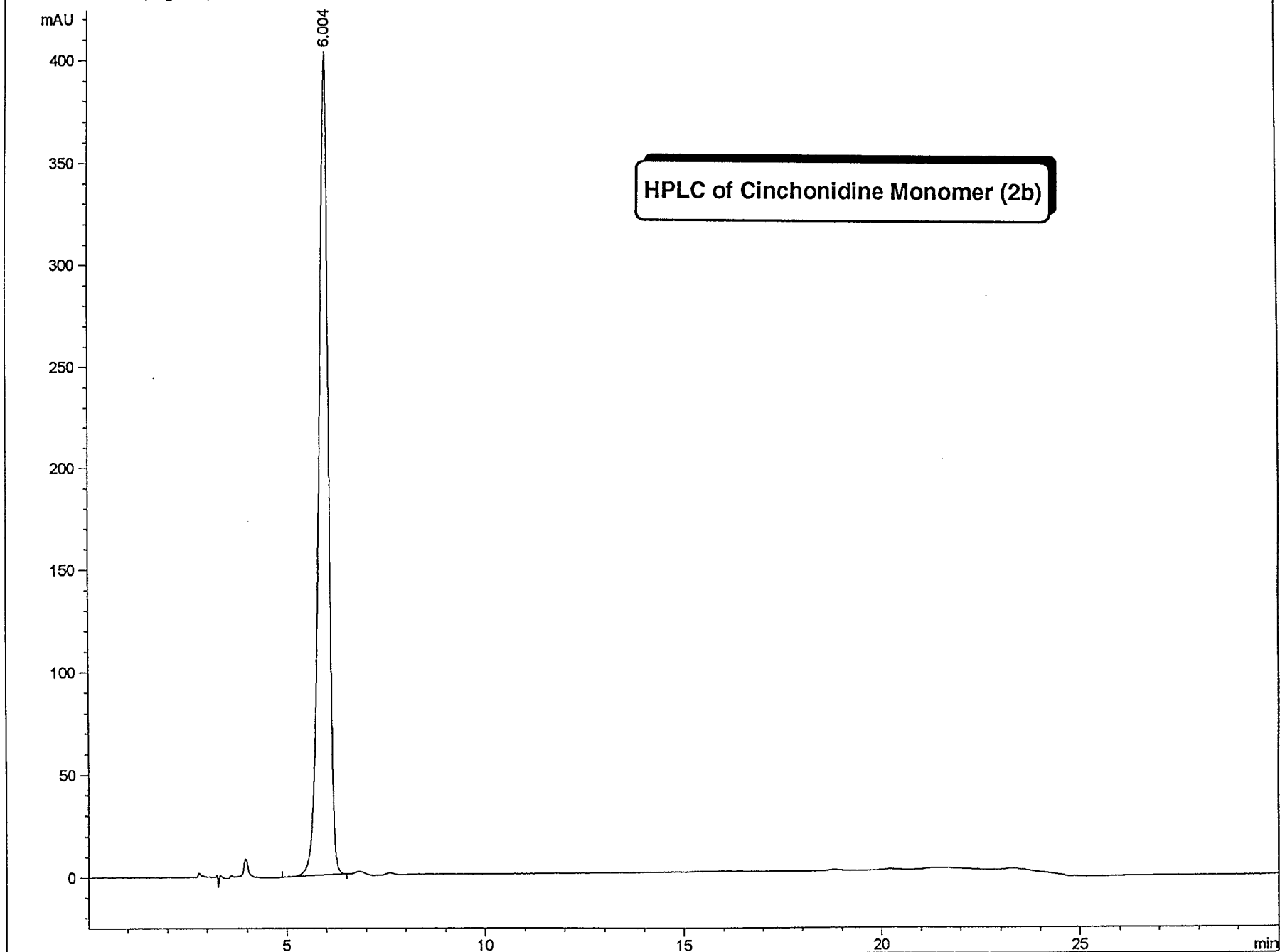
LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -.798P
HZ/CM 114.771
PPM/CM .287
SR 4397.58

¹H NMR of Cinchonidine Monomer (2b)



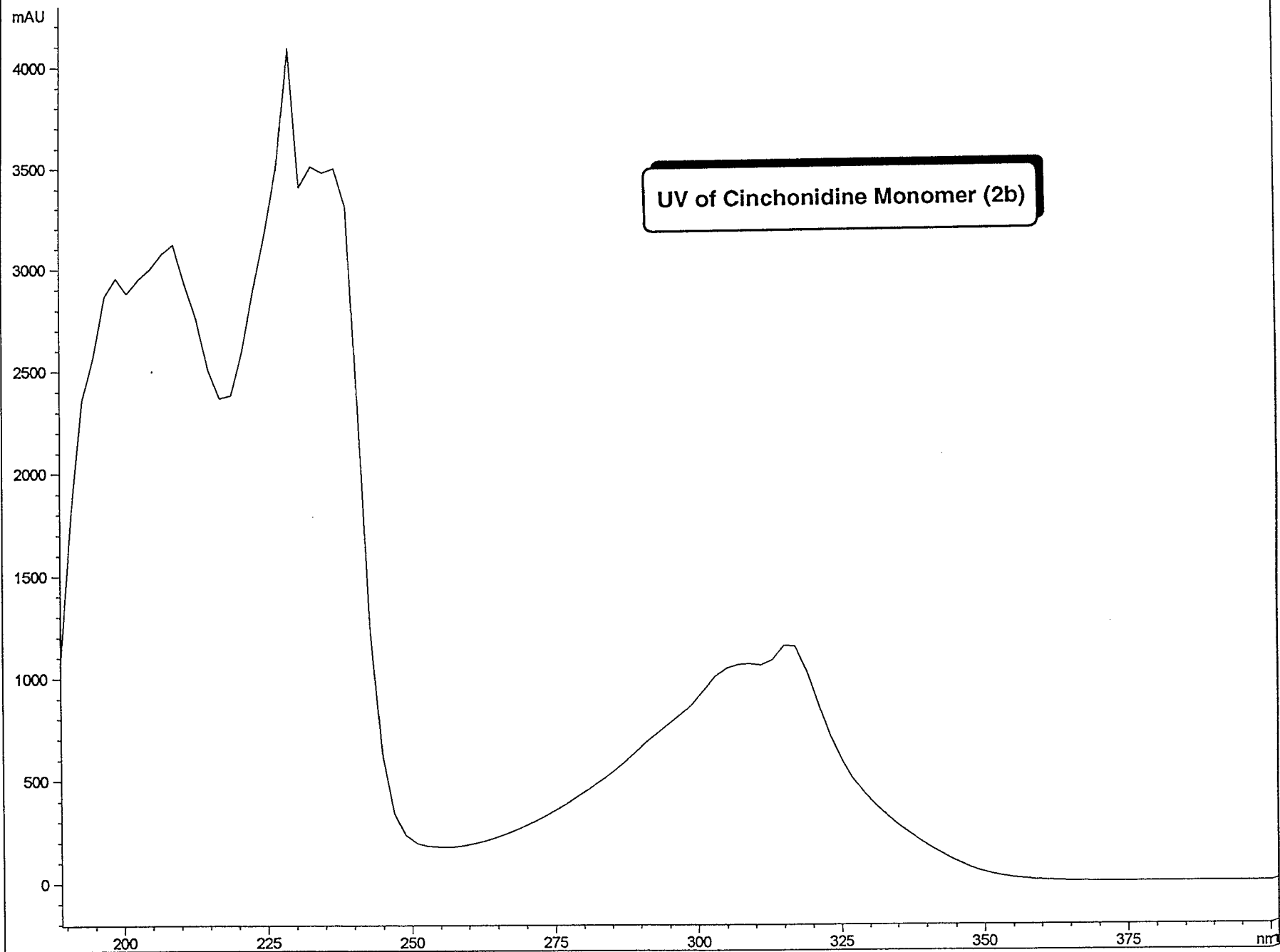
Current Chromatogram(s)

DAD1 A, Sig=330,4 Ref=550,100 of STUREV\SREV0014.D



UV Apex spectrum of Peak 6.004 of SREV0014.D

DAD1, 6.006 (4093 mAU, Apx) of SREV0014.D



UV of Cinchonidine Monomer (2b)



