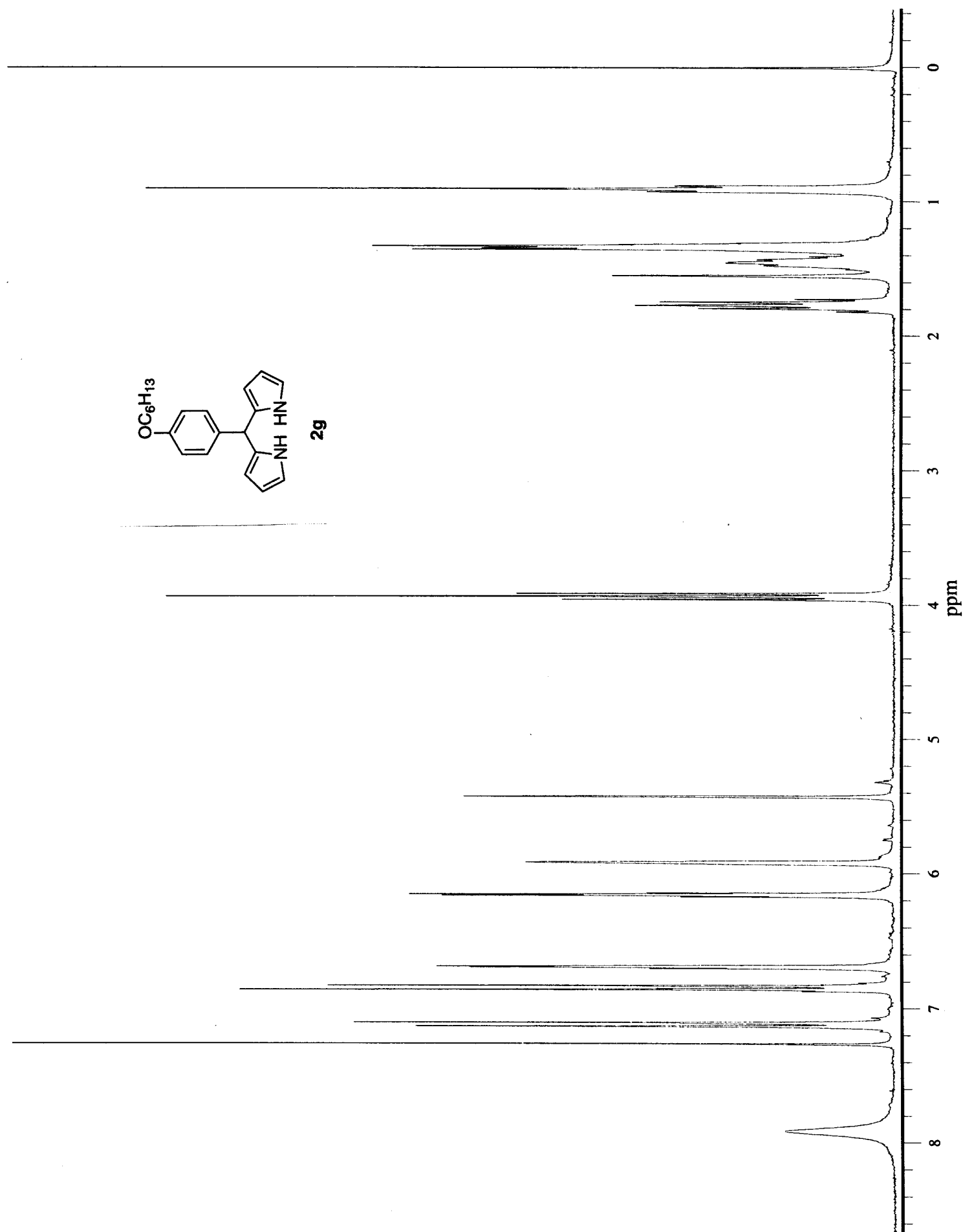
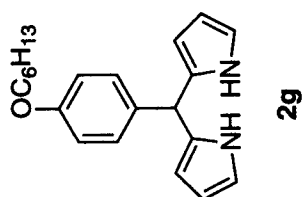
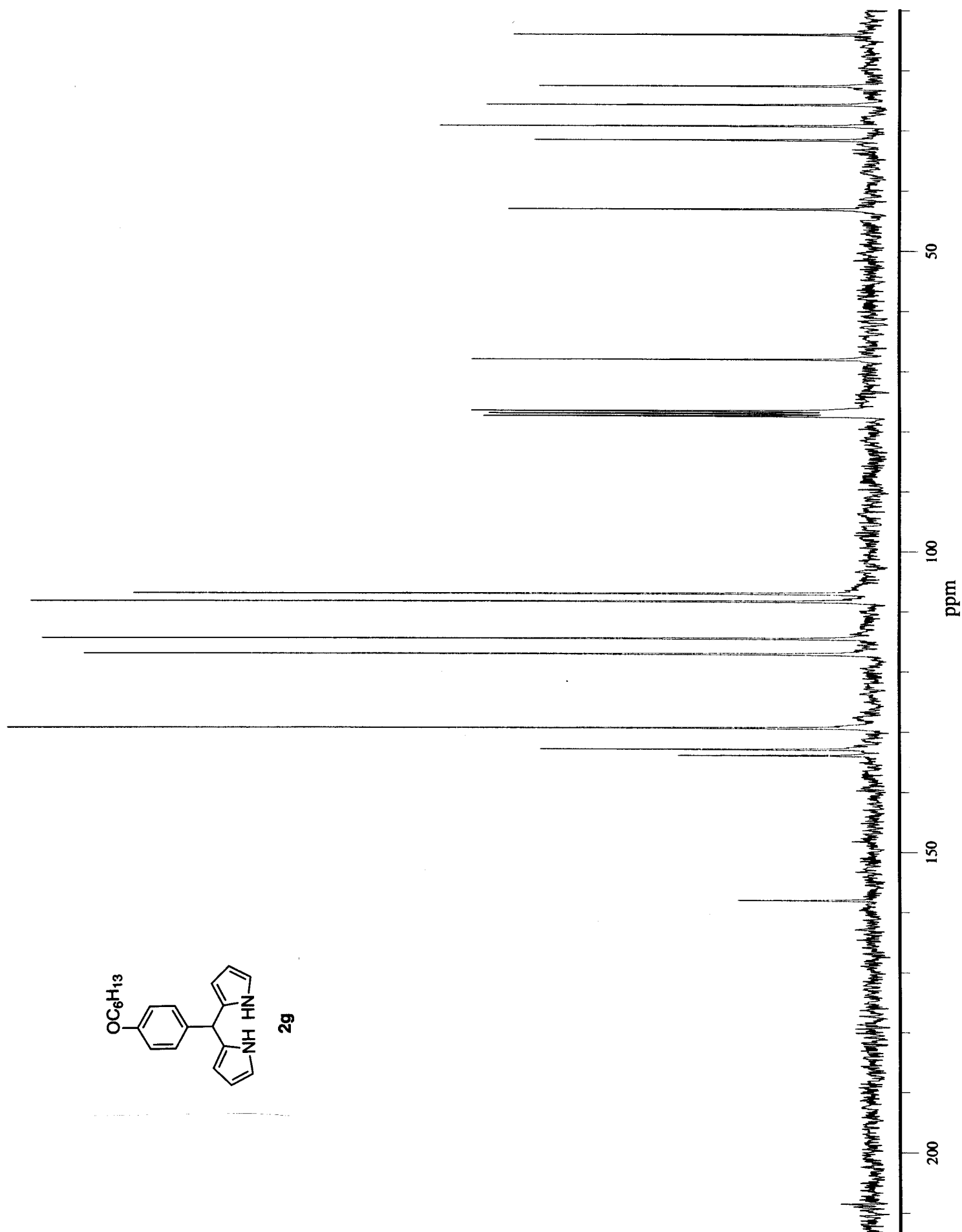
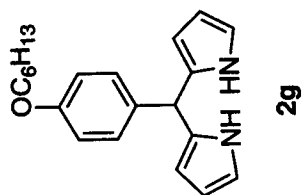
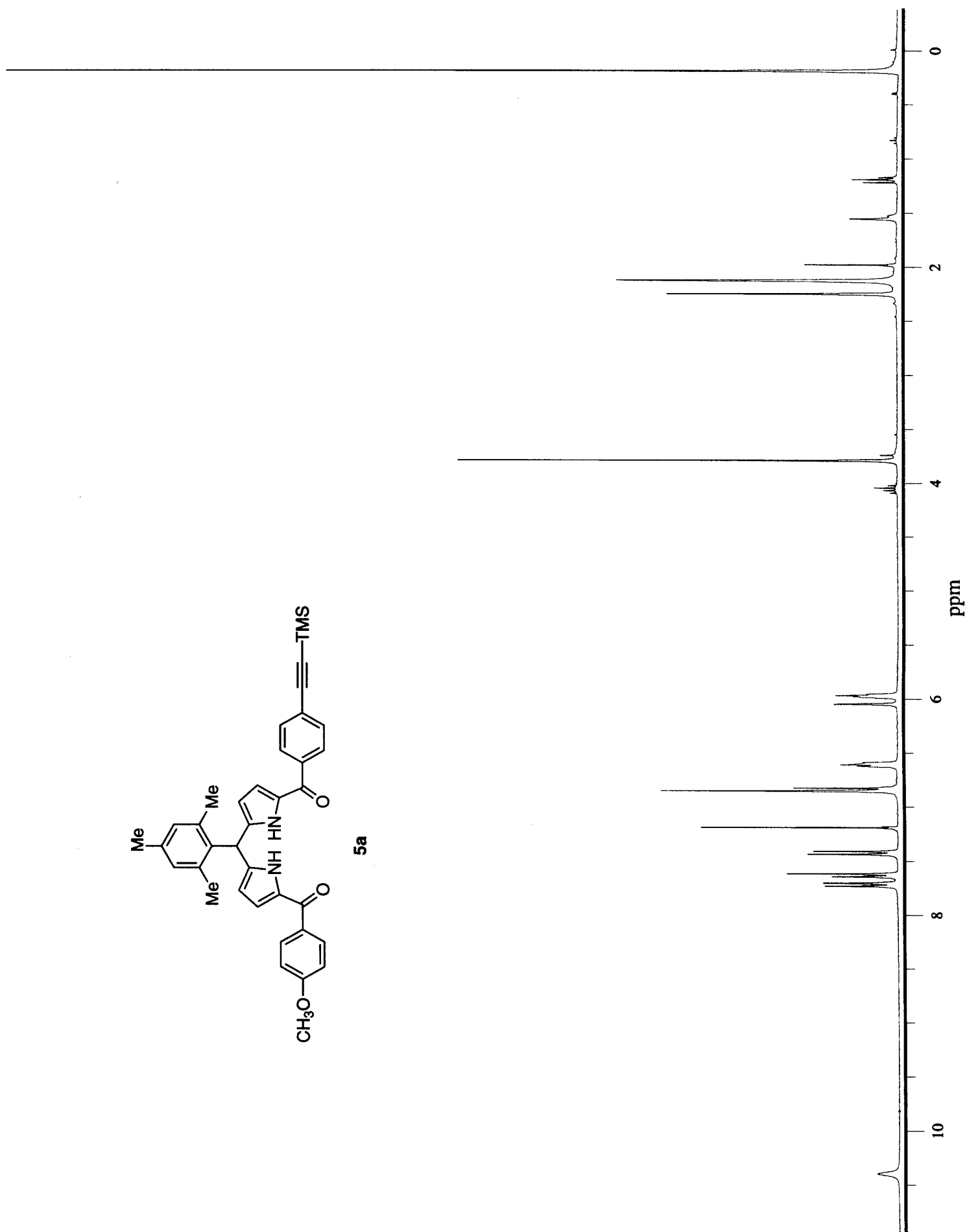
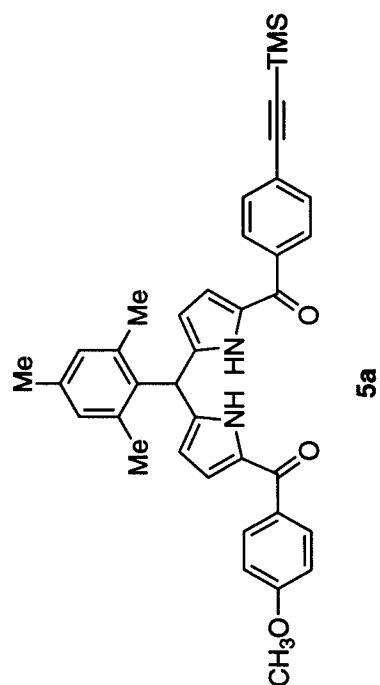
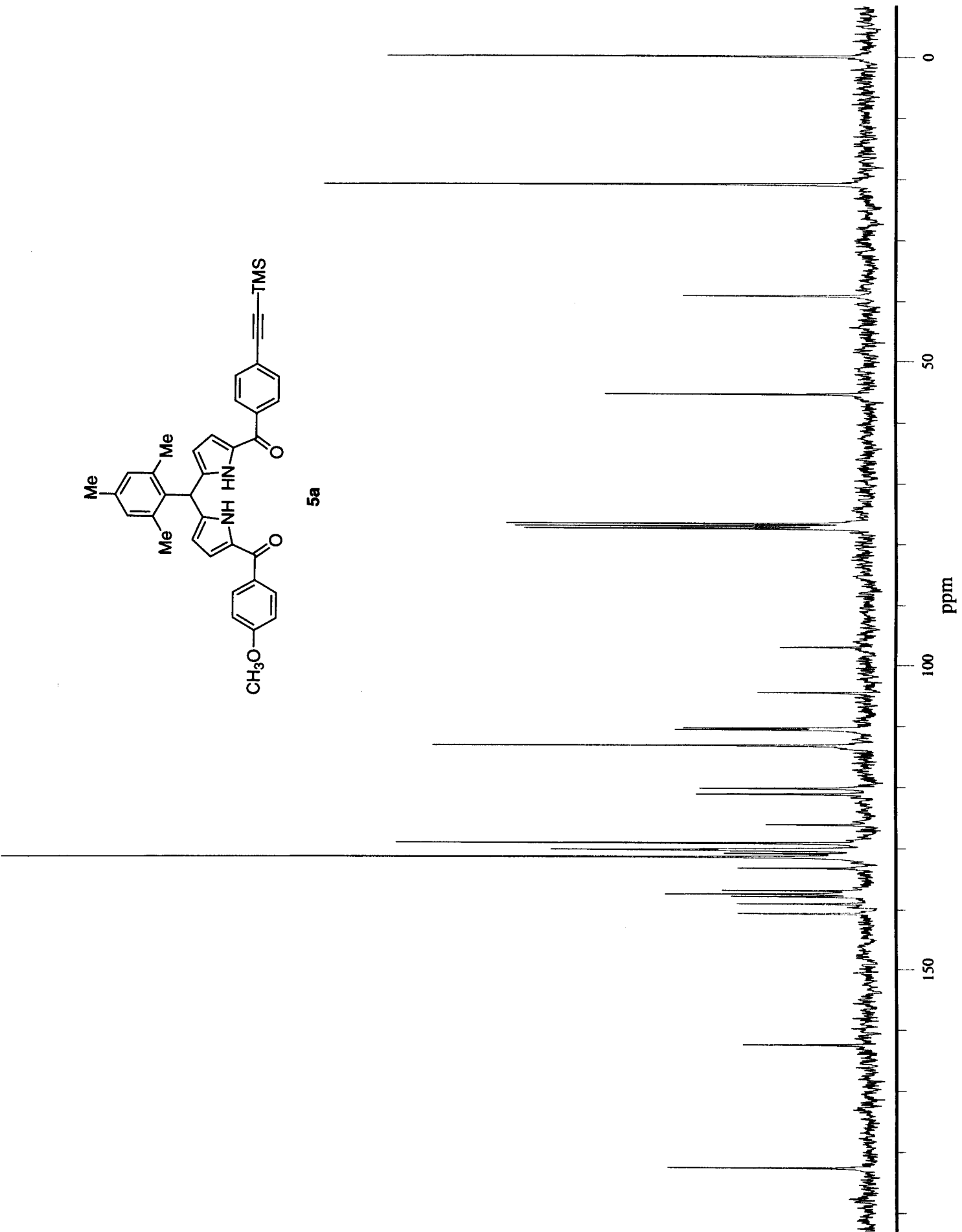
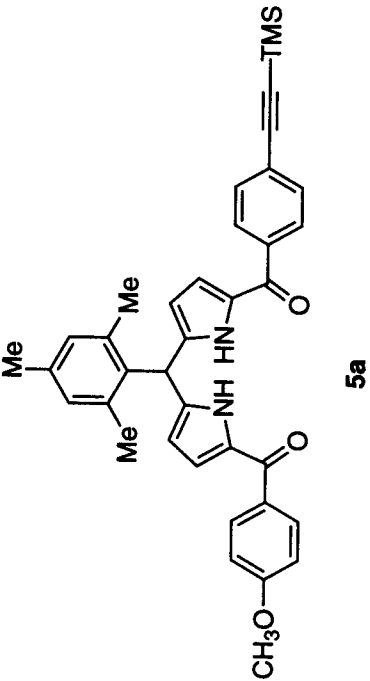
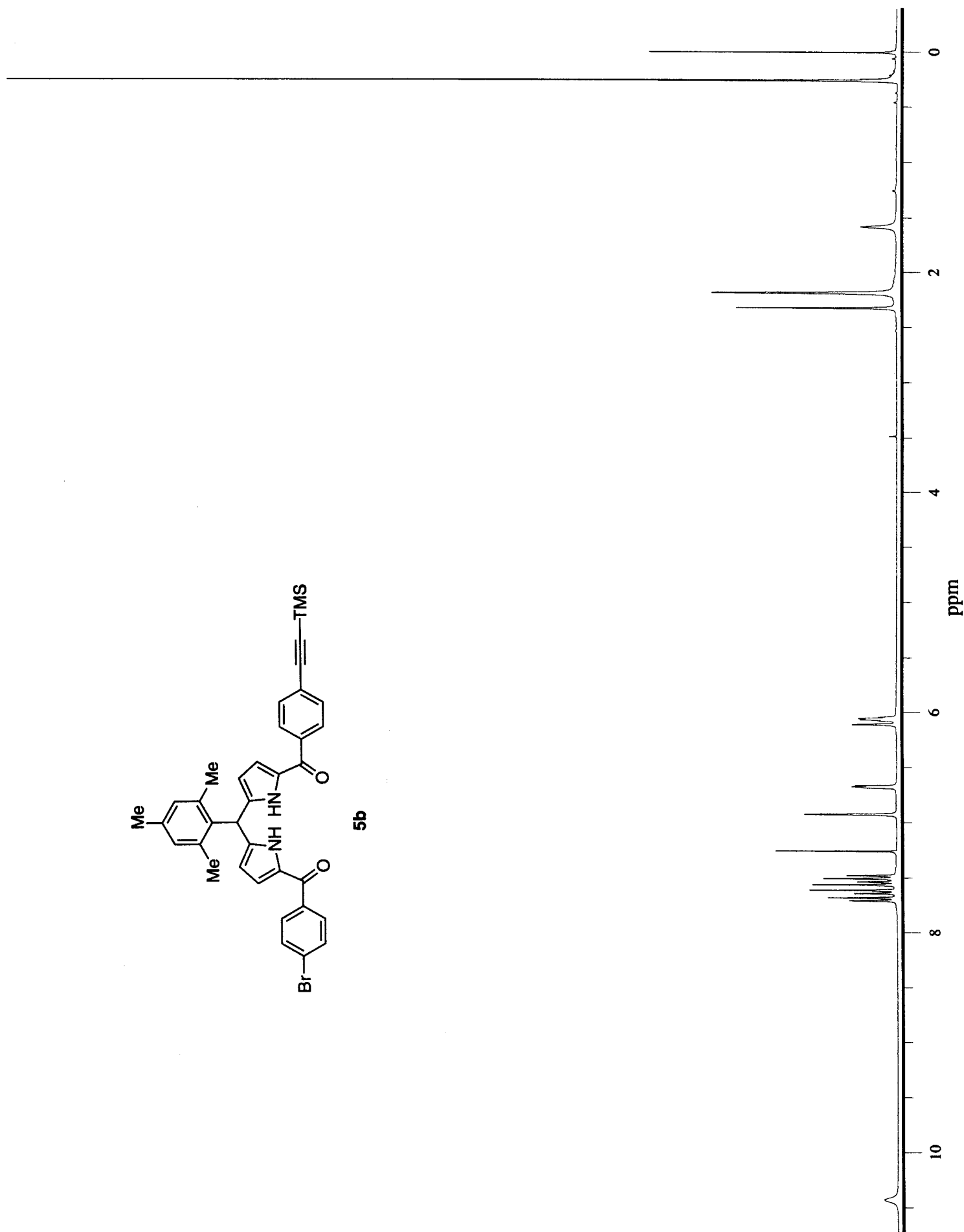
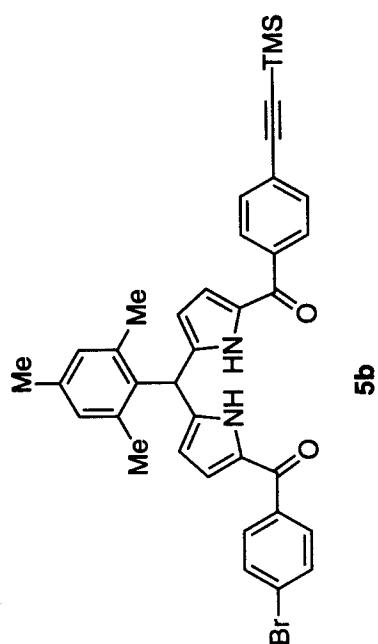


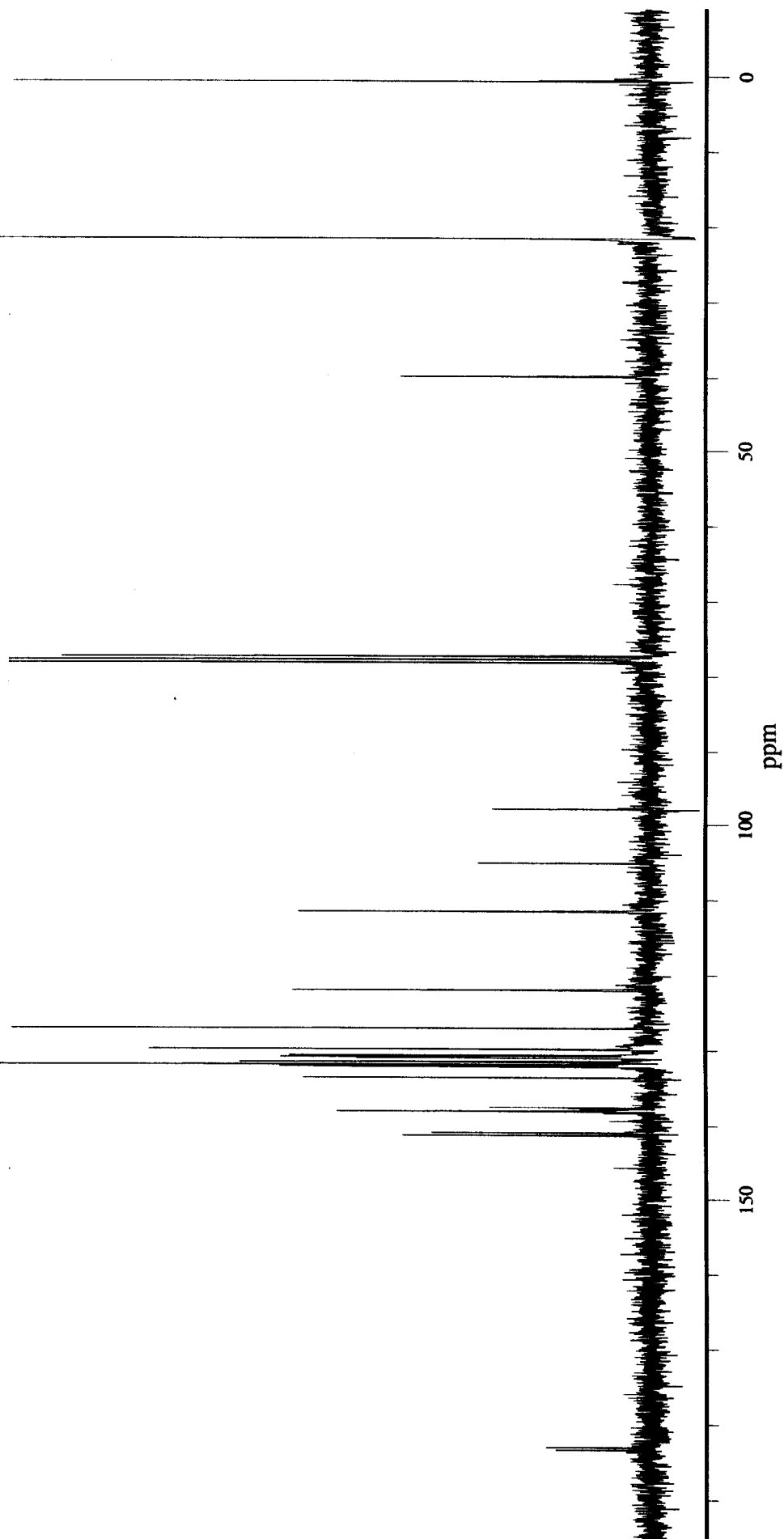
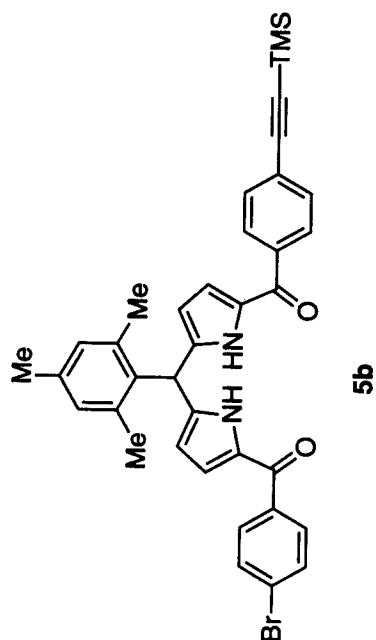


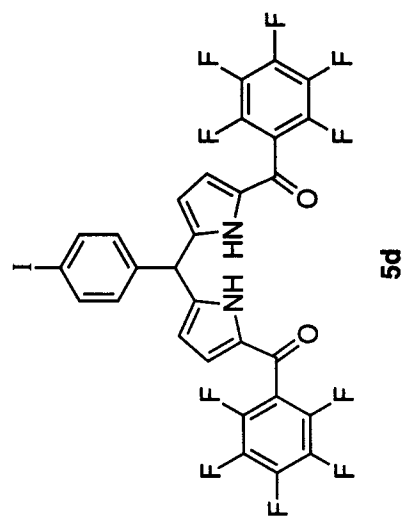




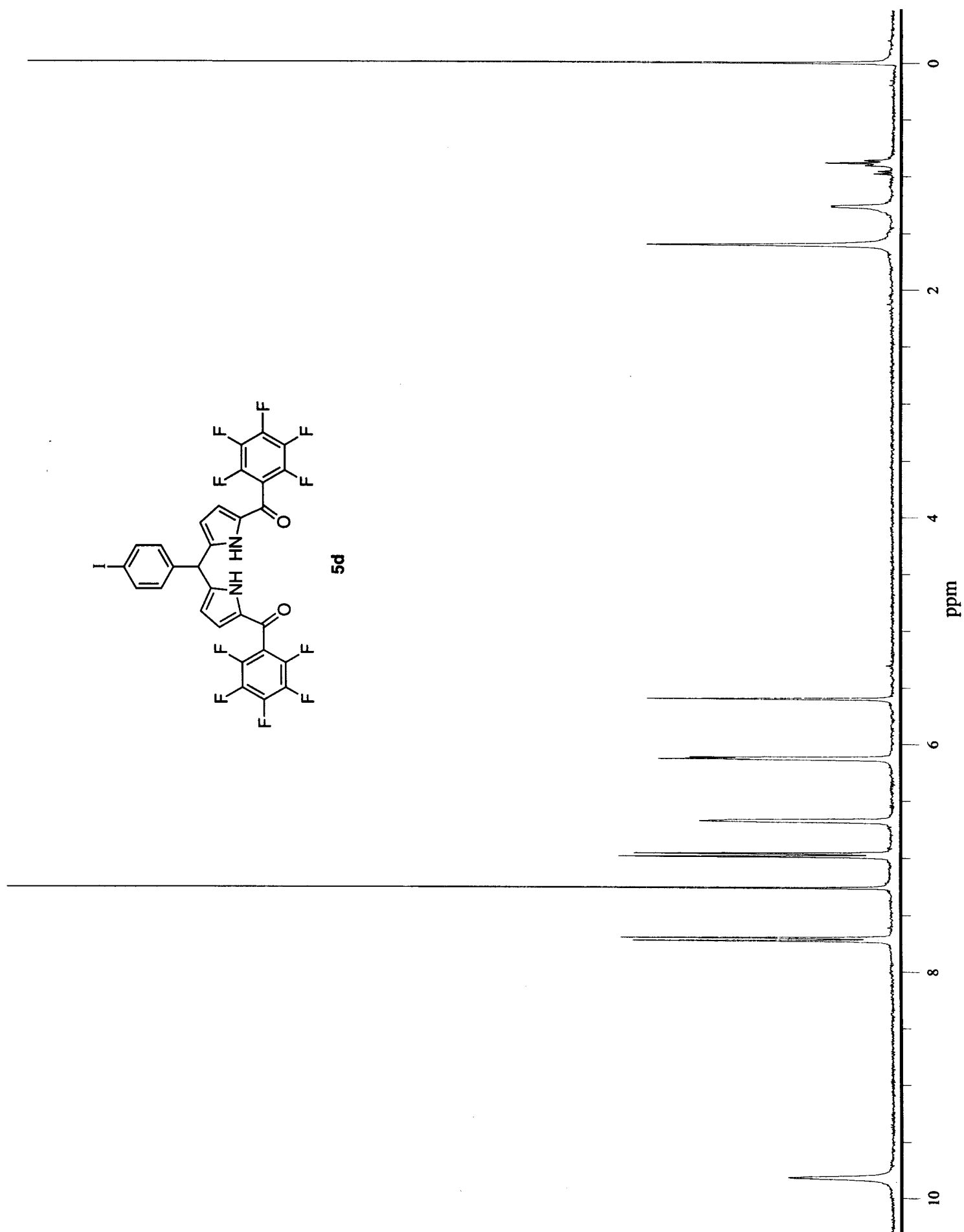


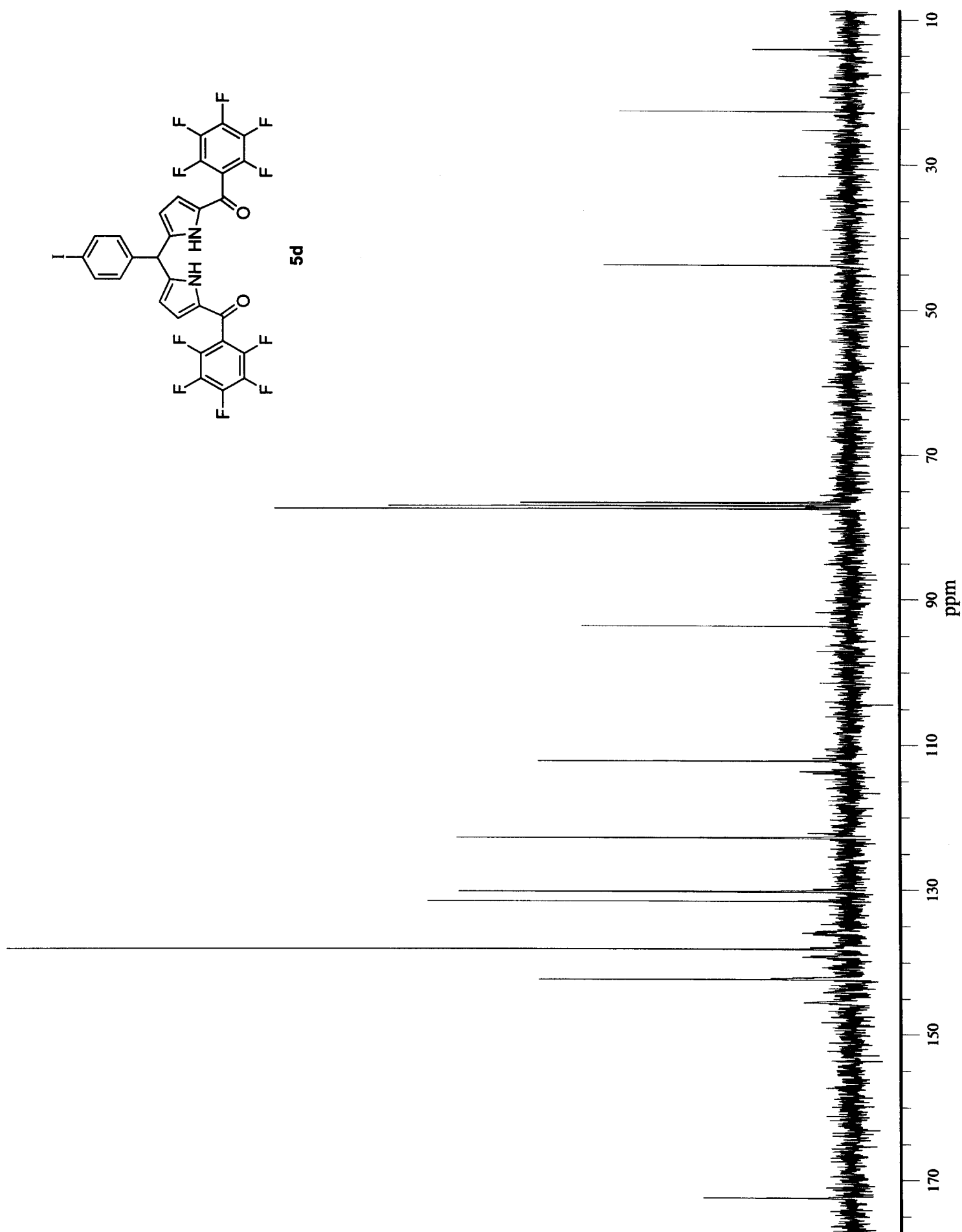
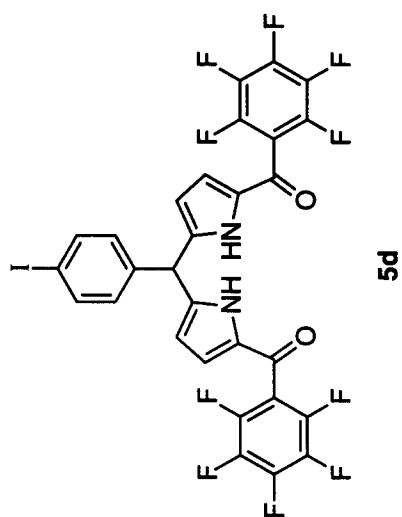


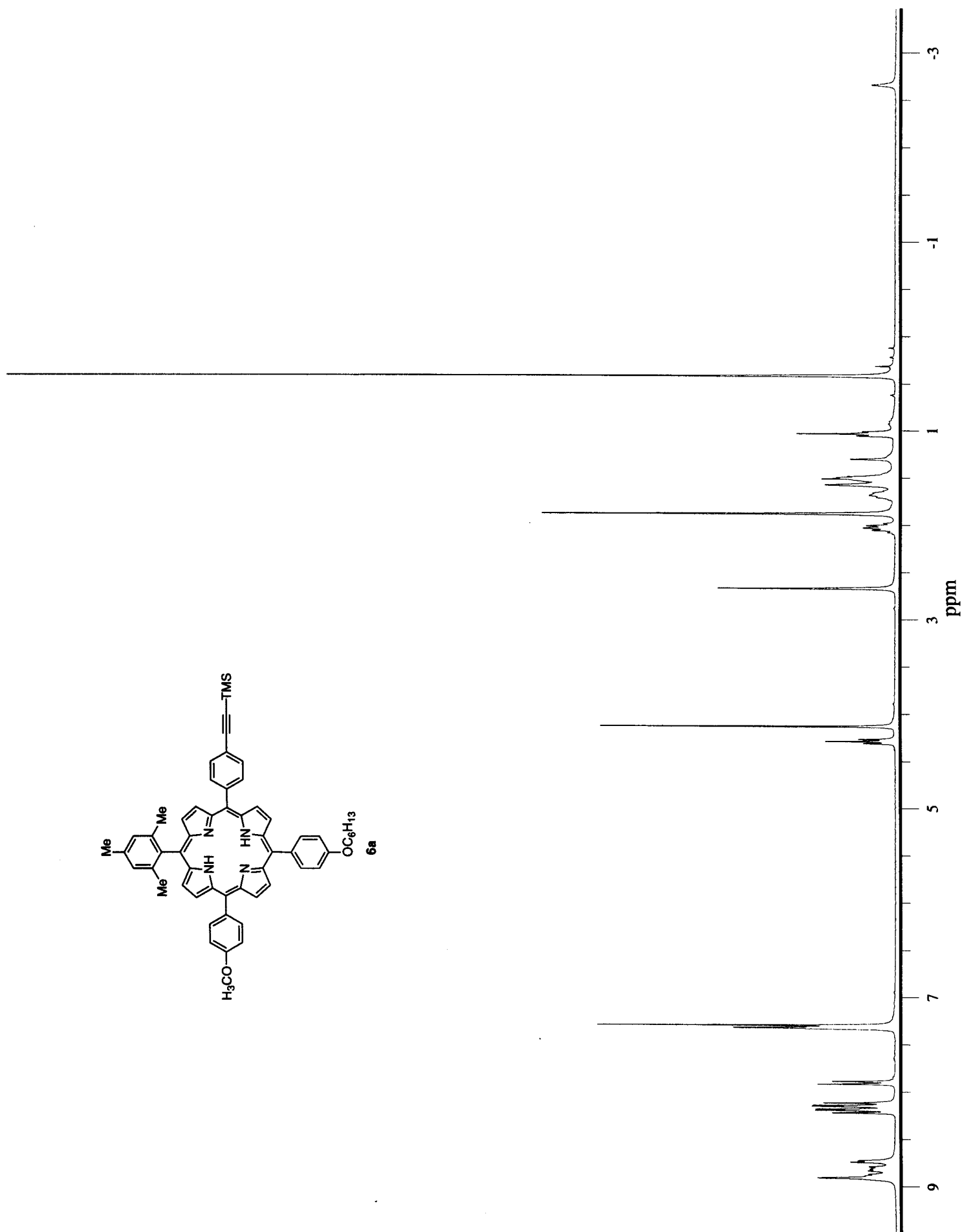
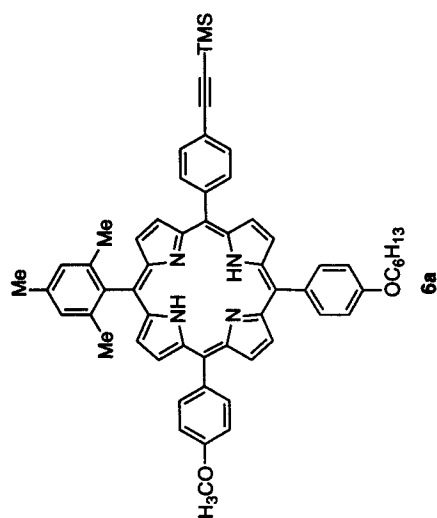


