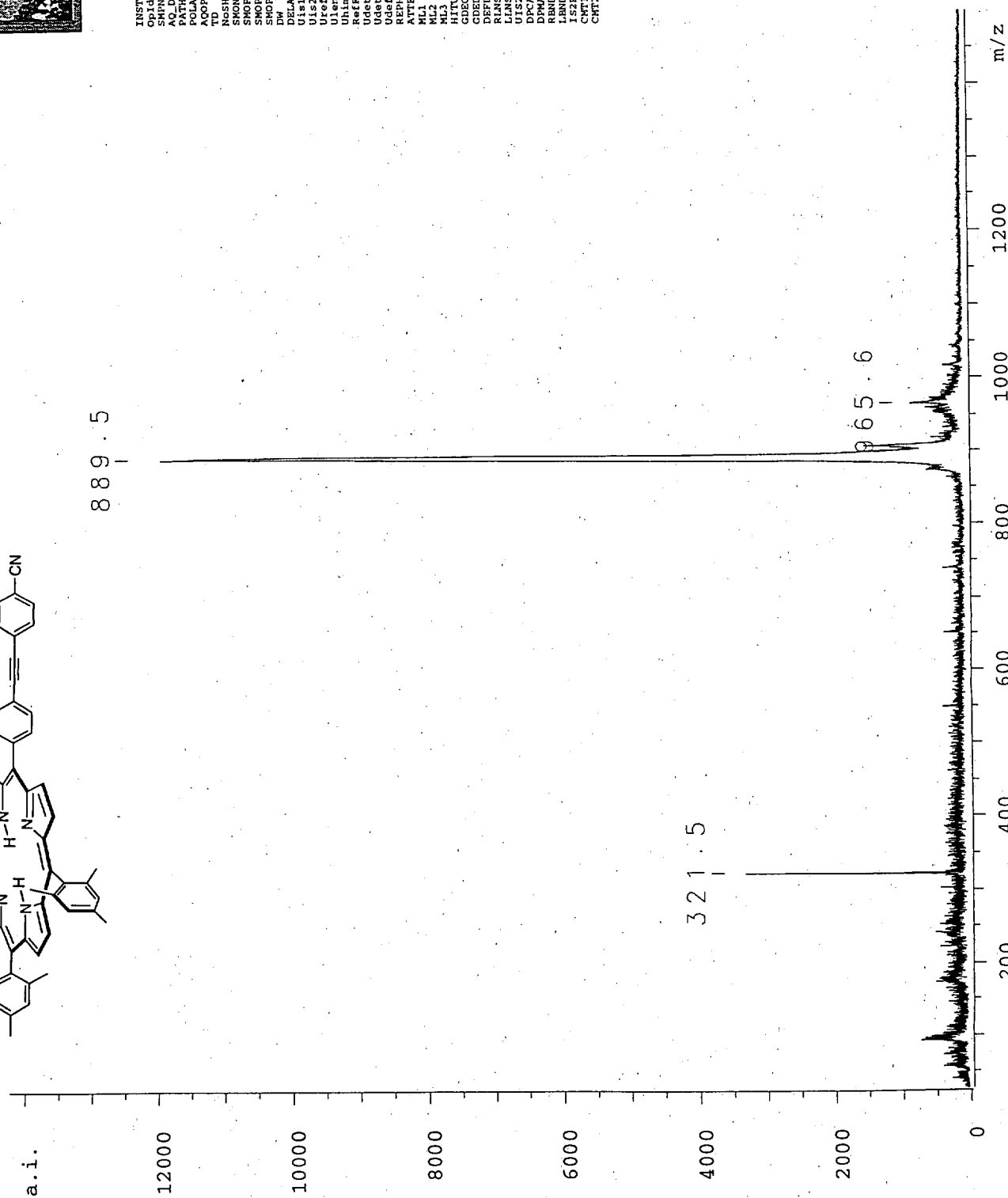
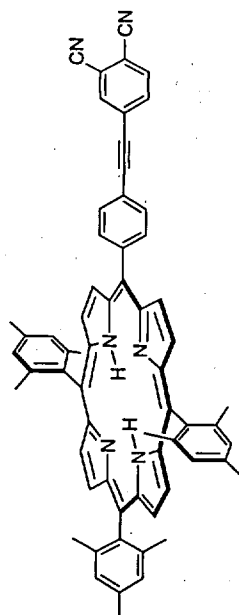


INSTRUM TOF  
 OpId M  
 OpNm scribvaas  
 AO\_DATE Thu Aug 20 20:01:00 1998  
 PATH /export/home/data/chemistry/LINDSEY/JUN  
 POLARI POS  
 AOP\_m Reflector  
 TD SHOTS 4000  
 SMOPTS 0  
 SMOPTS1 0  
 SMOPTS2 0  
 SMOPTS3 0  
 DM 1.00 (ns)  
 DELAY 0 (ns)  
 U1s1 30.00 (kV)  
 U1s2 18.70 (kV)  
 Uref1 0.00 (kV)  
 U1ens 7.50 (kV)  
 U1mass 0.00 (kV)  
 RefFull 0.00 (kV)  
 UdetL 1.50 (kV)  
 UdetR 0.00 (kV)  
 REPHZ 2.00 (kV)  
 ATTEN 1.00 (Hz)  
 ML1 48.0  
 ML2 2067125.193  
 ML3 333.982  
 HITORE no  
 GDELY short  
 GDELY short  
 DEFION no  
 RLSRND no  
 LISRND no  
 U1SRND no  
 DPAV 510.84  
 DPAV 700.00 (Da)  
 RENOVAL 0.33  
 RENOVAL 0.28  
 IS2RNDV 0.31  
 CNT1 Metal free porphyrinphthalonitrile  
 CNT2 att48, NS-100