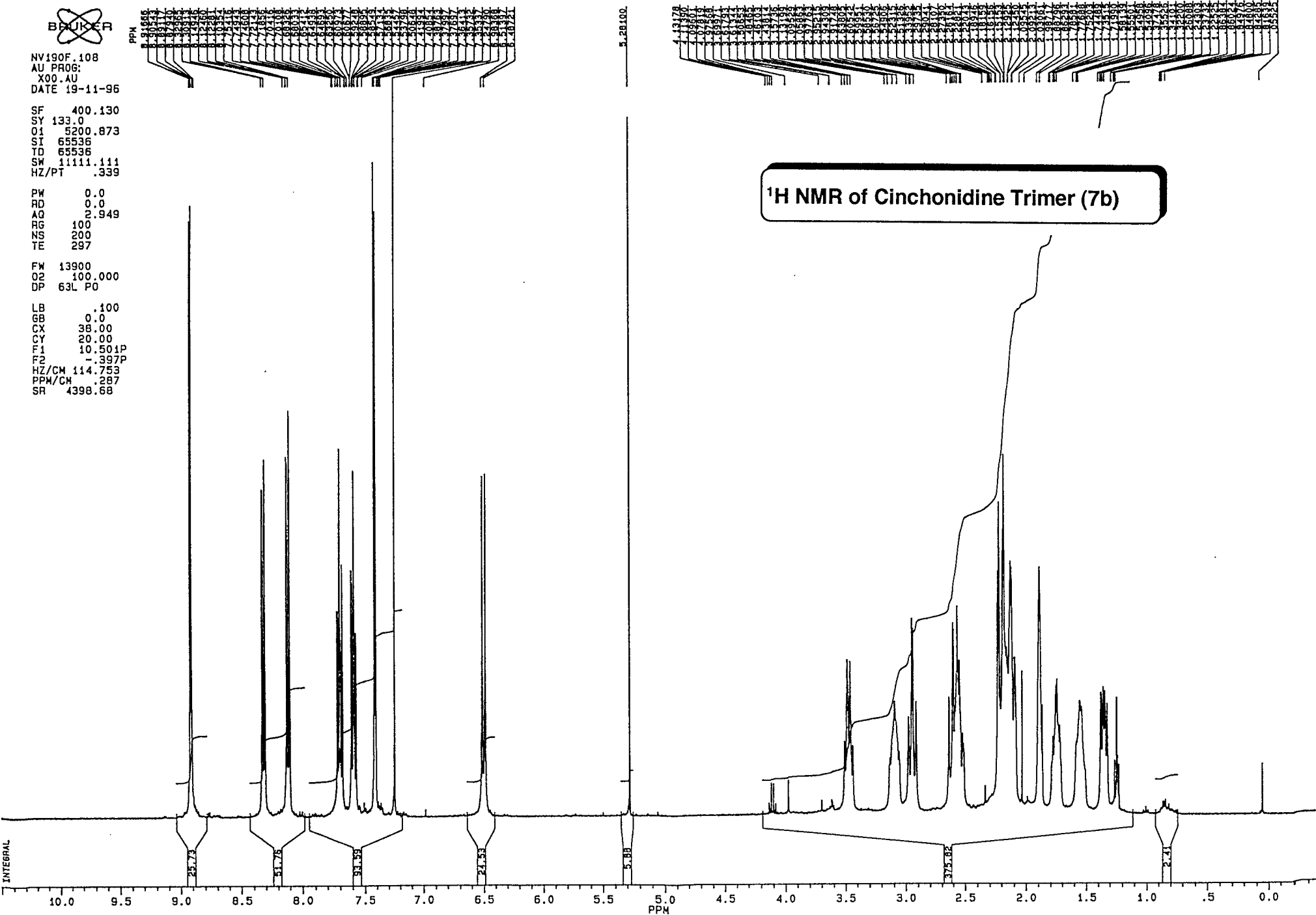
NV190F.108
AU PROG:
X00.AU
DATE 19-11-96

SF 400.130
SY 133.0
O1 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 100
NS 200
TE 297

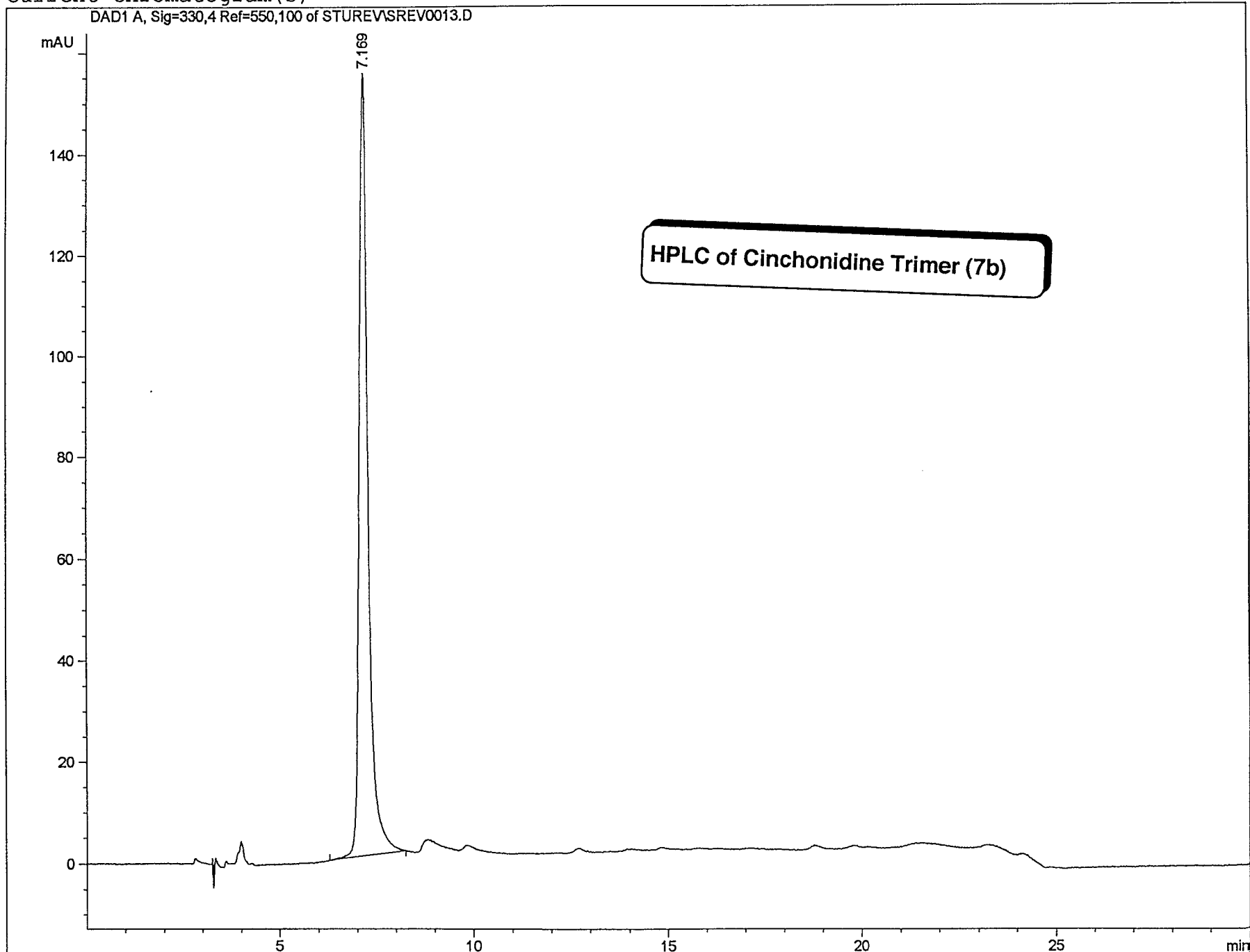
FW 13900
O2 100.000
DP 63L P0

LB .100
GB 0.0
CX 38.00
CY 20.00
F1 10.501P
F2 -.397P
HZ/CM 114.753
PPM/CM .287
SR 4398.68

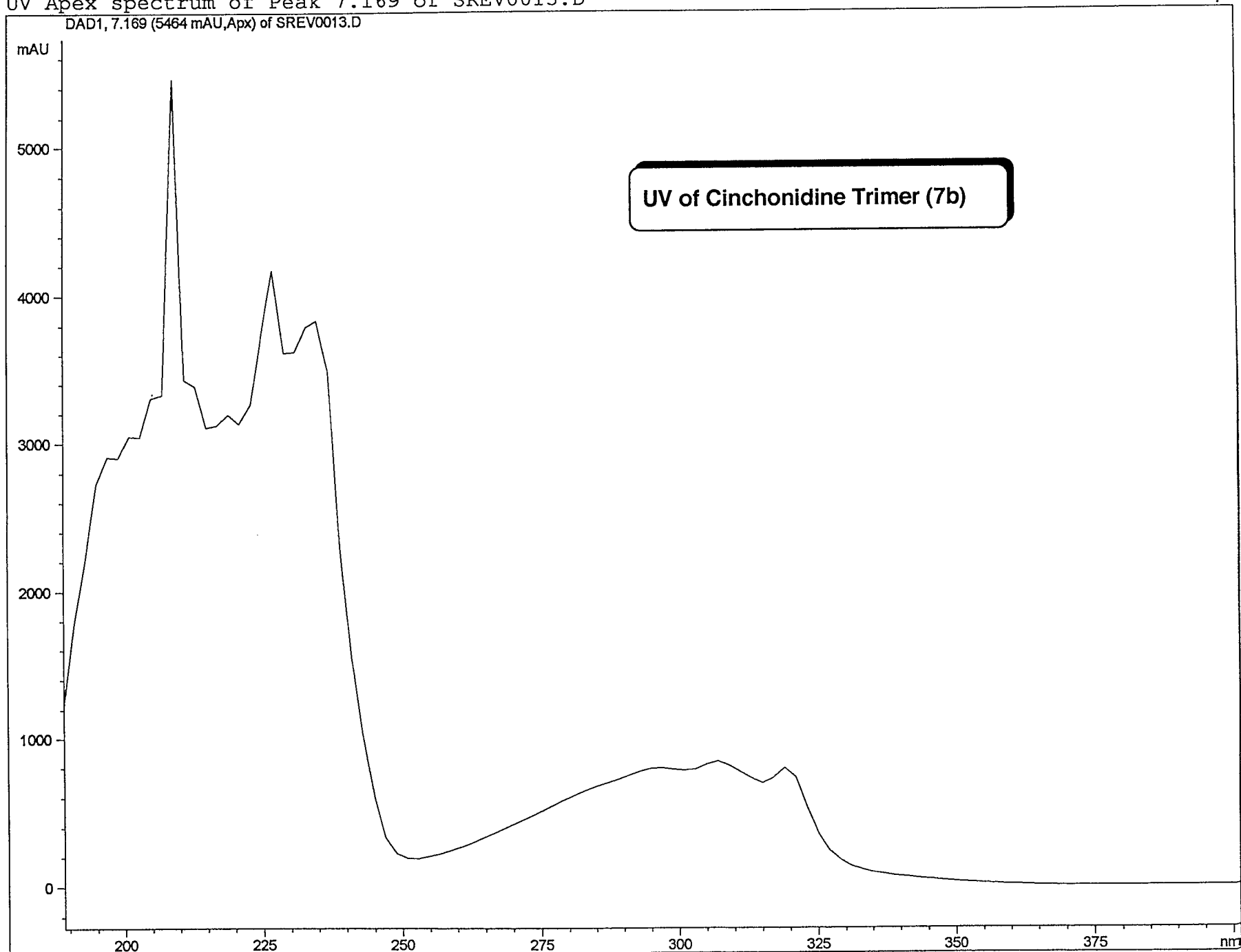


Current Chromatogram(s)