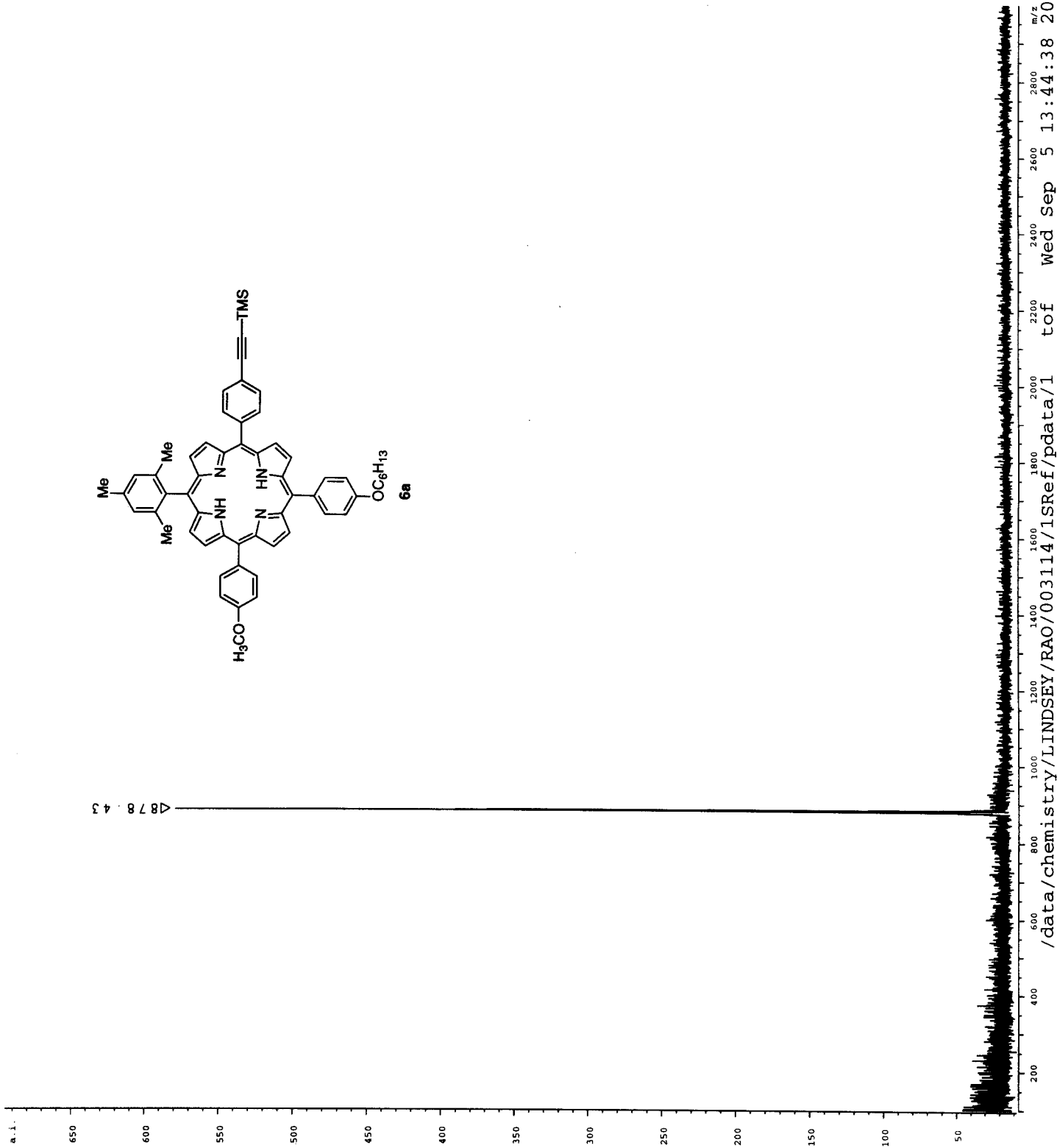


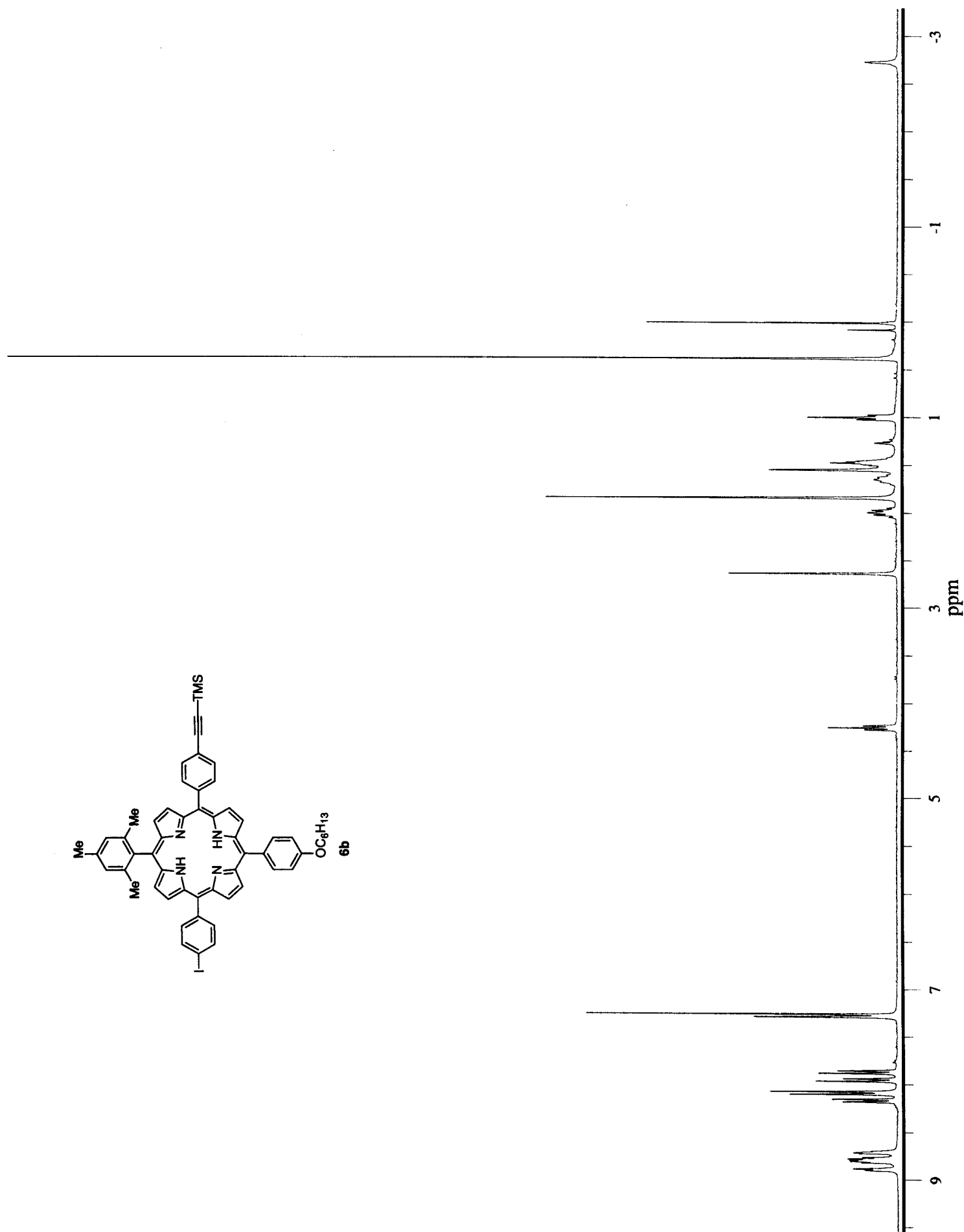
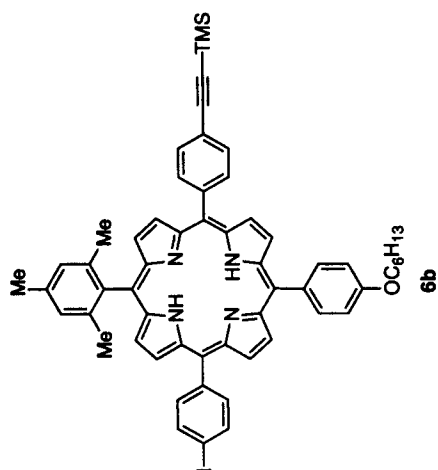
5d

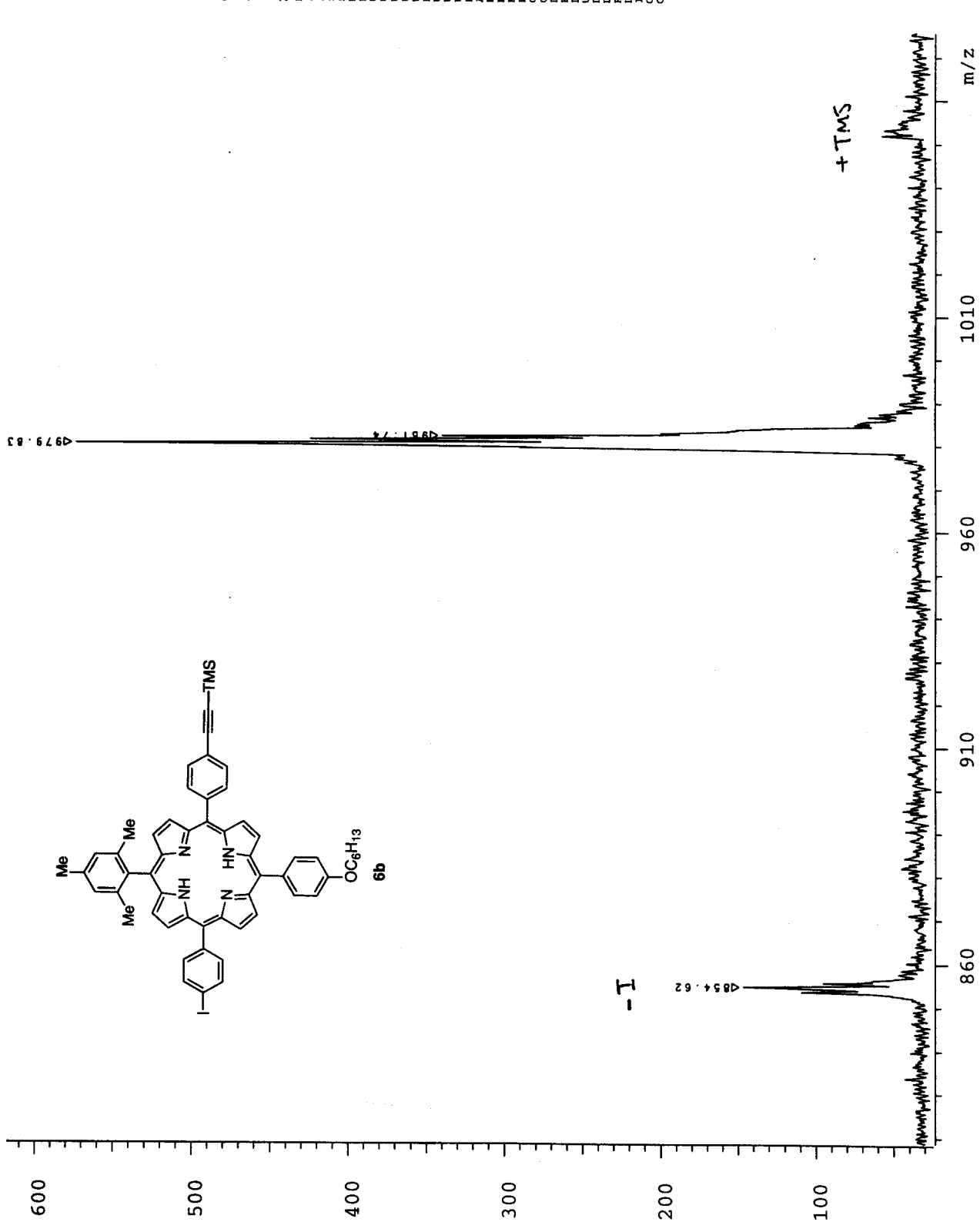




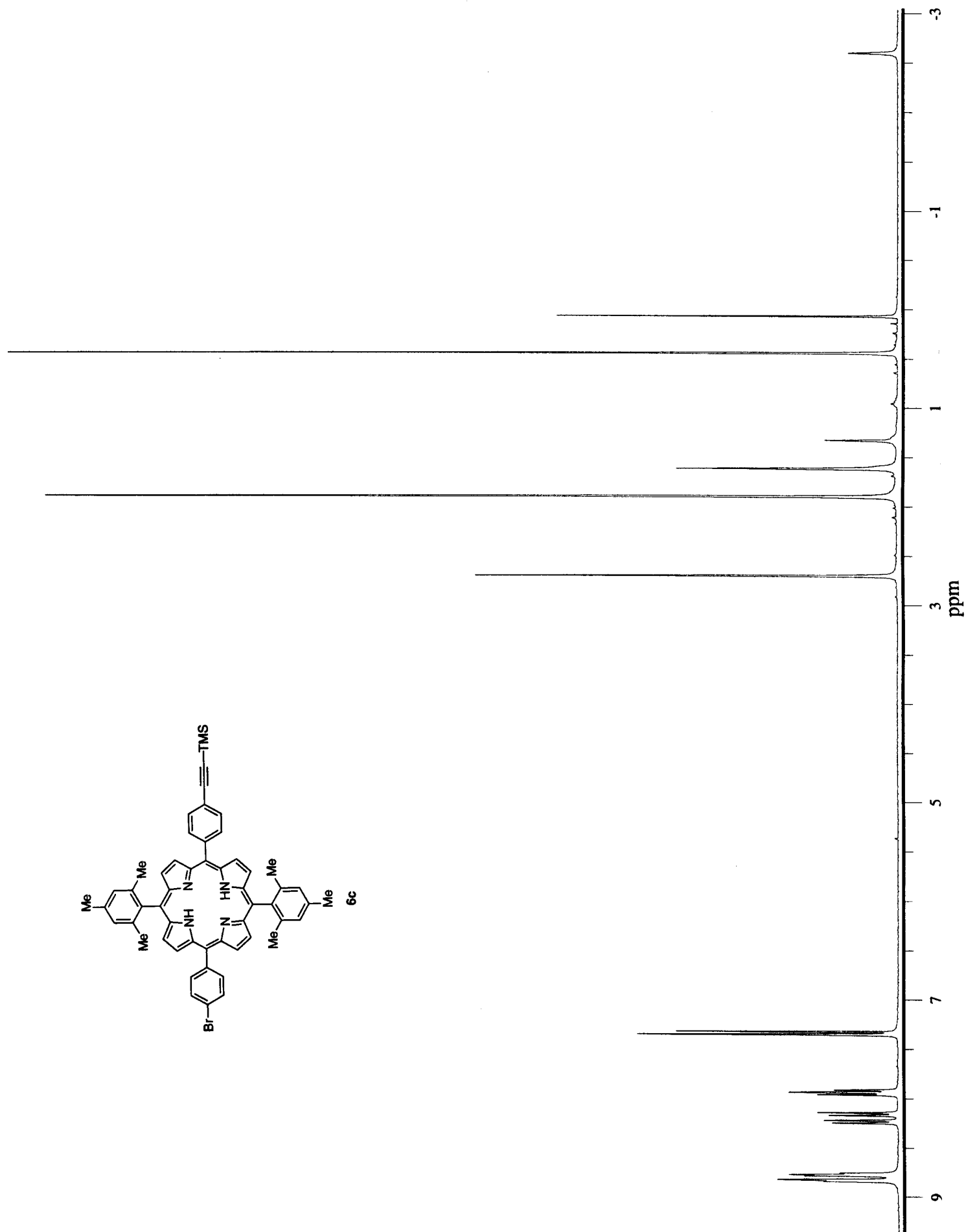


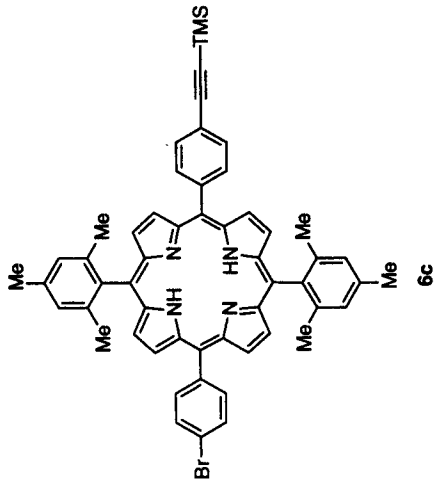
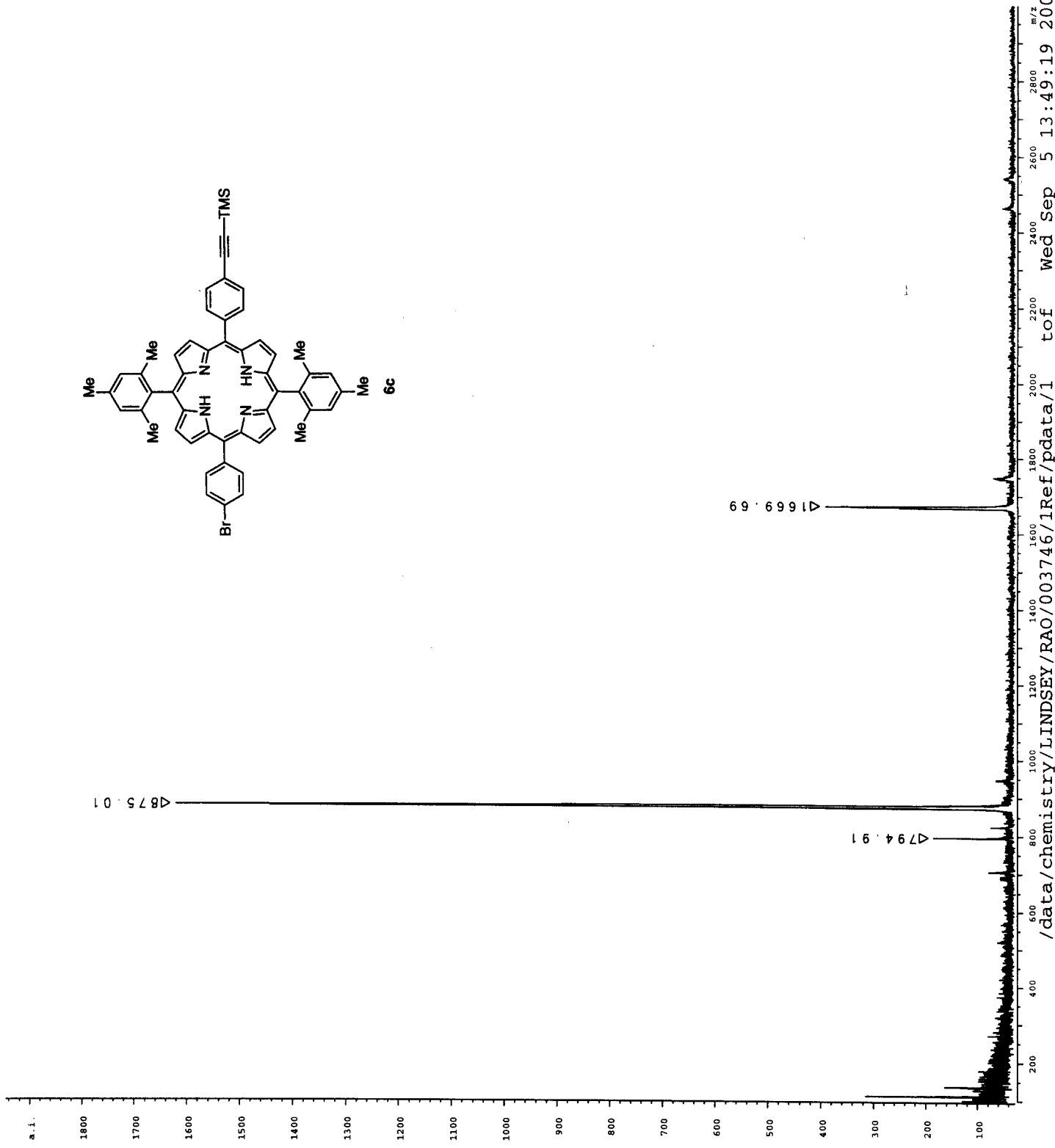




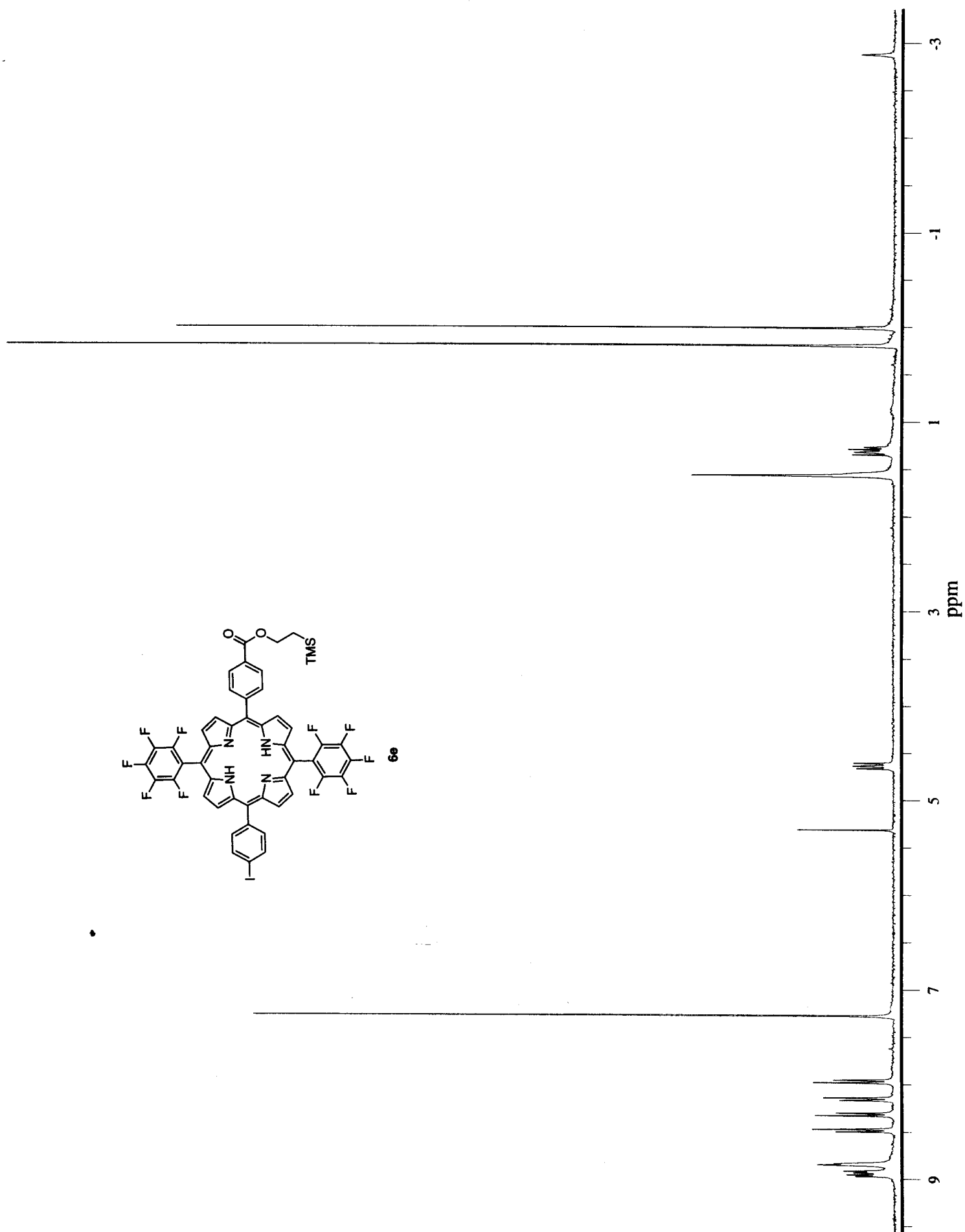


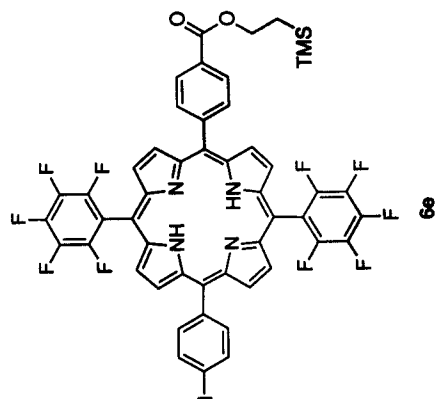
INSTRUM TOP
 Cidid N. Srinivasan
 SERNAM 002919
 AC DATE Mon Jul 24 13:15:18 2000
 PATH /data/chemistry/LINDSEY/RICK
 POLARI POS
 APOP_m Reflector
 TO SHOTS 40000
 SNOPTS1 1
 SNOPTS2 4
 SNOPTS3 0
 DM 0
 DELAY 1.00 (ns)
 U1a1 0.00 (KV)
 U1a2 18.50 (KV)
 Uref1 0.00 (KV)
 U1ens 7.50 (KV)
 U1mass 10.00 (KV)
 RefFull 0.00 (KV)
 UdetL 1.50 (KV)
 UdetR 0.00 (KV)
 Udef1 2.00 (KV)
 REPHZ 1.00 (Hz)
 ATTEN 29.0
 ML1 2067125.193
 ML2 333.982
 ML3 0.000
 HYPERO no
 GDELY yes
 GDELY short
 DREFLON no
 RLSEND no
 L1SEND no
 U1SEND no
 D1KEL 510.84 [Da]
 D1KEL 700.80 [Da]
 RENDVAL 0.33
 L1RNDVAL 0.28
 I52RNDV 0.91
 RSL33
 CMT1
 CMT2 attn = 29; 60 shots



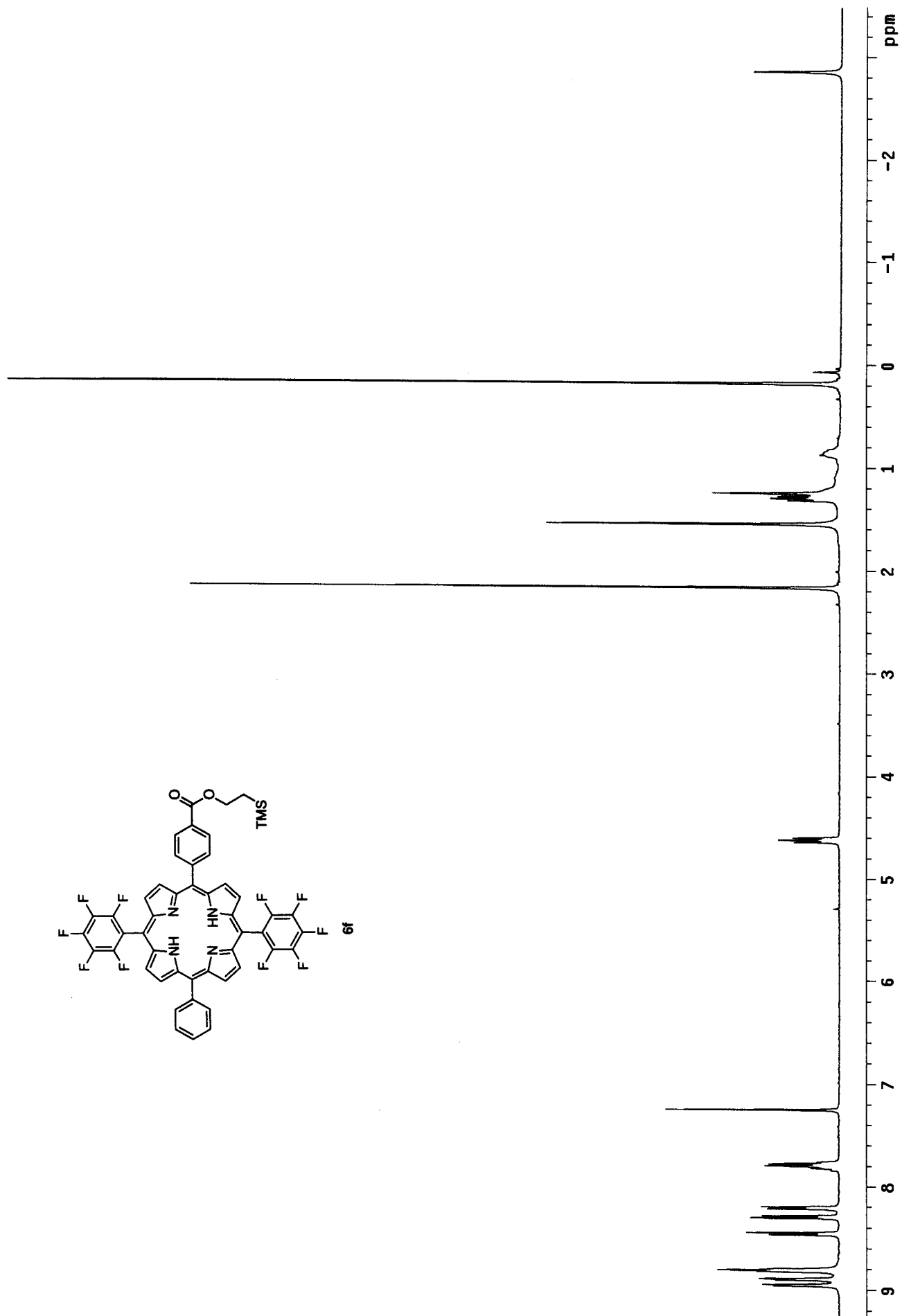
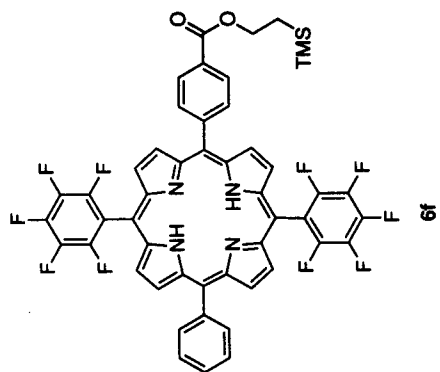


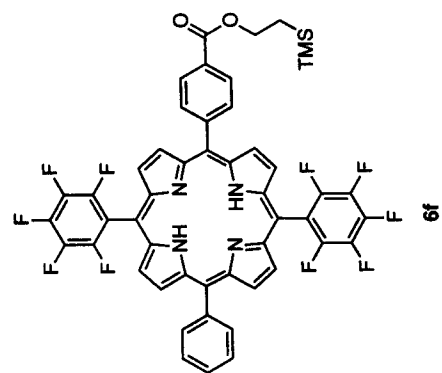
INSTRUM TOP
OpId N. Srinivasan
APR04 003746
ACQDATE 14.08.15 2000
PATH /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 40000
NCSTOTS 86
SWNUM 1
SMOPTS1 5
SMOPTS2 0
SMOPTS3 0
DW 1.00 [ns]
DELAY 0 [ns]
U1s1 20.00 [KV]
U1s2 18.70 [KV]
U1s3 7.50 [KV]
U1s4 7.50 [KV]
U1s5 10.00 [KV]
U1s6 10.00 [KV]
RefFull 0.00 [KV]
UdetL 1.50 [KV]
UdetR 0.00 [KV]
UdetI 2.00 [KV]
U1s7 1.00 [Hz]
ATTEN 18.0
ML1 2075200.244
ML2 333.675
ML3 0.000
HITURBO no
GDEON yes
GDELY short
DEFLON no
RLSEND no
L1SEND no
L2SEND no
U1S2END no
DPCAL1 510.84 [Da]
DPMAS 700.00 [Da]
RMSVAL 0.33
L1NDV 0.28
L2NDV 0.91
CMT1 RSL92
CMT2



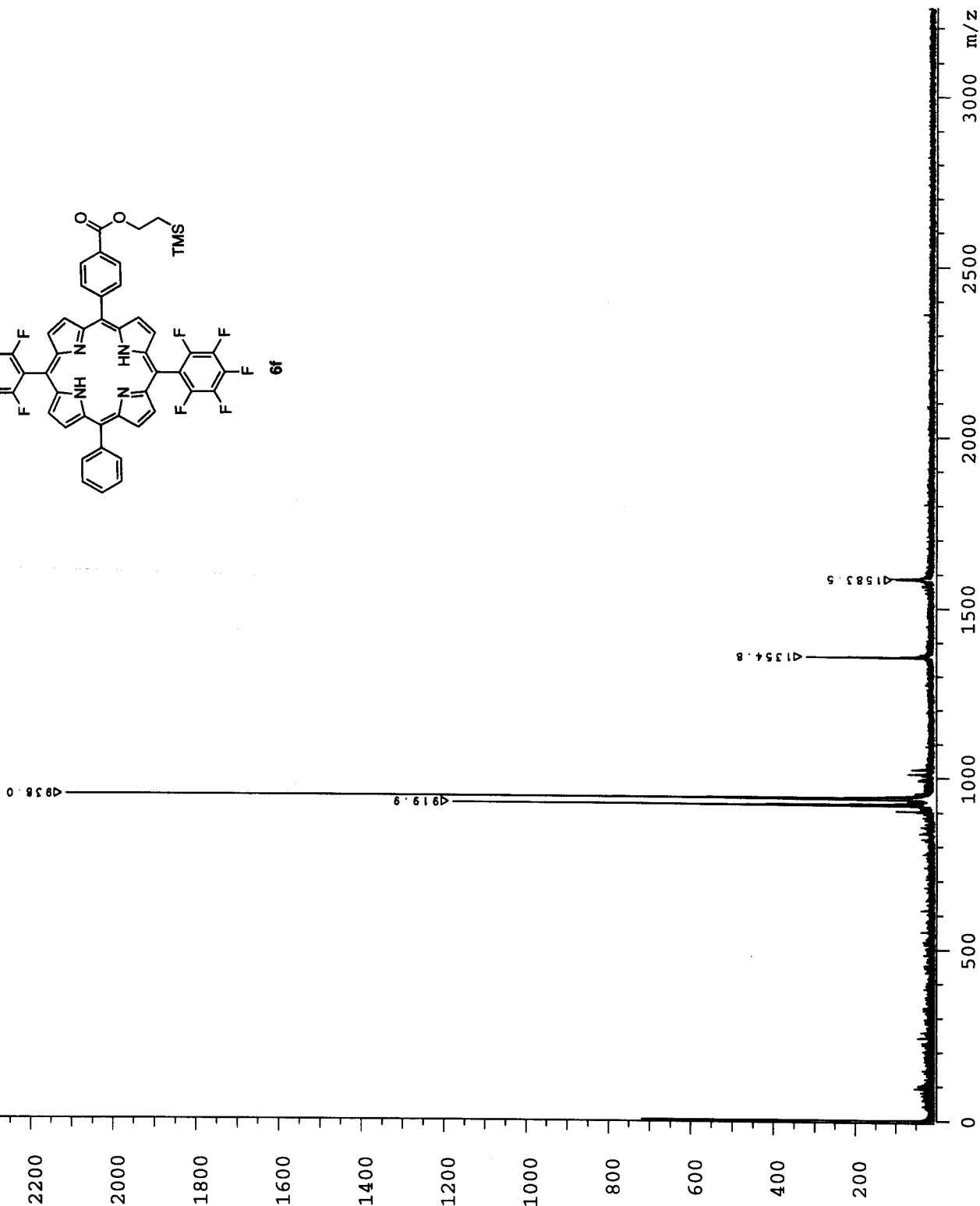


INSTRUM	TOP
Opid	N. Srinivasan
SPPRAN	002109
ACQ_DATE	Mon Jun 26 13:18:36 2000
PATH	/data/chemistry/LINDSEY/RAO
APPROX	Reflector
AOPD_M	40000
TD	NO SHOTS
	100
	SNCRUM
	0
	SHOTL1
	0
	SHOTL2
	0
	SHOTF3
	0
DW	1.00 [ns]
DELAY	0 [ns]
Uel1	20.00 [KV]
Uel2	18.00 [KV]
Uel3	17.00 [KV]
Uel4	7.50 [KV]
Uel5	10.00 [KV]
Uel6	10.00 [KV]
Uel7	1.50 [KV]
Uel8	1.50 [KV]
Uel9	2.00 [KV]
PREPHZ	1.00 [Hz]
ATTEN	35.0
M.L1	2067125.193
M.L2	333.982
HITURBO	no
GDEON	yes
GDEFLN	short
DEFLEO	no
BLASND	no
UISZRD	no
UIPCAL1	510.84
POPPASS	700.00 [Da]
RENDVAL	0.33
RENDUN	0.36
LENDUN	0.18
CMT1	Rob's RSU-18
CMT2	Attn = 35, shots = 100

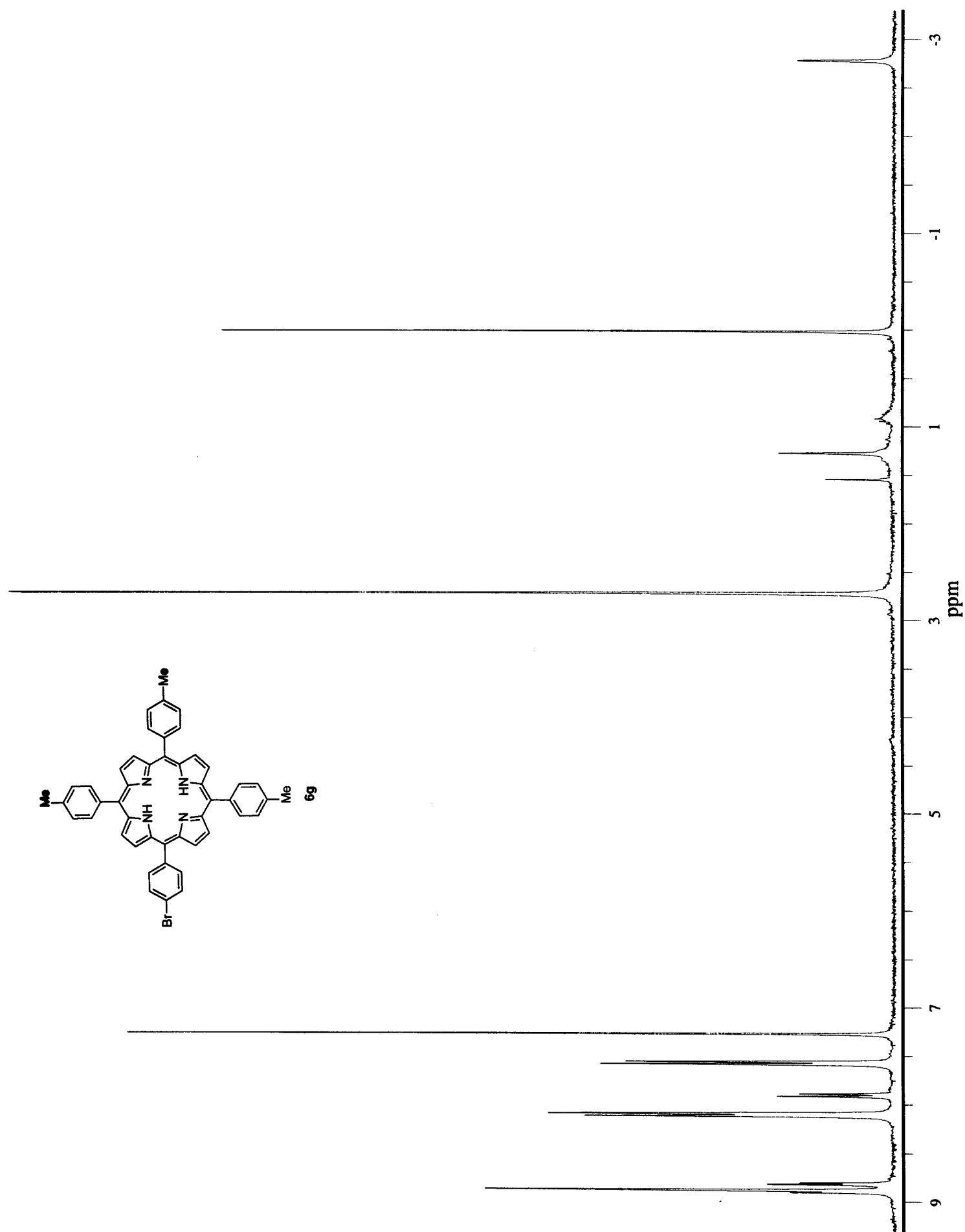


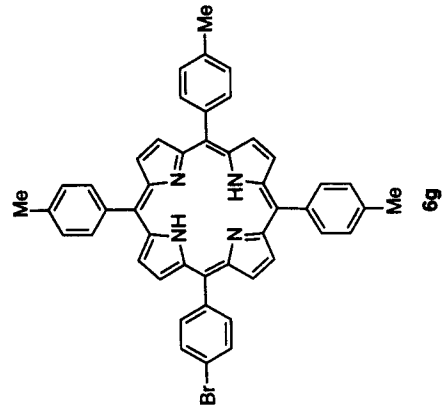


a.i.