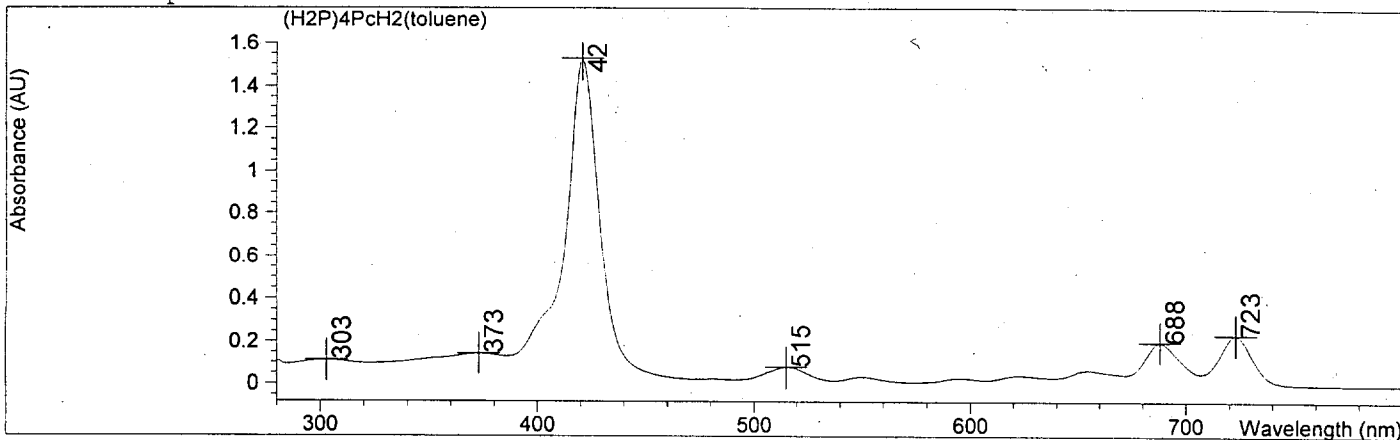


Spectrum/Peak Report

Date 11/09/98 Time 11:56:07 Page 1 of 1

Method file : <untitled>  
 Information : Default Method  
 Data File : C:\AUTOMAP\DATA\JZL\H8P4PCH2.SD Created : 11/9/98 11:57:35

Overlaid Spectra:

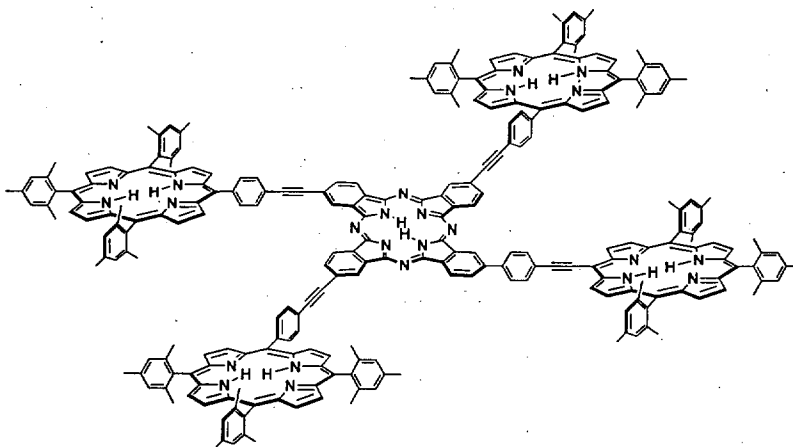


#	Name	Peaks (nm)	Abs (AU)
1	(H2P)4PcH2 (tolue	421.0	1.52670
1		723.0	0.23271
1		688.0	0.19861
1		373.0	0.14237
1		303.0	0.10952
1		515.0	7.7431E-2