DAD1 A, Sig=330,4 Ref=550,100 of STUREVSREV0013.D



UV Apex spectrum of Peak 7.169 of SREV0013.D





AR300S.111
DATE 1-5-96

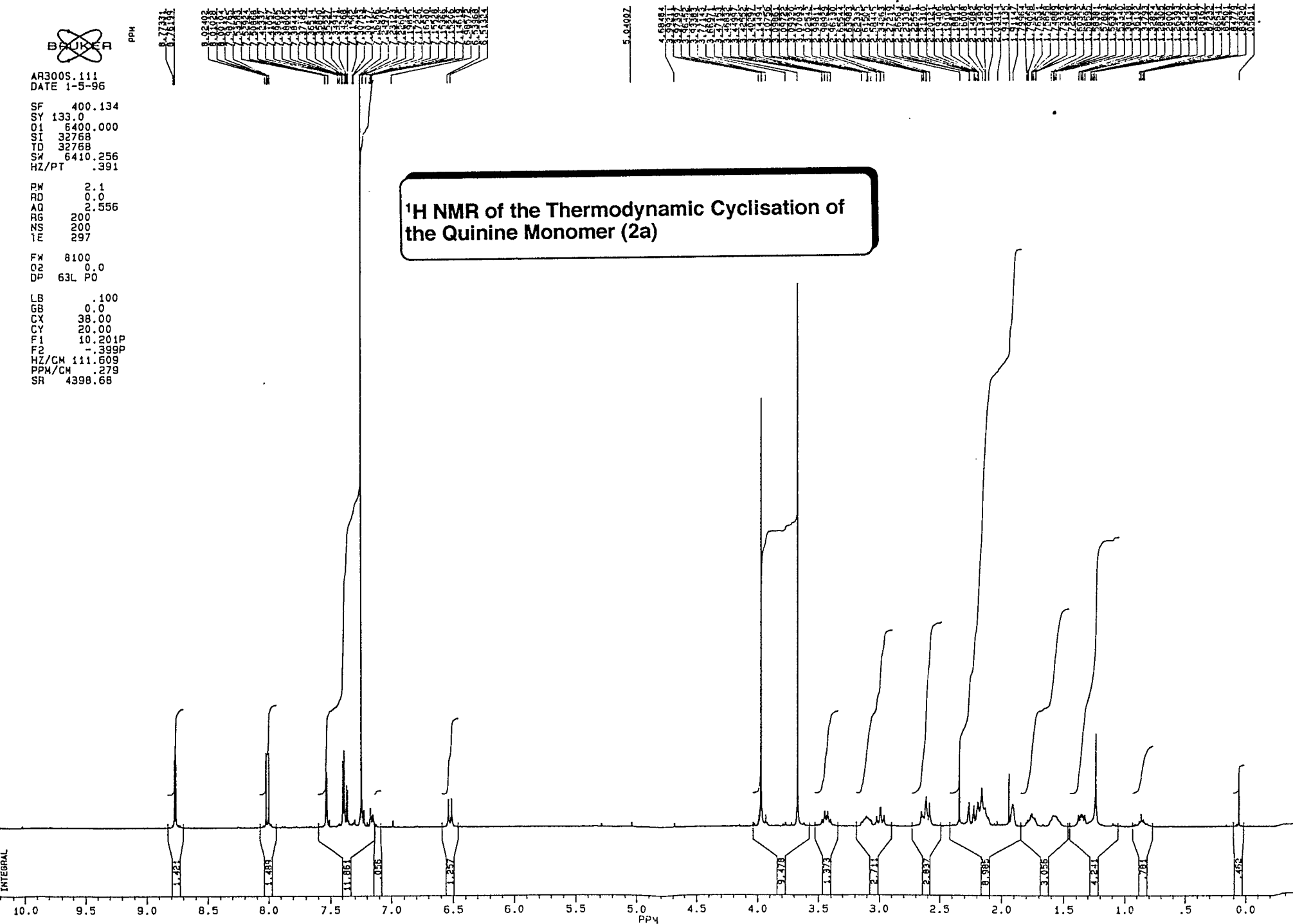
SF 400.134
SY 133.0
O1 6400.000
SI 32768
TD 32768
SW 6410.256
HZ/PT .391

PW 2.1
RD 0.0
AQ 2.556
RG 200
NS 200
TE 297

FW 8100
O2 0.0
DP 63L P0

LB .100
GB 0.0
CX 38.00
CY 20.00
F1 10.201P
F2 -.399P
HZ/CM 111.609
PPM/CM .279
SR 4398.68

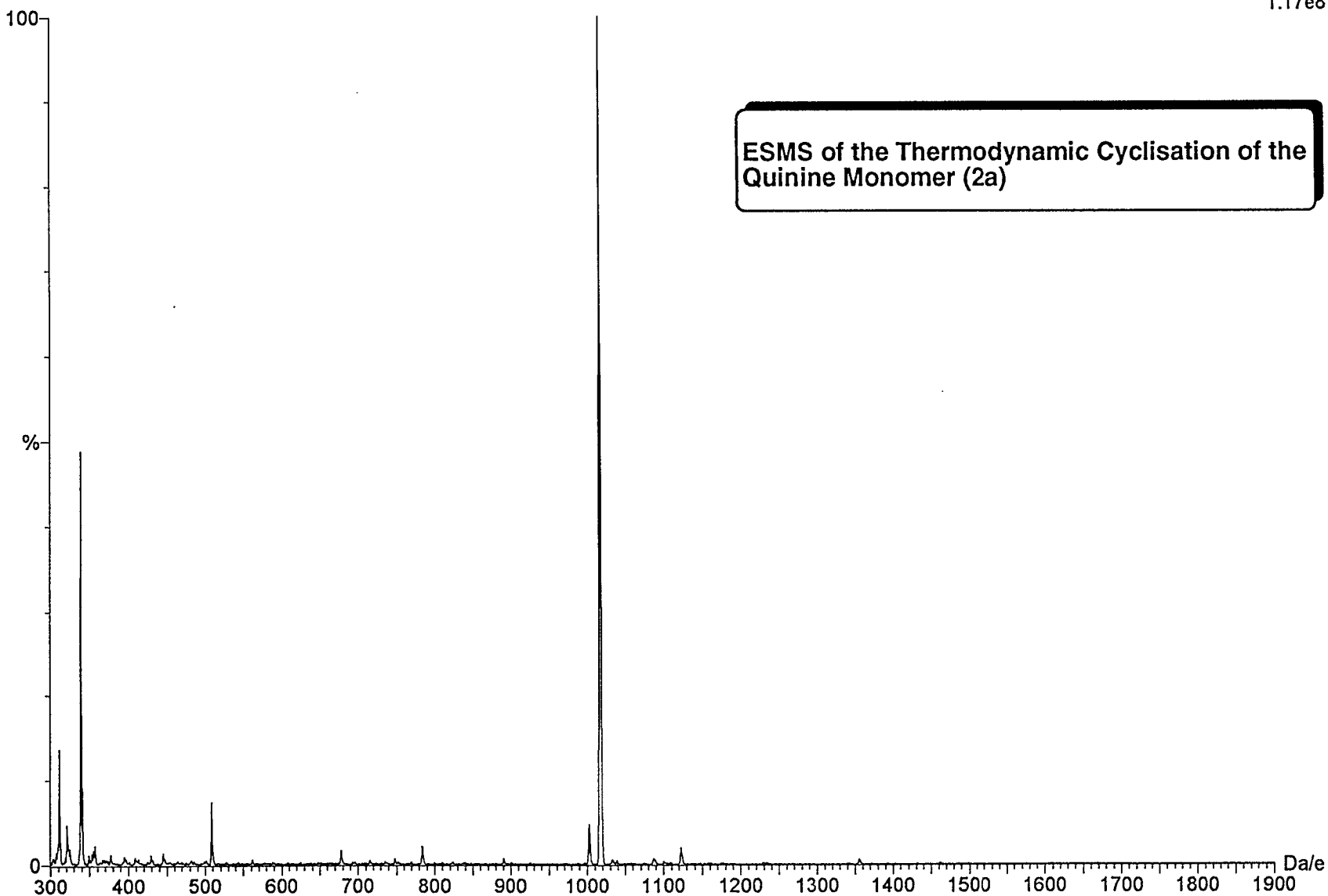
**¹H NMR of the Thermodynamic Cyclisation of
the Quinine Monomer (2a)**