INSTRUM TOF
OpId N. Srinivasan
SMPNAM 003025
AQ DATE Fri Aug 4 11:37:15 2000
PATH /data/chemistry/LINDSEY/RAO
PDATA 1
ACQ_Pm Reflector
TD 40000
NoSHOTS 40
SMONUM 0
SMOPTS1 0
SMOPTS2 0
SMOPTS3 0
DM 1.00 (ns)
DELAY 0 (ns)
Uis1 20.00 (KV)
Uis2 18.70 (KV)
Uref1 0.00 (KV)
Uref2 7.50 (KV)
Uref3 1.00 (KV)
RRef1 1.50 (KV)
RRef2 0.00 (KV)
Udef1 2.00 (KV)
Udef2 1.00 (Hz)
REPHZ 33.0
ATTN 206883.06
ML1 301.661
ML2 0.000
ML3
HITURBO no
GDEON yes
GDELY short
DEPLEN no
GDESD no
LINSND no
UIS2BND no
DPCAL1 510.84
DPMAS 700.00 (Da)
RNDVAL 0.33
LNDVAL 0.28
RNDV 0.91
CMT1 RSL41
CMT2 attn = 33, 40 shots

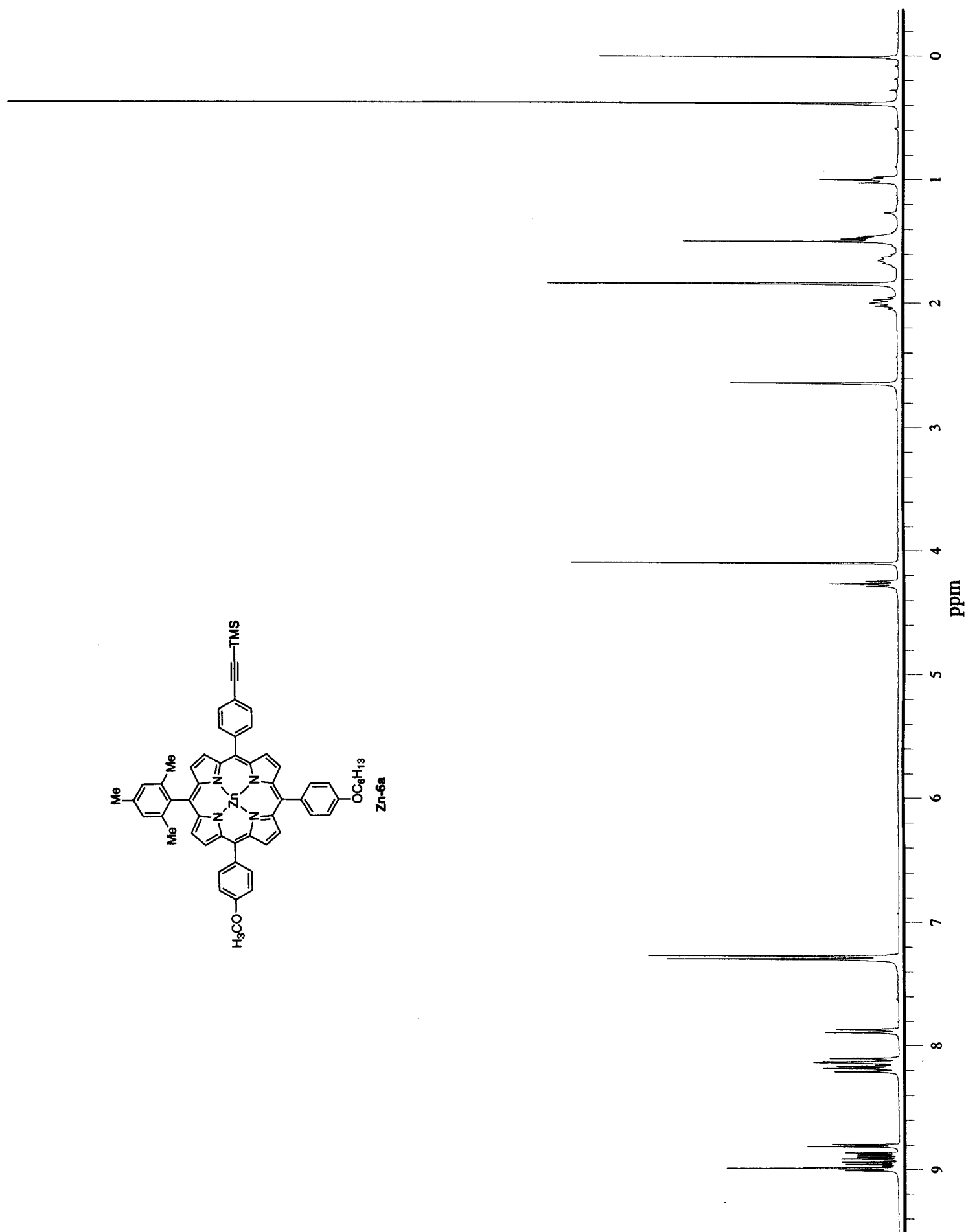
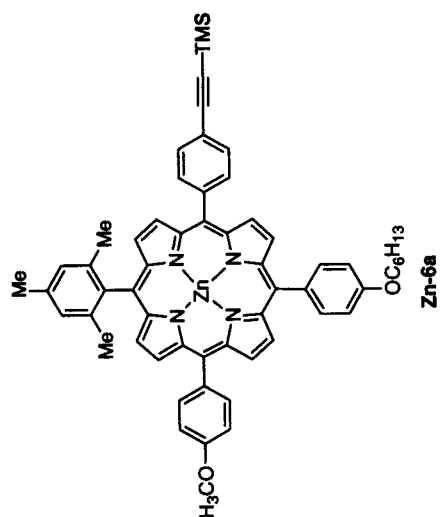


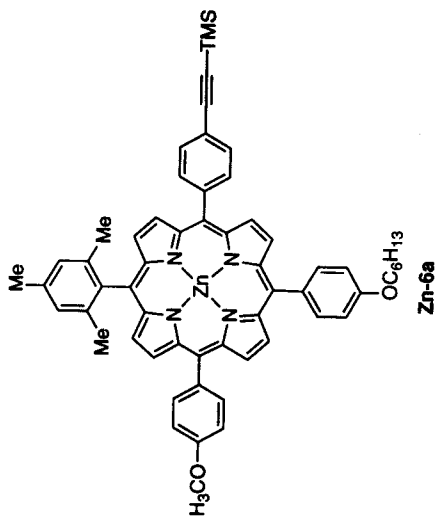
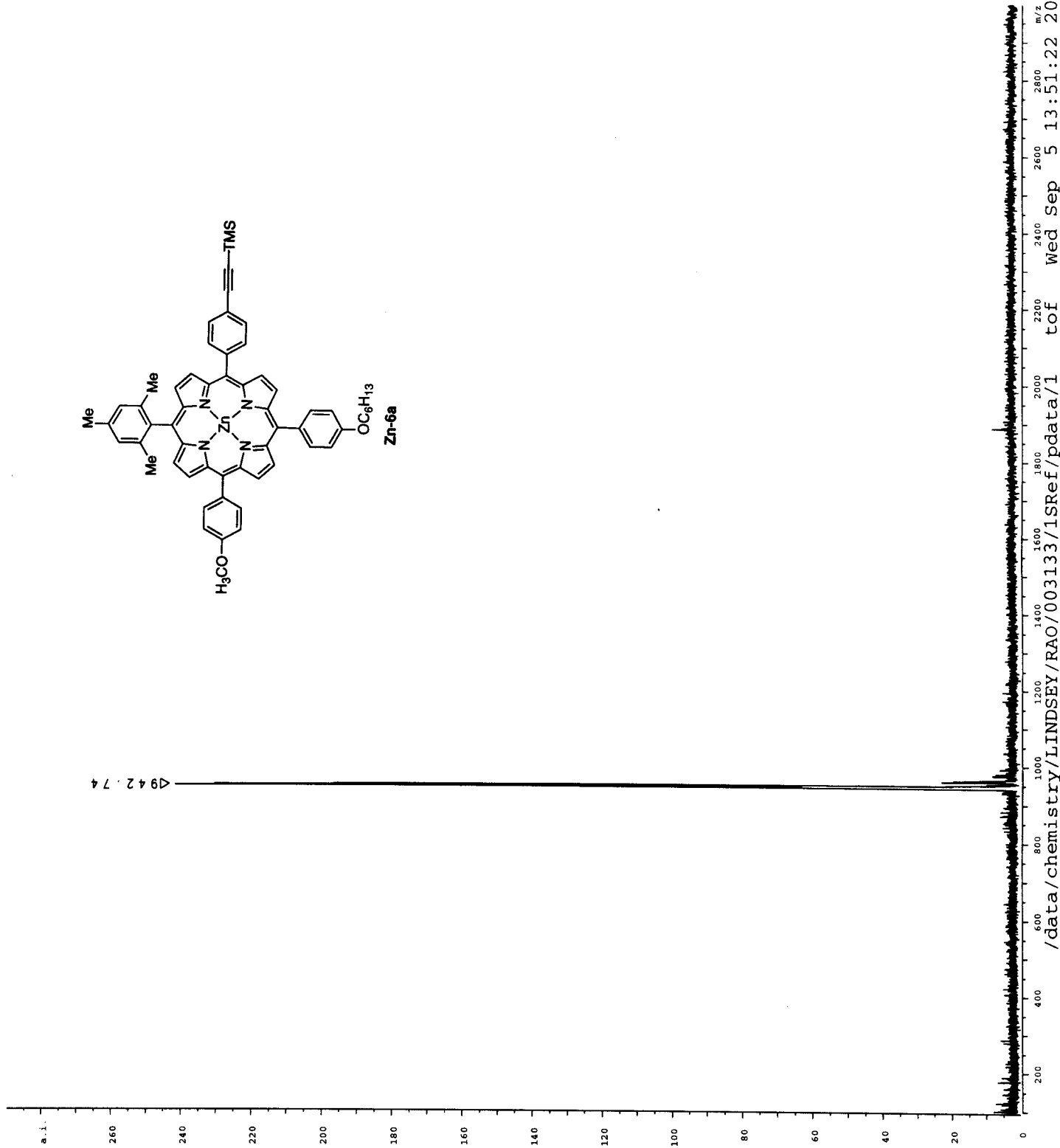


INSTRUM TOP
 OpId N Srinivasan
 ACQDATE Mon Jan 15 12:10:05 2001
 PATH /data/chemistry/LINDSEY/RAO
 POLARI POS
 AQP_m Reflector
 TD 40000
 NSHOTS 82
 SHOTS1 2
 SHOTS2 5
 SHOTS3 0
 DW 1.00 [ns]
 DELAY 0 [ns]
 U1s1 20.00 [KV]
 U1s2 15.00 [KV]
 U1e1 10.00 [KV]
 U1e2 7.50 [KV]
 U1mass 10.00 [KV]
 RefFull 0.00 [KV]
 Udet1 1.50 [KV]
 Udet2 0.00 [KV]
 Udet3 1.00 [KV]
 REPRZ 1.00 [Hz]
 ATTN 30.0
 ML1 2071592.159
 ML2 333.982
 ML3 0.000
 HITURBO no
 CHURN yes
 GUELY Res
 DEFLON no
 RLSEND no
 L1SEND no
 L2SEND no
 DPCAL 510.84 [Da]
 DPASS 700.00
 RENDVAL 0.33
 LENDVAL 0.28
 IS2BNDV 0.91
 CMT1 RSL/75
 CMT2 no matrix

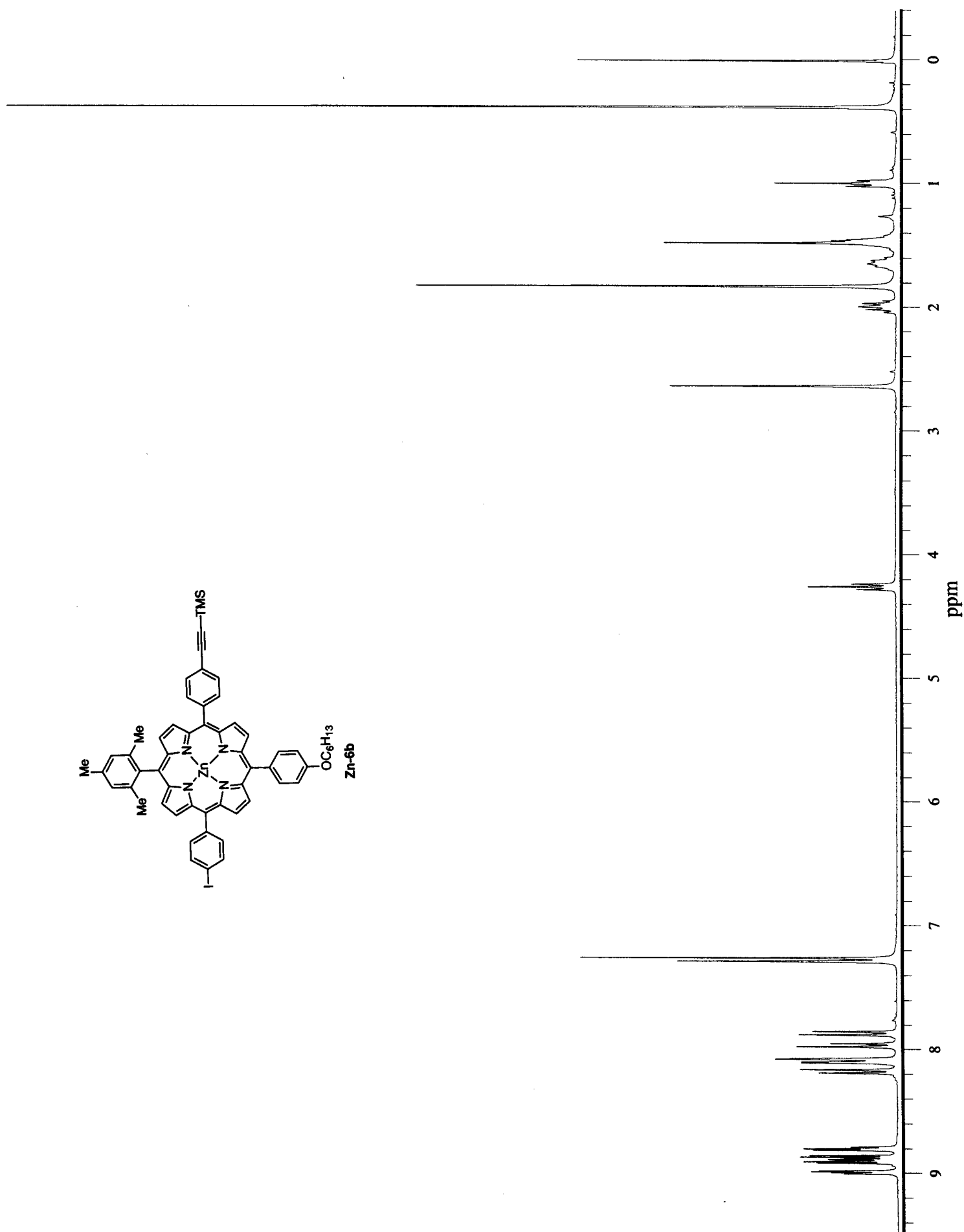
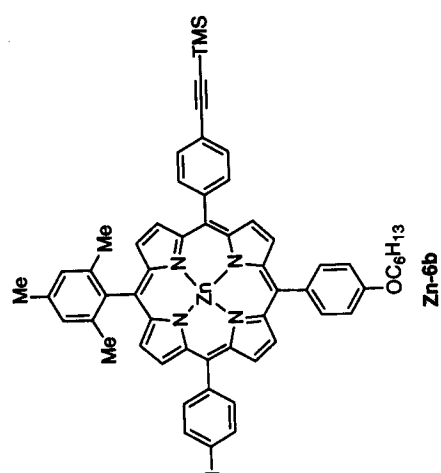
Δ1392.95

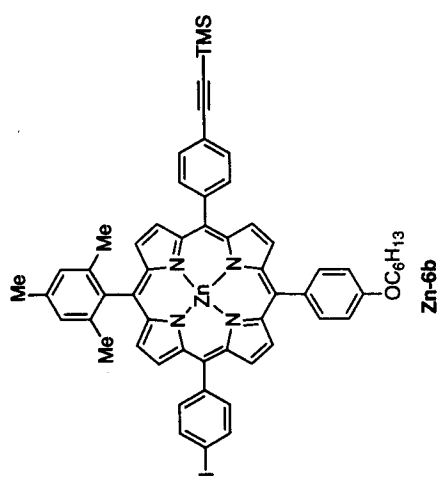
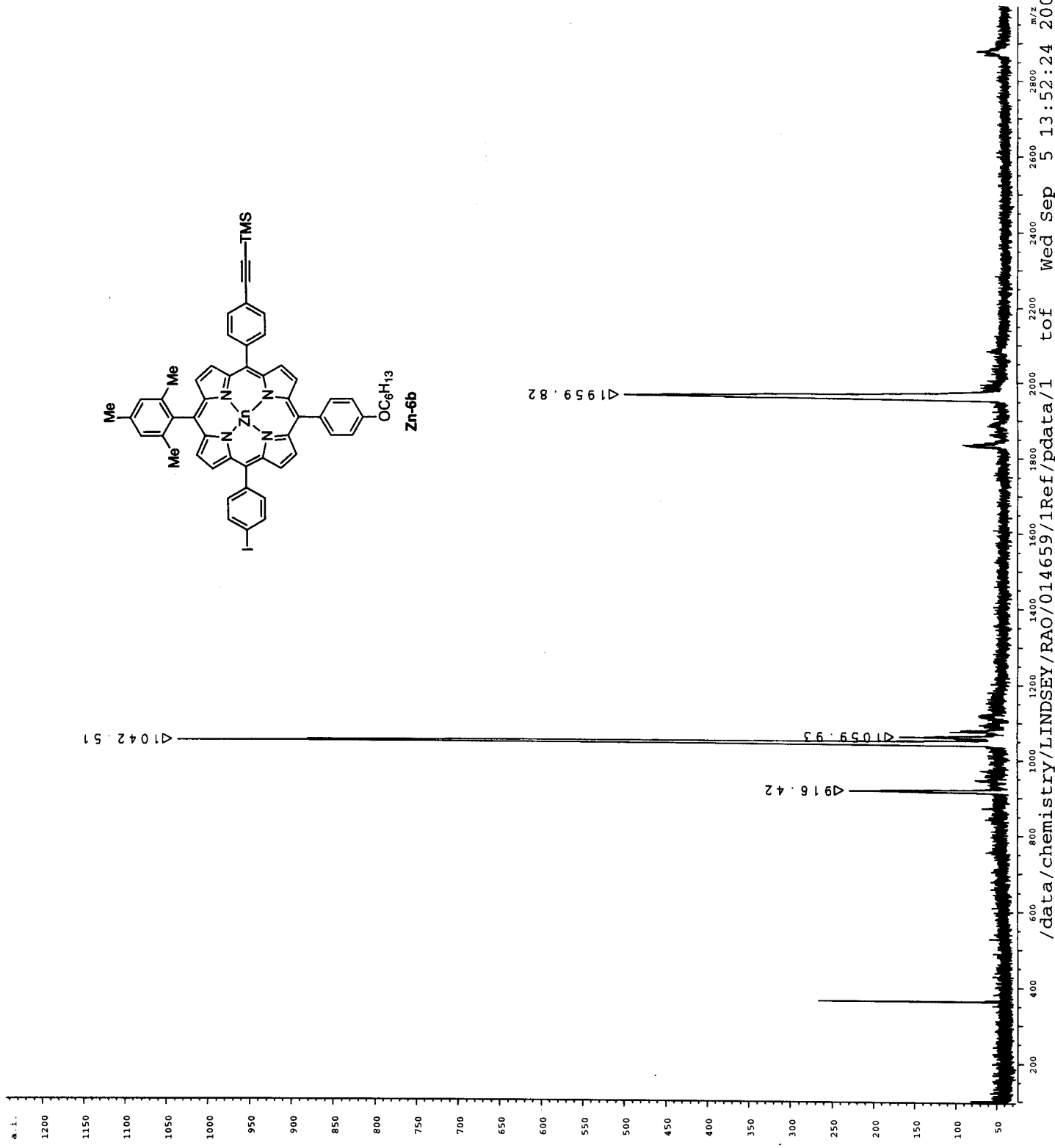
Δ736.39



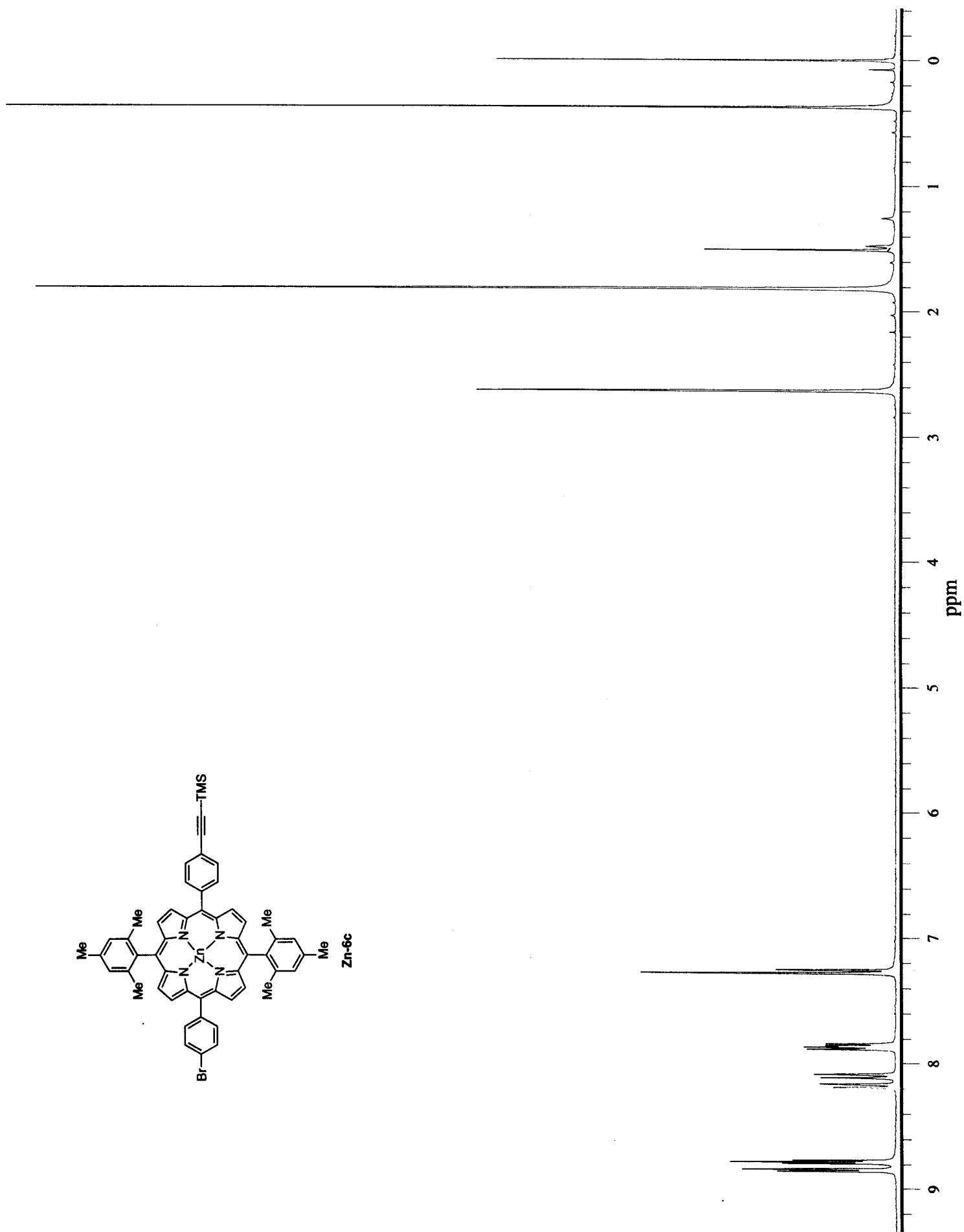


INSTRUM TOF
 OPID N. Strinivasan
 SPM 003133
 AC DATE Thu Aug 24 11:01:33 2000
 PATH /data/chemistry/LINDSEY/RAO
 POLARI POS
 AQOP_m Reflector
 TD 40000
 NOSOTS
 SMOPTS1 9
 SMOPTS2 5
 SMOPTS3 0
 DW 1.00 [ns]
 DELAY 0 [ns]
 U1a1 20.00 [KV]
 U1a2 18.70 [KV]
 U1a3 18.70 [KV]
 U1a4 7.50 [KV]
 U1a5 7.50 [KV]
 U1mass 10.00 [KV]
 RefPull 0.00 [KV]
 UdetL 1.50 [KV]
 UdetR 0.00 [KV]
 Udet1 1.00 [KV]
 Udet2 1.00 [KV]
 REFV1 28.0 [Hz]
 ML1 2071581.549
 ML2 324.668
 ML3 0.000
 HITURBO no
 GENT yes
 GURDY no
 DEFLON no
 RLSEND no
 LLSEND no
 UIS2END no
 DPVAL 510.84 [Da]
 PRSSE 700.10
 RENDVAL 0.31
 LENDVAL 0.28
 IS2ENDV 0.91
 CMT1 RSL52
 CMT2 attn = 28, 19 shots





INSTRUM TOF
OpId N. Srinivasan
SRNAM 014659
ACQDATE 19 Sep 2001
PATH /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 40000
NOSHOTS 102
SKONUM 1
SMOPTS1 5
SMOPTS2 0
SMOPTS3 0
DM 1.00 [ns]
DELAY 0 [ns]
U1s1 20.00 [KV]
U1s2 18.70 [KV]
U1s3 7.50 [KV]
U1s4 10.00 [KV]
U1s5 10.00 [KV]
U1s6 1.50 [KV]
U1s7 0.00 [KV]
U1s8 2.00 [KV]
U1s9 1.00 [KV]
ATTEN 30.0 [Hz]
ML1 2071592.159
ML2 333.982
ML3 0.000
HITURBO no
GDEON yes
GDEON short
DEFLON no
RLSEND no
LLSEND no
UIS2END no
DPCAL1 510.84 [Da]
DPMAS 700.00
RMSVAL 0.28
LINDVAL 0.28
IS2BNDV 0.91
CMT1 RSL121
CMT2 no matrix



a.i.

1000

950

900

850

800

750

700

650

600

550

500

450

400

350

300

250

200

150

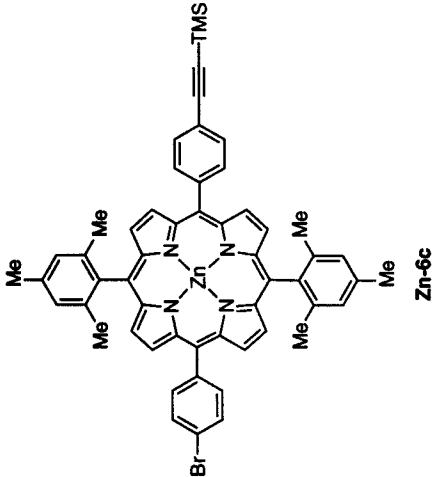
100

50

>936.52

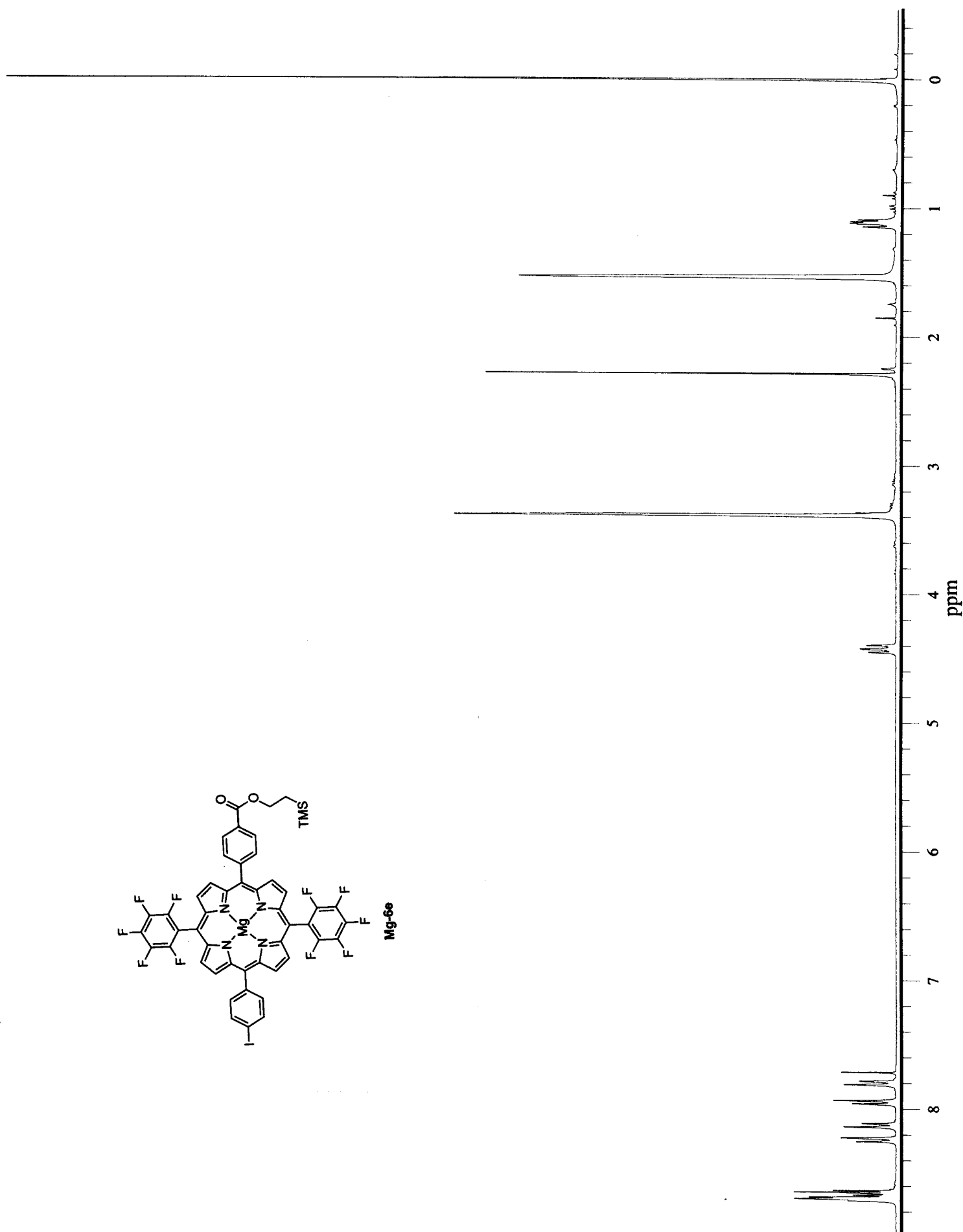
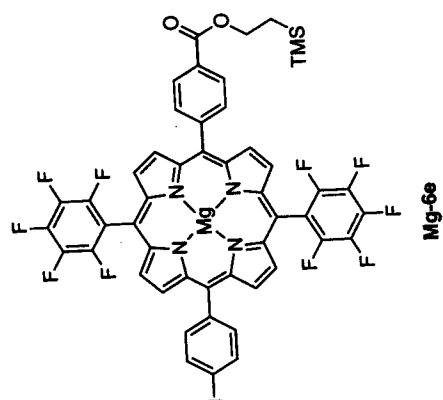
>931.93

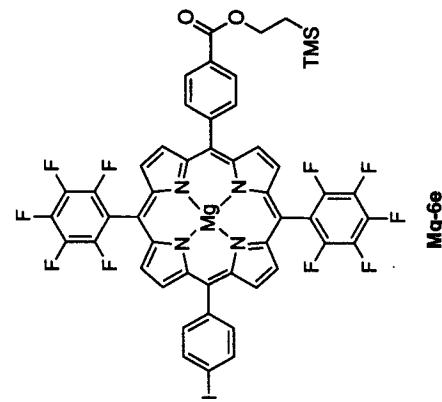
>1794.46



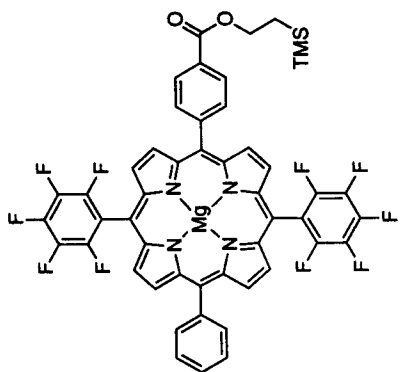
INSTRUM TOF
OpId N. Srinivasan
SPENAM 003762
ACQDATE Wed Nov 15 15:37:11 2000
PULS 7500
POLARI POS
AQOP_m Reflector
TD 40000
NoSHOTS 1
SMONUM 1
SMOTS1 0
SMOTS2 0
SMOTS3 0
DW 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.70 [KV]
Uref1 7.50 [KV]
Uref2 7.50 [KV]
Ubmass 10.00 [KV]
RefFull 0.00 [KV]
UdetL 1.50 [KV]
UdetR 0.00 [KV]
Udef1 2.00 [KV]
NEPHZ 21.00 [Hz]
ML1 2067125.193
ML2 333.982
ML3 0.000
HITURBO no
GDEON yes
CEDU short
DEPN no
RANRD no
LANSRD no
UIS2END no
UIS2END no
DPCAL1 510.84 [Da]
DPMAS 700.00 [Da]
KNOVAL 0.3
KNOVAL 0.3
IS2BNDV 0.91
CMT1 RSL93
CMT2

/data/chemistry/LINDSEY/RAO/003762/1SRef/pdata/1 tof Wed Sep 5 13:53:24 2001

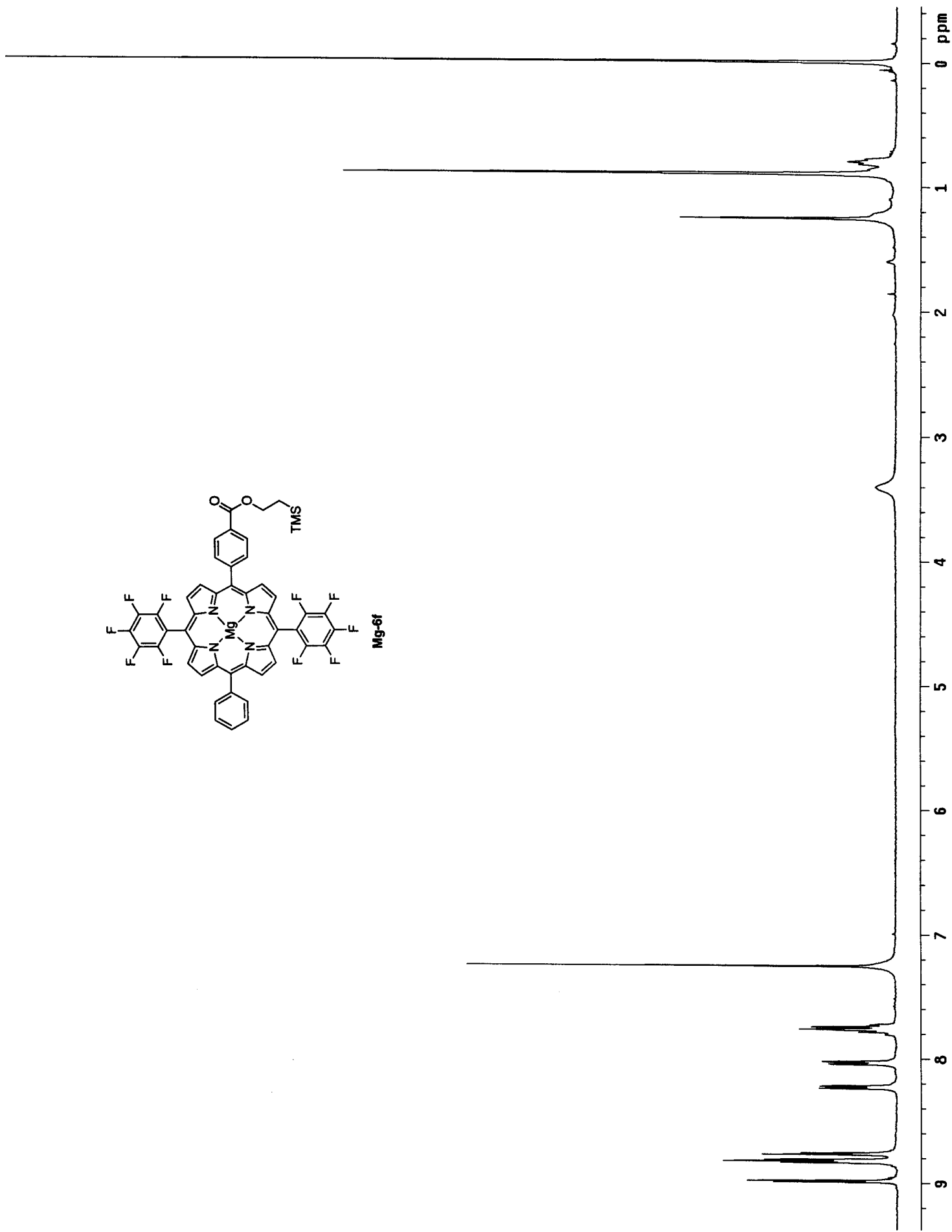


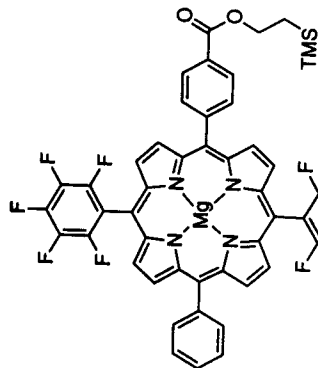
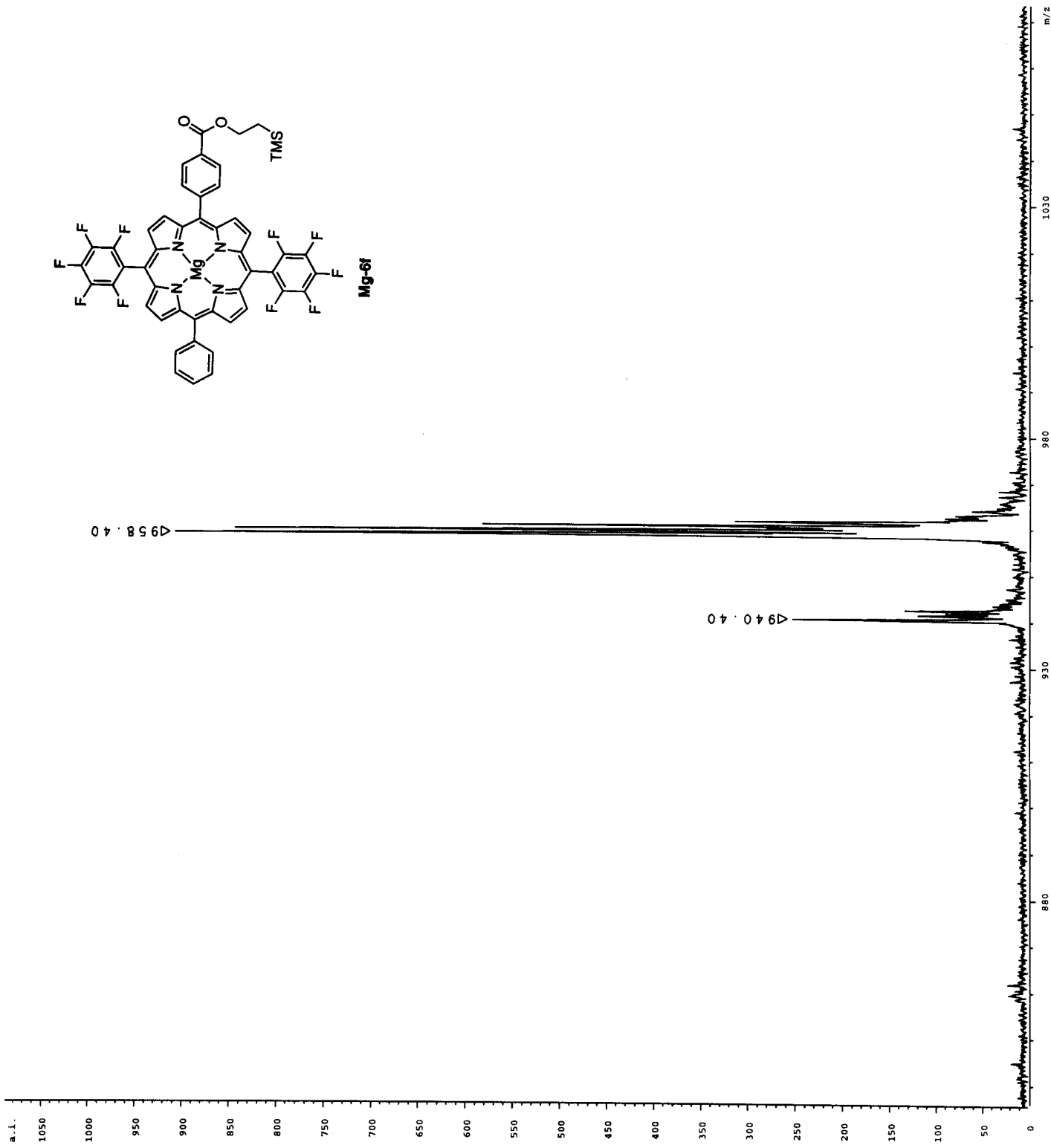