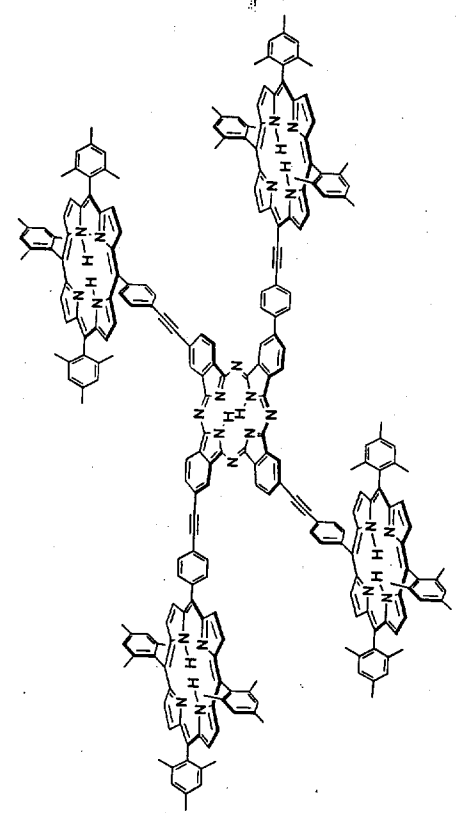
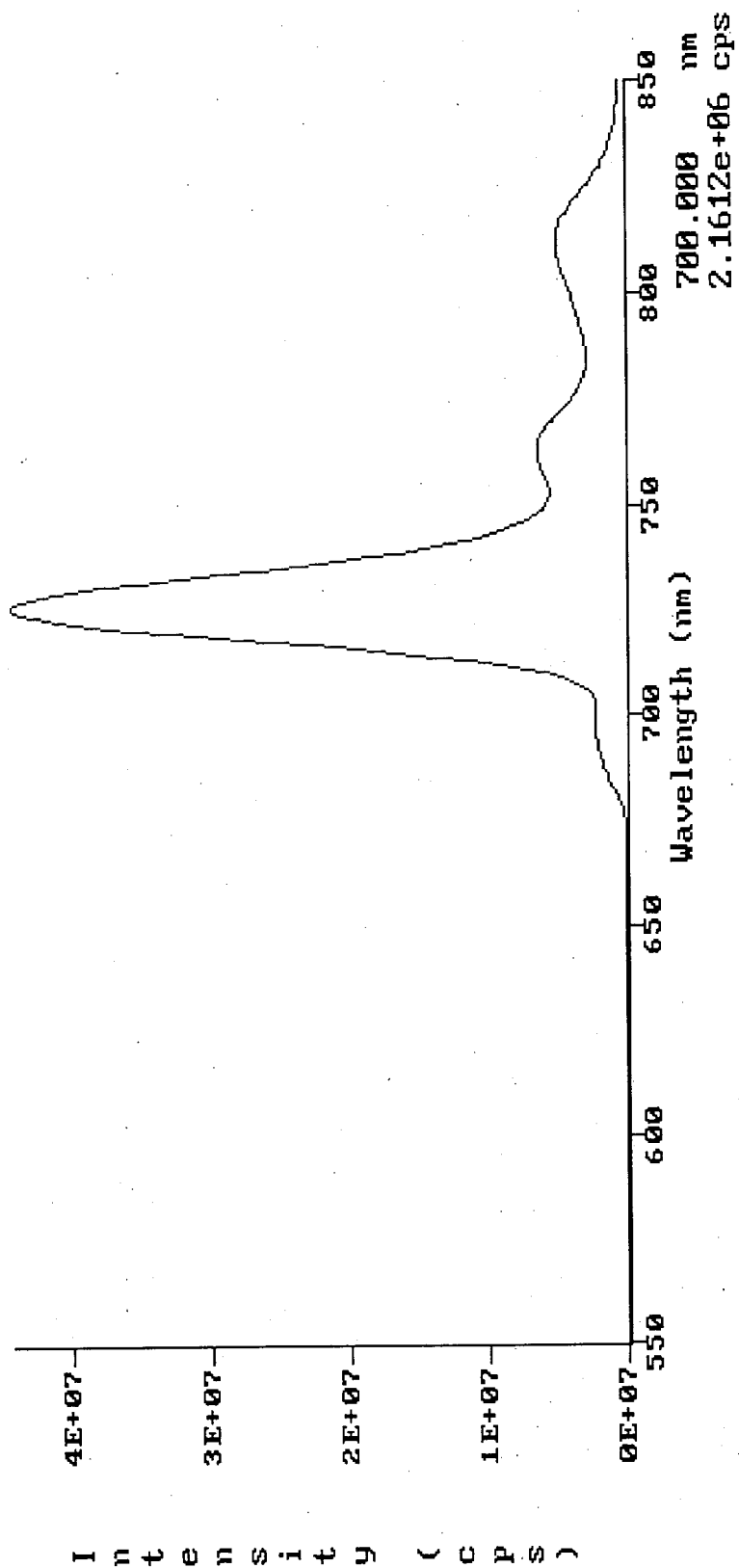
Report generated by :

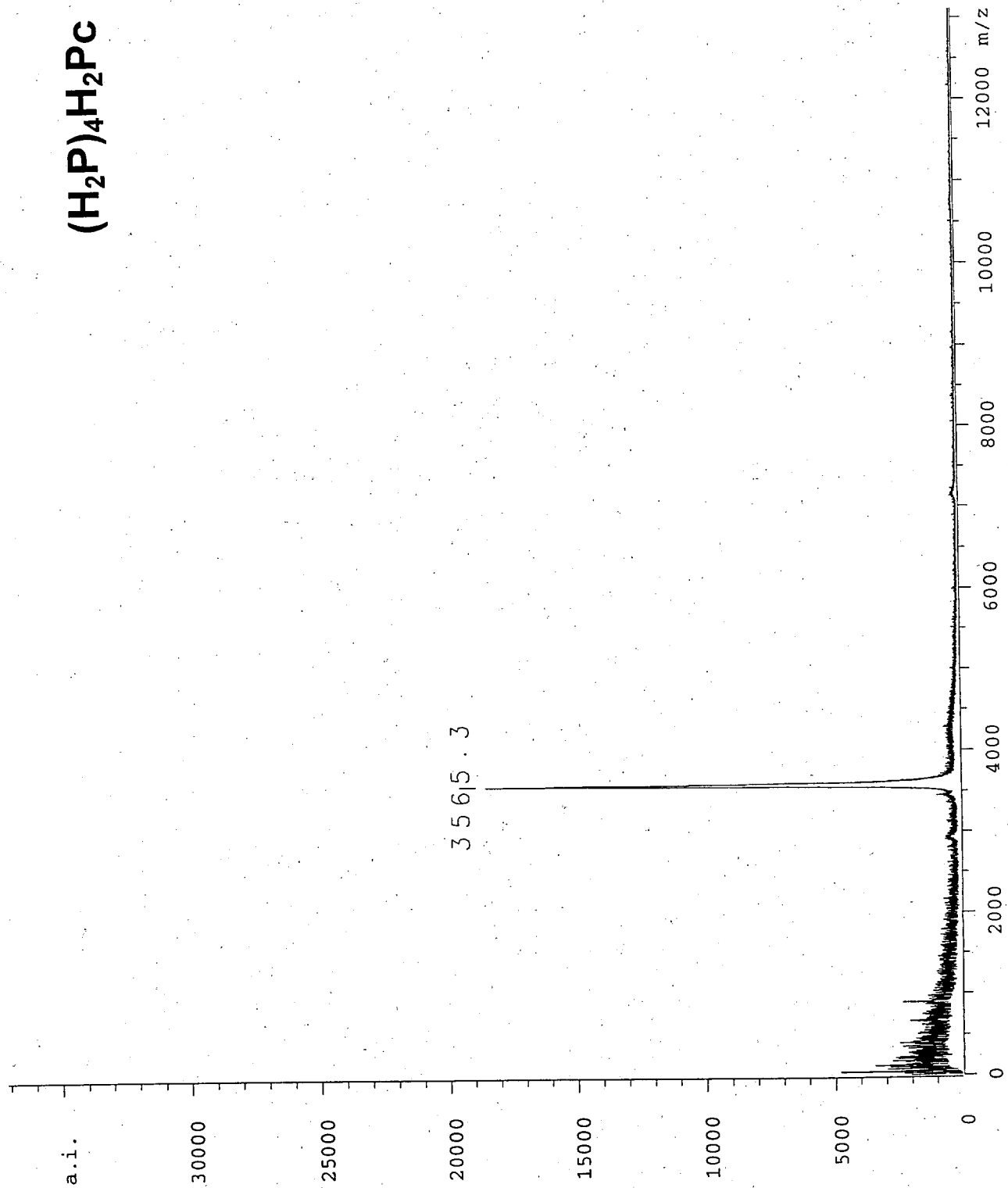
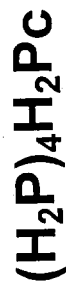
Signature: .....