Quinine Thermodynamic

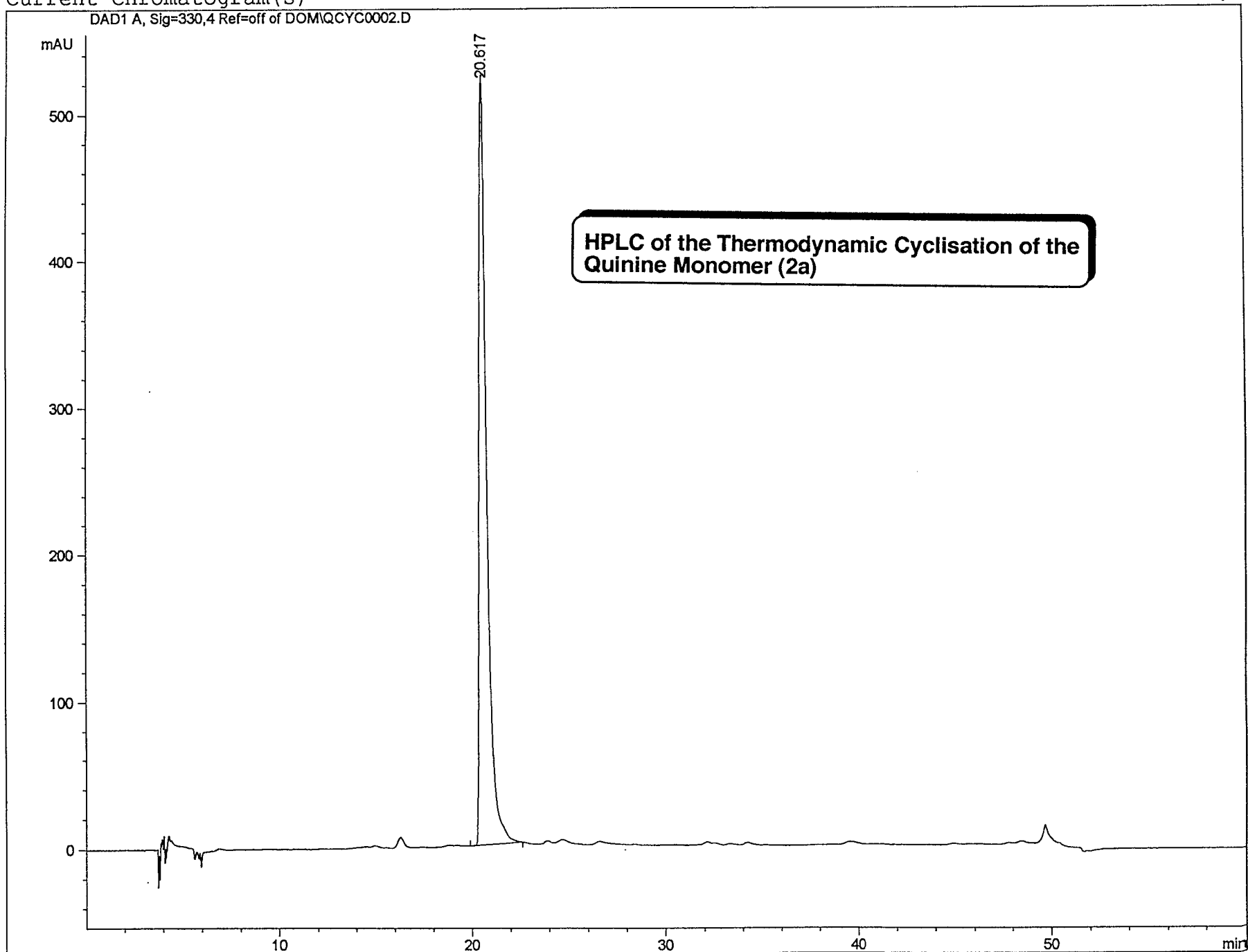
STU1 1 (4.044) Sm (Mn, 2x1.25); Sb (0,40.00)

Scan ES+
1.17e8



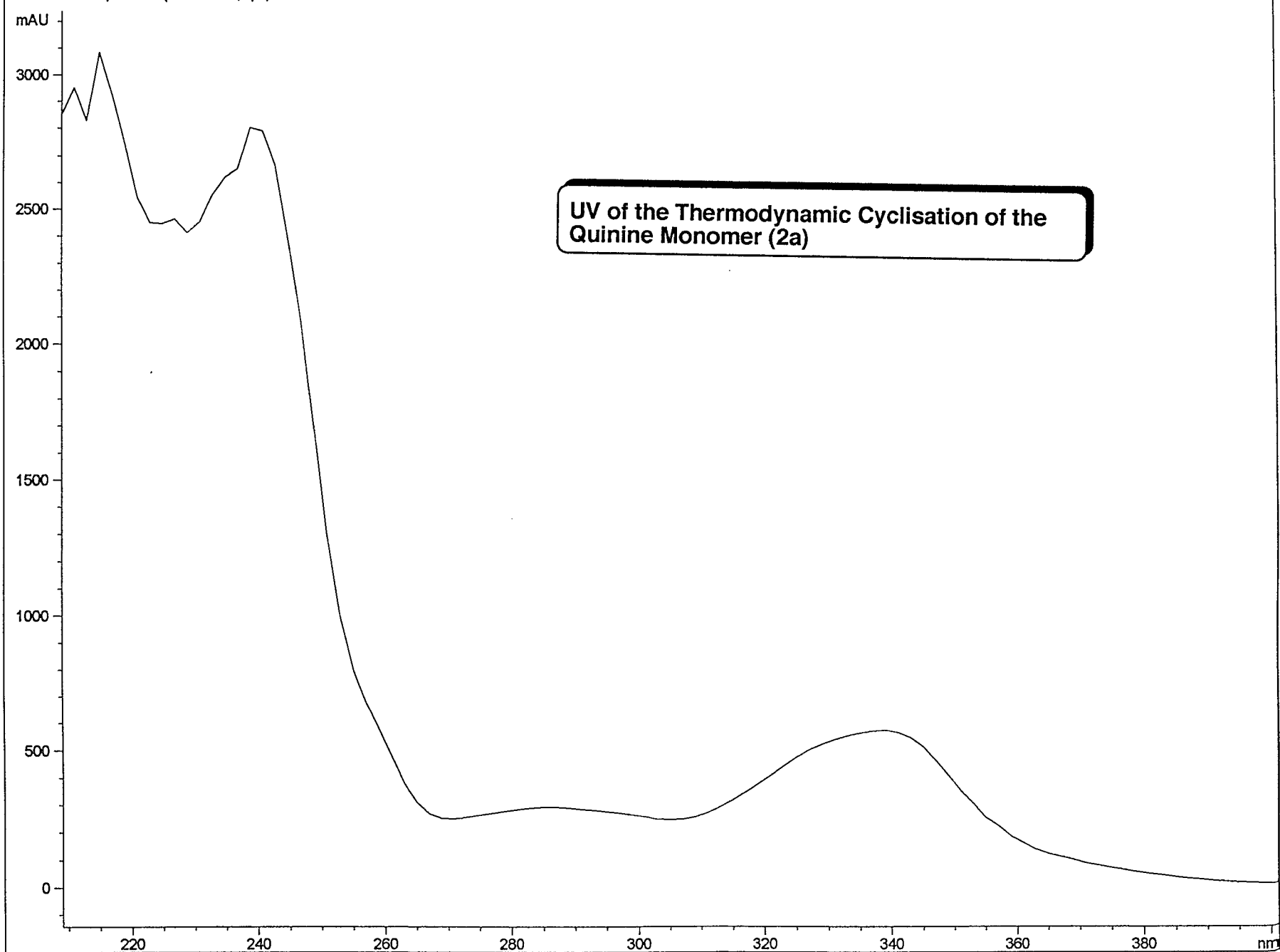
Current Chromatogram(s)

DAD1 A, Sig=330,4 Ref=off of DOMQCYC0002.D



Original spectrum(a)

DAD1, 20.618 (3075 mAU, Apx) of QCYC0002.D



UV of the Thermodynamic Cyclisation of the
Quinine Monomer (2a)



SE0705.107
AU PROG:
X00.AU
DATE 7-9-95

SF 250.133
SY 100.0
O1 4357.549
SI 32768
TD 32768
SW 5000.000
HZ/PT .305

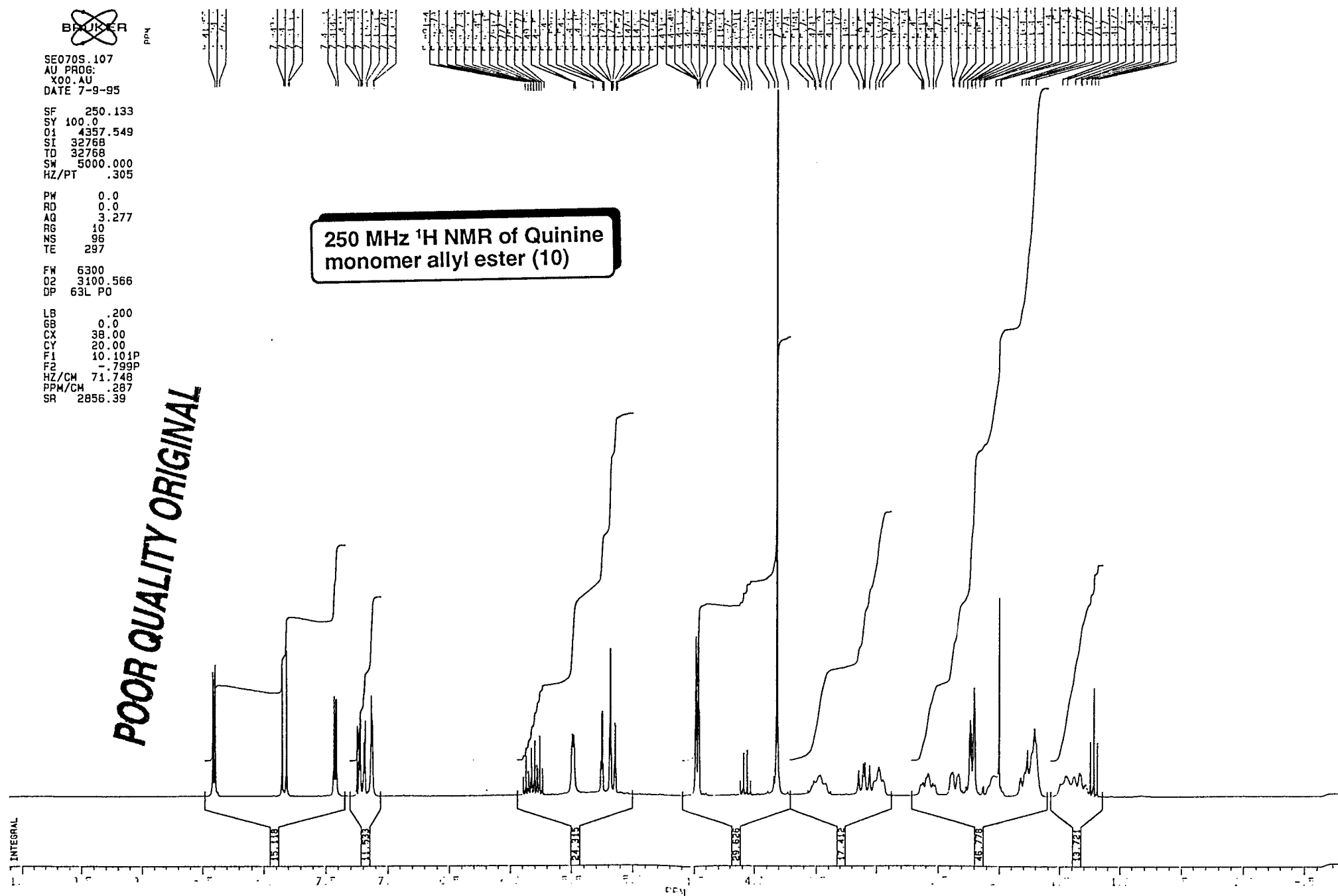
PW 0.0
RD 0.0
AQ 3.277
RG 10
NS 96
TE 297