INSTRUM	TOP	ORID	UNKNOWN
SPNMAN	003140		
QD DATE	Fri Aug 25 14:28:55 2000		
AD PATH	/data/chemistry/LINSEY/RAO		
POS	Reflector		
FOCALR	TD		
FOCALD	40000		
NO SHOTS	62		
SNOUTIN	0		
SNOUTS1	0		
SNOUTS2	0		
SNOUTS3	0		
DELTA	0 [ns]		
U1s1	20.00 [kV]		
U1s2	18.50 [kV]		
U1s3	18.50 [kV]		
U1s4	7.50 [kV]		
U1smax	10.00 [kV]		
RefFull	0.00 [kV]		
UdetL	1.55 [kV]		
UdetR	0.00 [kV]		
UdetL1	0.00 [kV]		
UdetR1	0.00 [kV]		
REPZ	1.00 [Hz]		
ATTEN	48.0		
ML1	2067510.748		
ML2	353.368		
ML3	0.000		
U1BUBO	no		
GDORON	yes		
GDRELY	short		
DEFCON	no		
RLNSBND	no		
RLNSBND	no		
U1SBND	no		
U1SBND	no		
DPCALL	510.84		
DPMASS	200.00		[Da]
RENOVAL	0.33		
RENOVAL	0.28		
RENOVAL	0.91		
RSI54			
CHT2			
CHT3			



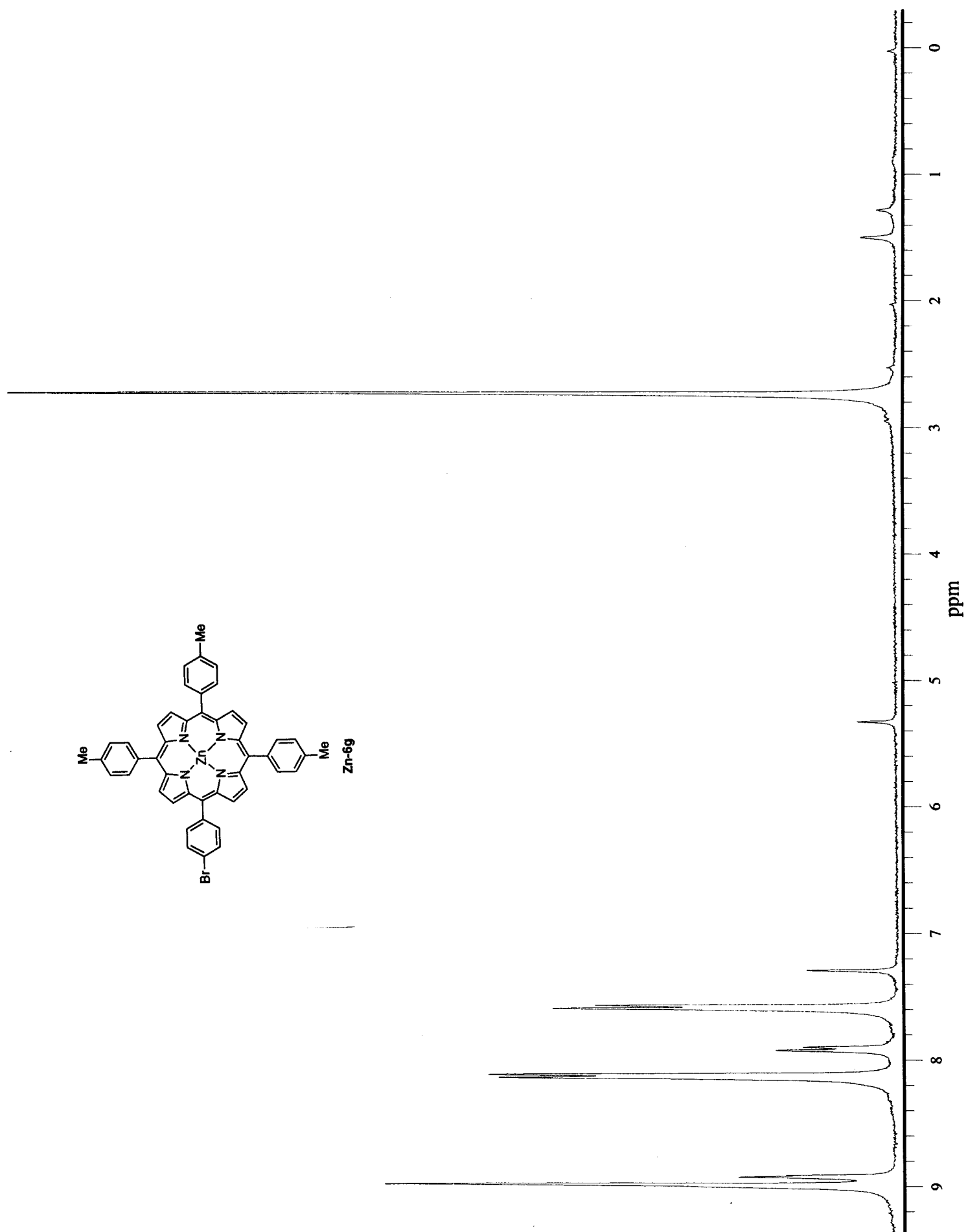
Mg-6f

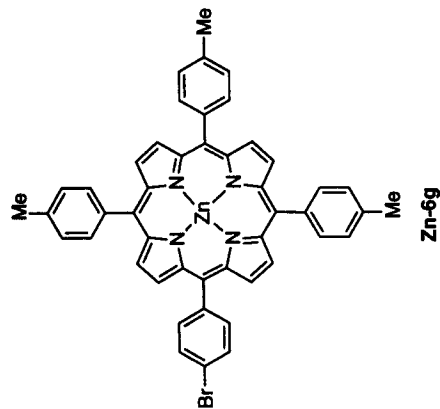
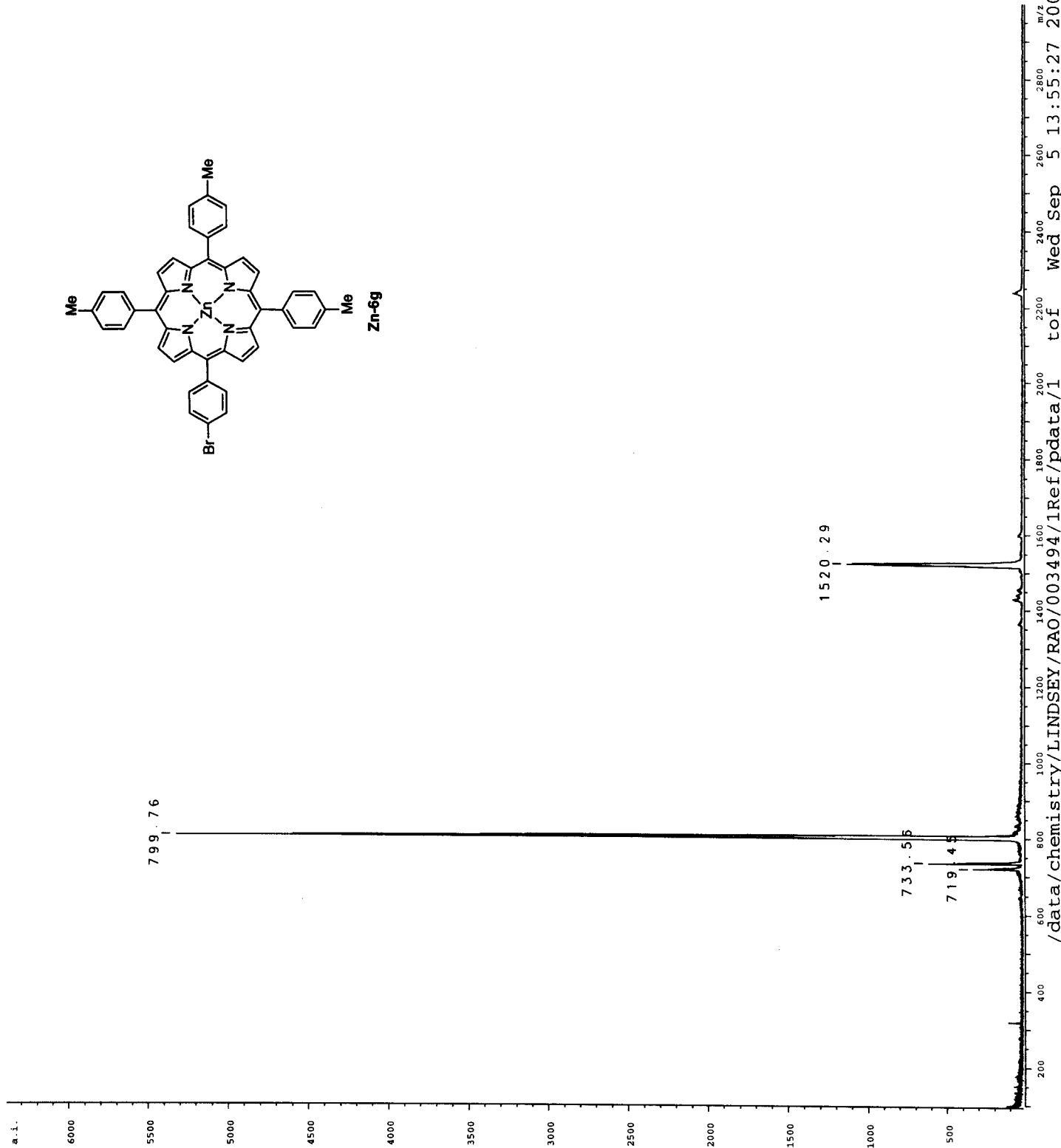




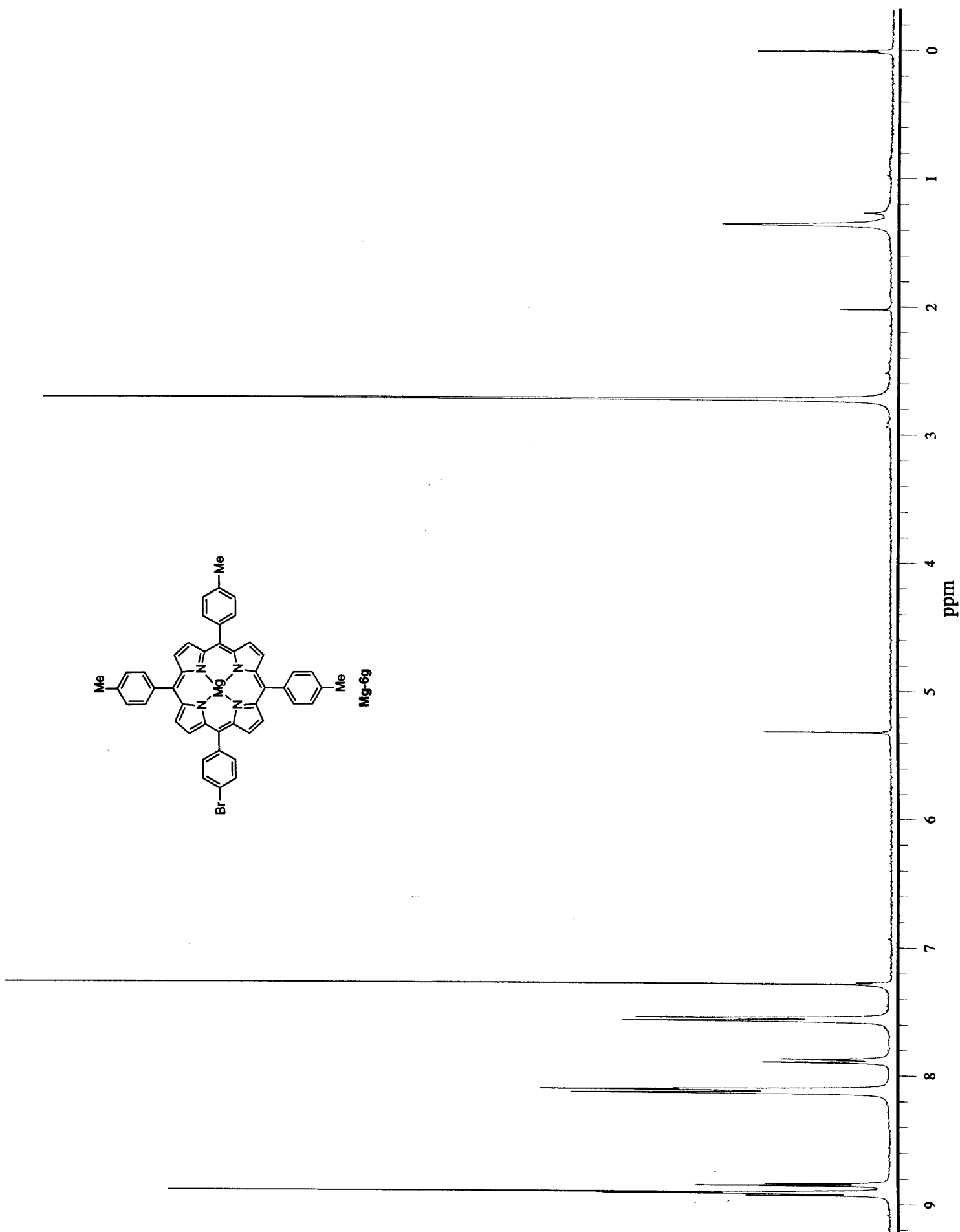
Mg-6f

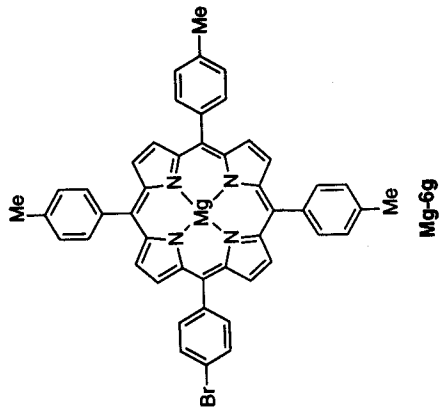
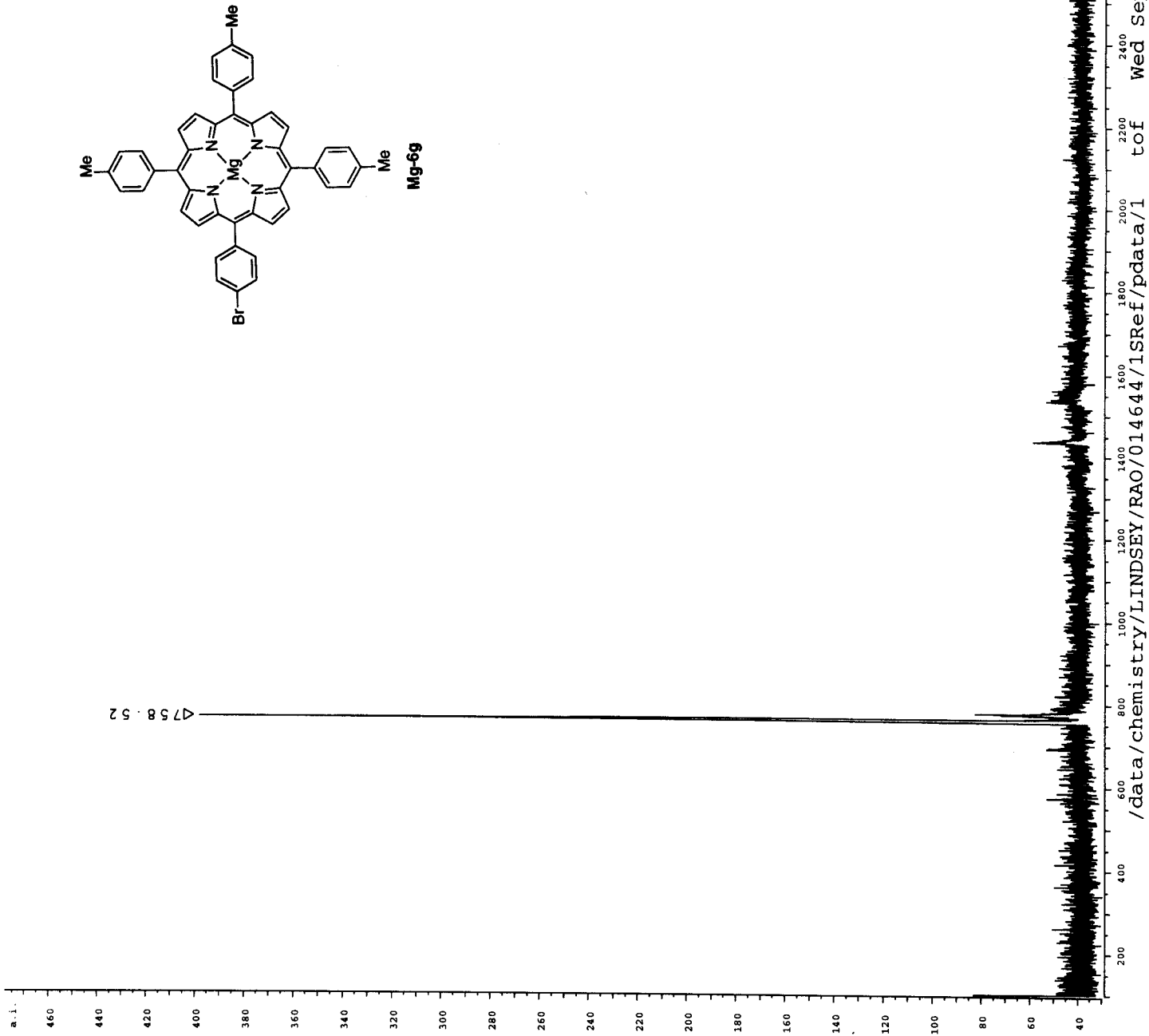
INSTRUM TOP
OpId N. Srinivasan
SHPNAM 015331
AcqDate Thu Jun 28 09:10:31 2001
POLARITY POS
AOPAR Reflector
TD 40000
NOSHOTS 11
SHOT1 0
SHOT2 0
SHOT3 0
DW 1.00 [ns]
DELAY 0 [ms]
Uis1 20.00 [KV]
Uis2 18.70 [KV]
Uref1 7.50 [KV]
Uis3 10.00 [KV]
Uinmass 10.00 [KV]
RefPull 0.00 [KV]
Udet1 1.50 [KV]
Udet2 1.50 [KV]
Udet3 2.00 [KV]
XPRZ 1.00 [Hz]
XPRZ 2067298.006
ML1 326.759
ML2 0.000
ML3 0.000
HITURBO no
GDEON yes
DEELY short
DEELY no
RANSND no
LLNSND no
UIS2END no
DPCAL1 510.84
DPMAS 700.00 [Da]
FENVAL 0.3
FENVAL 0.38
IS2ENDV 0.91
CMT1 RSL174
CMT2 POPOP



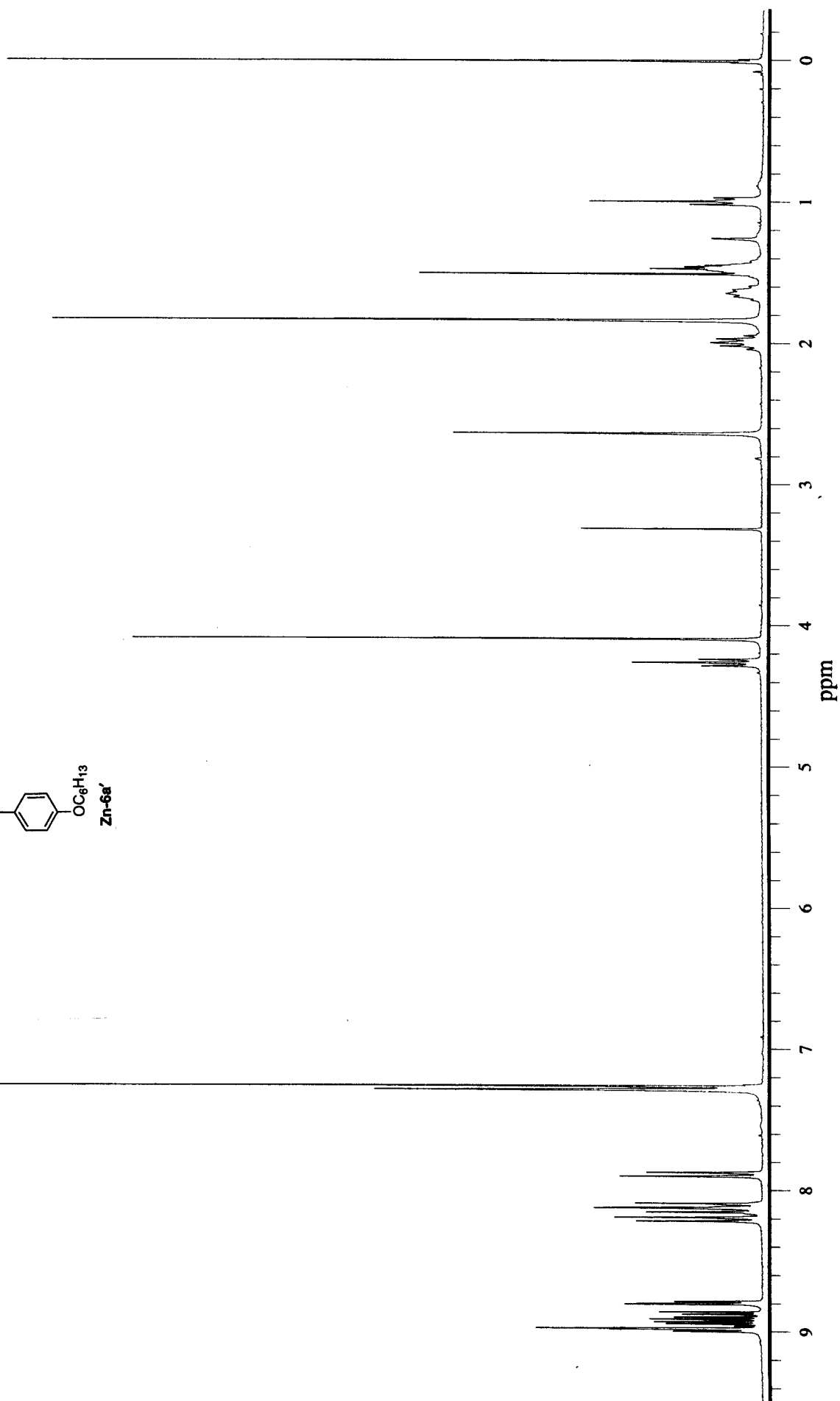
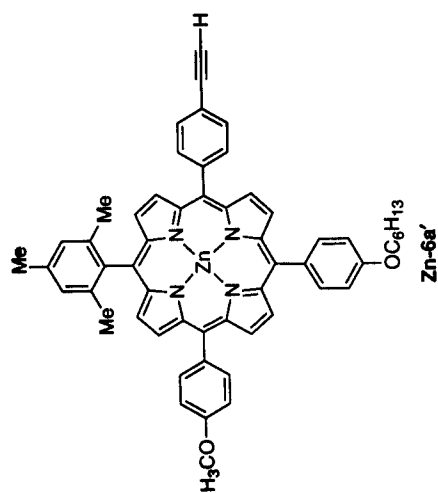


INSTRUM TOF
 OPID N. Srinivasan
 SPCNAM 003494
 ACQDATE 18 09 06 23 2000
 PATH /data/chemistry/LINDSEY/RAO
 POLARI POS
 AQOP_m Reflector
 TD 40000
 NGSHOTS 68
 SHORUM 1
 SHOPTS1 0
 SHOPTS2 0
 SHOPTS3 0
 DW 1.00 [ns]
 DELAY 0 [ns]
 Uis1 20.00 [KV]
 Uis2 18.70 [KV]
 Uis3 0.00 [KV]
 Uis4 7.50 [KV]
 Uimass 10.00 [KV]
 RefFull 0.00 [KV]
 Udet1 1.50 [KV]
 Udet2 0.00 [KV]
 Udet3 2.00 [KV]
 Udet4 35.0 [Hz]
 ML1 2075843.213
 ML2 333.982
 ML3 0.000
 HITURBO no
 GDEON yes
 GDEON Short
 DEFON no
 RANSEND no
 LANSBND no
 UIS2BND no
 DPCAL1 510.84
 DPMAS 700.00 [Da]
 LINDVAL 0.38
 IS2BNDV 0.91
 CMT1 RSL78 (no matrix)
 CMT2



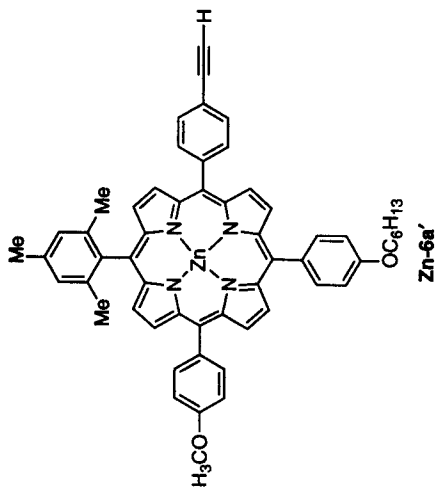


INSTRUM TOF
 OpId N. Srinivasan
 SPMNAM 014644
 AQ_DATE Mon Jan 15 12:16:36 2001
 PATH /data/chemistry/LINDSEY/RAO
 ACARI PS
 ACQ_JM Reflector
 TD 40000
 NSHOTS 83
 SMOBUM 2
 SMOPTS1 5
 SMOPTS2 5
 SMOPTS3 5
 DELAY 1.00 [ns]
 Uis1 20.00 [KV]
 Uis2 18.70 [KV]
 Uref1 0.00 [KV]
 Ulen1 7.50 [KV]
 Ulen2 10.00 [KV]
 Uref2 0.00 [KV]
 Udef1 1.50 [KV]
 Udef2 0.00 [KV]
 Udef3 2.00 [KV]
 REPHZ 1.00 [Hz]
 ATTN 30.0
 ML1 2071392.559
 ML2 332.982
 ML3 0.000
 HITURBO no
 GDEON yes
 GDELY short
 DEFON no
 DEFY no
 LENSND no
 LENSBD no
 UIS2BD no
 DPAL1 510.84
 DPMAS 700.00 [Da]
 RENDVAL 0.33
 LENDVAL 0.28
 SLENDV 0.91
 CNT1 RSL76
 CNT2 no matrix

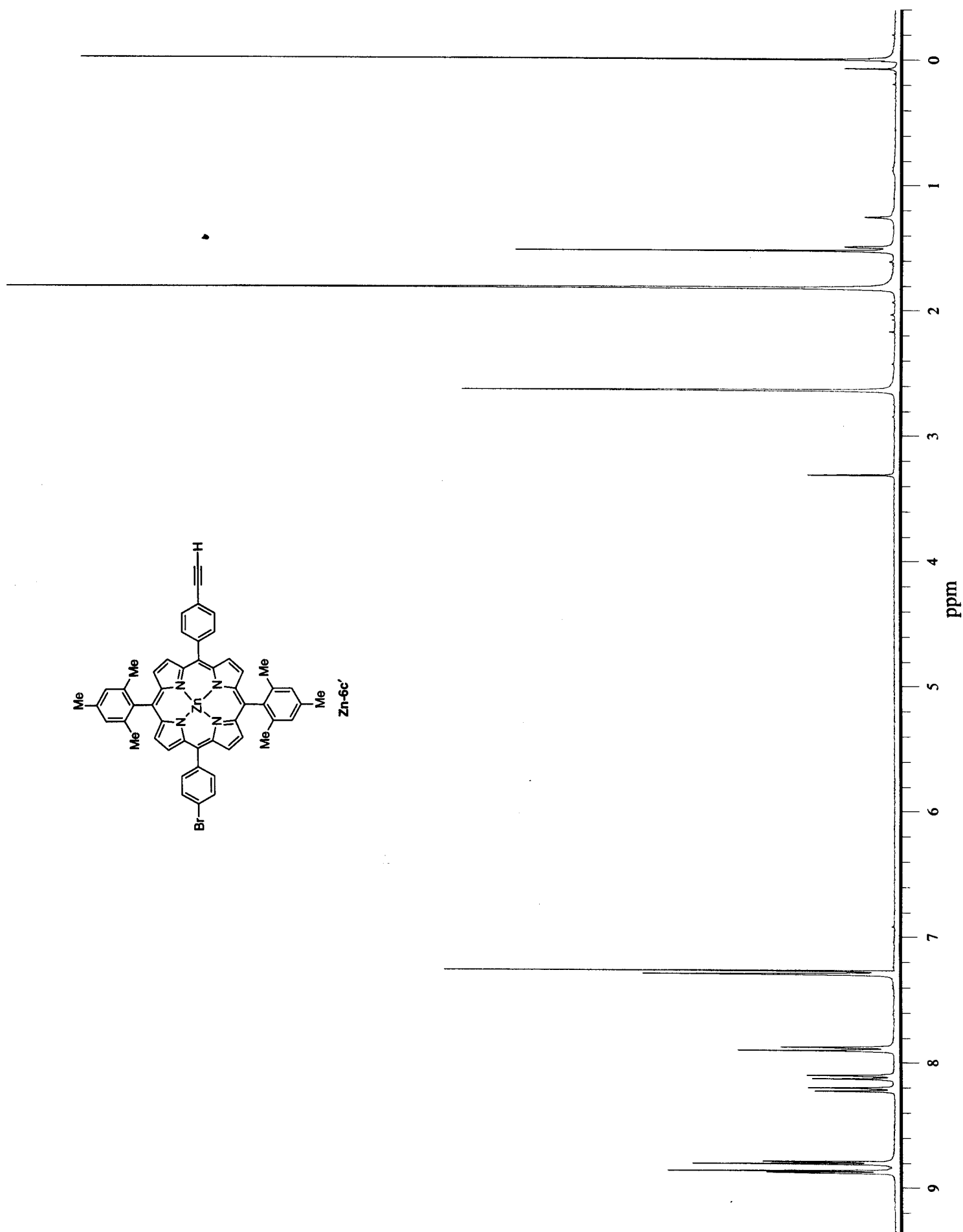


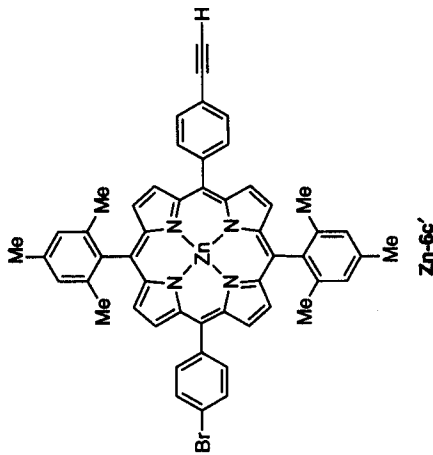
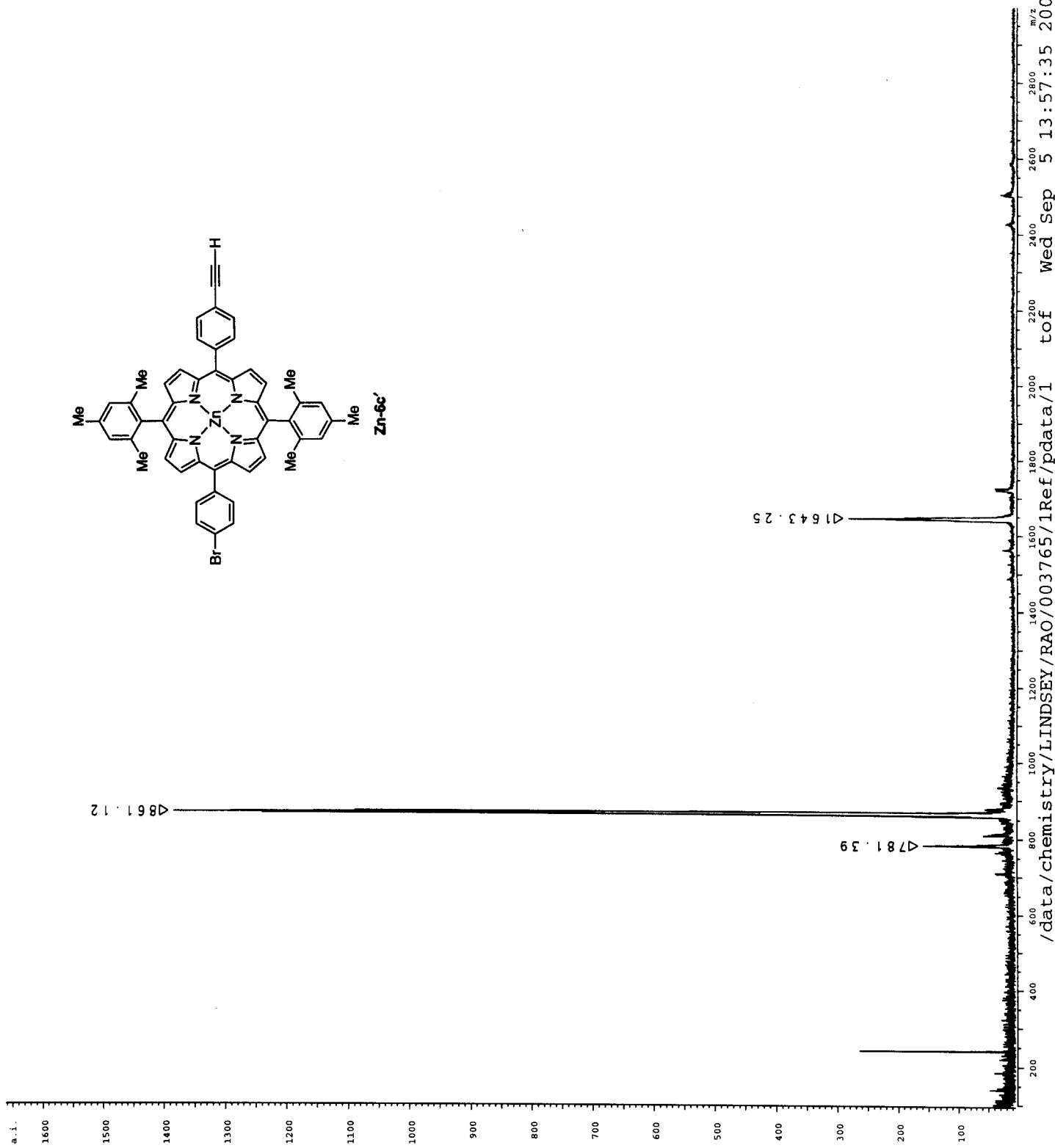
a.i.