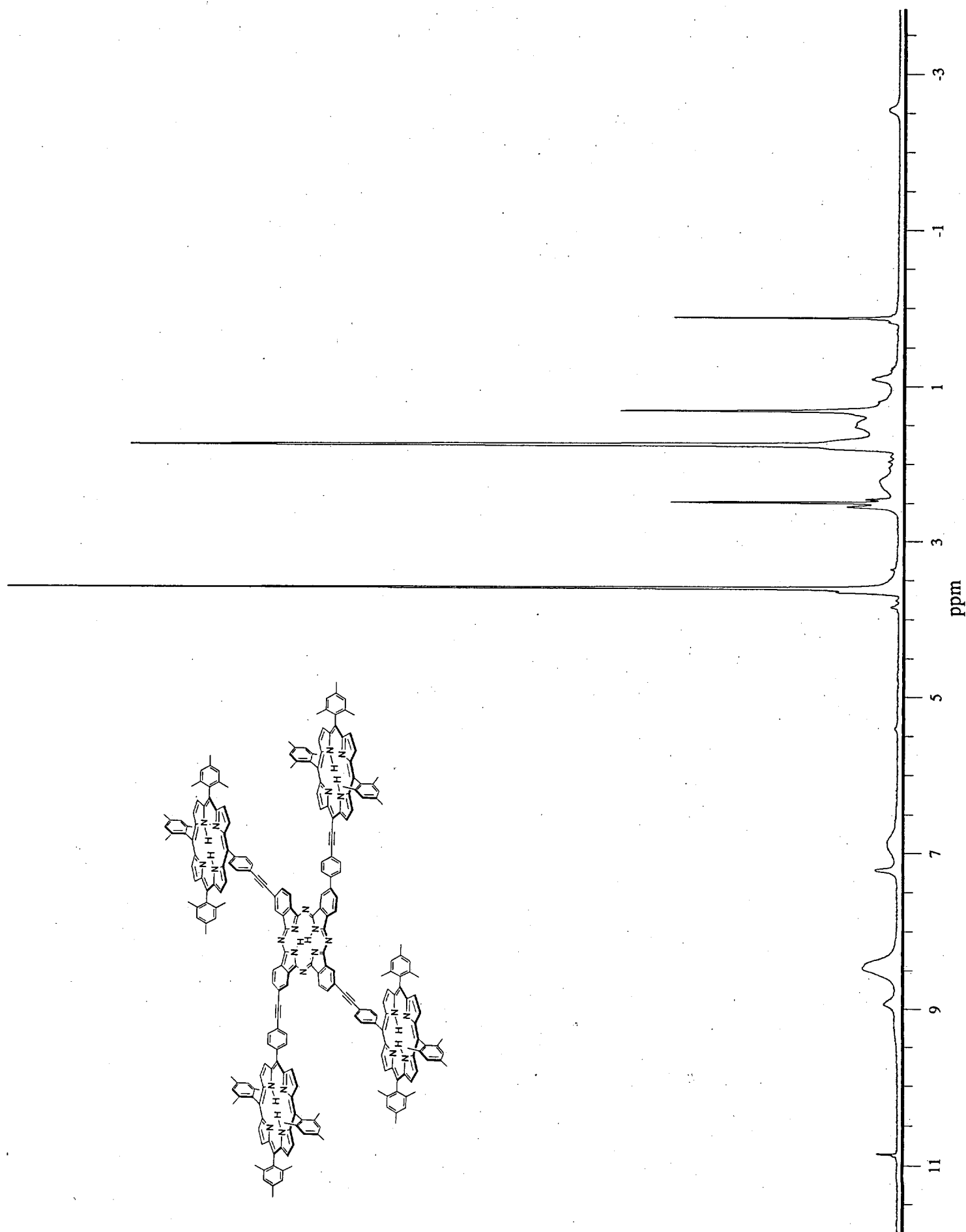
\*\*\* End Spectrum/Peak Report \*\*\*



SP6X 6-28 ■ H8PPCH2.SPT H8PPCH2

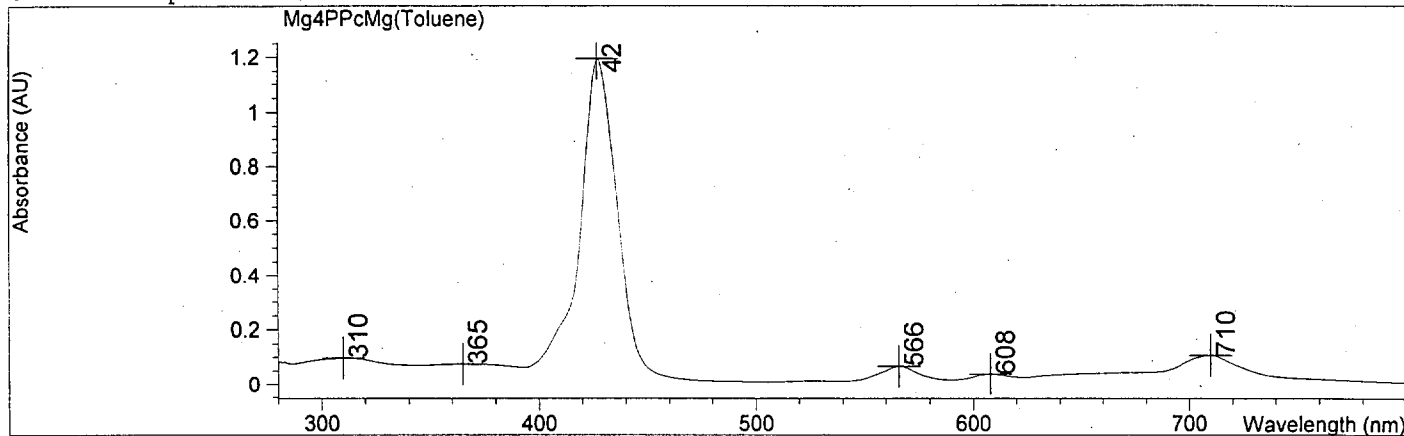






Method file : <untitled>  
 Information : Default Method  
 Data File : C:\AUTOMAP\DATA\JZL\MG4PPCMG.SD Created : 10/27/98 16:33:27