FW 6300
O2 3100.566
DP 63L P0

LB .200
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -799P
HZ/CM 71.748
PPM/CM 287
SR 2856.39

250 MHz ^1H NMR of Quinine
monomer allyl ester (10)

POOR QUALITY ORIGINAL



FOUR QUALITY ORIGINAL



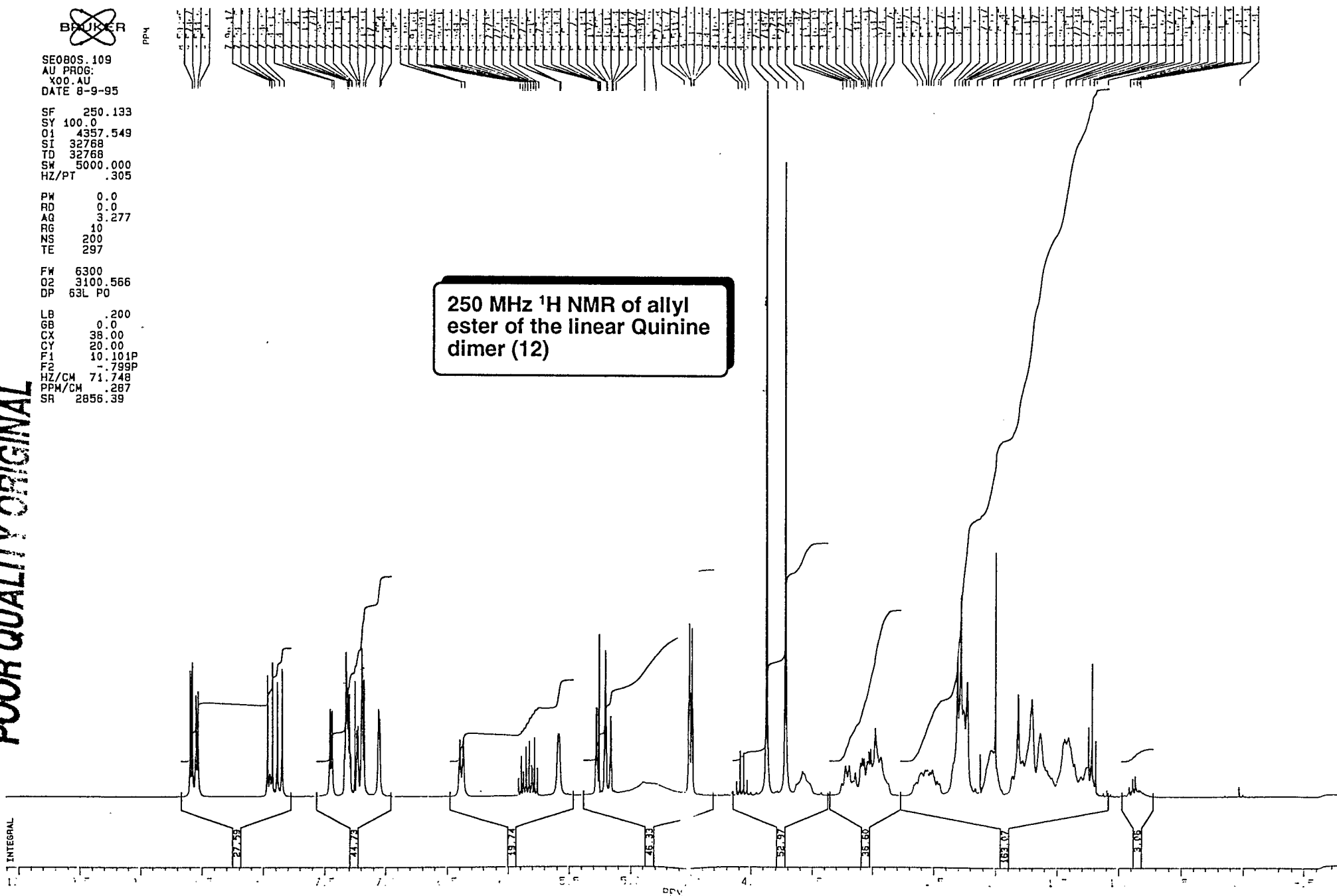
SE0805.109
AU PROG:
X00. AU
DATE 8-9-95

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SY 100.0
O1 4357.549
SI 32768
TD 32768
SW 5000.000
HZ/PT .305
PW 0.0
RD 0.0
AQ 3.277
RG 10
NS 200
TE 297

FW 6300
O2 3100.566
DP 63L P0

LB .200
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -799P
HZ/CM 71.748
PPM/CM 287
SR 2856.39

250 MHz ^1H NMR of allyl
ester of the linear Quinine
dimer (12)





011905.101
AU PROG:
X00.AU
DATE 19-10-95

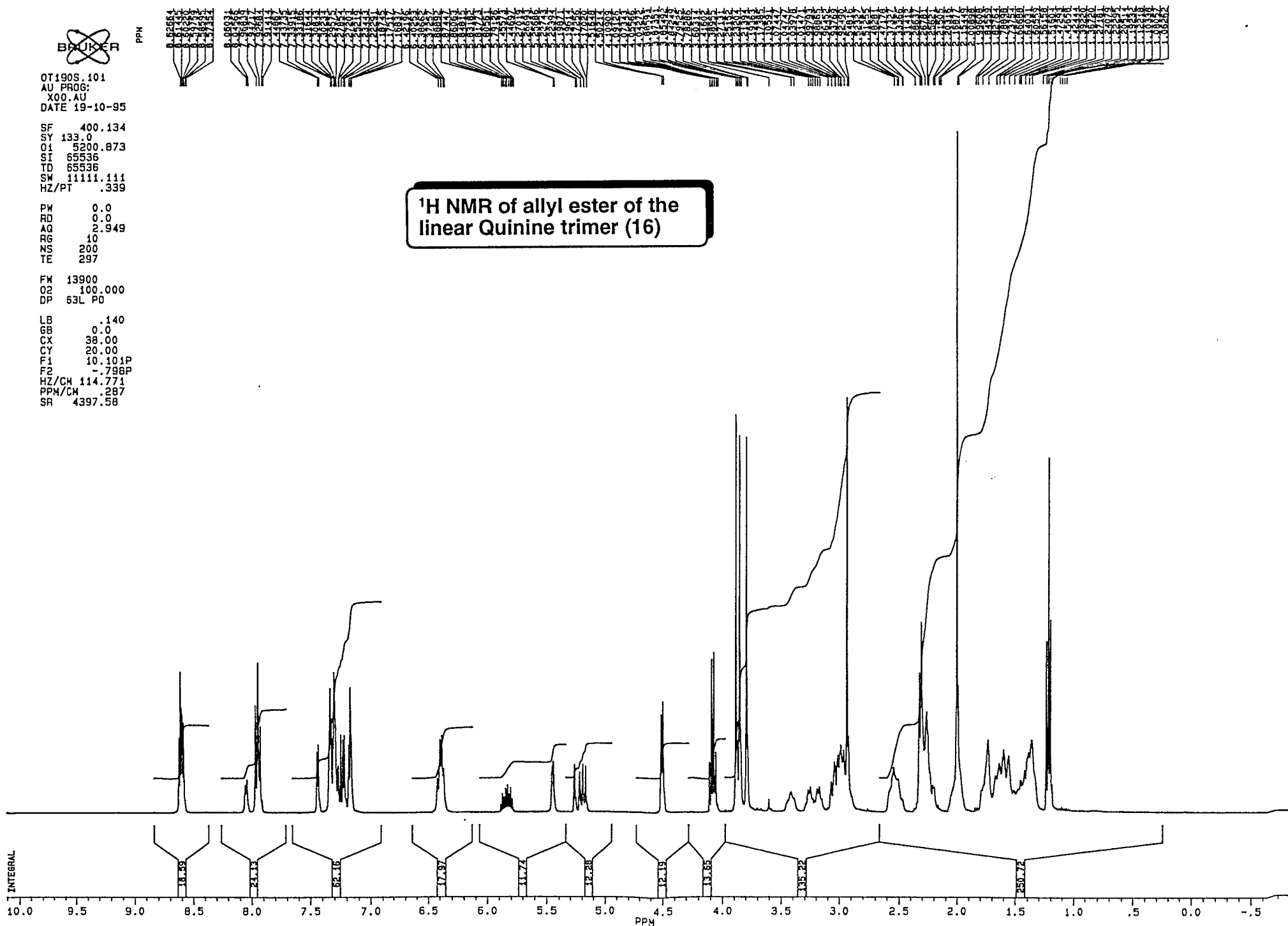
SF 400.134
SY 133.0
Q1 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 10
NS 200
TE 297

FW 13900
Q2 100.000
DP 63L P0

LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -.798P
HZ/CW 114.771
PPM/CW .287
SR 4397.58