Δ870.45

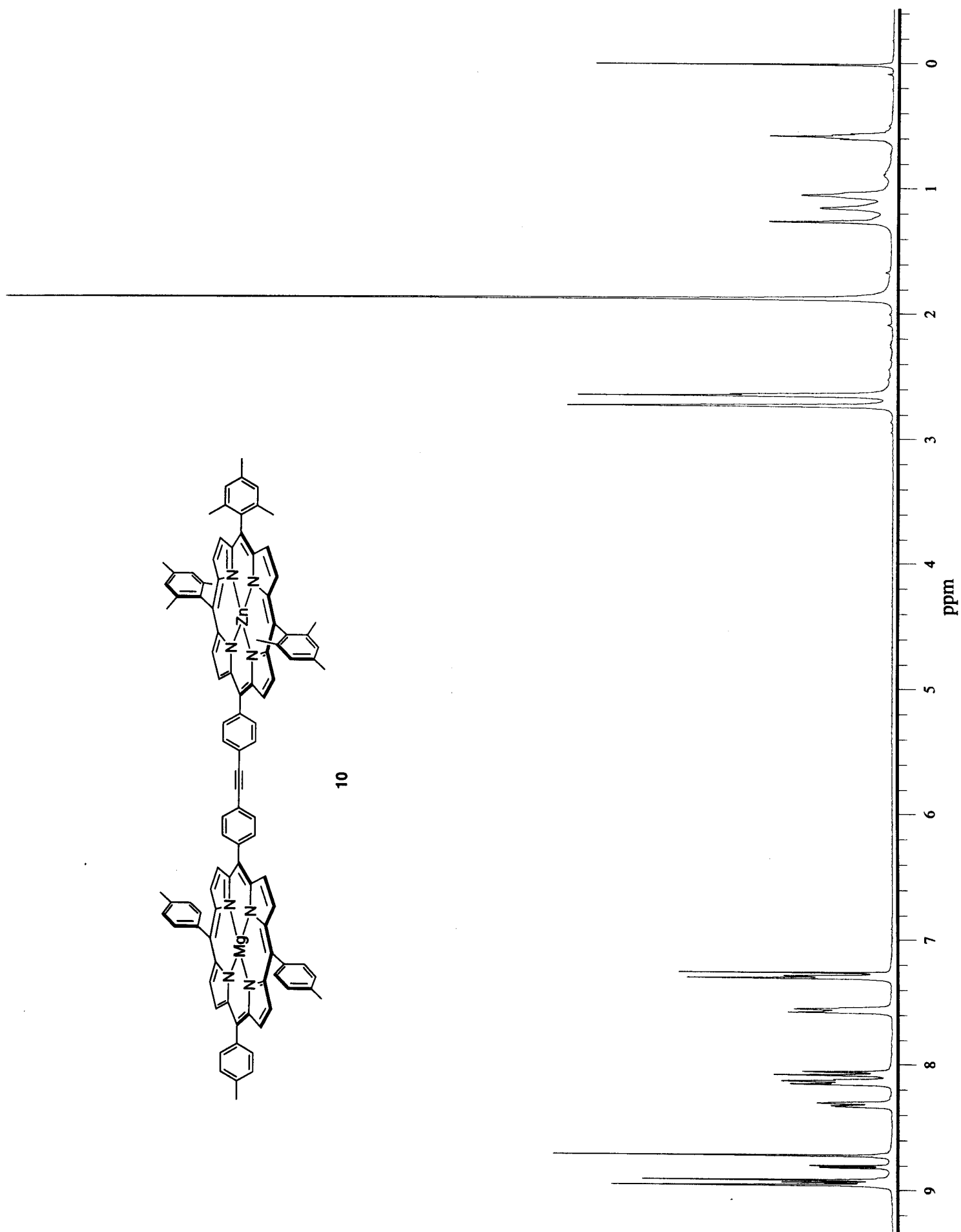


INSTRUM TOP
OpId Unknown
SHPNAM 001139
QDATE Fri Aug 25 11:04:52 2000
POLARI POS
AQOP_m Reflector
TD 40000
NoSHOTS 40
SMONUM 1
SMOPUS1 5
SMOPUS2 0
SMOPUS3 0
DW 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.50 [KV]
Uref1 0.00 [KV]
Uref2 0.00 [KV]
Uref3 10.00 [KV]
RefPull 0.00 [KV]
UdetL 1.55 [KV]
UdetR 0.00 [KV]
Udef1 2.00 [KV]
REPH2 1.00 [Hz]
ATTEN 2071592.159
ML1 333.982
ML2 0.000
ML3 0.000
HITURBO no
GDEON yes
GDELY short
GDEON no
GDELY no
LANSRD no
LANSRD no
UISZRD no
DPCAL1 510.84 [Da]
DPMAS 200.00 [Da]
RENOVAL 0.33
RENOVAL 0.33
ISZBNDV 0.91
CMT1 RSL53
CMT2 attn = 28, 40 shots

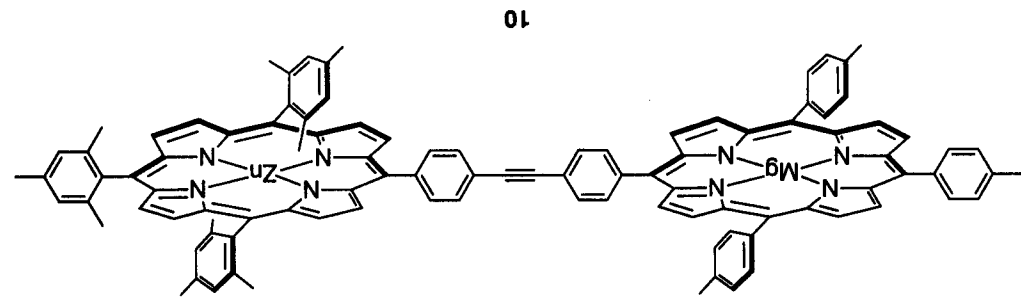




INSTRUM TOF
 OPID N. Srinivasan
 OPERM 0318
 ACQDATE Wed Sep 15 15:49:31 2000
 PATH /data/chemistry/LINDSEY/RAO
 POLARI POS
 AQOP_m Reflector
 TD 40000
 NSHOTS 20
 SCOUT1 1
 SCOUT2 5
 SCOUTS3 0
 DW 1.00 [ns]
 DELAY 0 [ns]
 U1s1 20.00 [KV]
 U1s2 18.00 [KV]
 U1s3 18.00 [KV]
 U1s4 7.50 [KV]
 U1mass 10.00 [KV]
 RefPull 0.00 [KV]
 U1s5 1.50 [KV]
 U1s6 0.00 [KV]
 U1s7 1.00 [KV]
 REFZ 23.0 [Hz]
 ML1 2067125.193
 ML2 333.982
 ML3 0.000
 HITURBO no
 CHURN yes
 CUELY Post
 DEFLON no
 RANGND no
 L1S2ND no
 U1S2ND no
 DPCAL 510.84 [Da]
 DPCAL 700.00 [Da]
 DPCAL 800.00 [Da]
 LENDVAL 0.28
 IS2BNDV 0.91
 CMT1 RSL97
 CMT2



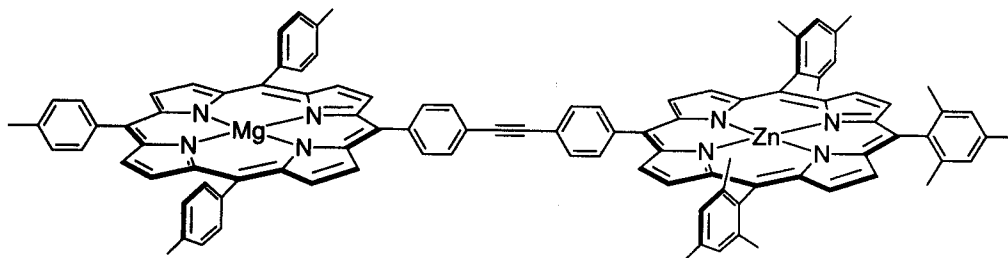
a.i. 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50



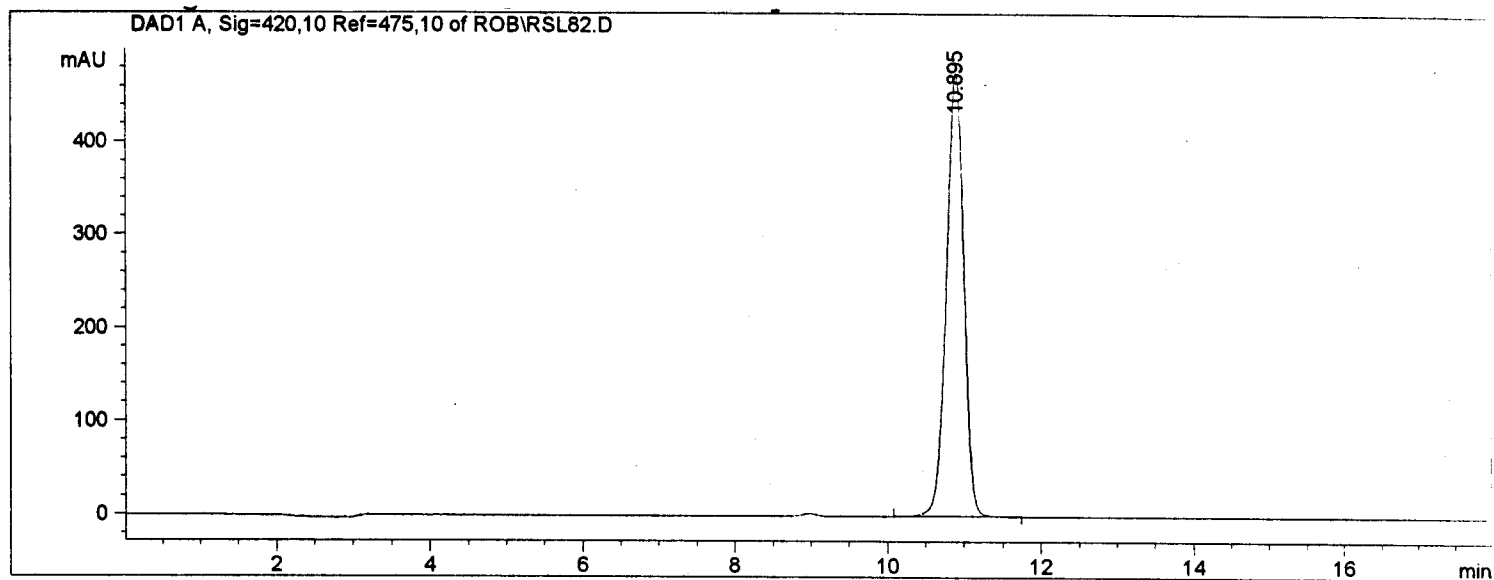
1503.23

1200 1400 1600 1800 m/z

INSTRUM TOF
OPID N. Srinivasan
SRNAM 903539
ACQDATE 20 09:16:59 2000
PDATE /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 40000
NCSHOTS 100
SWHWH 2
SWHWS 5
SMOPTS2 0
SMOPTS3 0
DM 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.70 [KV]
Uis3 18.70 [KV]
Uis4 7.50 [KV]
Uis5 7.50 [KV]
Uis6 10.00 [KV]
Uis7 10.00 [KV]
Uis8 0.00 [KV]
RefFull 0.00 [KV]
UdetL 1.50 [KV]
UdetR 1.55 [KV]
UdetL 2.00 [KV]
UdetR 2.00 [KV]
ATTEN 28.0
ML1 2067125.193
ML2 333.982
ML3 0.000
HITURBO no
GDRON yes
GDRON Abort
DEFLON no
BLASND no
LANSND no
UIS2ND no
DPCALI 510.84 [Da]
DPMASS 700.00
FINDVAL 0.91
LINDVAL 0.28
LS2BNDV 0.91
CMT1 RSL82 (Afterpreparative SEC)
CMT2



10



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Area Percent Report
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Sorted by Signal

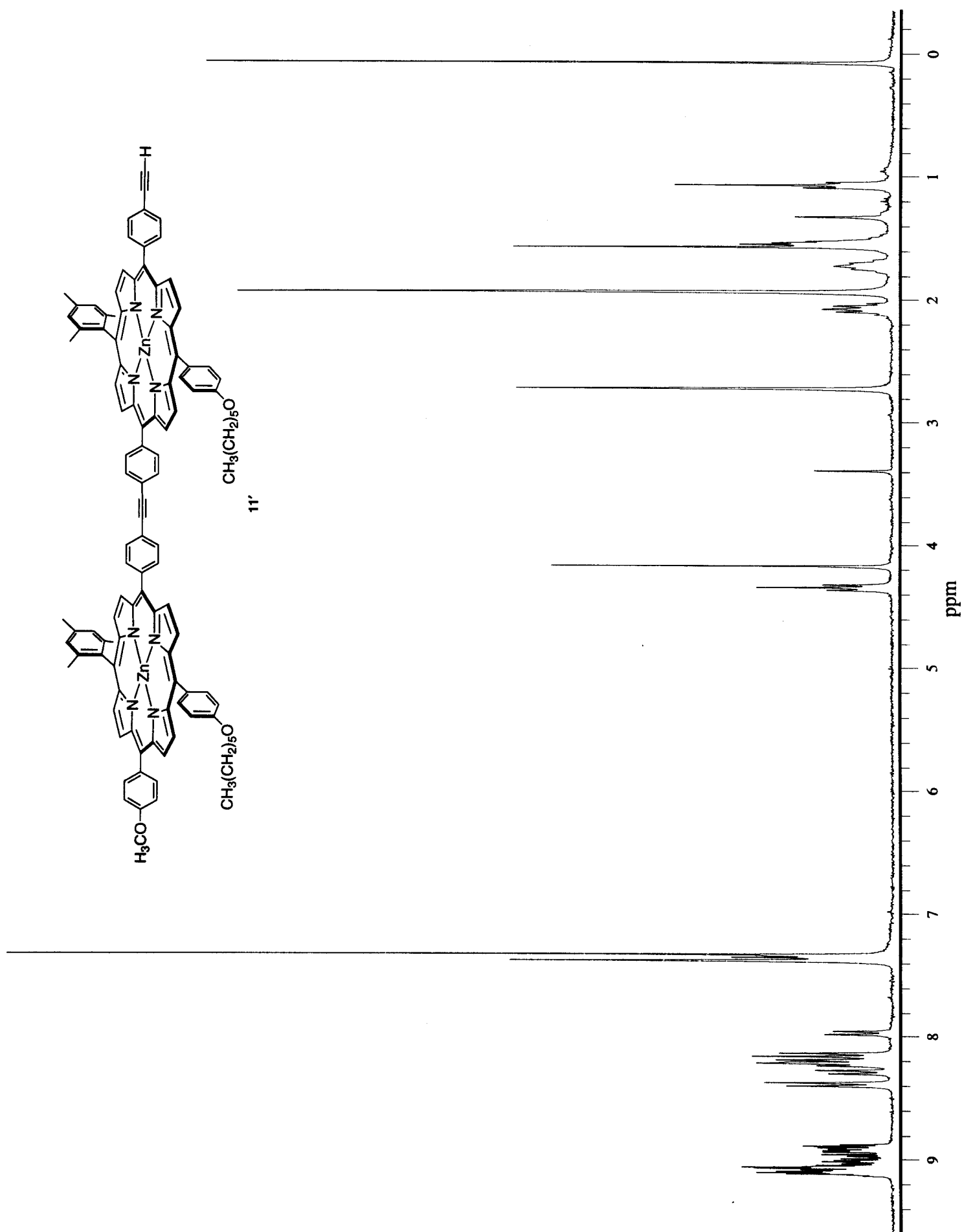
Multiplier : 1.000000

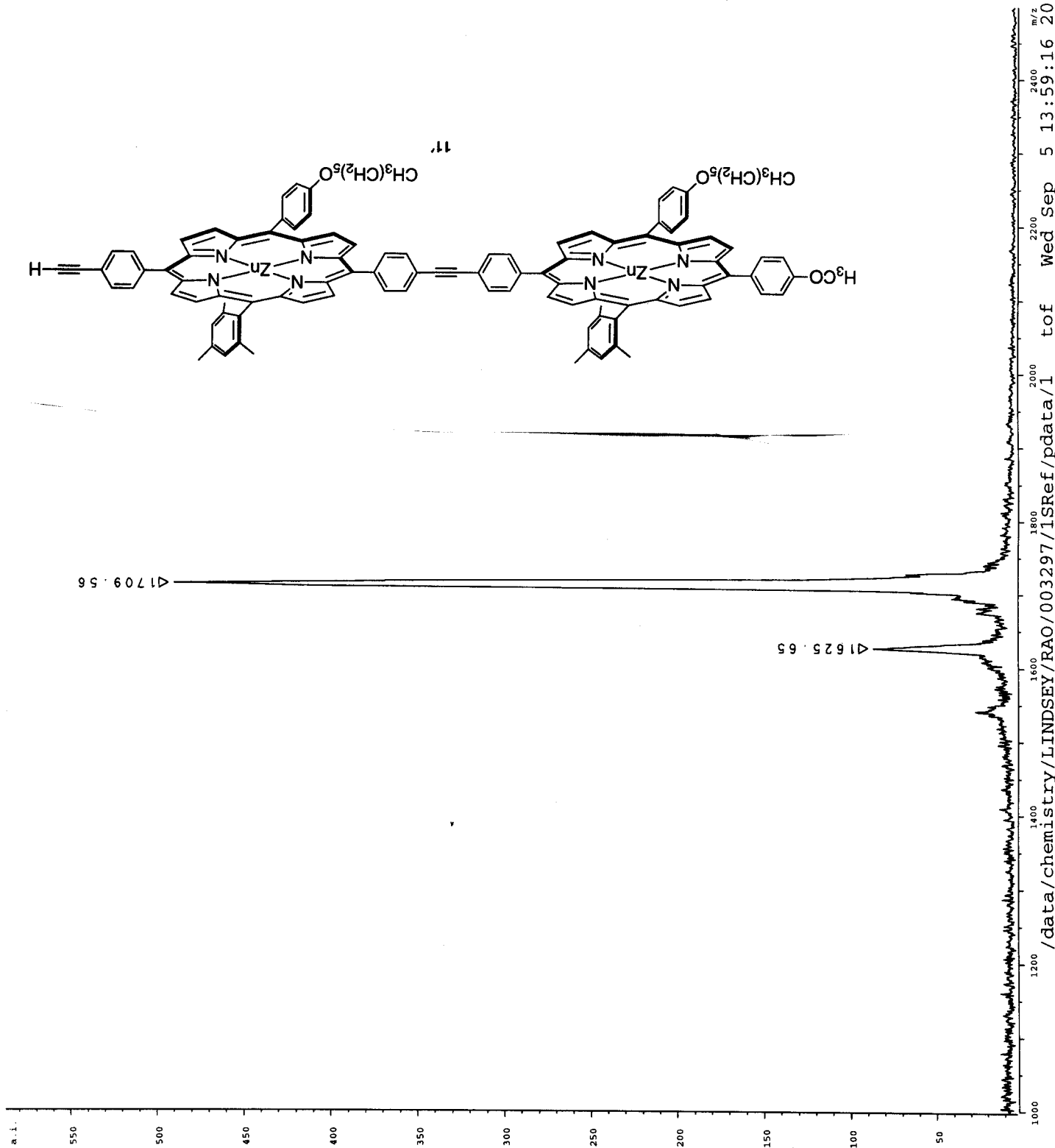
Dilution : 1.000000

Signal 1: DAD1 A, Sig=420,10 Ref=475,10

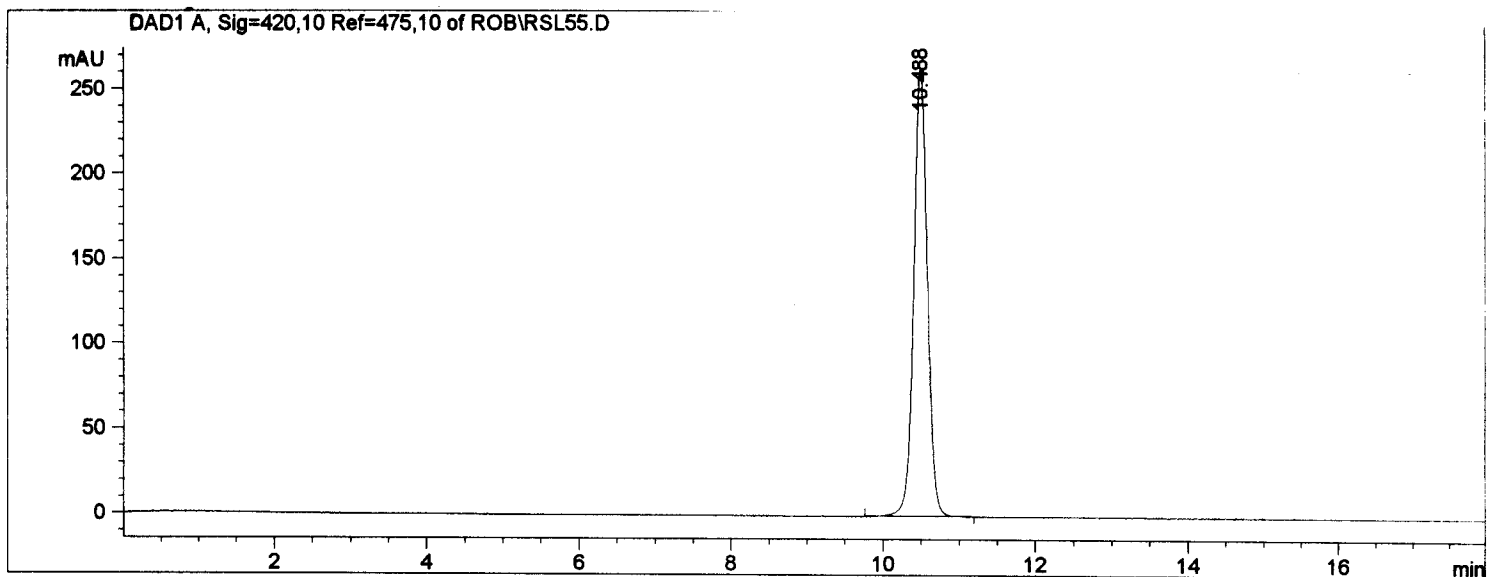
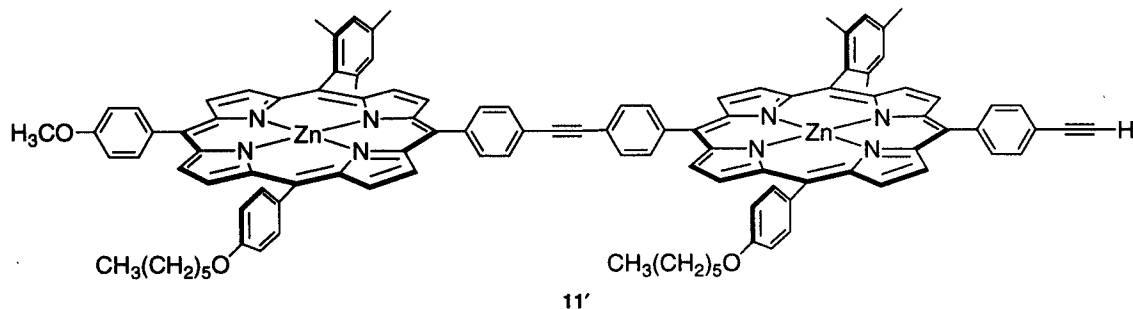
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.895	BB	0.241	7406.20801	477.01923	100.0000

Totals : 7406.20801 477.01923





INSTRUM TOF
 OPID N. Srinivasan
 METHOD 003297
 SAMPLE 18 15:49:21 2000
 PATH /data/chemistry/LINDSEY/RAO
 POLARI POS
 AOP_m Reflector
 TD 40000
 NSHOTS 8
 SHORUM 1
 SHOTS2 1
 SHOTS3 0
 DW 1.00 [ns]
 DELAY 0 [ms]
 Uis1 20.00 [KV]
 Uis2 18.70 [KV]
 Uis3 7.50 [KV]
 Uis4 7.50 [KV]
 Uis5 10.00 [KV]
 RefFull 0.00 [KV]
 UdetL 1.50 [KV]
 UdetR 0.00 [KV]
 Udet1 2.00 [KV]
 Udet2 2.00 [KV]
 ATTEM 30.0 [Hz]
 ML1 2067125.193
 ML2 333.982
 ML3 0.000
 HITURBO no
 GIBON yes
 GIBON2 yes
 DEFON no
 RLSND no
 LNSND no
 UISZND no
 DPCAL 510.84 [Da]
 DPMASS 700.00 [Da]
 LINDVAL 0.23
 IS2BNV 0.91
 CMT1 RSL67
 CMT2



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 Area Percent Report
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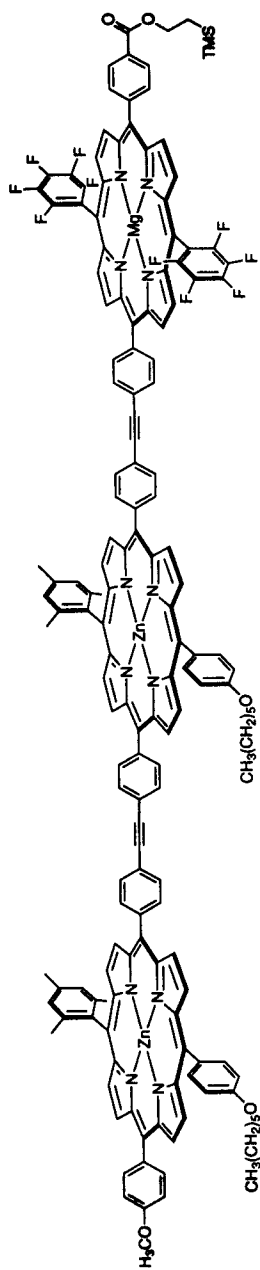
Sorted by Signal

Multiplier : 1.000000
 Dilution : 1.000000

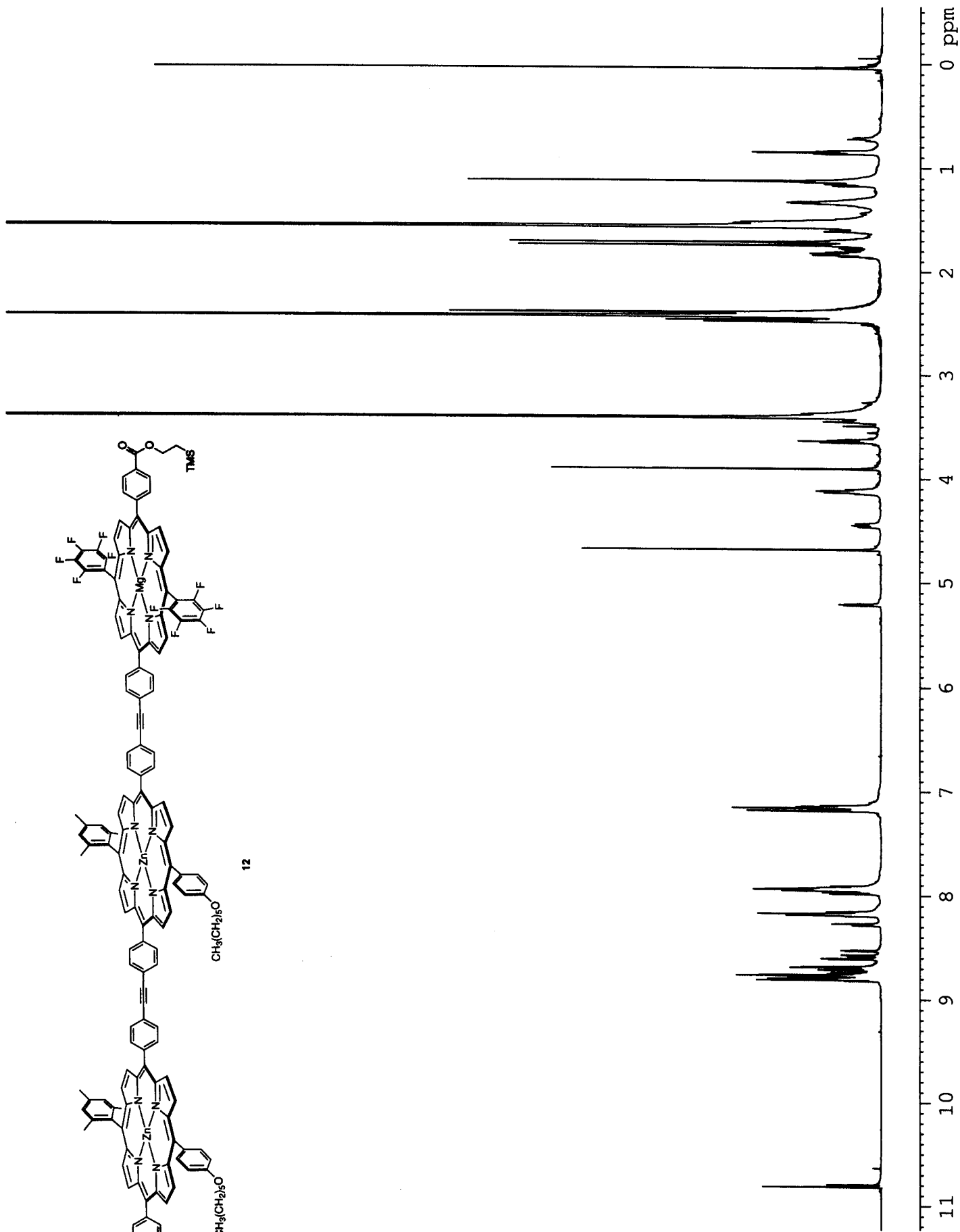
Signal 1: DAD1 A, Sig=420,10 Ref=475,10

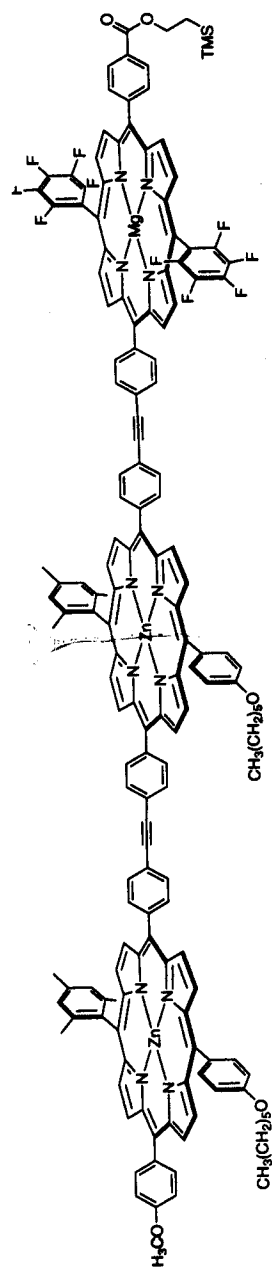
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.488	BB	0.194	3268.95679	262.12158	100.0000

Totals : 3268.95679 262.12158

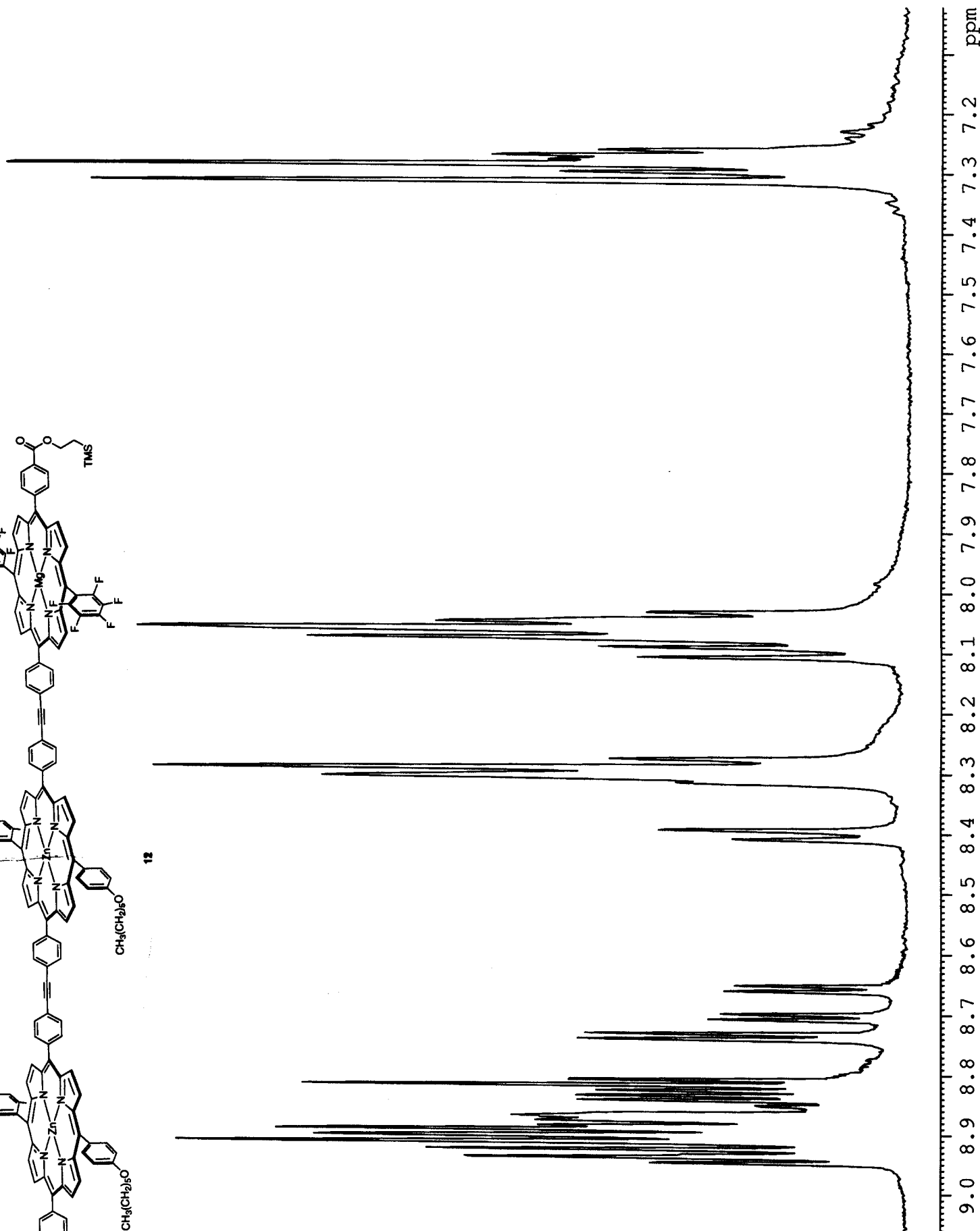


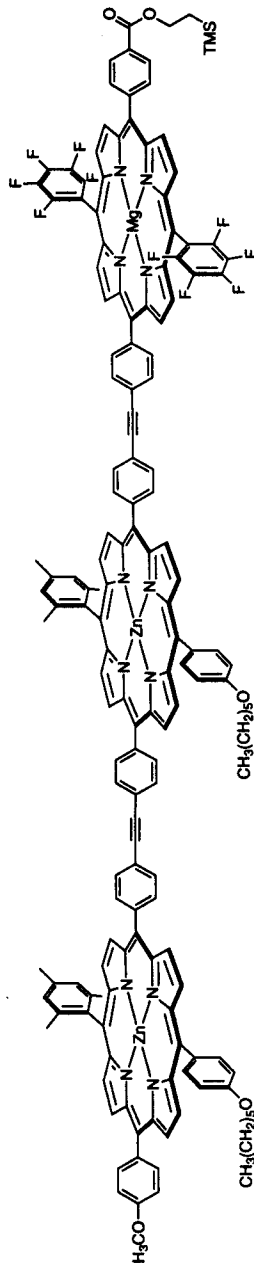
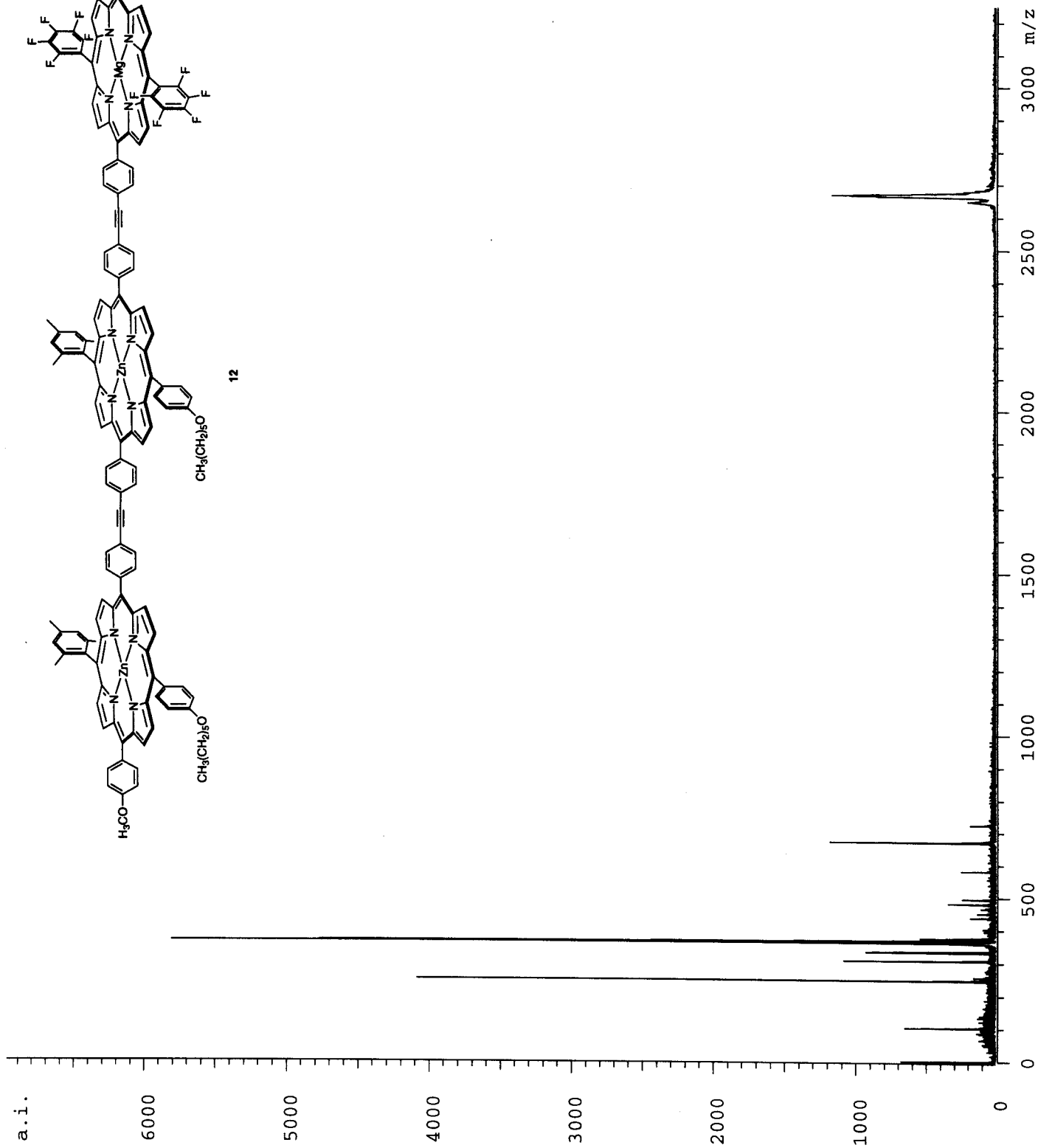
12