Overlaid Spectra:

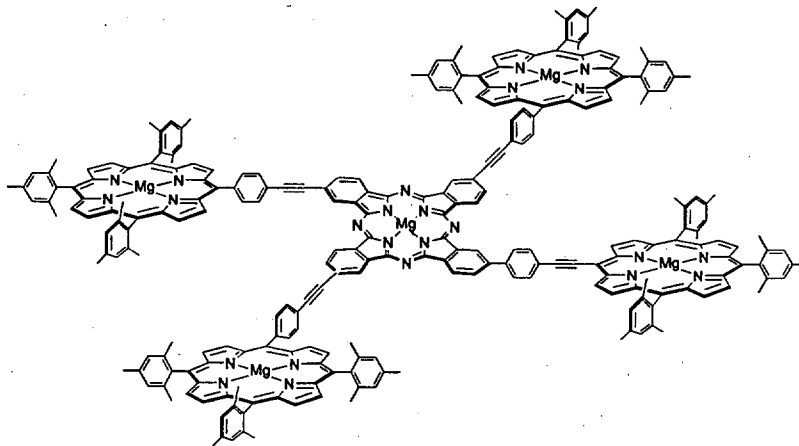


#	Name	Peaks (nm)	Abs (AU)
1	Mg4PPcMg(Toluene)	427.0	1.19540
1		710.0	0.10662
1		310.0	9.6661E-2
1		365.0	7.4298E-2
1		566.0	6.6559E-2
1		608.0	3.8811E-2

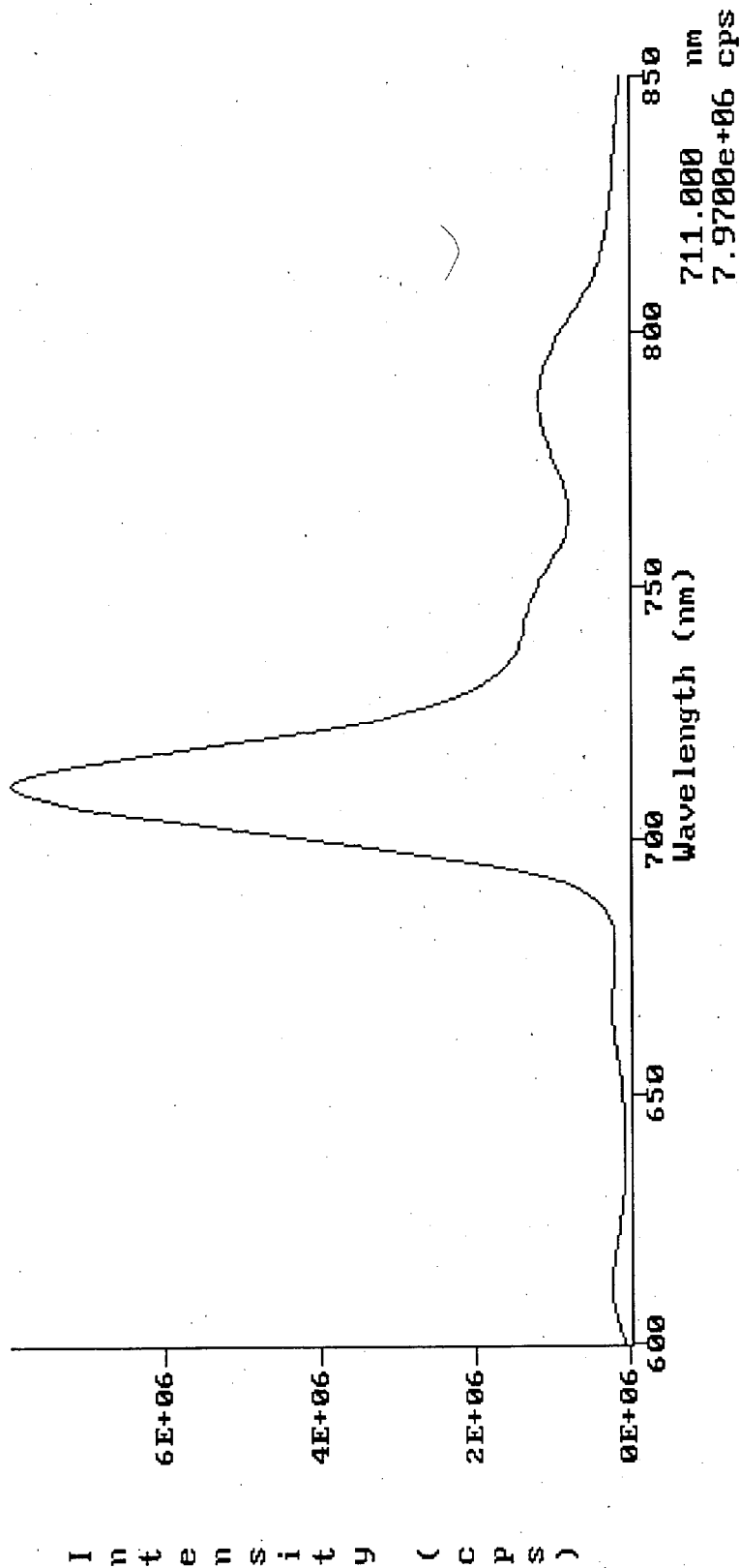
Report generated by :