**¹H NMR of allyl ester of the
linear Quinine trimer (16)**





NV290S.106
AU PROG:
X00.AU
DATE 30-11-95

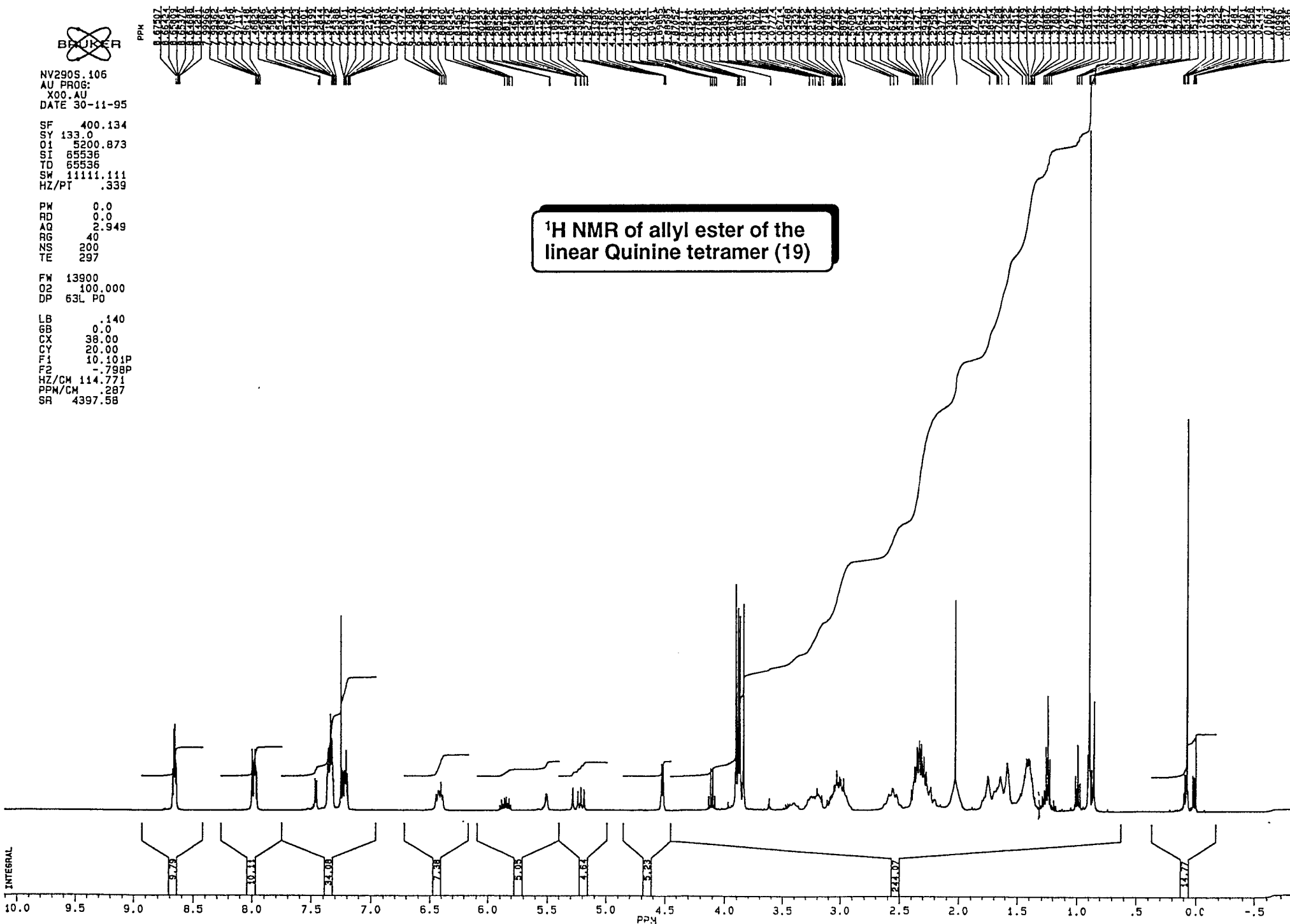
SF 400.134
SY 133.0
O1 5200.873
SI 85536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 40
NS 200
TE 297

FW 13900
O2 100.000
DP 63L P0

LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -.798P
HZ/CM 114.771
PPM/CM .287
SR 4397.58

¹H NMR of allyl ester of the
linear Quinine tetramer (19)





JU070S.102
AU PROG:
X00.AU
DATE 7-7-95

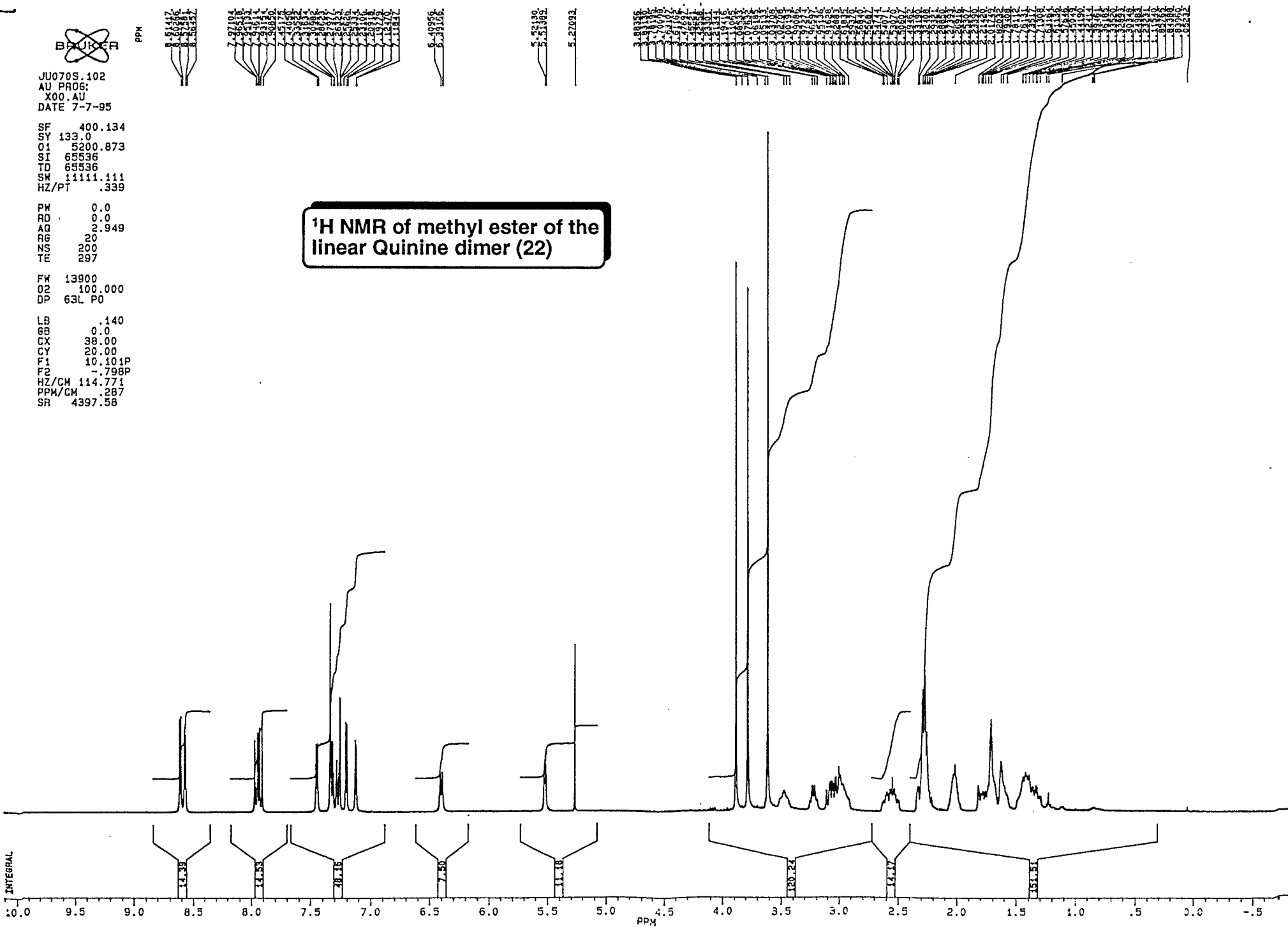
SF 400.134
SY 133.0
OI 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 20
NS 200
TE 297

FW 13900
O2 100.000
DP 63L P0

LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.101P
F2 -.798P
HZ/CM 114.771
PPM/CM .287
SR 4397.58