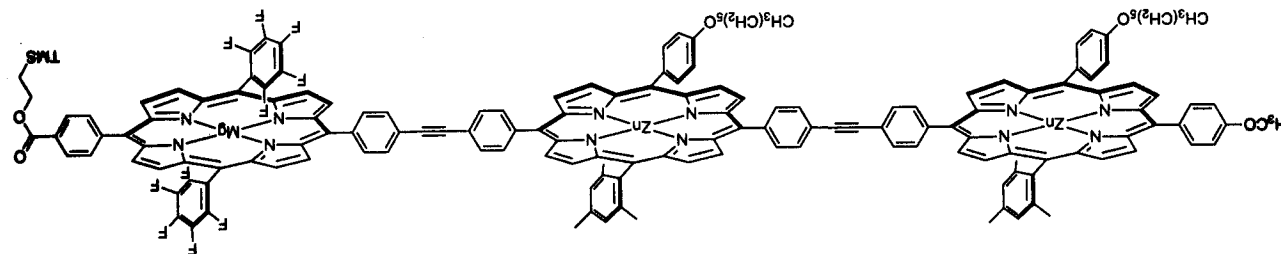
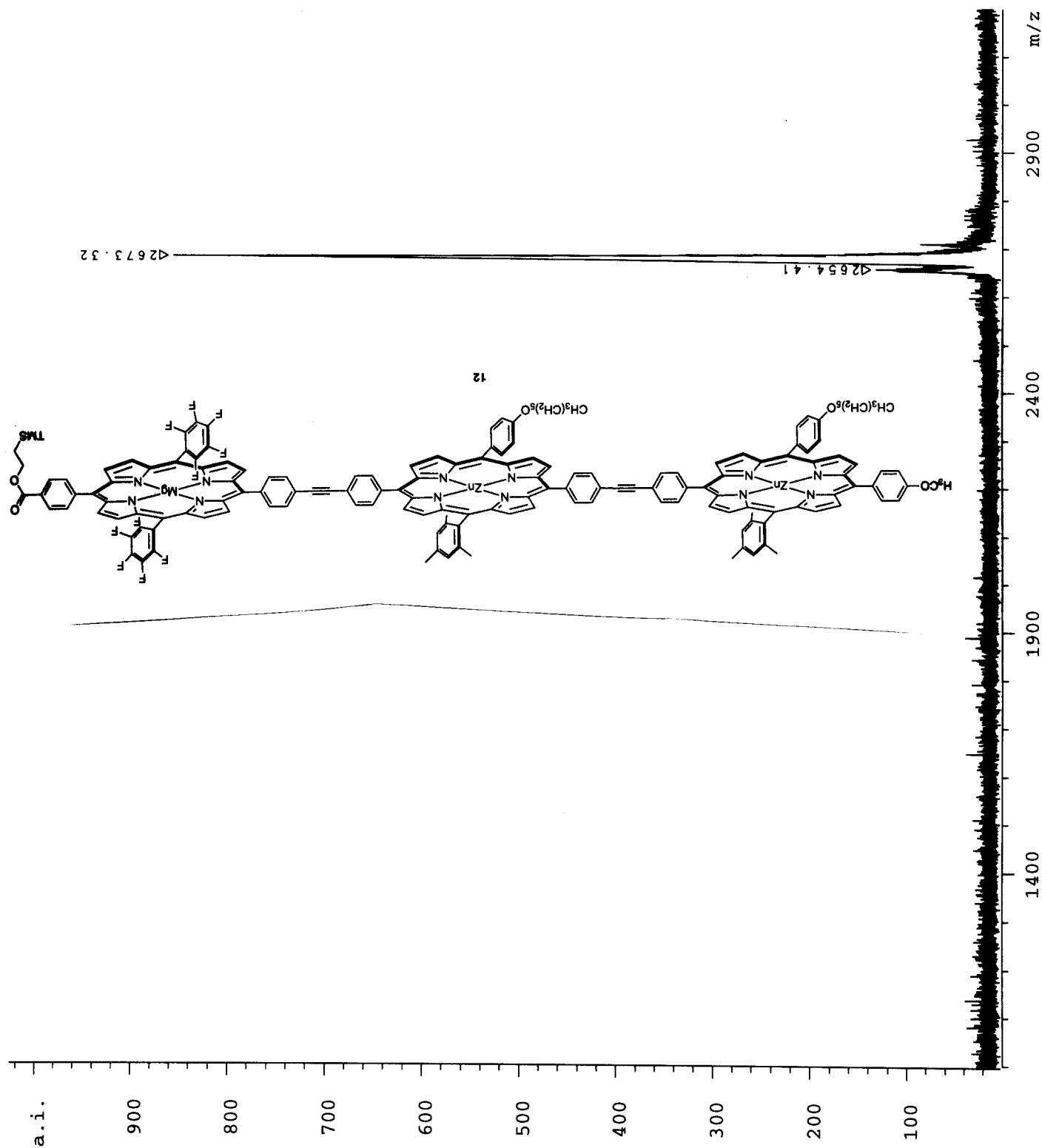
12



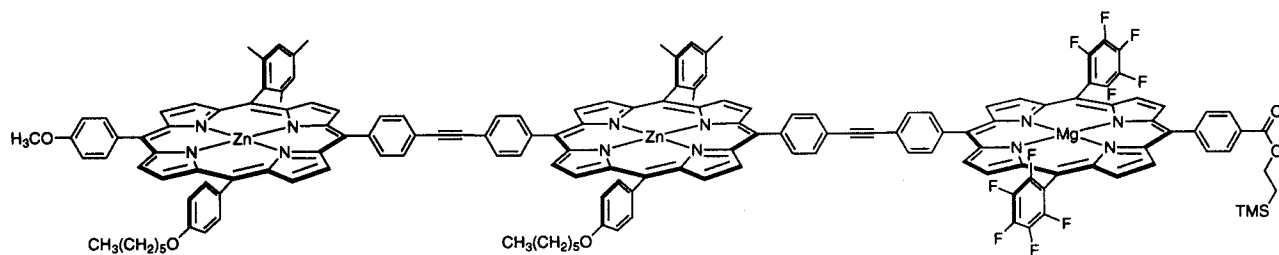


12

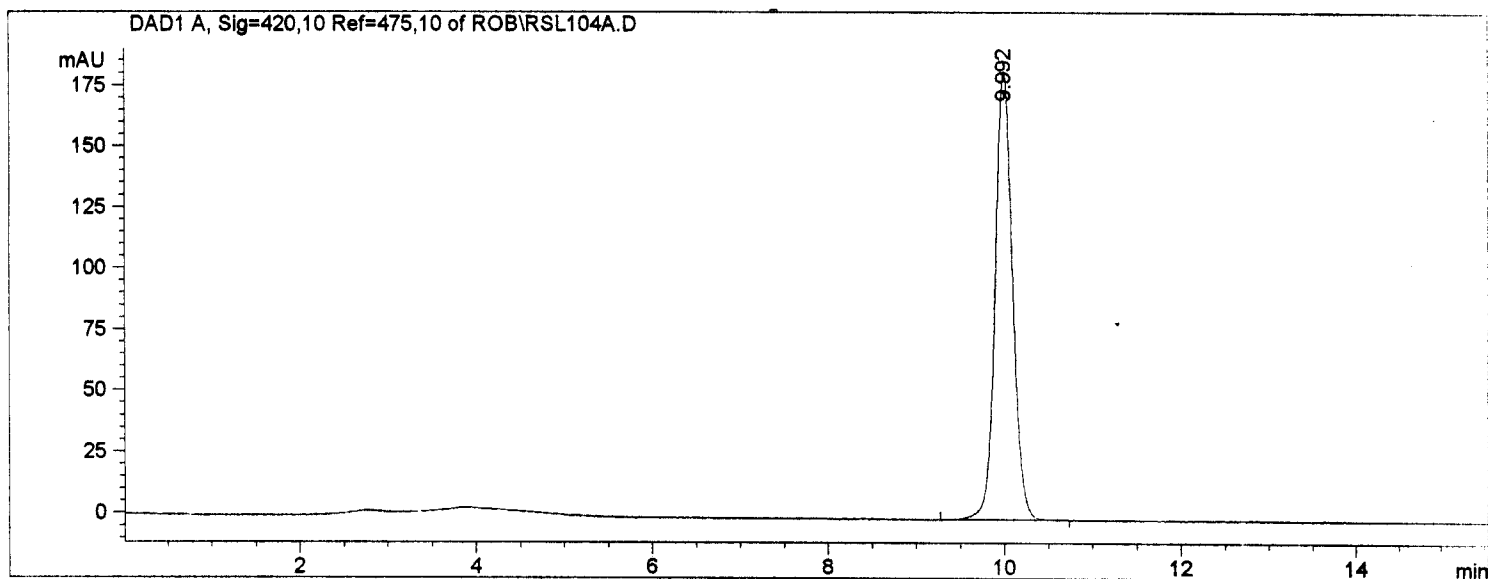
INSTRUM TOF
OpId N. Srinivasan
SPEXRM 003969
ACQDATE Mon Dec 4 11:52:50 2000
DATA /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 490000
NOSHOTS
SHONUM
SMOPTS1 26
SMOPTS2 0
SMOPTS3 0
DW 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.70 [KV]
Uref1 7.50 [KV]
Uis3 10.00 [KV]
Ubmss 10.00 [KV]
RefPull 1.50 [KV]
UdetL 1.50 [KV]
UdetR 0.00 [KV]
Udef1 2.00 [KV]
REFHZ 4.00 [Hz]
ATTEN 2067125.193
ML1 313.982
ML2 0.000
ML3
HITURBO no
GDEON yes
GDELY short
GDESS no
RANSND no
LINSND no
UIS2END no
DPCAL1 510.84 [Da]
DPMAS 700.00 [Da]
RENDVAL 0.33
LINSNDV 0.91
IS2ENDV 0.91
CMT1 RSL104
CMT2 POPOP



INSTRUM TOP
OpId N. Srinivasan
SMPNAM 003968
ACQDATE Mon Dec 4 11:49:57 2000
DATA /data/chemistry/LINDSEY/RAO
POLAR POS
AOPC_m Reflector
TD 40000
NoSHOTS 69
SMONUM 0
SMOPTS1 0
SMOPTS2 0
SMOPTS3 0
DM 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.70 [KV]
Uref1 0.00 [KV]
Uref2 0.00 [KV]
Uens 10.50 [KV]
Uref3 10.00 [KV]
RefFull 1.50 [KV]
Udet1 0.00 [KV]
Udet2 0.00 [KV]
Udef1 2.00 [KV]
REPH2 1.00 [Hz]
ATTEN 47.0
ML1 2071845
ML2 329.882
ML3 0.000
HITURBO no
GDEON yes
GDEDL short
REFON no
REFND no
LINSND no
UIS2END no
DPCAL1 510.84
DPMAS 700.00 [Da]
RNDVAL 0.33
LNDVAL 0.28
LNSNDV 0.91
CMT1 RSL104
CMT2 POPOP



12



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Area Percent Report
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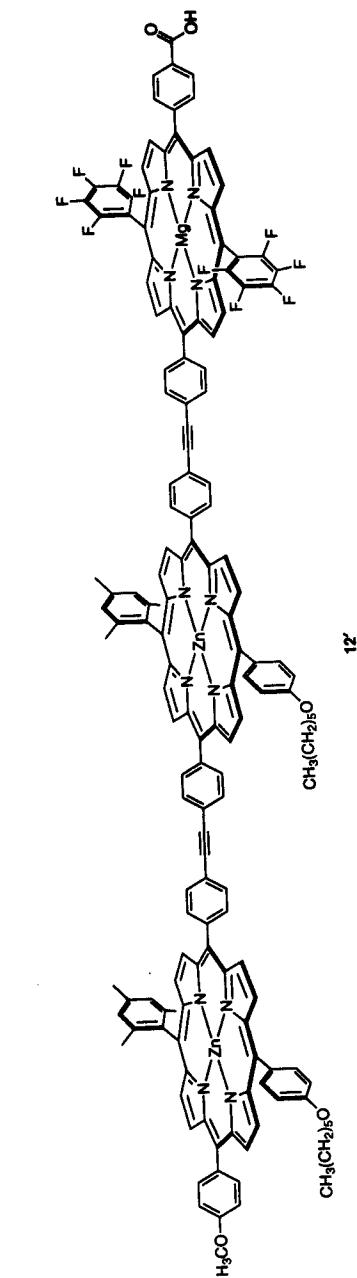
Sorted by Signal

Multiplier : 1.000000
Dilution : 1.000000

Signal 1: DAD1 A, Sig=420,10 Ref=475,10

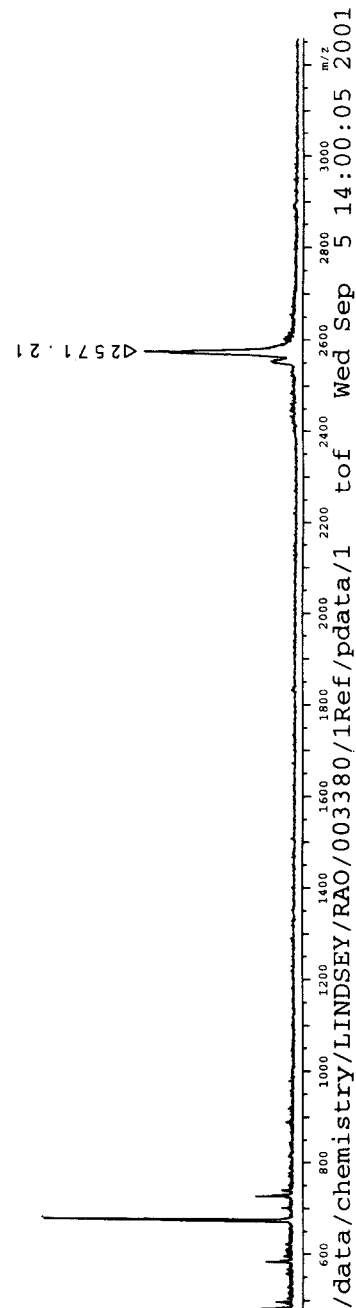
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.992	BB	0.214	2537.39478	183.02312	100.0000

Totals : 2537.39478 183.02312

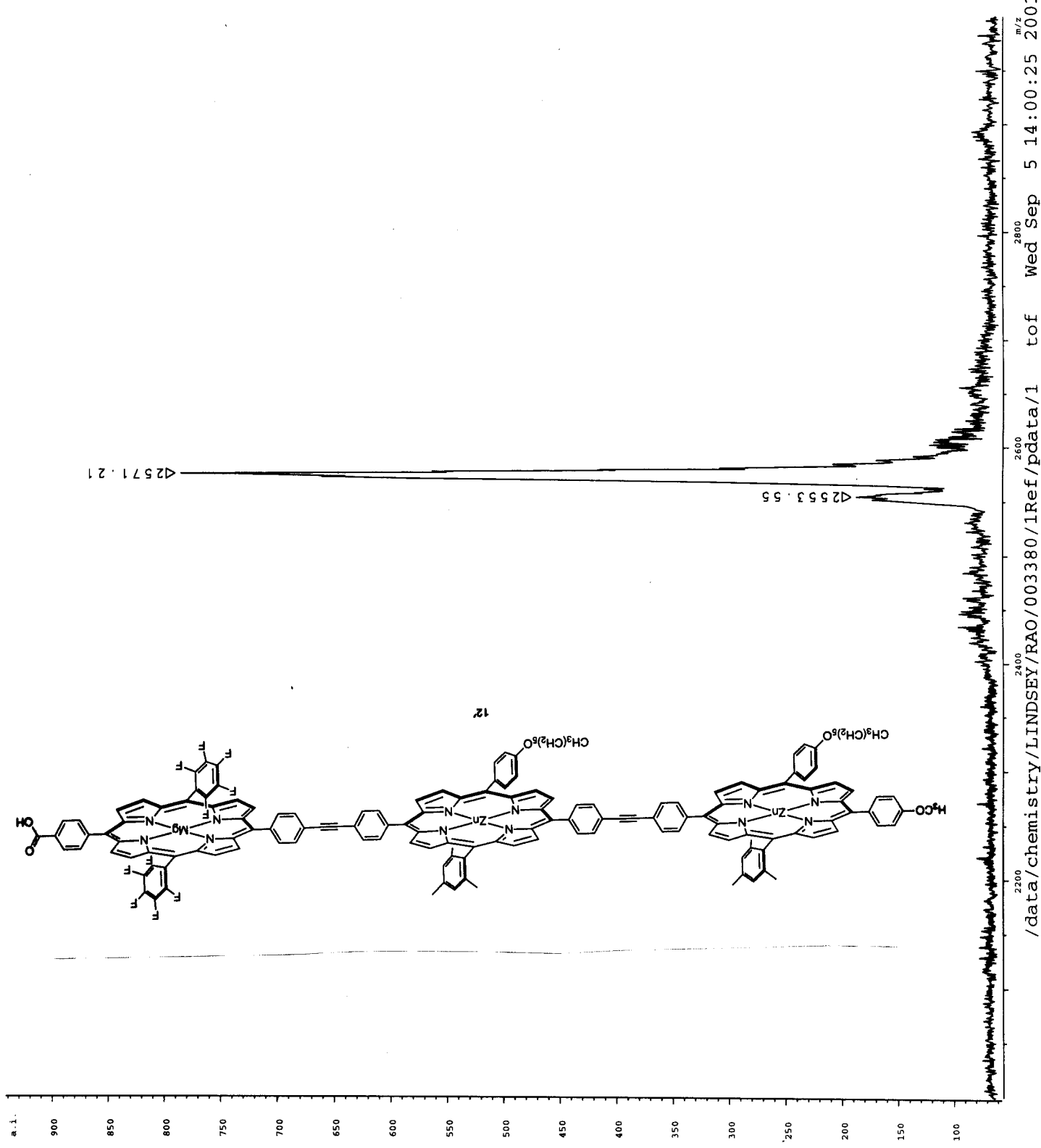


12

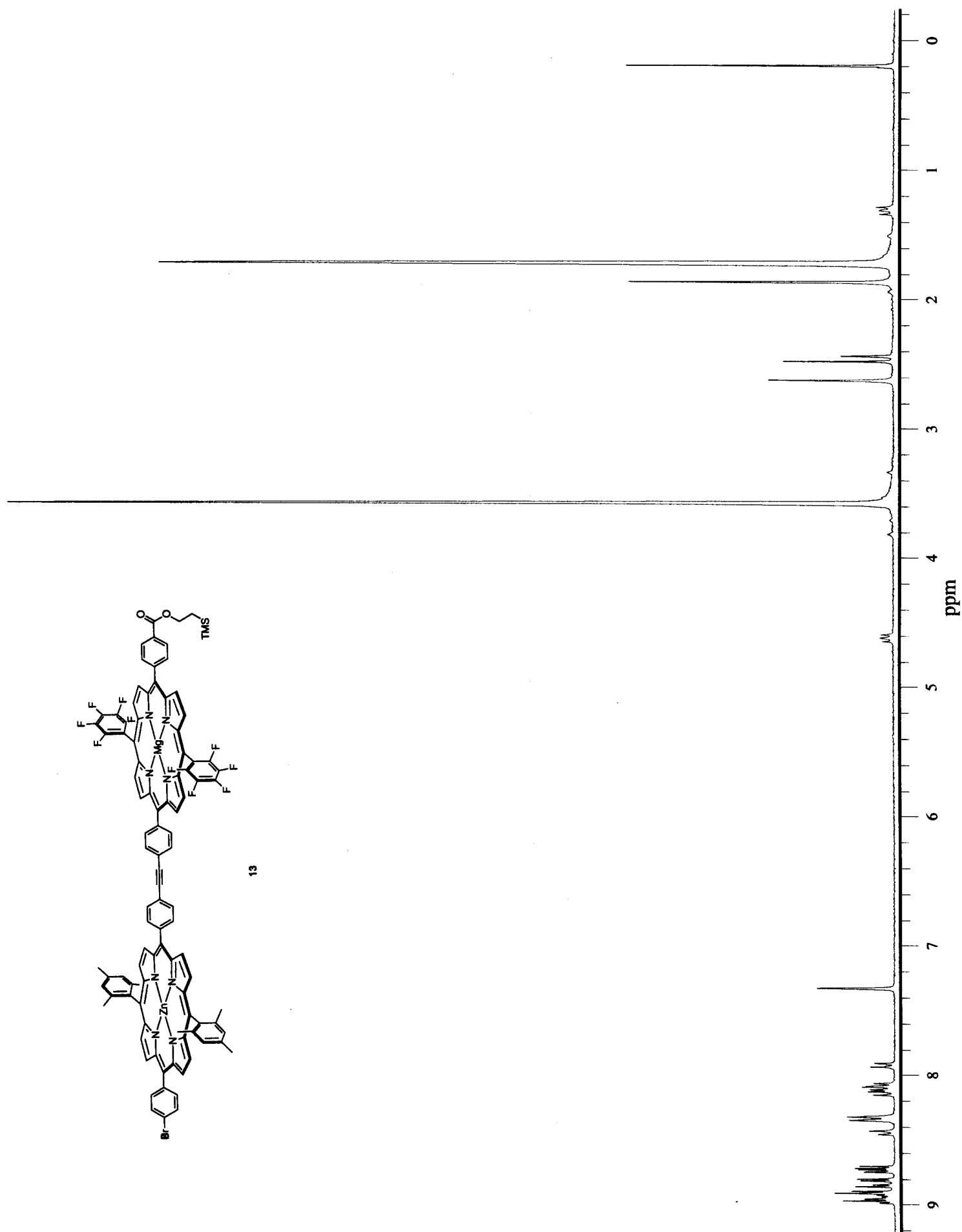
INSTRUM TOF
OpId Unknown
SMPNAM 003380
AQ DATE Thu Sep 28 12:20:51 2000
PDATA /data/chemistry/LINDSEY/RAO
POLAR POS
AOP_m Reflector
TD 40000
NoSHOTS 100
SMONUM 2
SMOPTS1 5
SMOPTS2 0
SMOPTS3 0
DW 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [kV]
Uis2 18.50 [kV]
Uref1 9.00 [kV]
Uref2 9.00 [kV]
Ubmass 10.00 [kV]
RefFull 0.00 [kV]
UdetL 1.55 [kV]
UdetR 0.00 [kV]
Udef1 2.00 [kV]
REPHZ 1.00 [Hz]
M1 2072740.842
M2 341.239
M3 0.000
HITURBO no
GDEON yes
GDELY short
GDESS no
LANSND no
LANSND no
UIS2END no
DPCAL1 510.84
DPMAS 200.00 [Da]
RNUVAL 0.33
RNUVAL 0.33
IS2BNDV 0.91
CMT1 RSL70
CMT2 attn = 45, 100 shots



/data/chemistry/LINDSEY/RAO/003380/1Ref/pdata/1 tof Wed Sep 5 14:00:05 2001



INSTRUM TOP
APD
CHARGE 0.000
SPIN 0.000
AQ DATE Thu Sep 28 12:20:51 2000
PATH /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 40000
RGSHOTS 100
RGSHOT 2
SMOPTS1 5
SMOPTS2 5
SMOPTS3 0
DW 1.00 [ns]
DELAY 0 [ns]
U1a1 20.00 [KV]
U1a2 10.00 [KV]
U1a3 10.00 [KV]
U1a4 7.50 [KV]
U1a5 10.00 [KV]
U1mass 10.00 [KV]
RefFull 1.55 [KV]
UdetL 0.00 [KV]
UdetR 0.00 [KV]
UdetL2 0.00 [KV]
REP4Z 1.00 [Hz]
ATTEN 45.0
ML1 2072740.842
ML2 341.239
ML3 0.000
HITURBO no
HITURBO no
GDELY no
GDELY no
DEFION no
RLNSND no
RLNSND no
LINSND no
LINSND no
UTS2ND no
DPCAL 510.84 [Da]
DPCAL 200.33 [Da]
REMOVAL 0.28
LINSNDV 0.91
IS2ENDV
RSL70
CMT1
CMT2 attn = 45, 100 shots



a.i.

1100

1050

1000

950

900

850

800

750

700

650

600

550

500

450

400

350

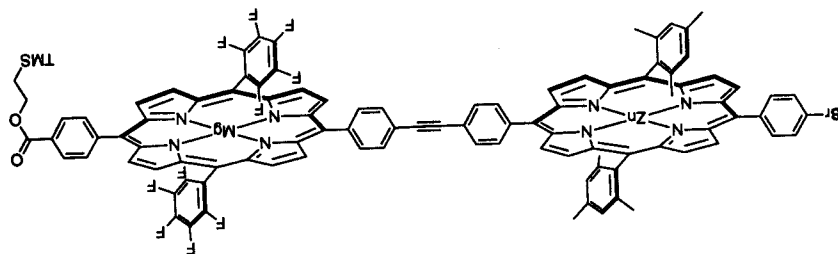
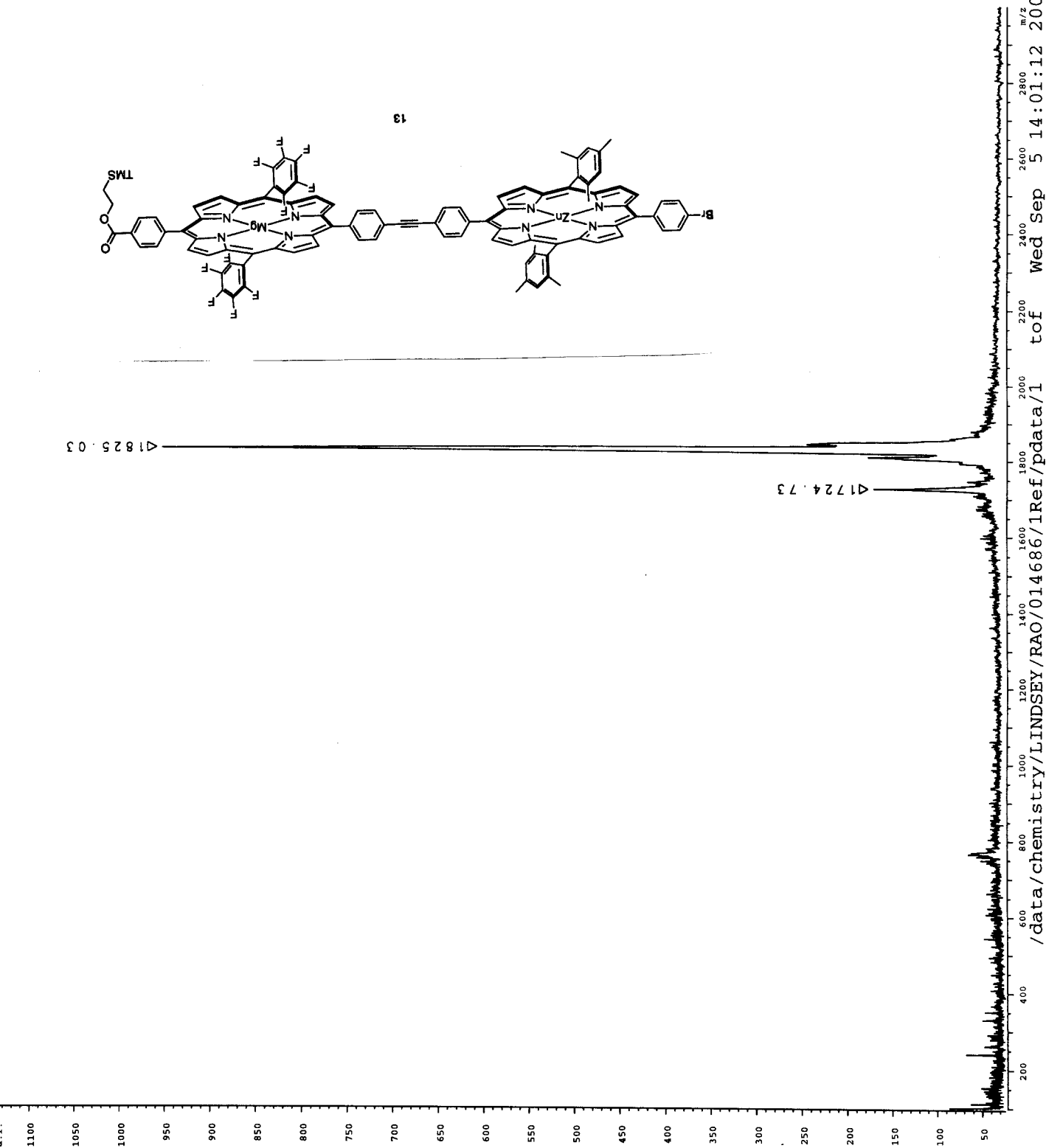
300

250

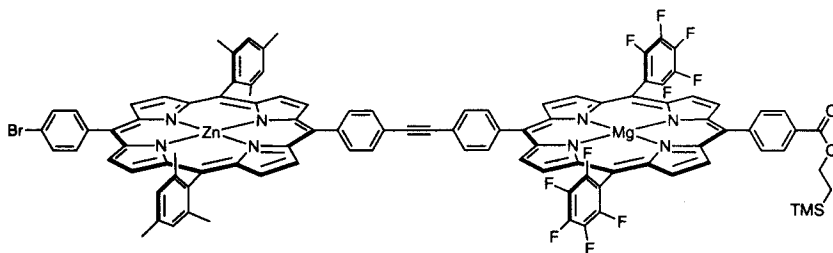
200

150

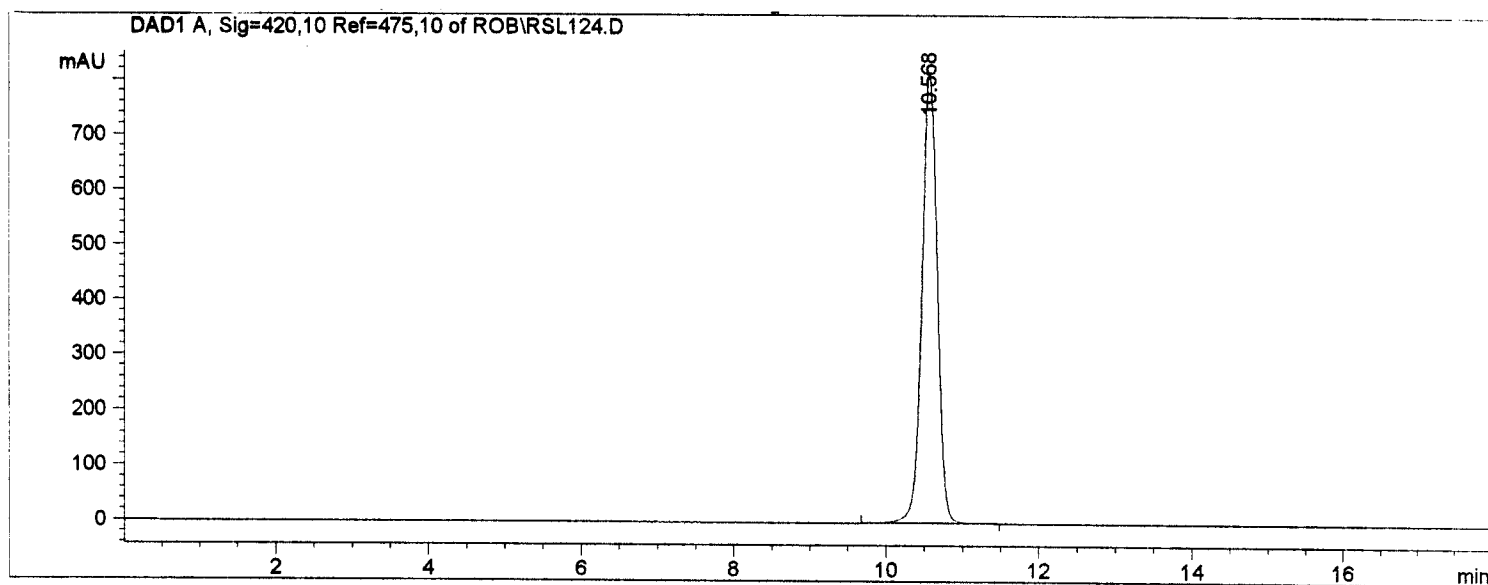
100



INSTRUM TOF
OpId Unknown
SPPNAM 014686
ACQDATE Wed Jan 24 15:36:18 2001
SPPNAME /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 40000
NSHOTS 104
SNOONUM 2
SNOPTS1 6
SNOPTS2 15
SNOPTS3 0
DM 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.50 [KV]
Uref1 9.50 [KV]
Uis3 9.50 [KV]
Uis4 9.50 [KV]
Uis5 10.00 [KV]
Uis6 10.00 [KV]
RefFull 0.00 [KV]
UdetL 1.55 [KV]
UdetR 0.00 [KV]
Udet1 2.00 [KV]
REFH2 0.00 [KV]
REFH1 11.00 [Hz]
ML1 2075534.819
ML2 352.413
ML3 0.000
HITURBO no
GDEON yes
GDELY short
GDELY no
GDELY no
PLANSND no
LANSND no
UIS2BND no
DPCAL1 510.84
DPMAS 200.00 [Da]
RENOVAL 0.33
RENOVAL 0.33
IS2BNDV 0.91
CMT1 RSL124
CMT2 no matrix



13



Area Percent Report

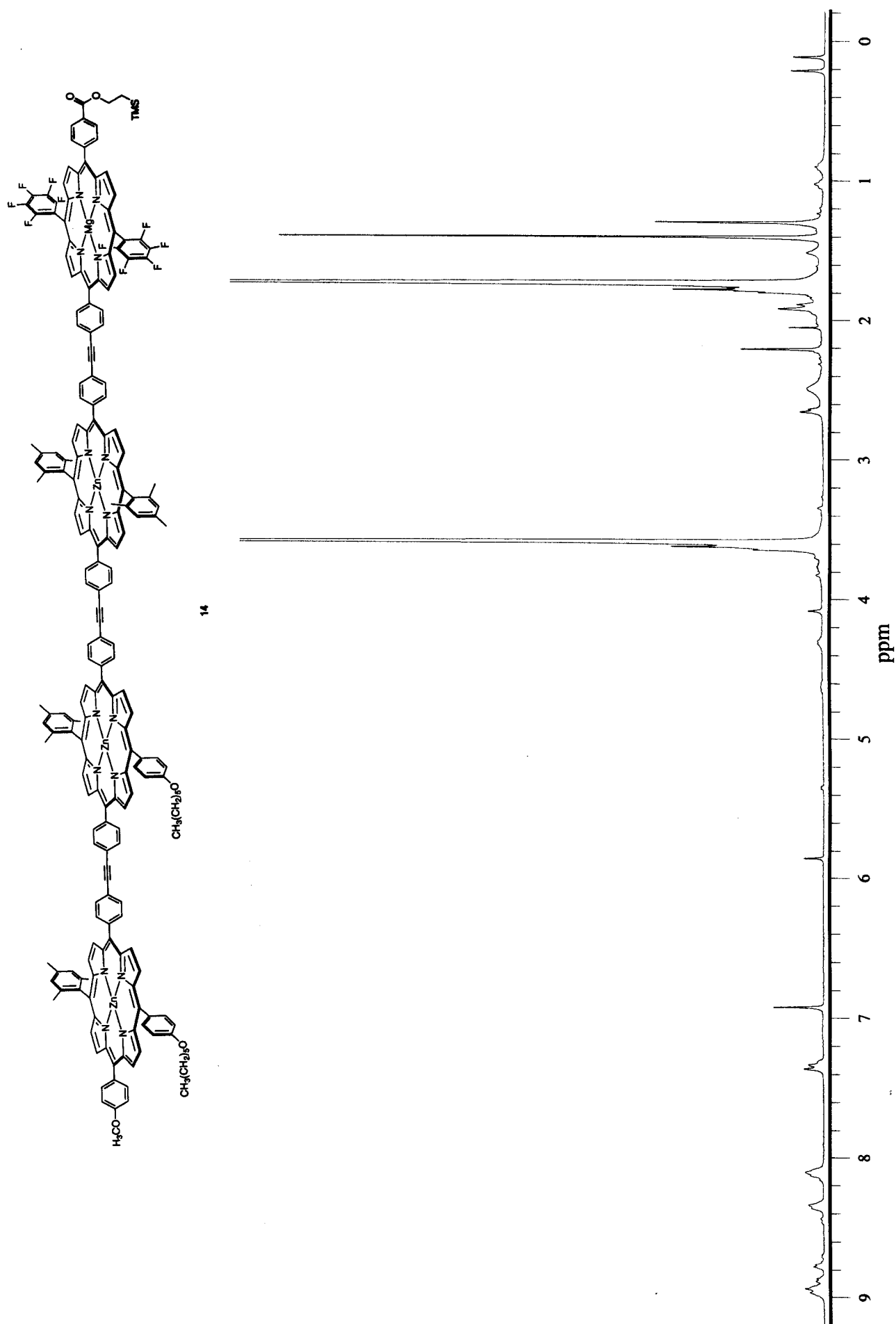
Sorted by Signal

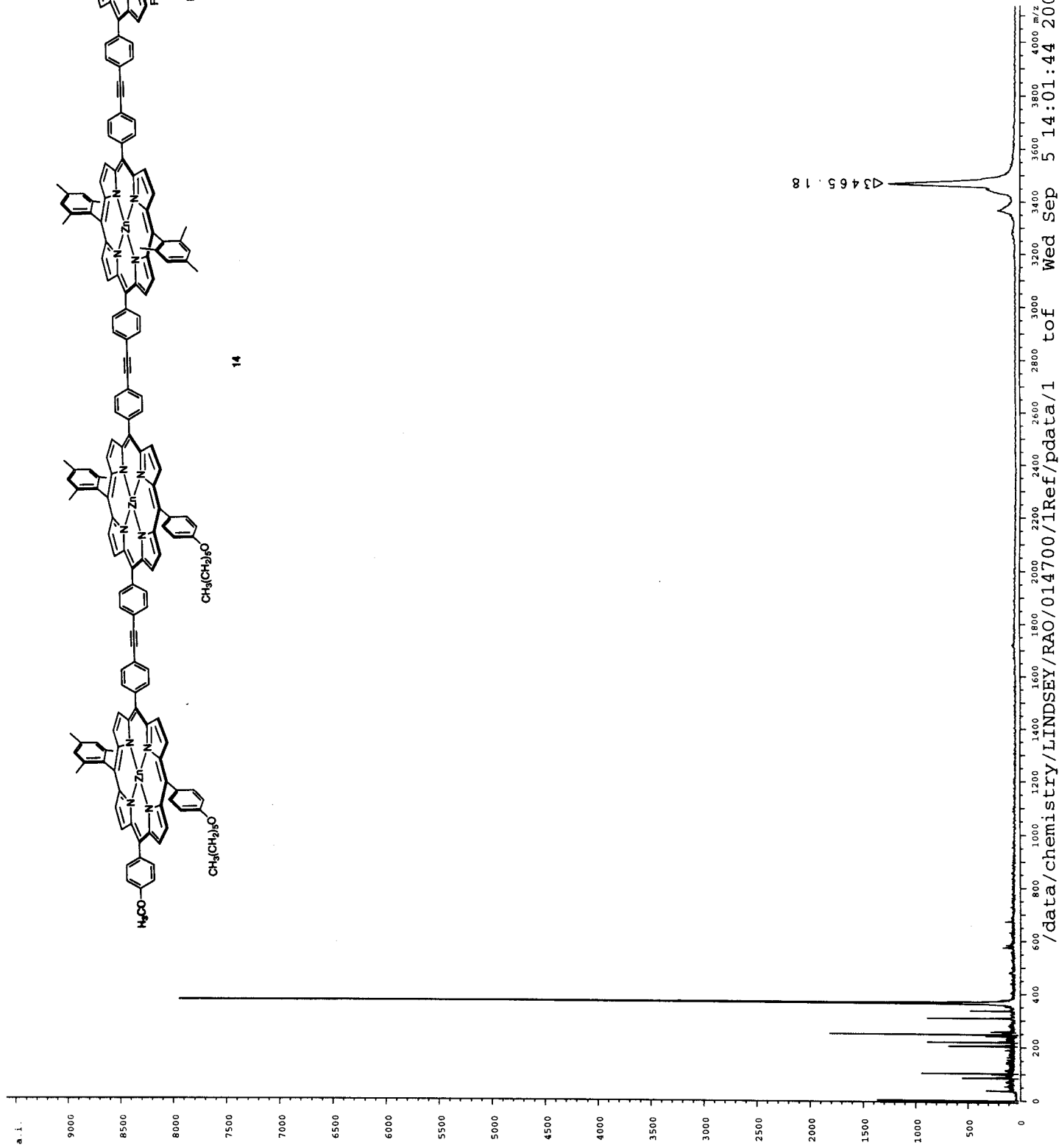
Multiplier : 1.000000
Dilution : 1.000000