Signature: .....

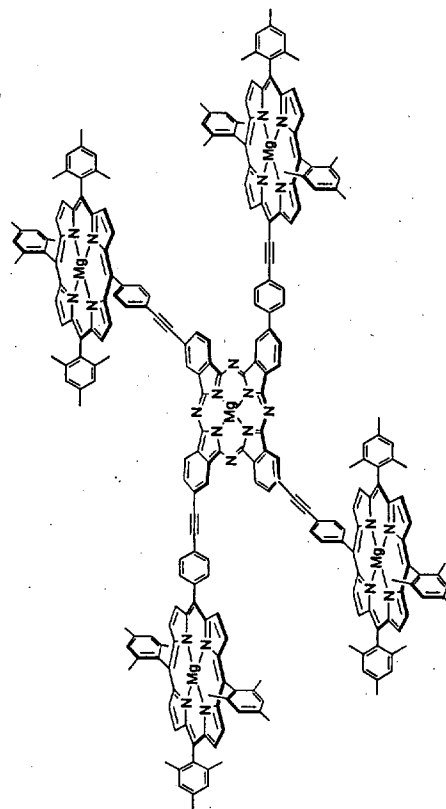
\*\*\* End Spectrum/Peak Report \*\*\*



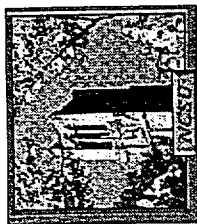
SPEX  
1107 ■ MG4PPCMG.SPT mg4ppcmg



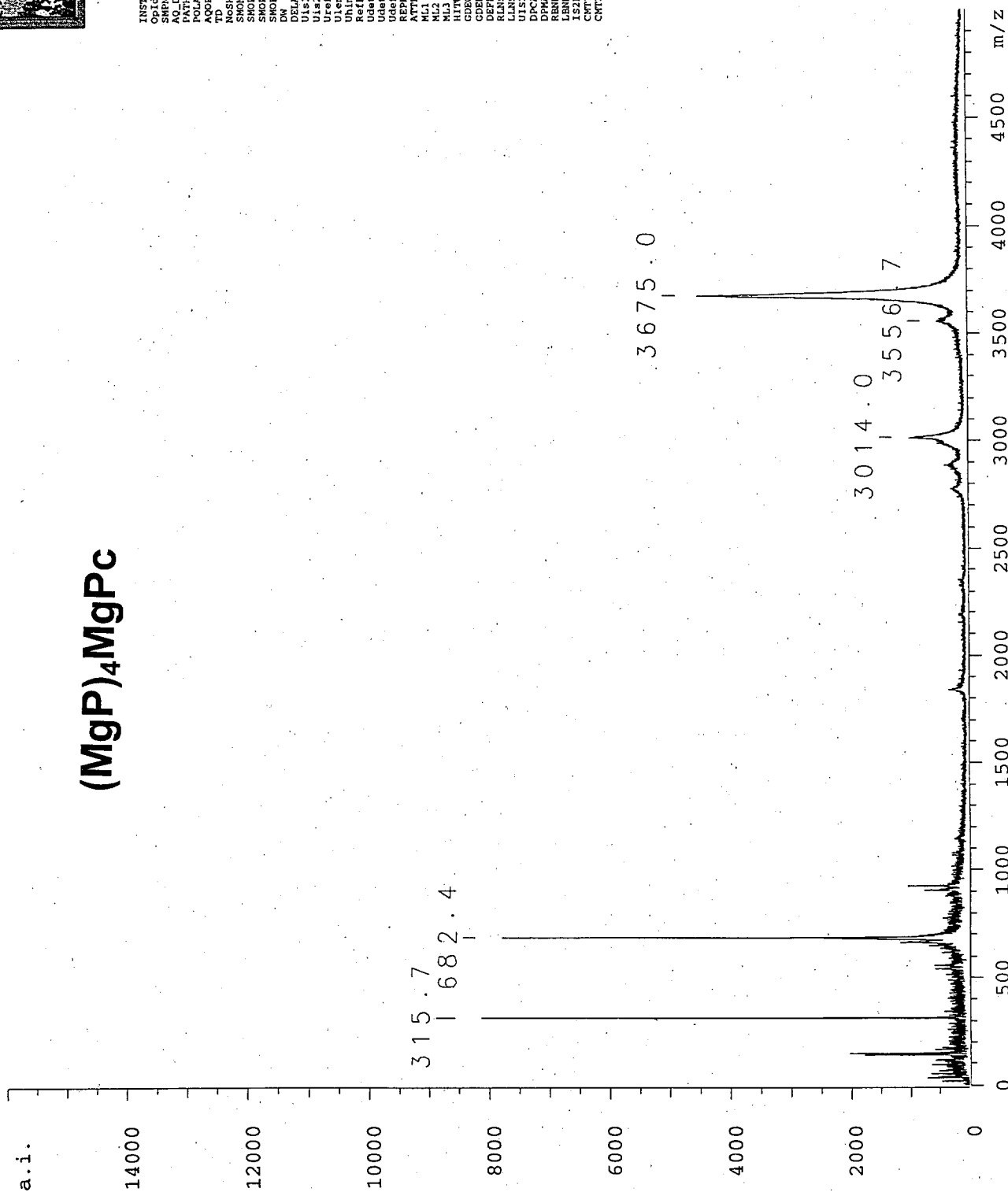
$\lambda_{max} = 711$







**(MgP)<sub>4</sub>MgPc**

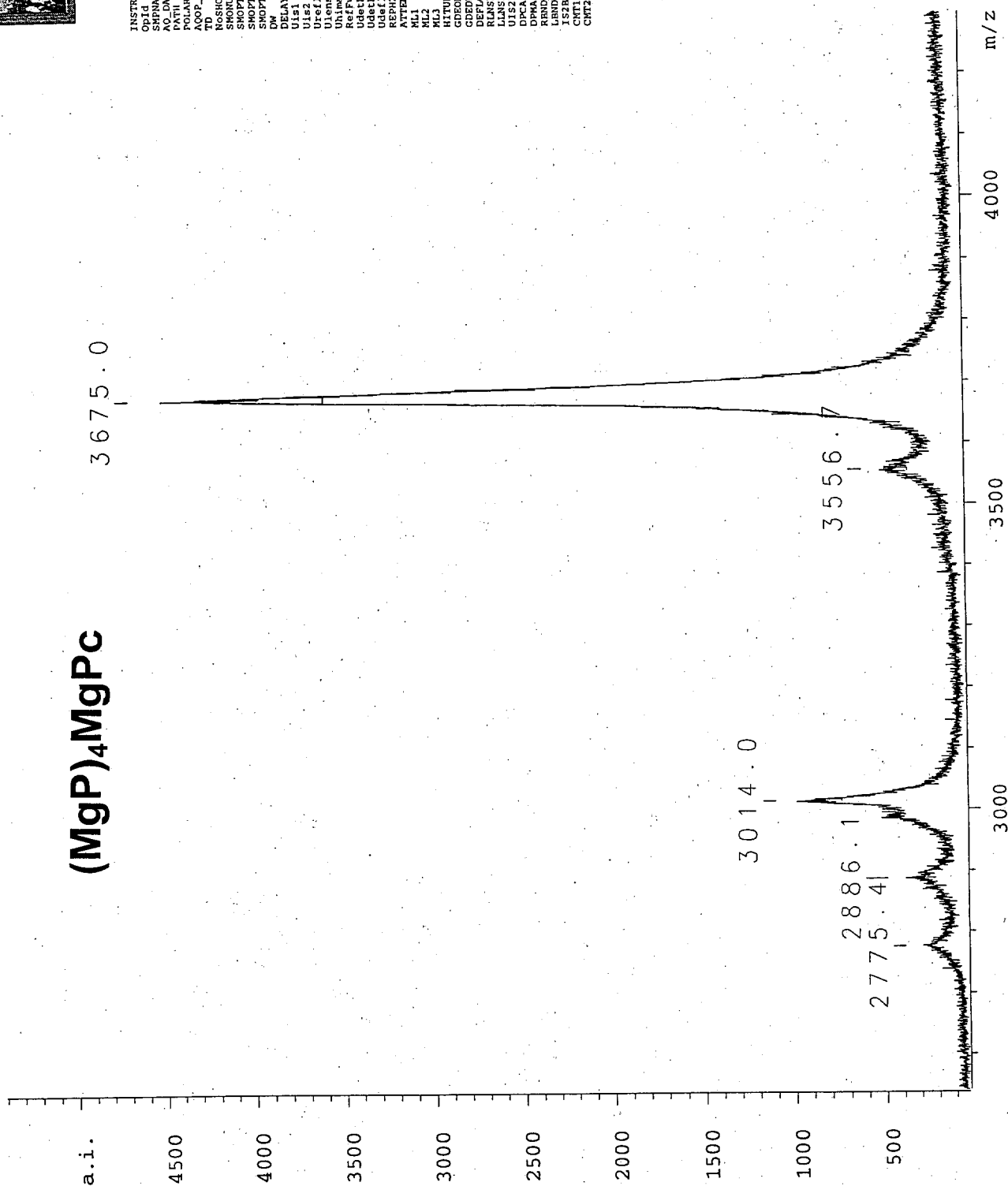


INSTRUM TOP  
 SPINAM 982506  
 ACQ DATE Thu Aug 20 19:49:00 1998  
 PATH /export/home/data/chemistry/LINDSEY/JUNZHONG  
 POLARI POS  
 AOPP\_m Reflector  
 TD 40000  
 SMOPTS 0  
 SMOPTS1 0  
 SMOPTS2 0  
 SMOPTS3 0  
 DM 2.00 [ns]  
 DELAY 0.00 [ns]  
 U1s1 17.80 [KV]  
 U1rfl 0.00 [KV]  
 U1ens 8.00 [KV]  
 U1mass 0.00 [KV]  
 RefFull 0.00 [KV]  
 UdetL 1.50 [KV]  
 UdetR 2.00 [KV]  
 RESZ 1.00 [Hz]  
 ATTEN 46.0  
 ML1 2087847.700  
 ML2 530.383  
 ML3 0.000  
 HITURBO no  
 FOCUS Short  
 CDELY no  
 DEFLON no  
 RLSEND no  
 LLSEND no  
 UISZEND no  
 DPCAL1 510.84  
 DPCAL2 70.00  
 PENVAL 0.33  
 LBNDVAL 0.28  
 IS2BNDV 0.91  
 CMT1 MgAP-pcmg  
 CMT2 att=45, NS=130