**¹H NMR of methyl ester of the
linear Quinine dimer (22)**





MR270F.111
DATE 28-3-96

SF 400.134
SY 133.0
O1 6400.000
SI 32768
TD 32768
SW 6410.256
HZ/PT .391

PW 2.1
RD 0.0
AQ 2.556
RG 400
NS 160
TE 297

FW 8100
O2 0.0
DP 63L PO

LB .100
GB 0.0
CX 38.00
CY 20.00
F1 10.201P
F2 -.399P
HZ/CM 111.609
PPM/CM .279
SR 4398.68

**¹H NMR of the Kinetic Cyclisation of the
Quinine Monomer (8)**

INTEGRAL

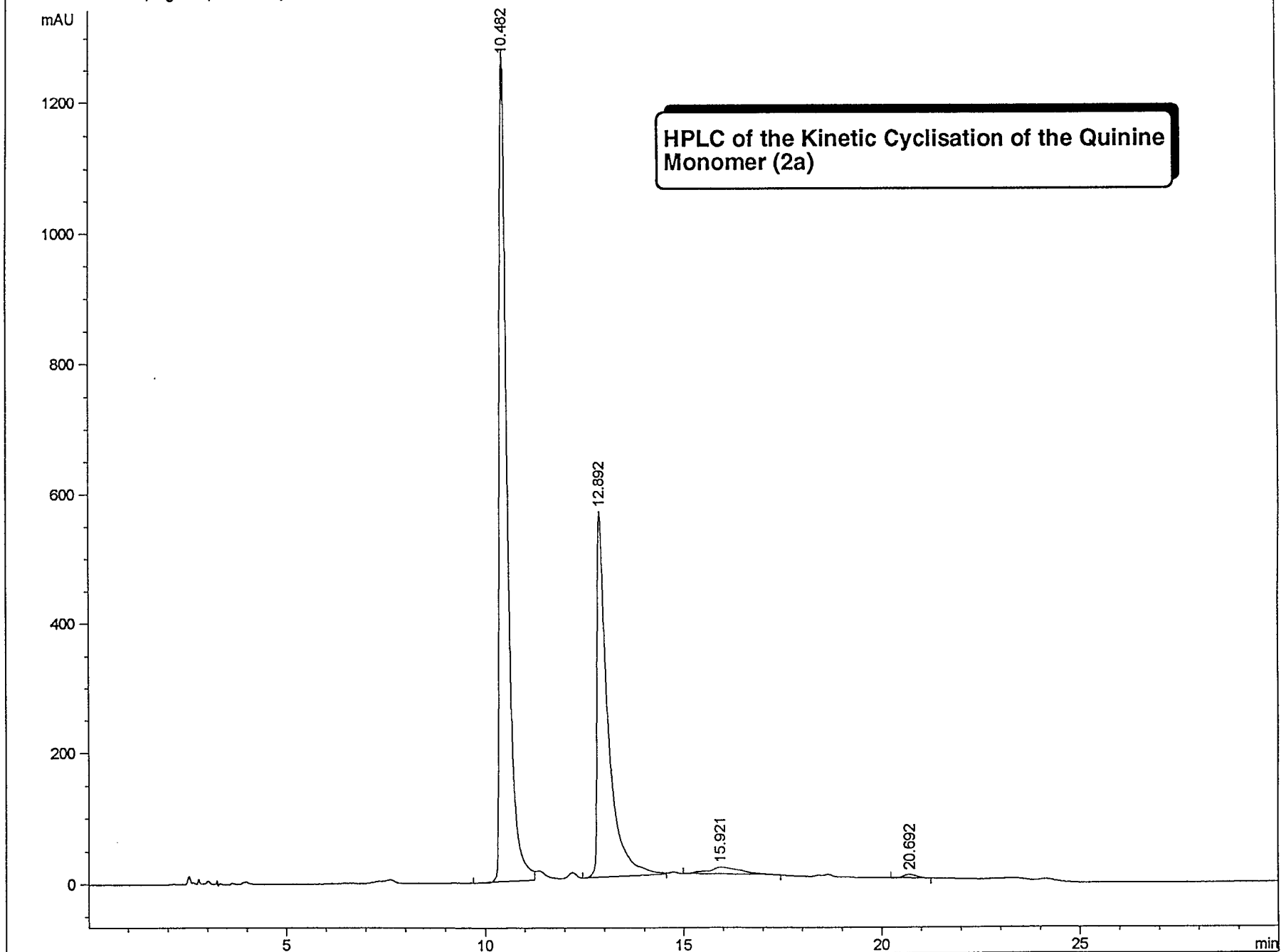
10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 .5 0.0

PPM

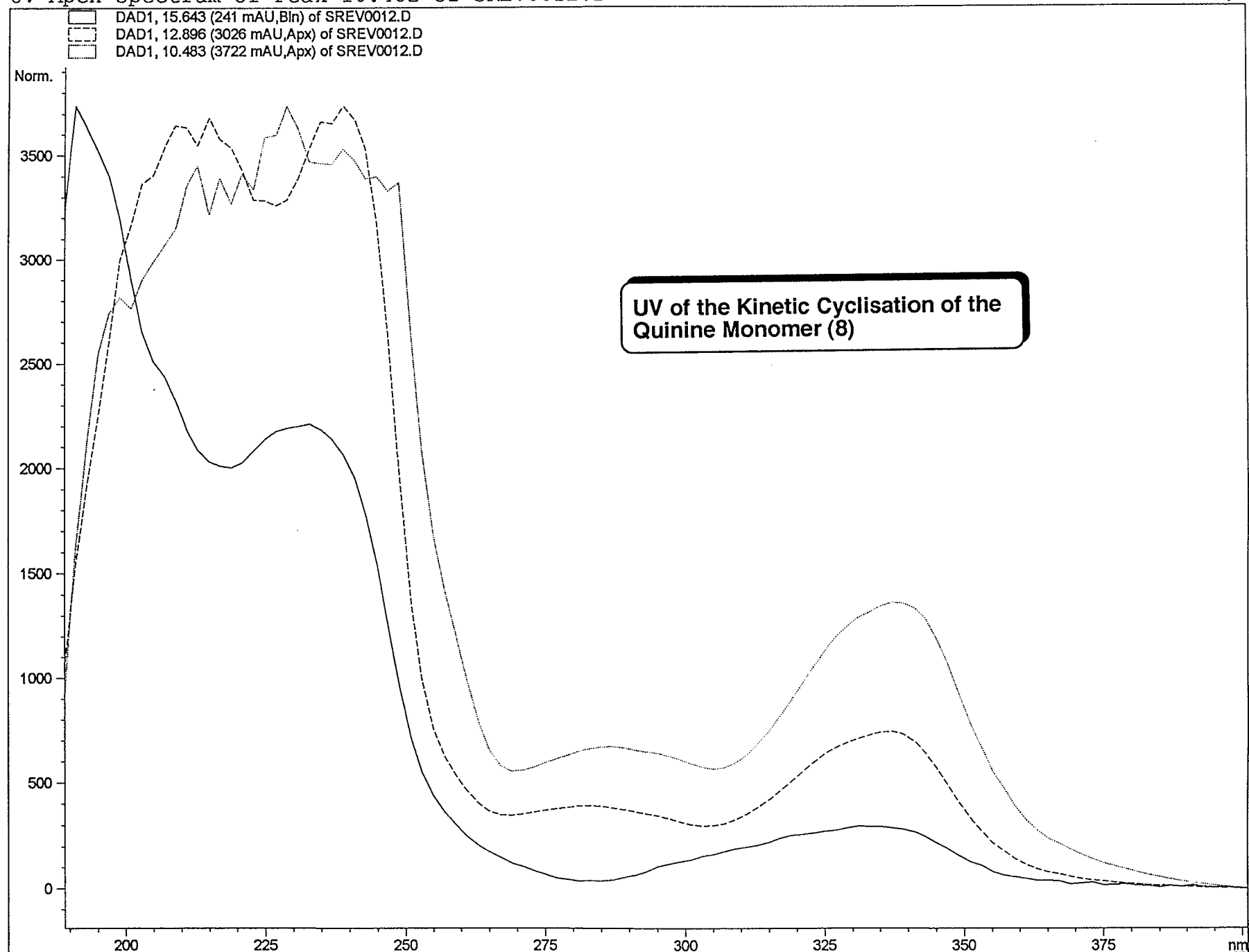
2.883 4.041 20.550 2.548 3.142 17.651 6.387 19.172 11.982 1.221 5.353

Current Chromatogram(s)

DAD1 A, Sig=330,4 Ref=550,100 of STUREVSREV0012.D



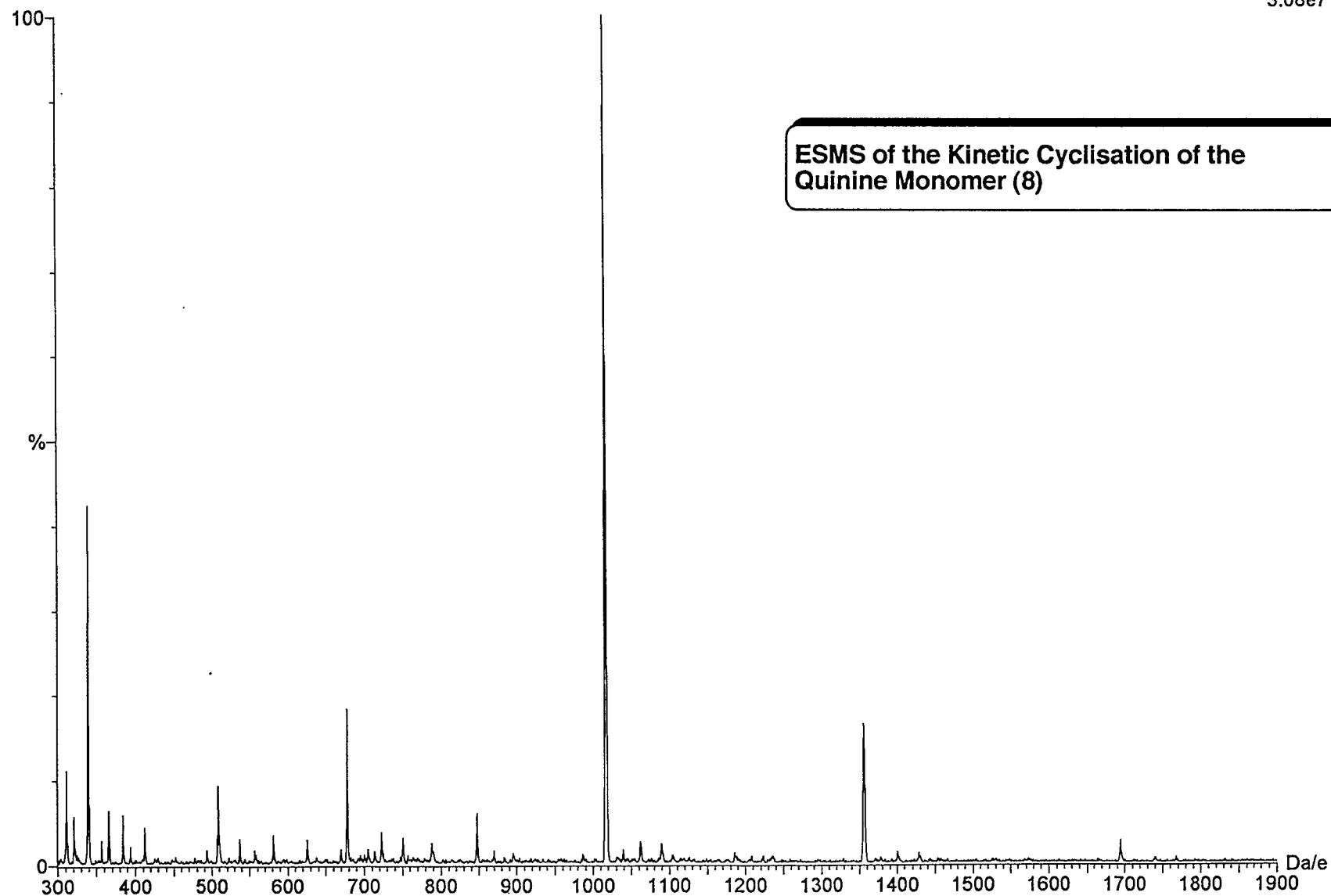
UV Apex spectrum of Peak 10.482 of SREV0012.D