Signal 1: DAD1 A, Sig=420,10 Ref=475,10

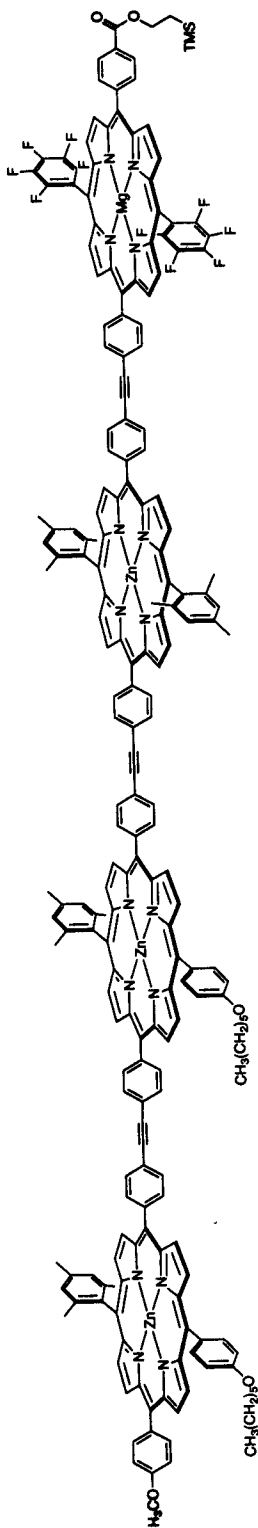
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.568	BB	0.220	11363.30566	813.24536	100.0000

Totals : 11363.30566 813.24536



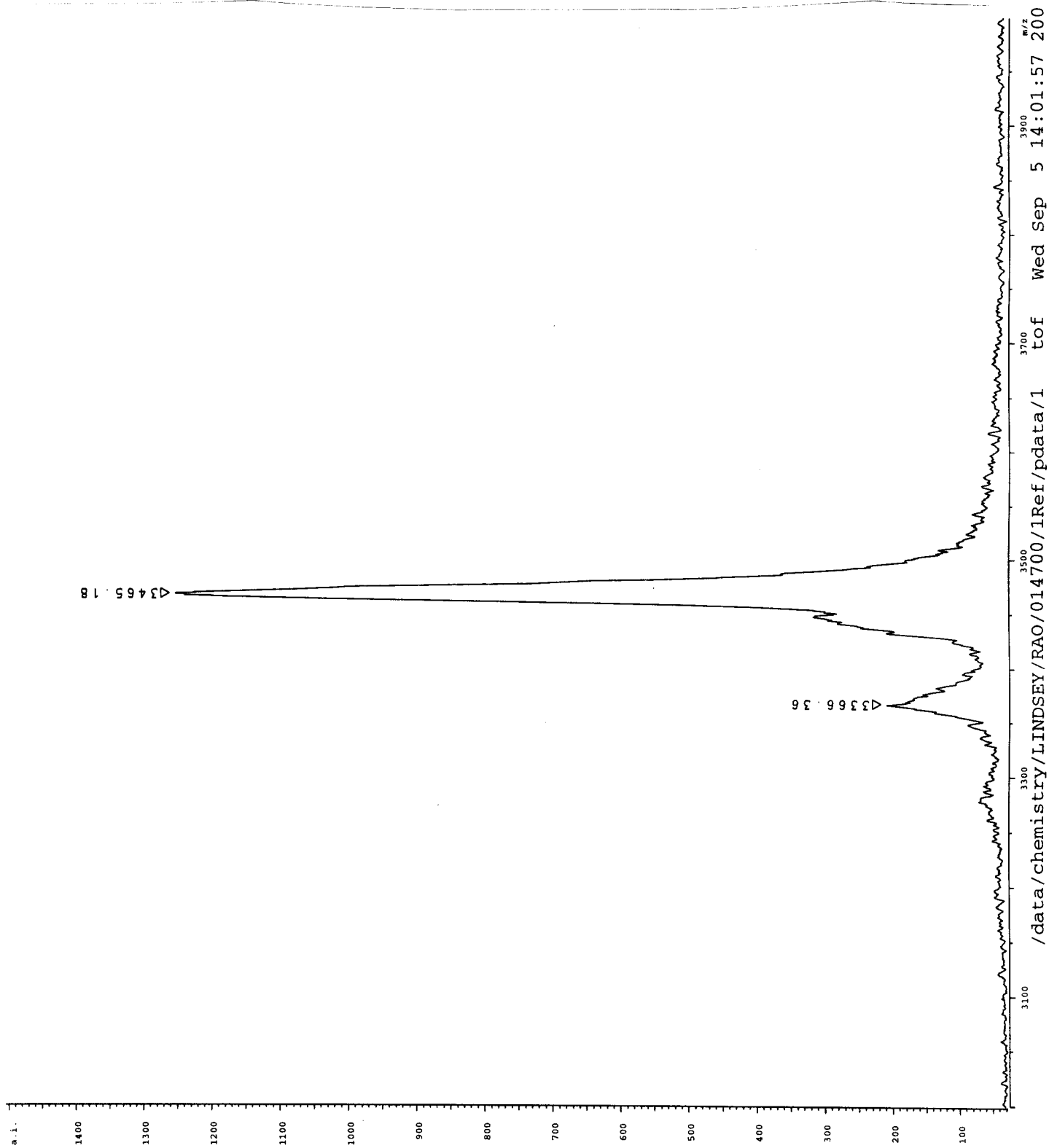
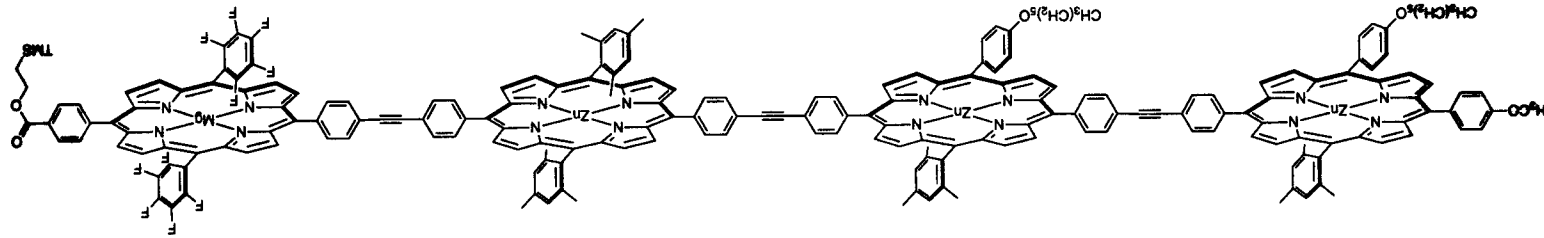


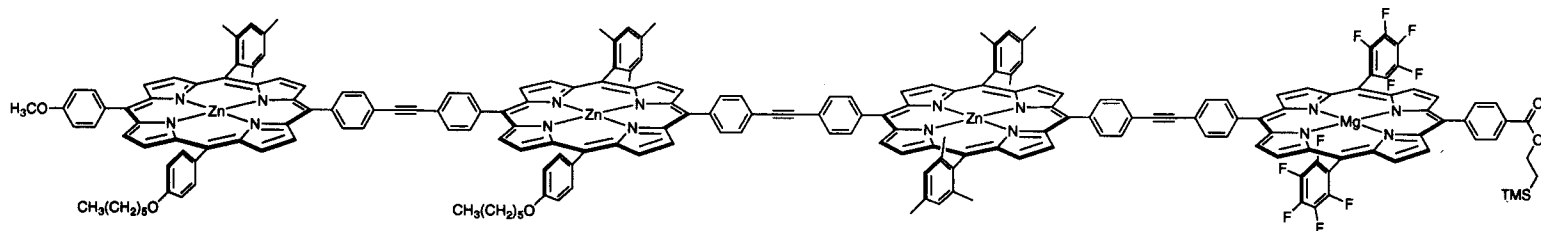
/data/chemistry/LINDSEY/RAO/014700/1Ref/pdata/1 tof Wed Sep 5 14:01:44 2001



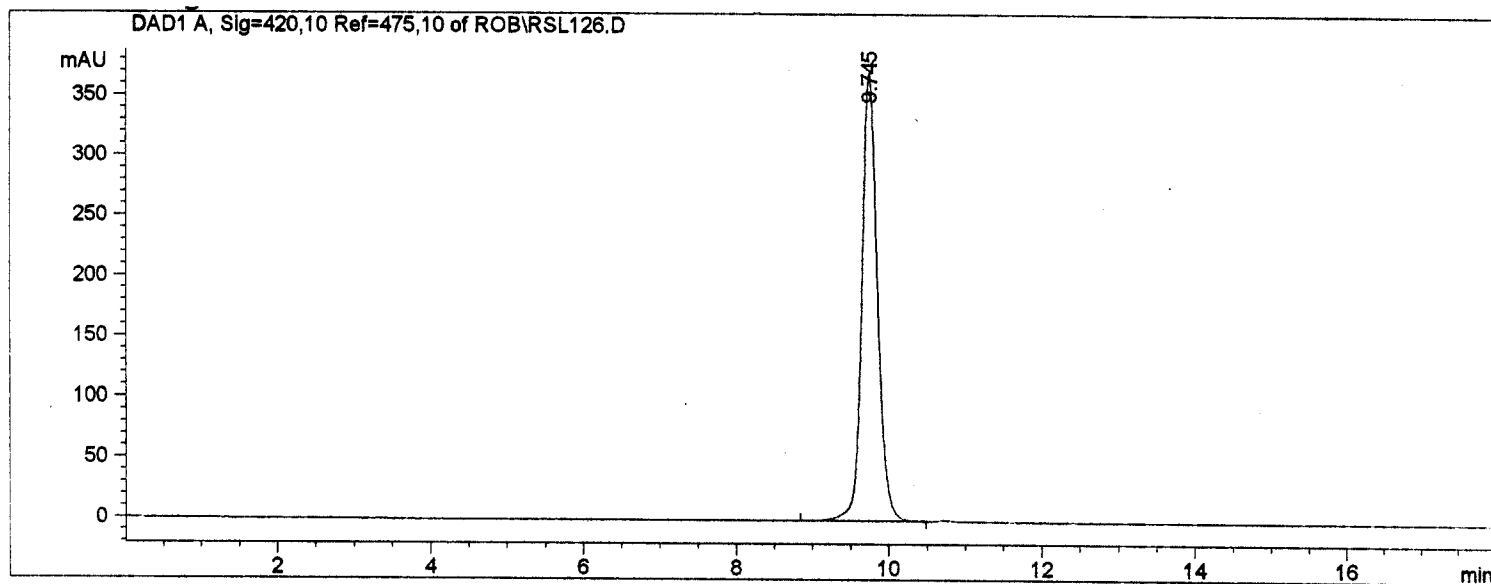
14

INSTRUM TOF
OpId Unknown
SHPNAM 014700
ACQDATE Mon Jan 29 12:01:19 2001
PULPROG Data/Chemistry/LINDSEY/RAO
POLARI POS
AQP_m Reflector
TD 45000
NoSHOTS 77
SHONUM 1
SHOTST1 1
SHOTST2 1
SHOTST3 0
DW 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.50 [KV]
Uref1 7.50 [KV]
Uref2 7.50 [KV]
Uis3 10.00 [KV]
Uis4 10.00 [KV]
RefPull 1.55 [KV]
UdetL 0.00 [KV]
UdetR 0.00 [KV]
Udef1 2.00 [KV]
Udef2 1.00 [Hz]
Udef3 30.00 [Hz]
ML1 2077839.468
ML2 353.368
ML3 0.000
HITURBO no
GDEON yes
GDELY short
GDEPR no
GDESD no
RLS2END no
LINS2END no
UIS2END no
DPCAL1 510.84 [Da]
DPMAS 200.00
RNOVAL 0.3
RNOVAL 0.23
IS2RNDV 0.91
CMT1 RSL126
CMT2 no matrix





14



Area Percent Report

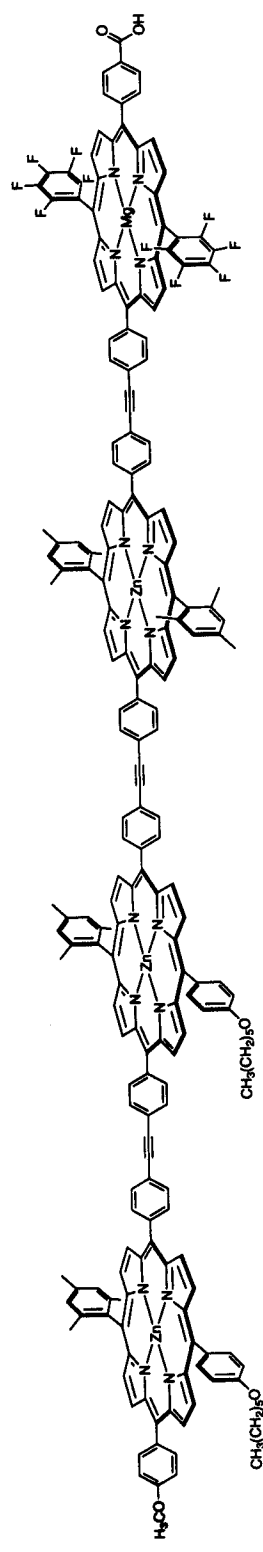
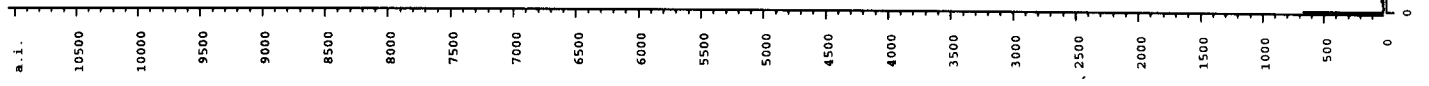
Sorted by Signal

Multiplier : 1.000000
Dilution : 1.000000

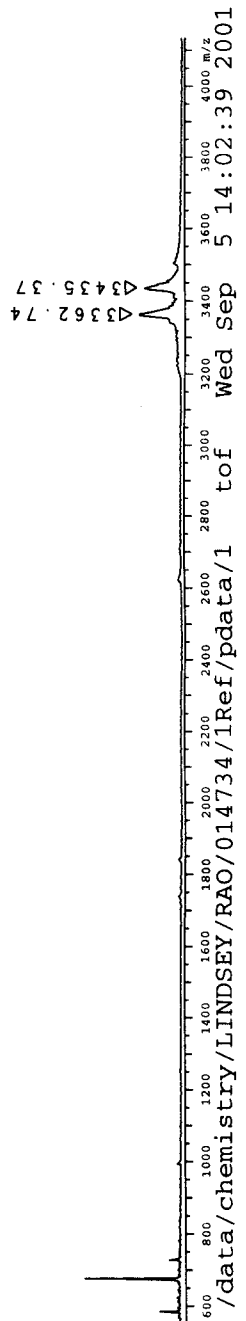
Signal 1: DAD1 A, Sig=420,10 Ref=475,10

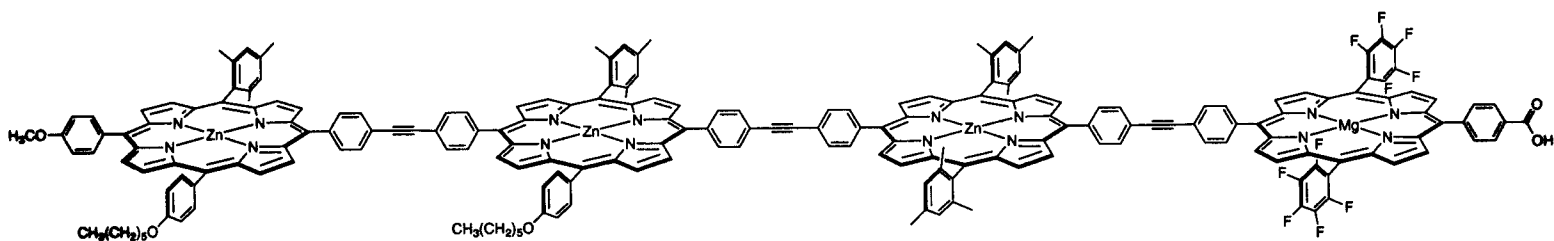
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.745	BV	0.217	5264.13623	371.07904	100.0000

Totals : 5264.13623 371.07904

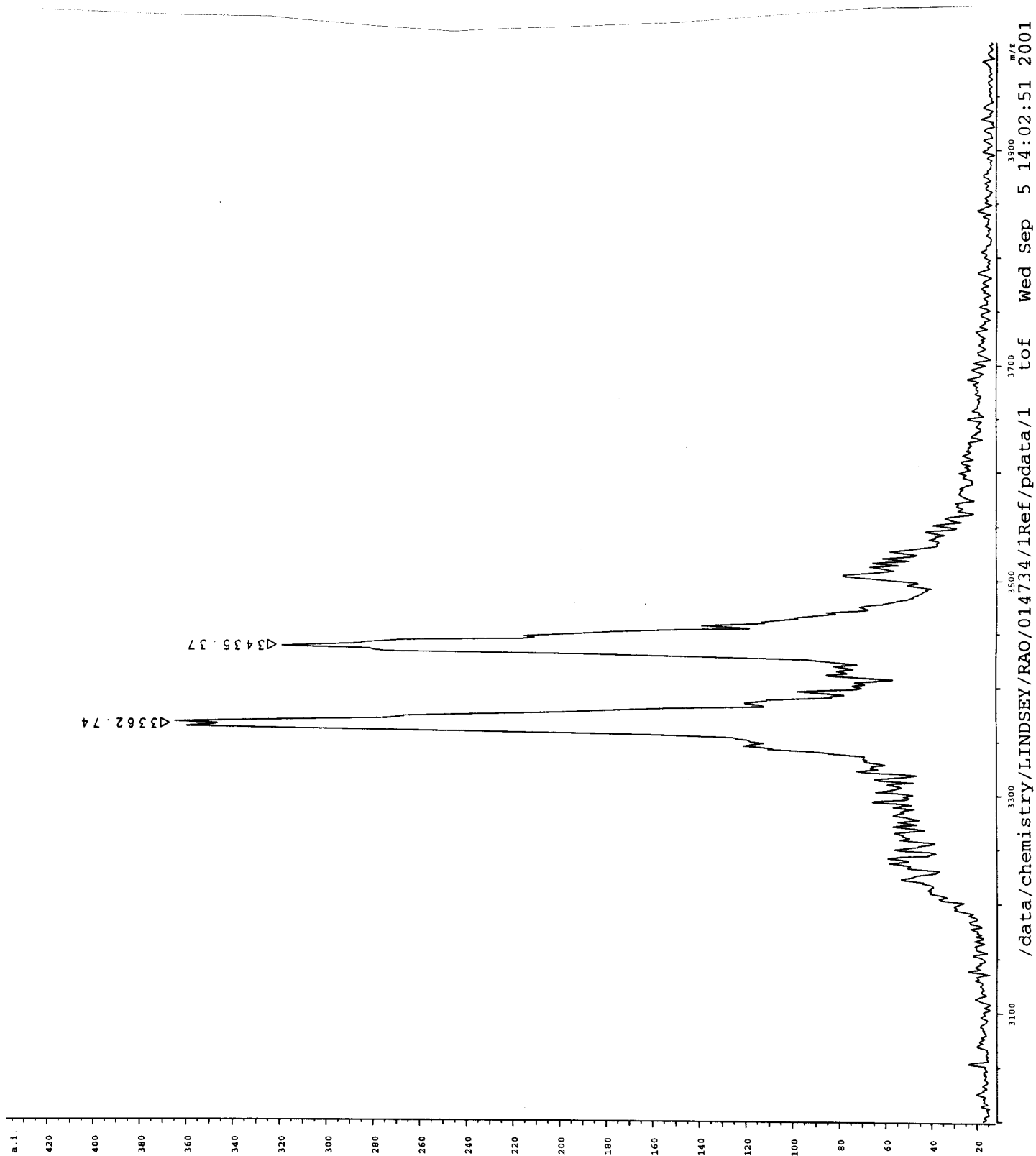


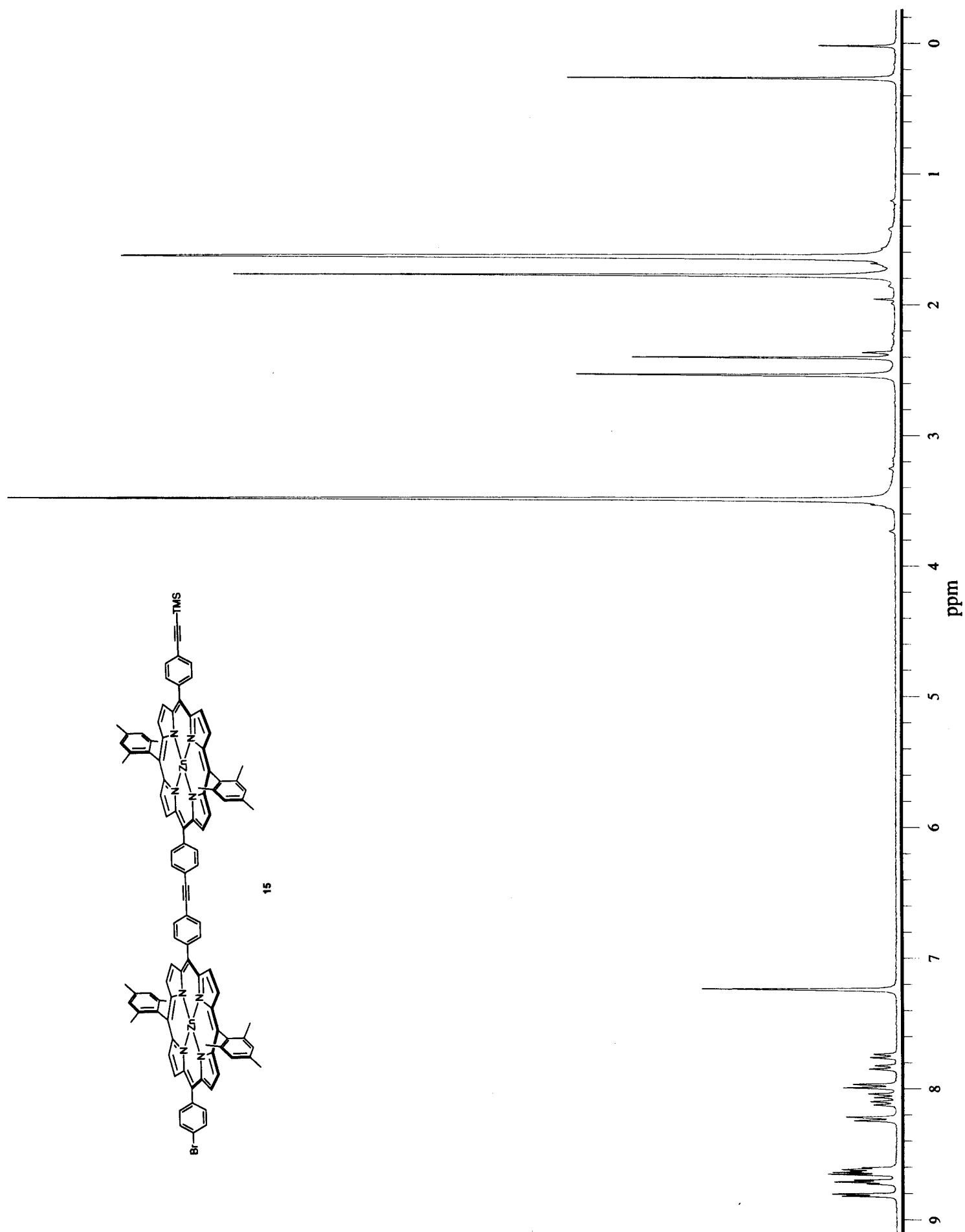
14.

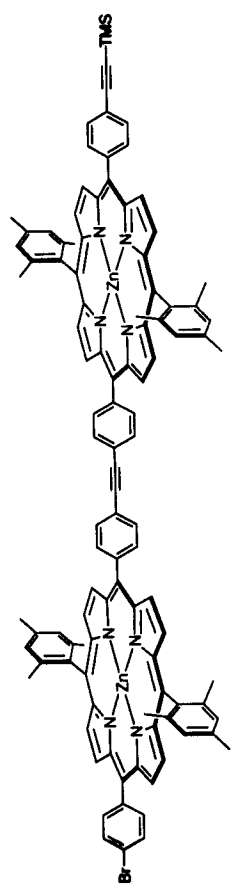
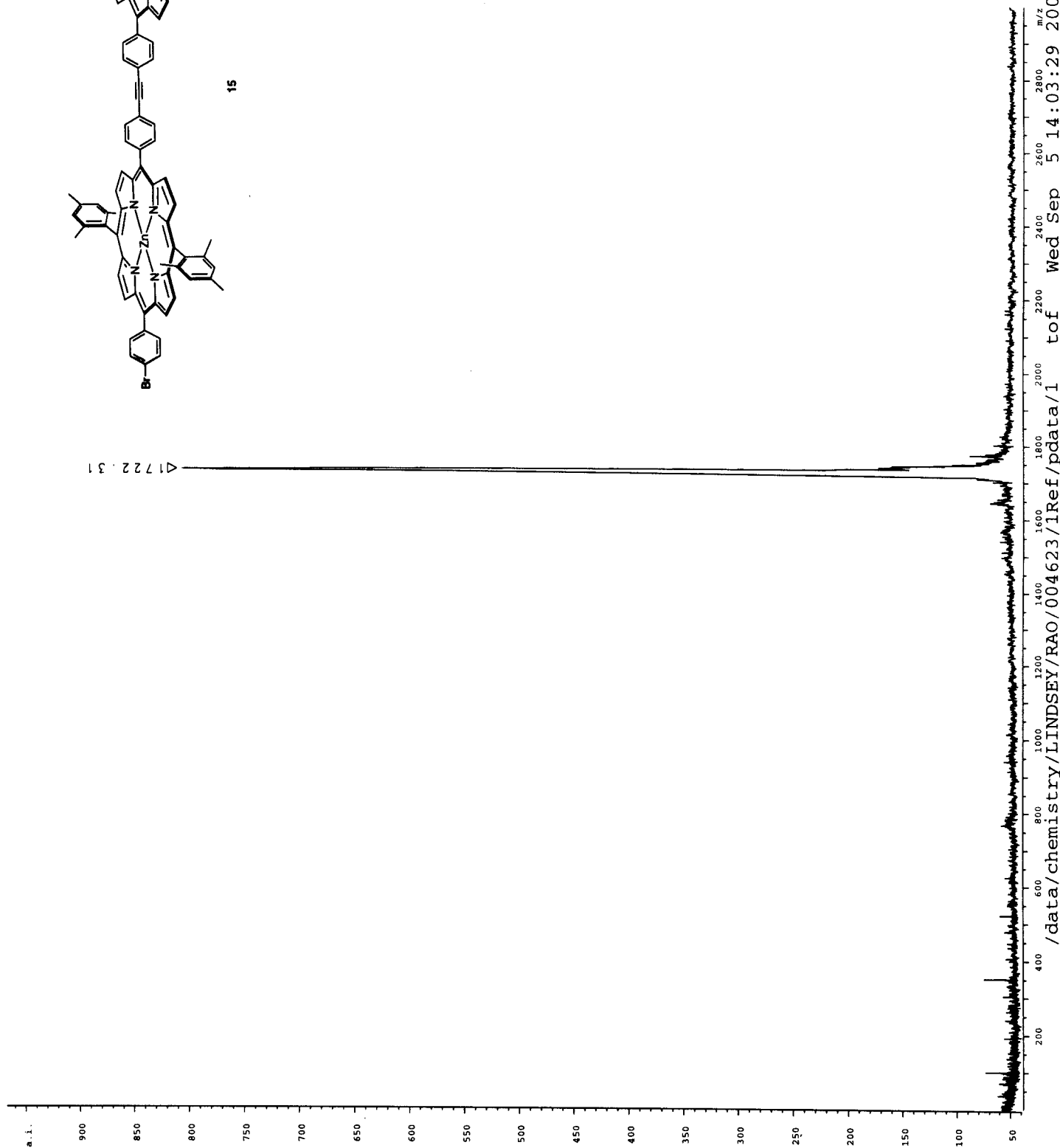
[illegible]



14'

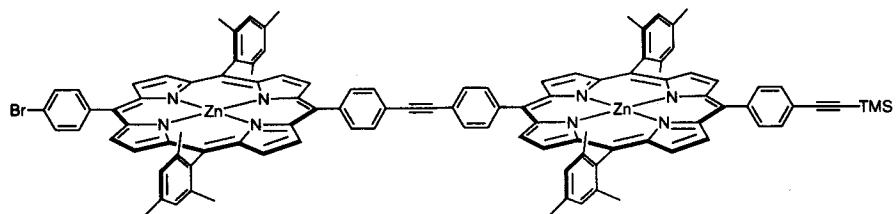




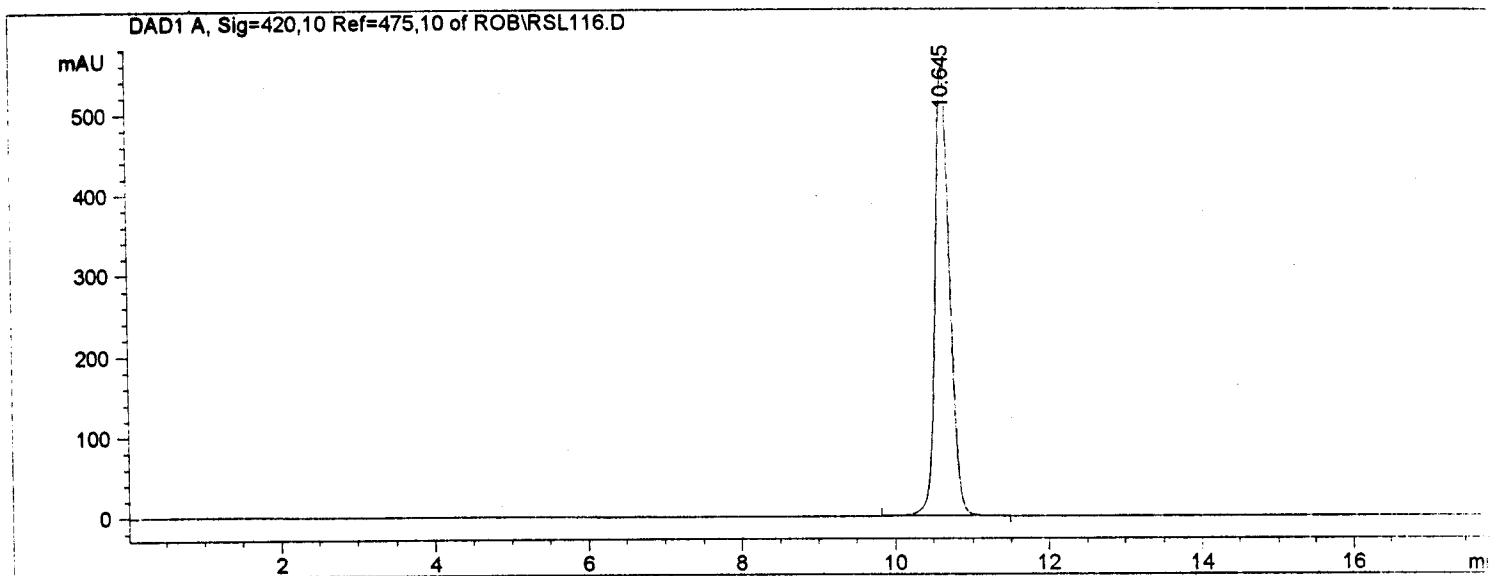


15

INSTRUM TOF
OpId Unknown
SRRAM 004623
ACQDATE Thu Jan 4 15:47:34 2001
PATH /data/chemistry/LINDSEY/RAO
POLAR POS
ACQPL_m Reflector
TD 40000
NOSHOTS 113
SNORUM 2
SMOPTS1 6
SMOPTS2 10
SMOPTS3 0
DM 1.00 [ns]
DELAY 0 [ns]
Uis1 20.00 [KV]
Uis2 18.50 [KV]
Uref1 9.50 [KV]
Uref2 9.50 [KV]
Uref3 10.00 [KV]
Uref4 10.00 [KV]
RefPull 0.00 [KV]
UdetL 1.55 [KV]
UdetR 0.00 [KV]
Udef1 2.00 [KV]
REPHZ 1.00 [Hz]
ATTEN 31.00 [Hz]
ML1 2071532.159
ML2 333.982
ML3 0.000
HITURBO no
GDEON yes
CDELY short
CLASND no
ELASND no
LANSND no
UIS2ND no
DPCAL1 510.84 [Da]
DPMAS 200.00 [Da]
RENOVAL 0.33
IS2BNDV 0.91
CMT1 RSL116
CMT2 no matrix



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Area Percent Report

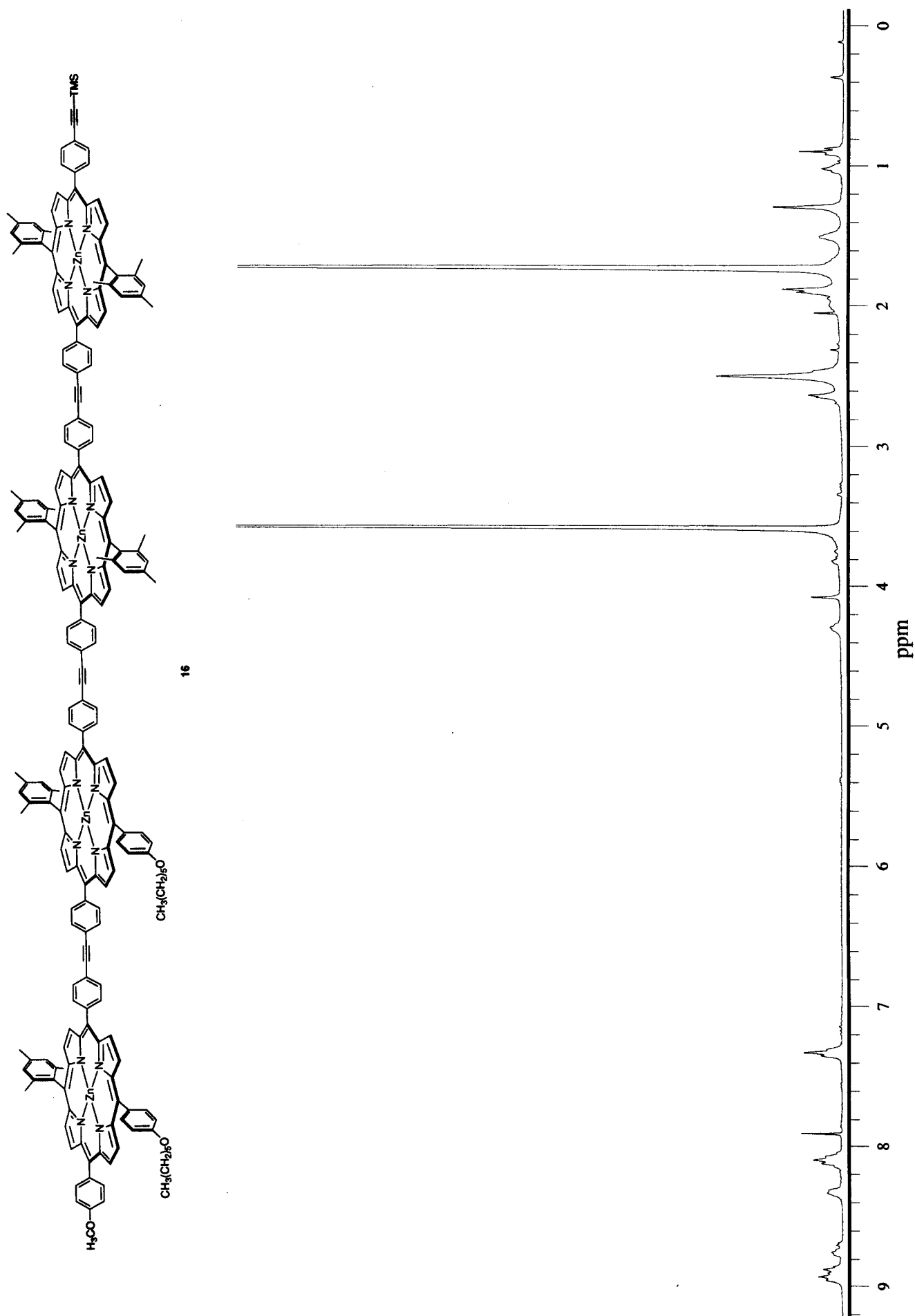
Sorted by Signal

Multiplier : 1.000000
Dilution : 1.000000

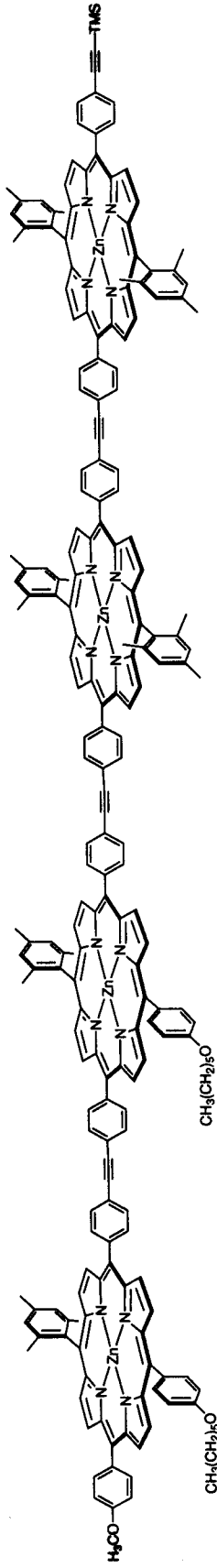
Signal 1: DAD1 A, Sig=420,10 Ref=475,10

Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.645	BB	0.201	7136.96045	554.42914	100.0000

Totals : 7136.96045 554.42914

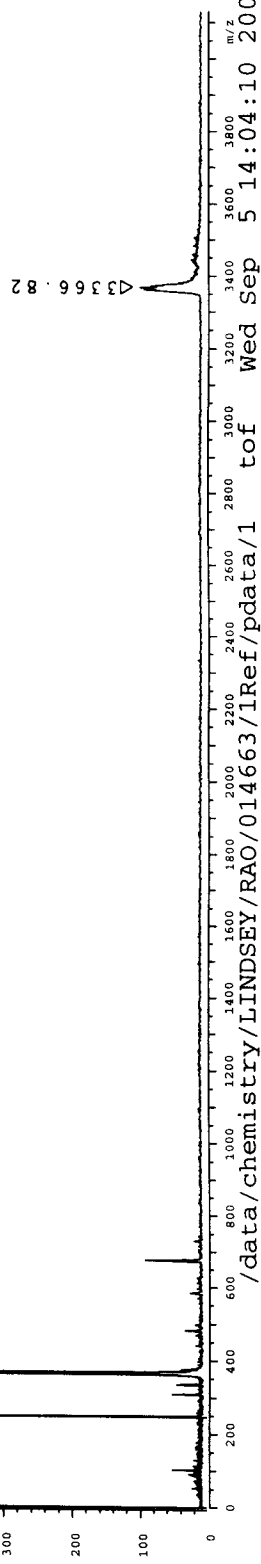


a.i. 1900 1800 1700 1600 1500 1400 1300 1200 1100 1000 900 800 700 600 500 400 300 200 100 0



16

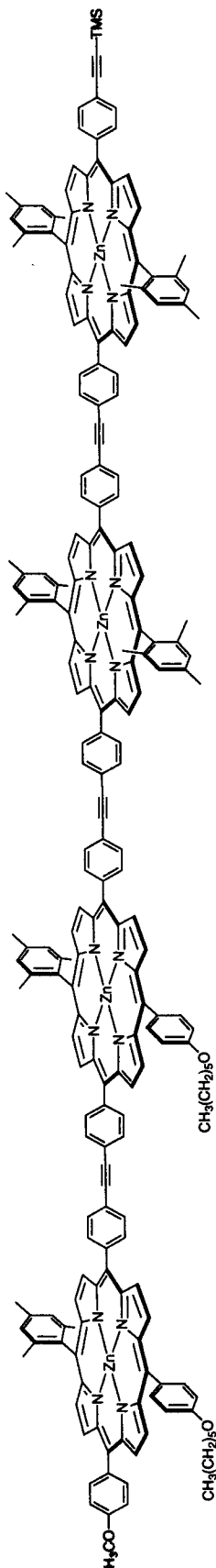
data: /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 45000
NSHOTS 24
SCANS 8
SMOPTS1 6
SMOPTS2 6
SMOPTS3 10
DW 1.00 [ns]
DELAY 0. [ns]
U1a1 20.00 [KV]
U1a2 18.00 [KV]
U1a3 10.00 [KV]
U1a4 7.50 [KV]
U1mass 10.00 [KV]
RefPull 0.00 [KV]
UdetL 1.50 [KV]
UdetR 0.00 [KV]
U1a1 1.00 [KV]
REPZ 1.00 [Hz]
ATTEN 50.0
ML1 2071592.159
ML2 333.982
ML3 0.000
HITURBO no
CHEN no
CDELY no
DEPLON no
RLANGND no
LLANGND no
UTSZEND no
DPCALI 510.84 [Da]
DPCALS 700.33
RENDVAL 0.28
ISZENDV 0.91
RSL117
CMT1 POPOP
CMT2



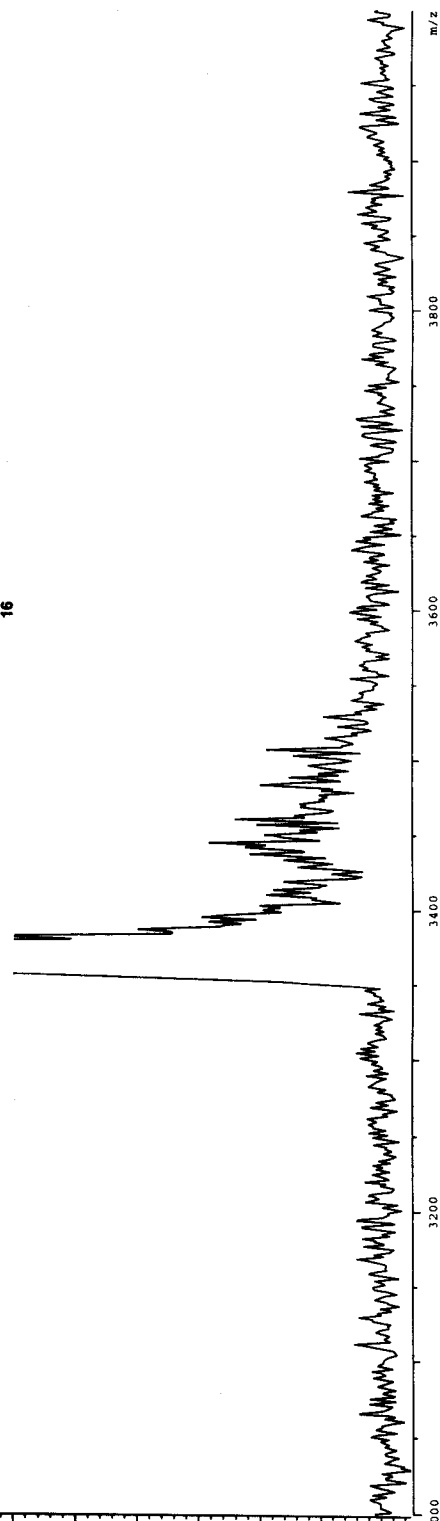
a.i. 115 110 105 100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10

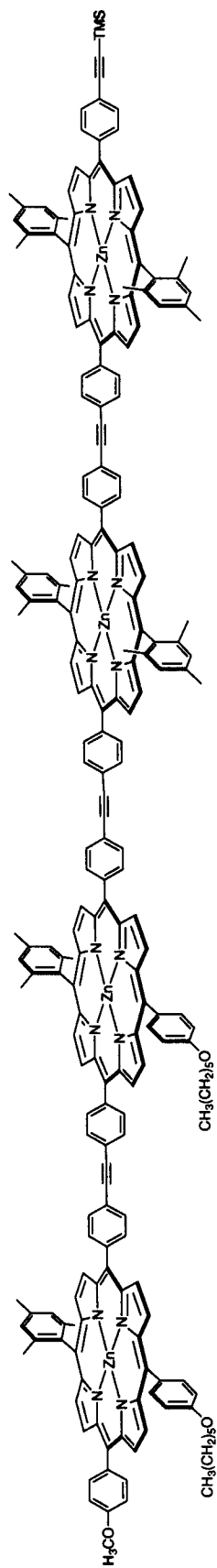
Δ3366.82

INSTRUM Tof
OpId N. Srinivasan
SNAME 014663
ANALYTE Ptdm 19 14:56:24 2001
PATH /data/chemistry/LINDSEY/RAO
POLARI POS
AQOP_m Reflector
TD 45000
NoSHOTS
SWHWT
SMOPTS1 24
SMOPTS2 8
SMOPTS3 6
SMOPTS4 10
DM 1.00 [ns]
DELAY 0 [ns]
U1a1 20.00 [KV]
U1a2 18.70 [KV]
U1a3 18.70 [KV]
U1a4 18.70 [KV]
U1a5 7.50 [KV]
U1a6 10.00 [KV]
U1a7 0.00 [KV]
RefFull

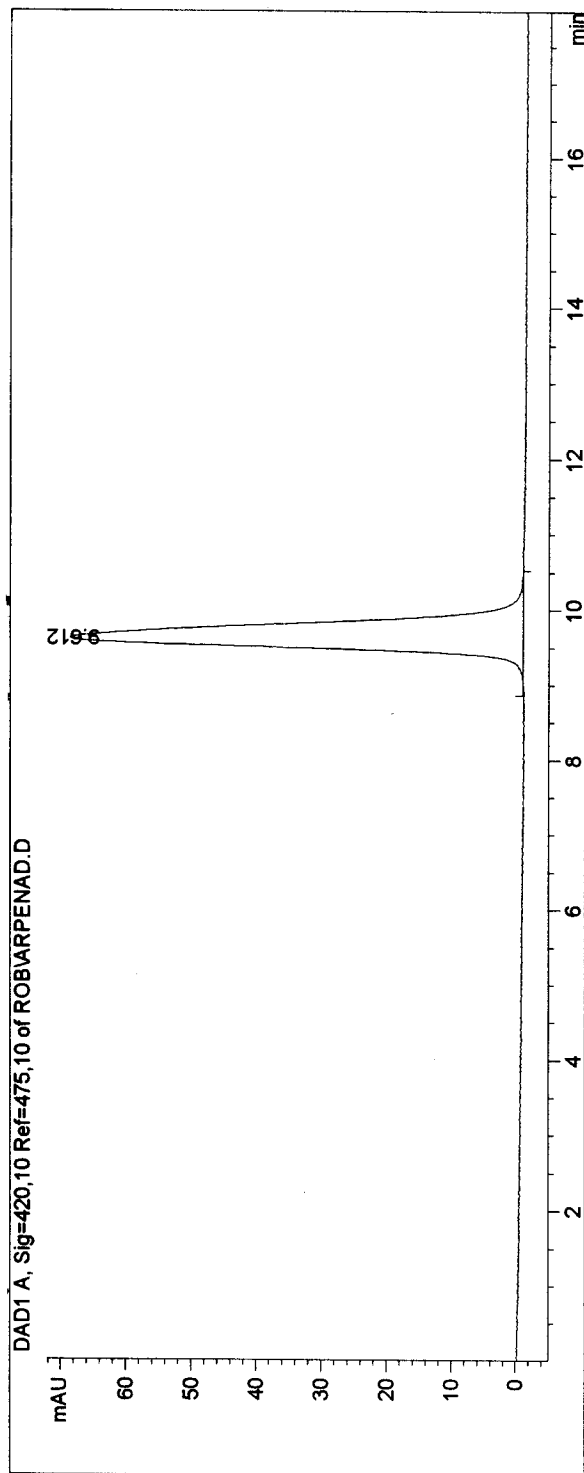


16





16

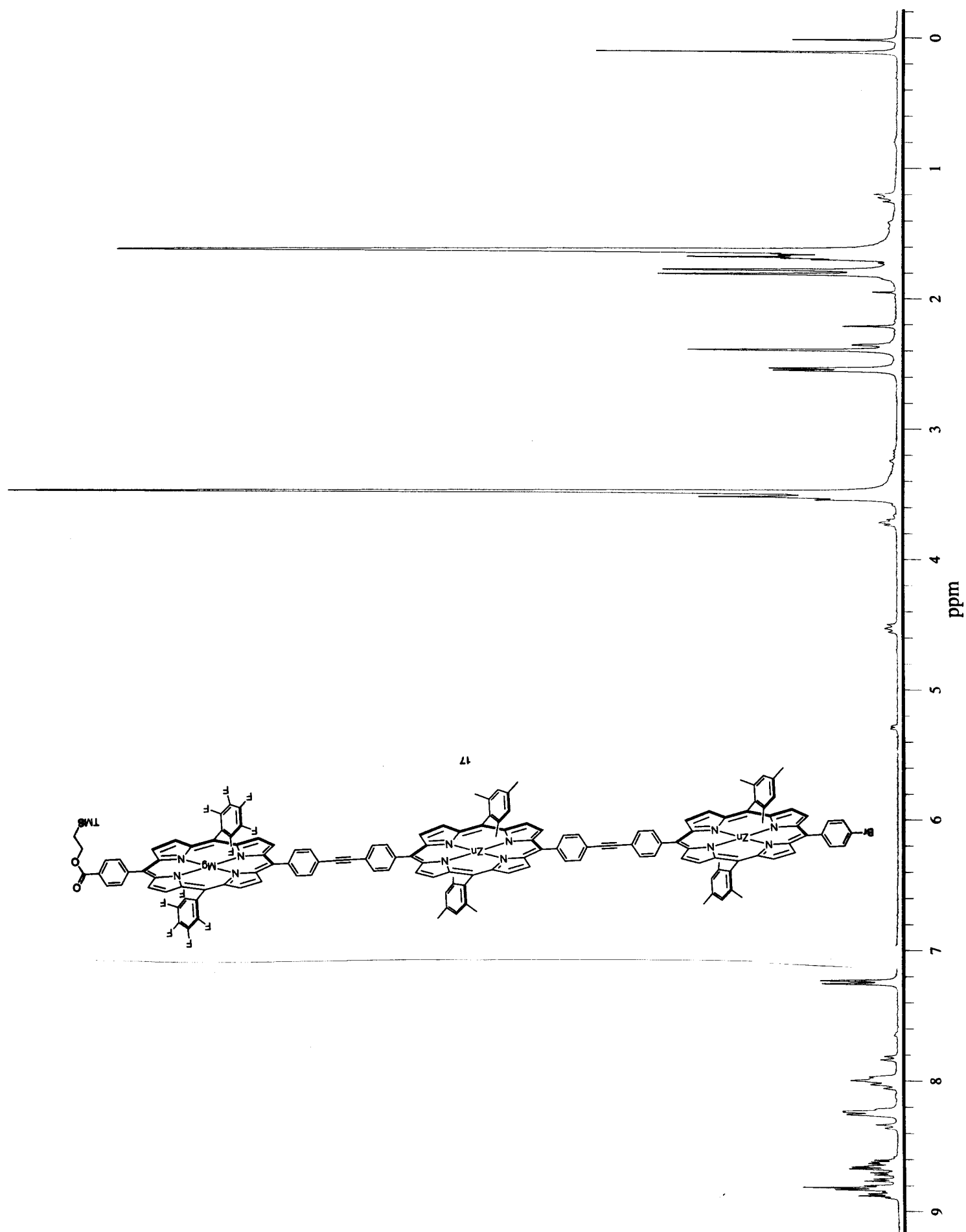


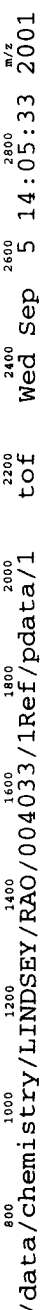
Area Percent Report

Sorted by Signal
Multiplier : 1.000000
Dilution : 1.000000

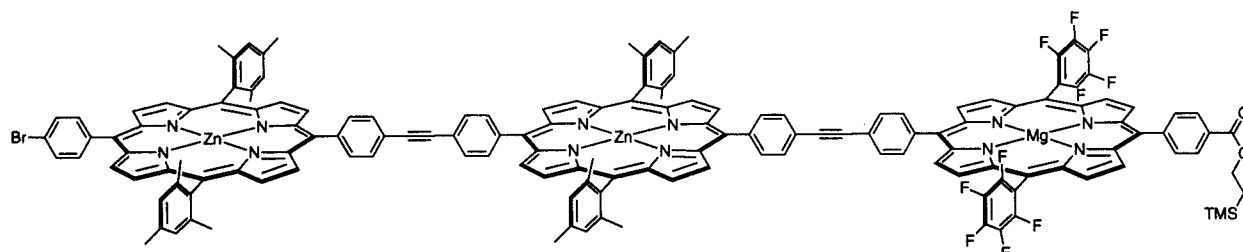
Signal 1: DAD1 A, Sig=420,10 Ref=475,10

Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.612	BB	0.333	1445.05090	69.72726	100.0000

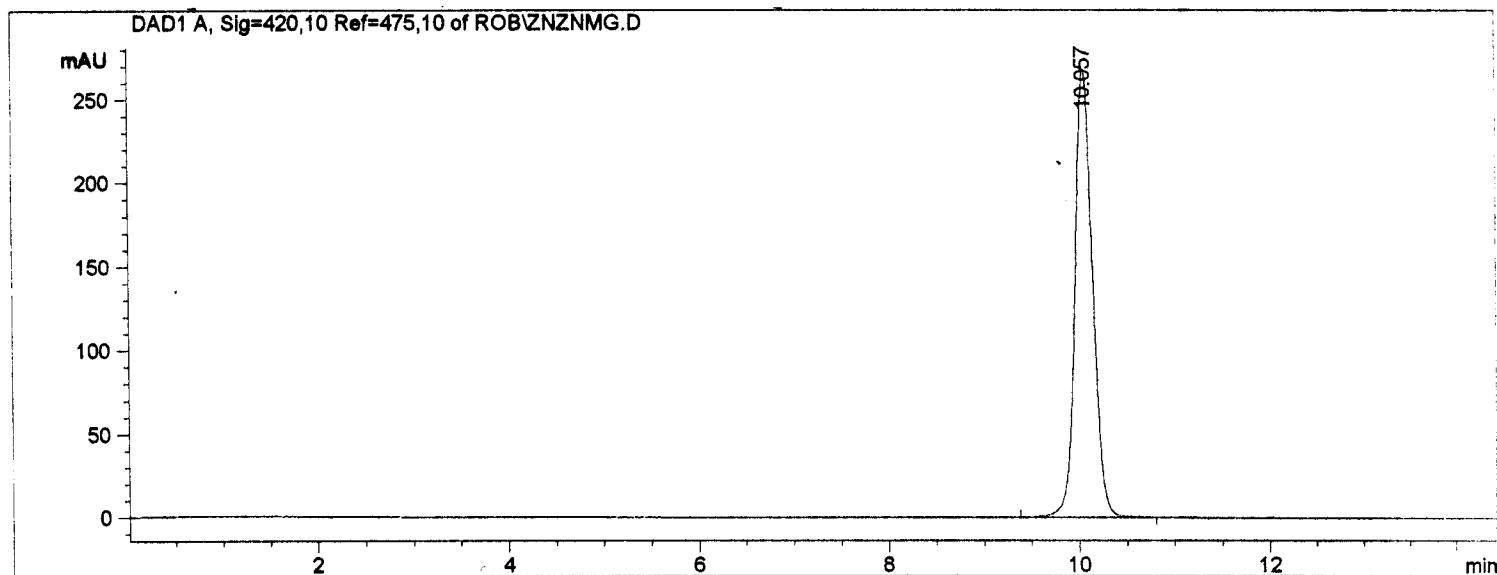




INSTRUM	TOP	QID	Unknown	SHPMN	QID	040133	AOQ DATE	Fri Dec 15 18:00:15 2000	/data/chemistry/LINDSEY/RAO
POLARI	POS	Reflector	40000	NGSHOTS	1000				
TD	TD	1000		SMONUM	1				
		10		SMOPTS1	10				
		0		SMOPTS2	0				
		0		SMOPTS3	0				
DW	DW	1.00	[ns]	DELAY	0				
		20.00	[ns]	U1del1	0				
		18.50	[Kv]	U1s2	1				
		7.50	[Kv]	U1s3	1				
		10.00	[Kv]	U1mass	0				
		1.55	[Kv]	U1del2	1				
		2.00	[Kv]	U1del3	1				
		1.00	[Hz]	REPHZ	1				
		30.0		ATTEN	30.0				
		2071592.159		ML1					
		333.982		ML2					
		0.000		INTURBO	no				
				NGDEON	yes				
				DEFLEN	short				
				RLSND	no				
				U1S2BND	no				
		510.84		PPCAL1					
		200.00		PPMPS					
		0.33		RENNAL					
		0.56		LSRNOV					
		0.51		LSRNOV					
				RSLL12					
				CMWT	preparative SEC				



17



=====
Area Percent Report
=====

Sorted by Signal

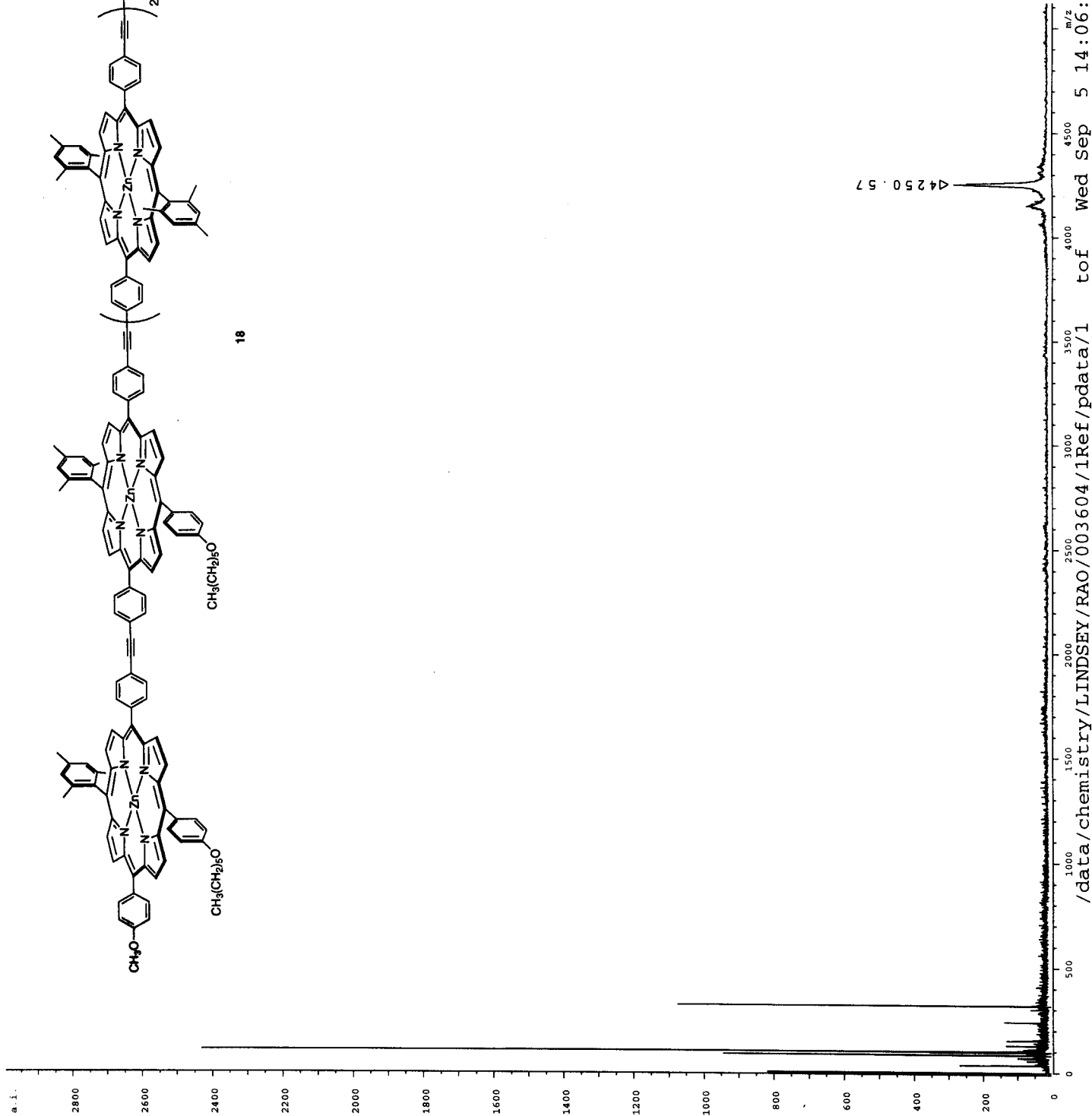
Multiplier : 1.000000
Dilution : 1.000000

Signal 1: DAD1 A, Sig=420,10 Ref=475,10

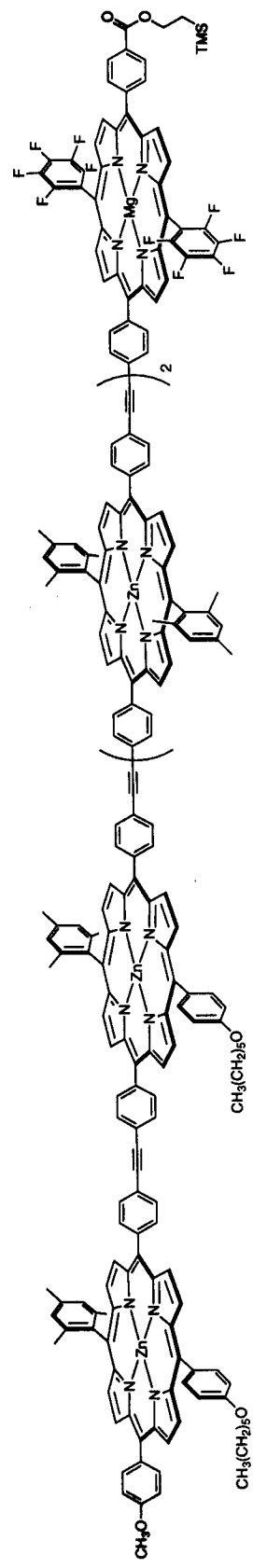
Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.057	BB	0.199	3434.15234	268.25800	100.0000

Totals : 3434.15234 268.25800

a. i.



tof Wed Sep 5 14:06:39 2001



a.i.

320

300

280

260

240

220

200

180

160

140

120

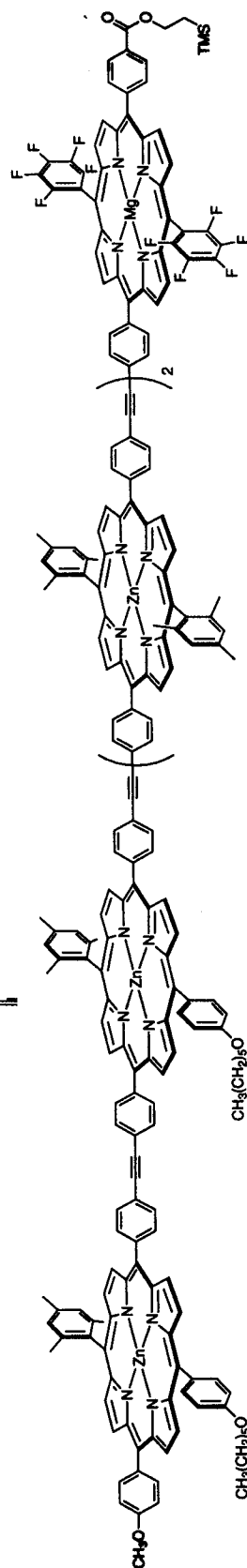
100

80

60

40

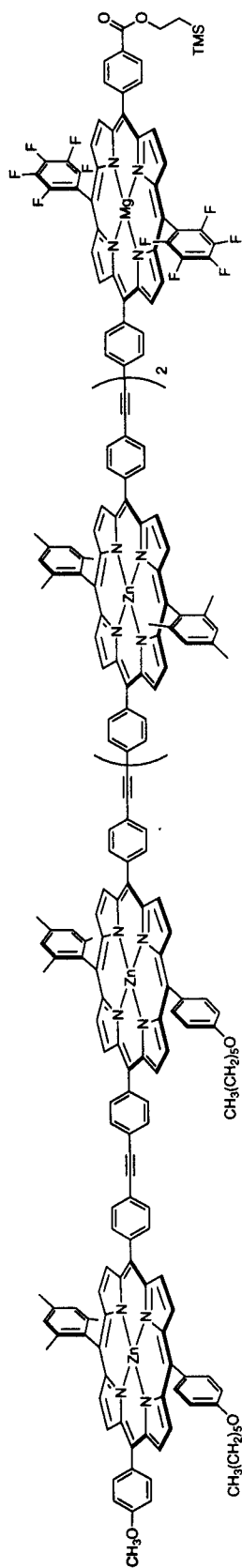
20

 $\Delta 4250.57$ 

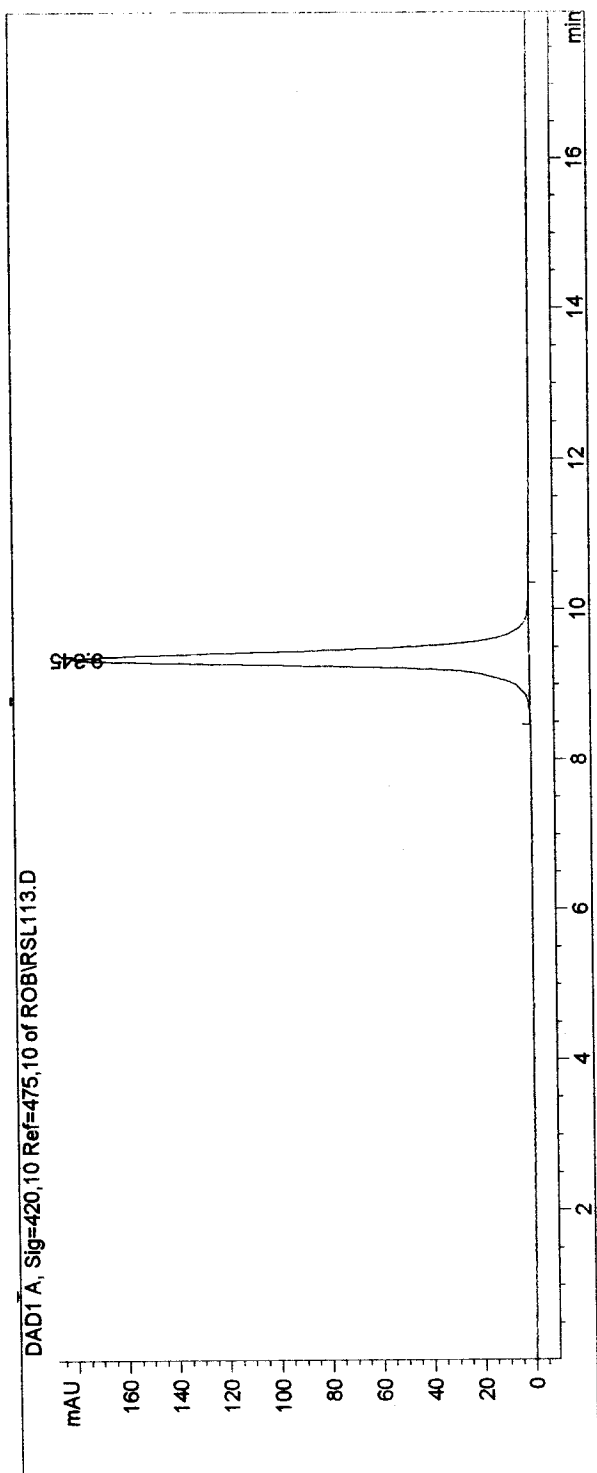
18

REF1 2.00 [W]
 REF2 1.00 [Hz]
 ATEN 25.0
 ML1 2080151.710
 ML2 373.819
 ML3 0.000
 HITURBO no
 COSY yes
 GDELY no
 DEFLON no
 FLANSND no
 LANSND no
 UISZEND no
 DPCALI 510.84 [Da]
 SPASS 20.00
 PENOVAL 0.33
 LINDVAL 0.28
 ISZENDV 0.91
 CMT1 RSL113
 CMT2 Fraction 7 from SEC column - no matrix

 $\Delta 4151.34$



18



Area Percent Report

Sorted by Signal

Multiplier : 1.000000

Dilution : 1.000000

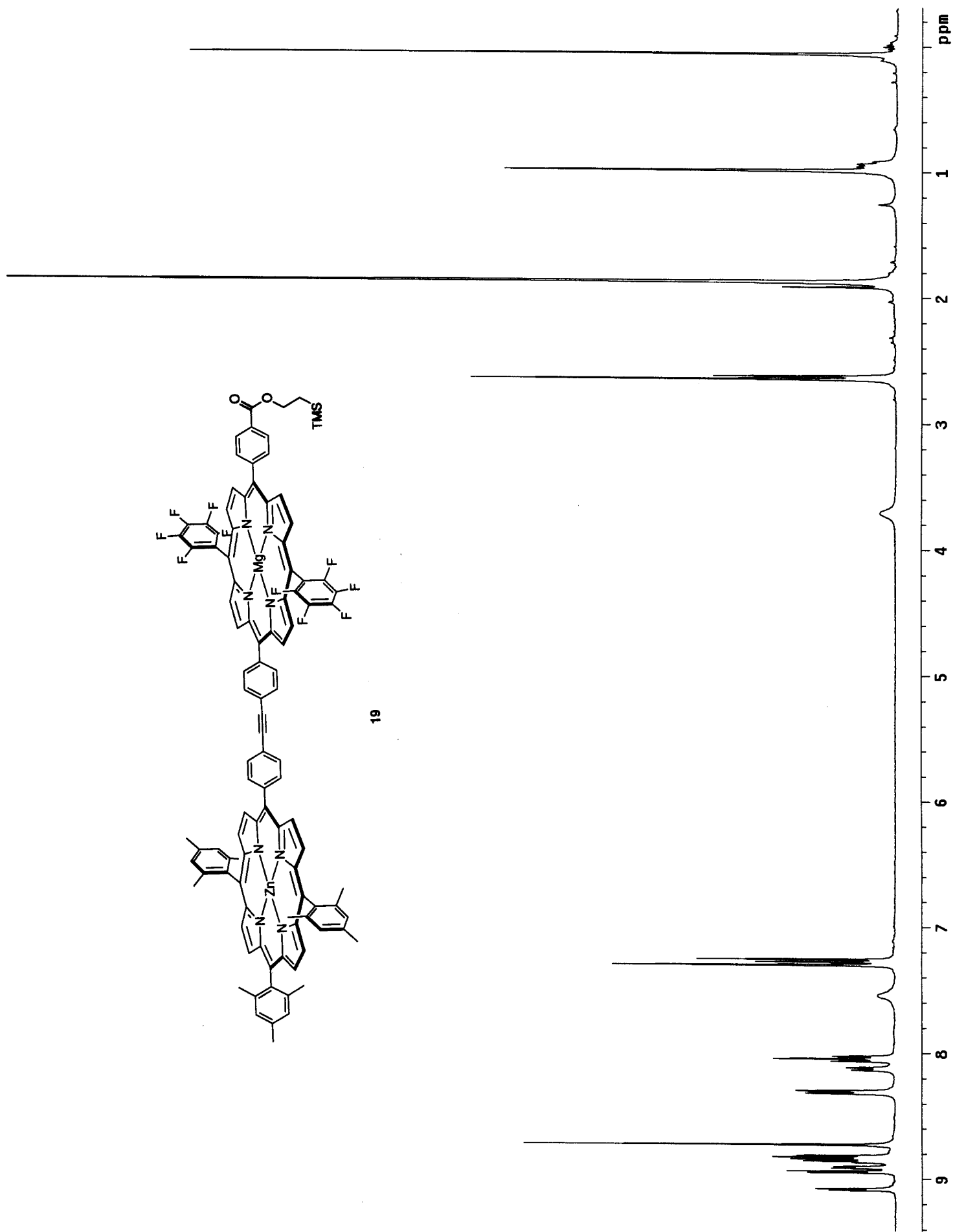
Signal 1: DAD1 A, Sig=420,10 Ref=475,10

Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.345	BB	0.216	2610.62988	179.16667	100.0000

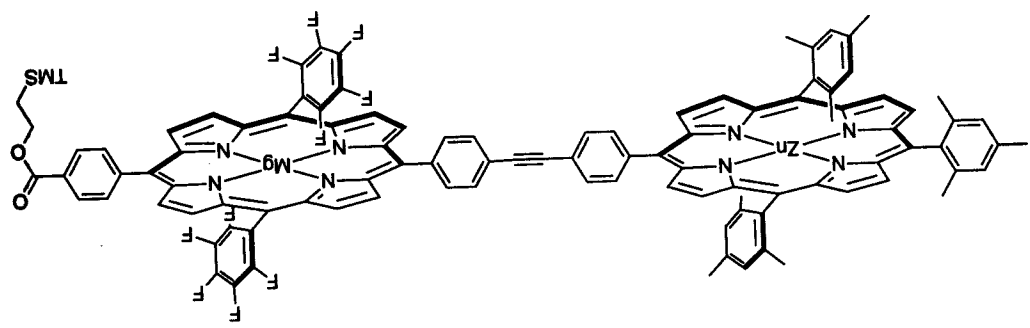
Totals :

2610.62988

179.16667



a.i.
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

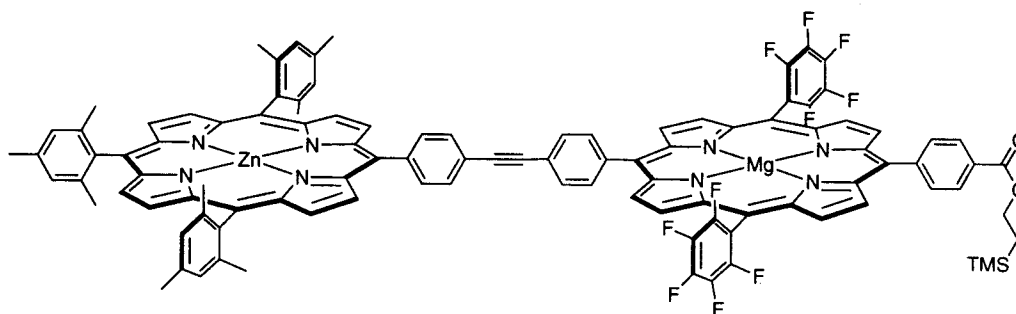


19

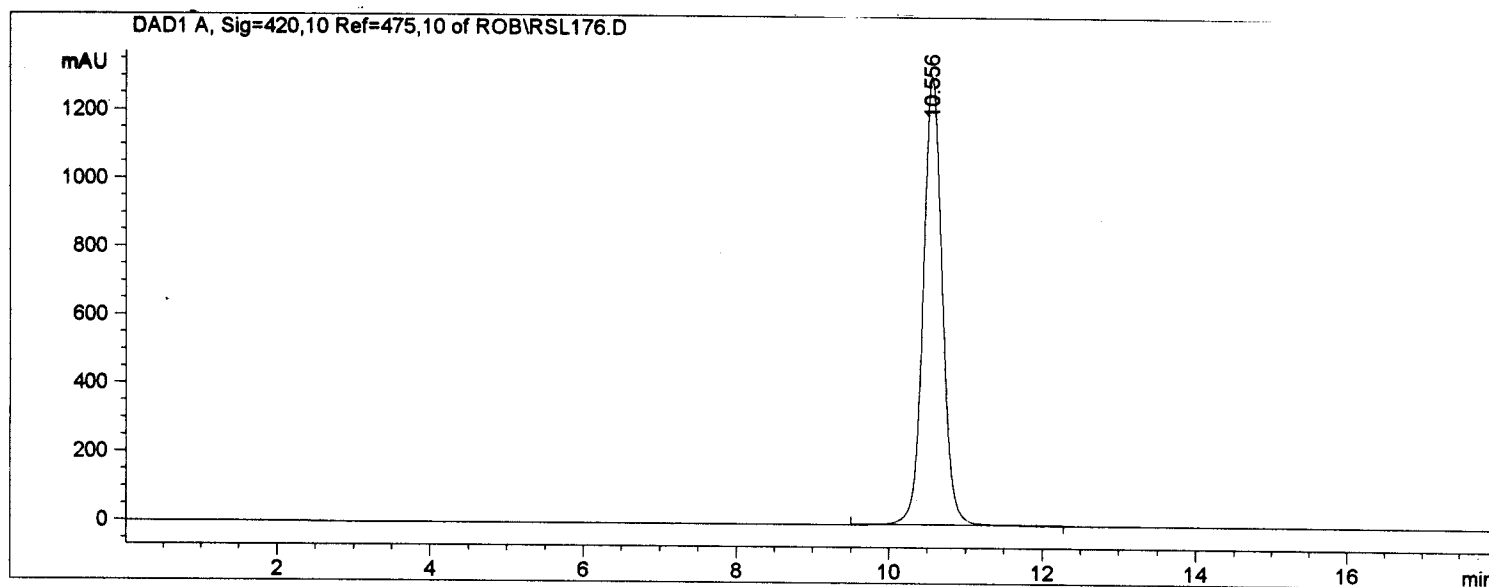
Δ1790.17
Δ1771.57
Δ1689.41

2400
2200
2000
1800
1600
1400
1200
1000
m/z

INSTRUM TOP
NAME NISpinivasan
SPINAM 015263
AQ DATE Tue Jun 26 10:55:14 2001
PATH /data/chemistry/LINDSEY/LOEWE
POLARI POS
AQOP_m Reflector
TD 40000
NSHOTS 75
NSCAN 10
SMOPTS1 0
SMOPTS2 0
SMOPTS3 0
DW 1.00 [ns]
DELAY 0.100 [ns]
U1s1 20.0 [KV]
U1s2 10.0 [KV]
Urefl 0.00 [KV]
U1ens 7.50 [KV]
U1imass 10.00 [KV]
RefFull 0.00 [KV]
UdetL 1.50 [KV]
UdetR 1.50 [KV]
U1s2 1.50 [KV]
REPHZ 1.00 [Hz]
ATTEN 100.0
ML1 2067125.193
ML2 333.982
ML3 0.000
HYDRBO no
GDELY no
GDELY short
DEFLON no
RLNSND no
RLNSND no
UISZND no
DECAL 510.84 [Da]
DECAL 700.80 [Da]
REMOVAL 0.33
REMOVAL 0.28
IS2INDV 0.91
RSL176
CMT1
CMT2 POPOP



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Area Percent Report

Sorted by Signal

Multiplier : 1.000000
Dilution : 1.000000

Signal 1: DAD1 A, Sig=420,10 Ref=475,10

Peak #	RT [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.556	BB	0.268	22692.74609	1310.03442	100.0000

Totals : 22692.74609 1310.03442