Quinine Kinetic

STU2 1 (2.475) Sm (Mn, 2x1.25)

Scan ES+
3.08e7





MR250S.112
DATE 26-3-96

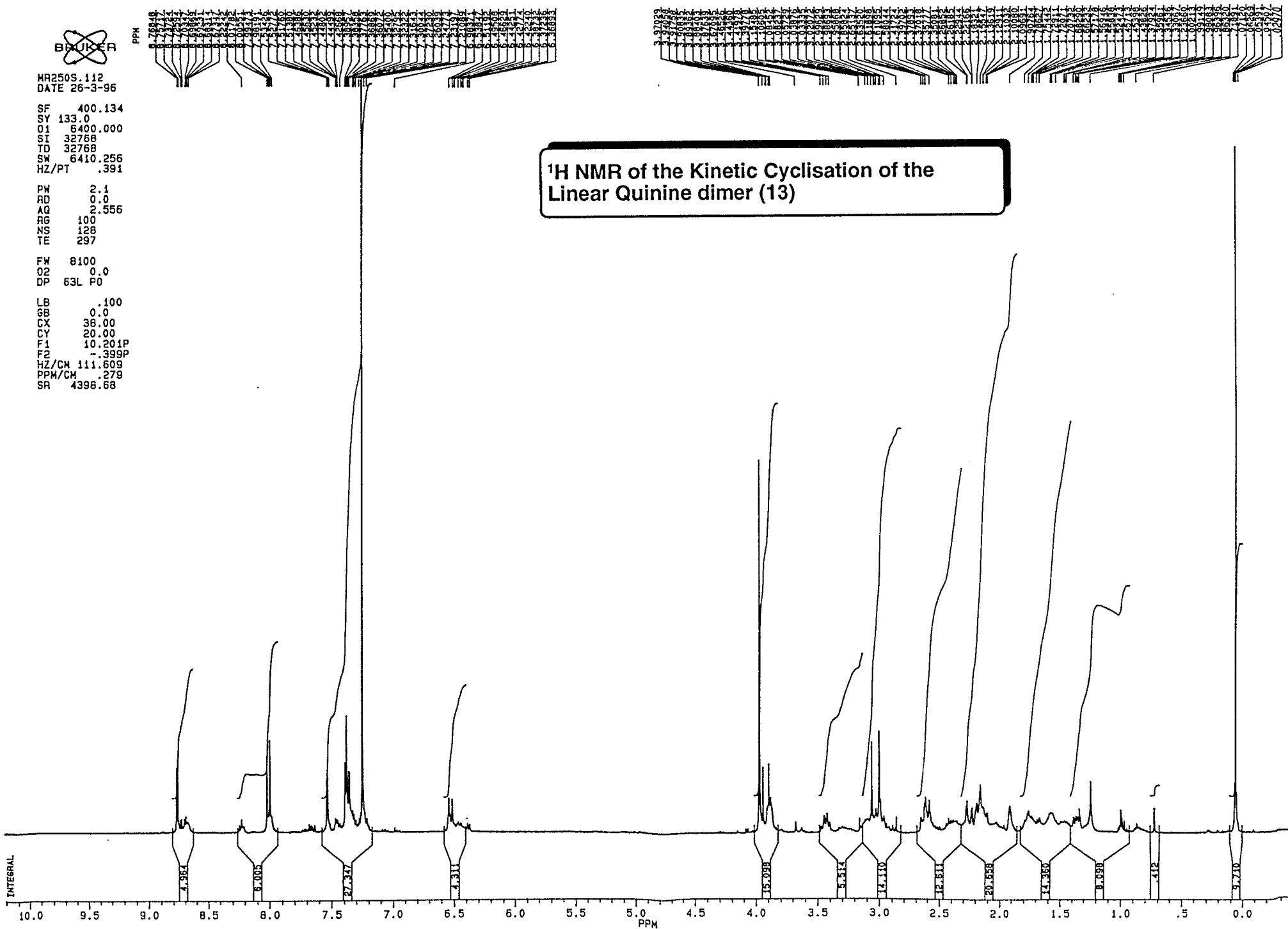
SF 400.134
SY 133.0
Q1 6400.000
SI 32768
TD 32768
SW 6410.256
HZ/PT .391

PH 2.1
RD 0.0
AQ 2.556
RG 100
NS 128
TE 297

FW 8100
Q2 0.0
DP 63L P0

LB .100
GB 0.0
CX 38.00
CY 20.00
F1 10.201P
F2 -.399P
HZ/CM 111.609
PPM/CM .279
SR 4398.68

**¹H NMR of the Kinetic Cyclisation of the
Linear Quinine dimer (13)**





MR210S.111
AU PRO6:
X00.AU
DATE 22-3-96

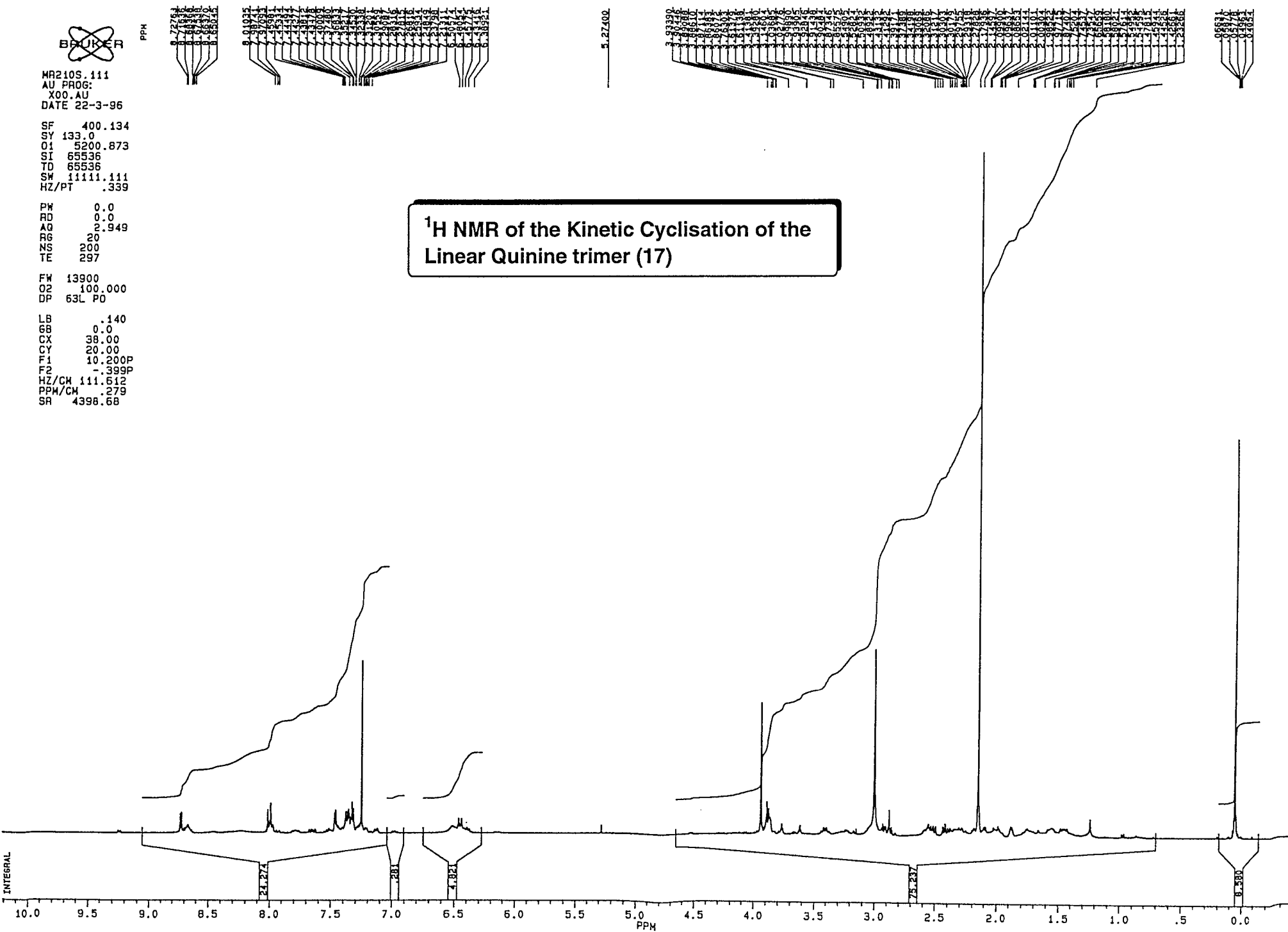
SF 400.134
SY 133.0
O1 5200.873
SI 65536
TD 65536
SW 11111.111
HZ/PT .339

PW 0.0
RD 0.0
AQ 2.949
RG 20
NS 200
TE 297

FW 13900
O2 100.000
DP 63L P0

LB .140
GB 0.0
CX 38.00
CY 20.00
F1 10.200P
F2 - .399P
HZ/CH 111.612
PPM/CH .279
SR 4398.68

¹H NMR of the Kinetic Cyclisation of the
Linear Quinine trimer (17)





HR270F.112
DATE 28-3-96

SF 400.134
SY 133.0
O1 6400.000
SI 32768
TD 32768
SW 6410.256
HZ/PT .391

PW 2.1
RD 0.0
AQ 2.556
RG 100
NS 200
TE 297

FW 8100
Q2 0.0
DP 63L P0

LB .100
GB 0.0
CX 38.00
CY 20.00
F1 10.204P
F2 -.399P
HZ/CM 111.609
PPM/CM .279
SR 4398.68

**¹H NMR of the Kinetic Cyclisation of the
Linear Quinine tetramer (20)**