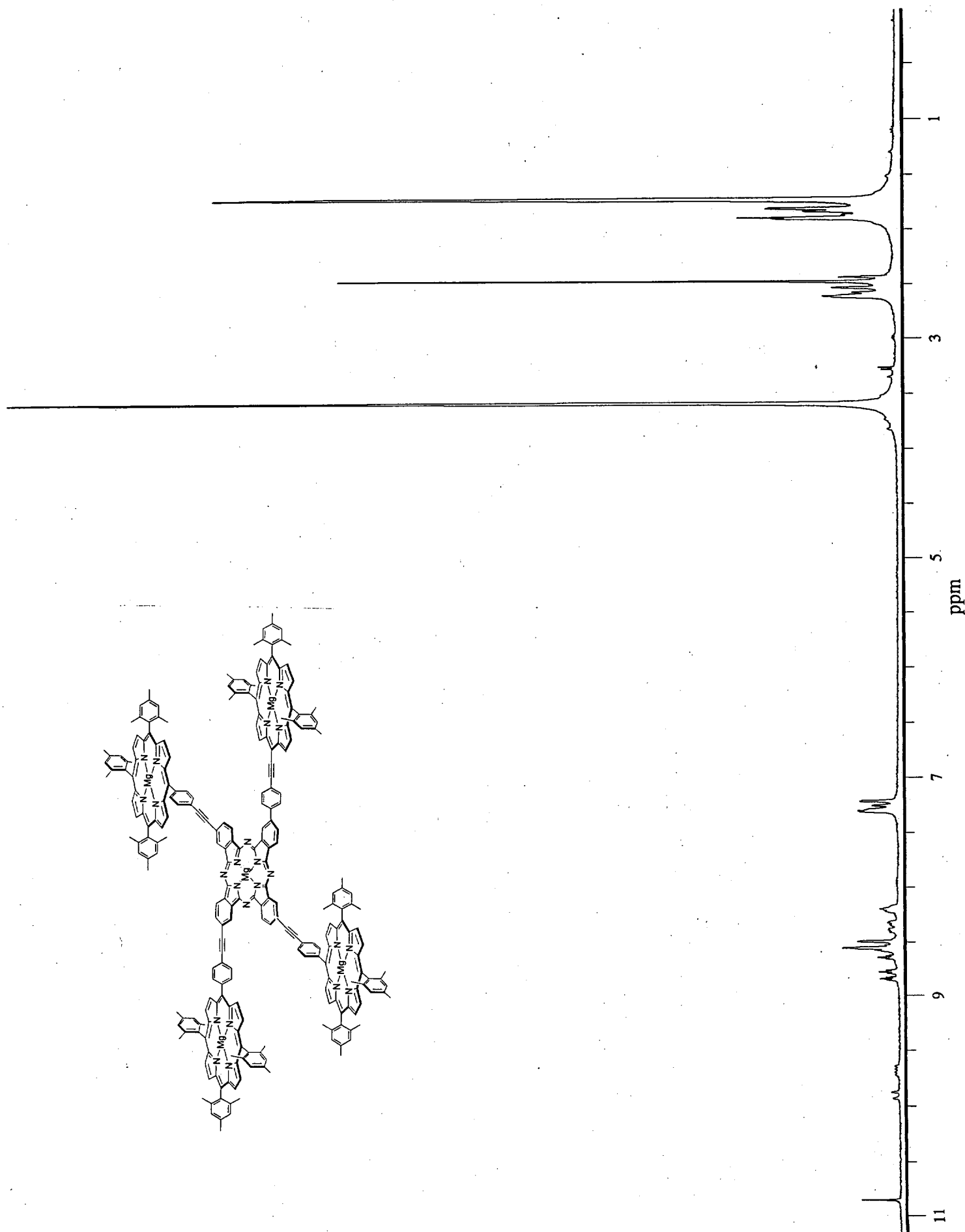


**(MgP)<sub>4</sub>MgPc**

3675.0



INSTRUM TOF  
 OPICIN Unknown  
 ACQ DATE Thu Aug 20 19:49:00 1998  
 PATH /export/home/data/chemistry/LINDSEY/JUI  
 POLARI POS  
 ACOOP\_m Reflector  
 TO MOPS 4000s  
 SWININ 75  
 SHOPTS1 0  
 SHOPTS2 0  
 SHOPTS3 0  
 DW 0 2.00 [ms]  
 DELAY 0 [ms] [KV]  
 U1S1 17.80 [KV]  
 Uref1 0.00 [KV]  
 U1ens 8.00 [KV]  
 U1mass 0.00 [KV]  
 RefFull 0.00 [KV]  
 UdetL 1.50 [KV]  
 UdetR 2.00 [KV]  
 REPHZ 1.00 [Hz]  
 ATTEM 46.0  
 ML1 2087847.700  
 ML2 530.383  
 ML3 0.000  
 HTRUBO no  
 HTRON Yes  
 CEEDLY short  
 DEFLEN no  
 RLNSBND no  
 LLNSBND no  
 USZBND no  
 CMT1 Mg4P-PeMg 510.84  
 att=45, NS=130 700.00 [Da]  
 CMT2 0.33  
 0.28  
 0.91

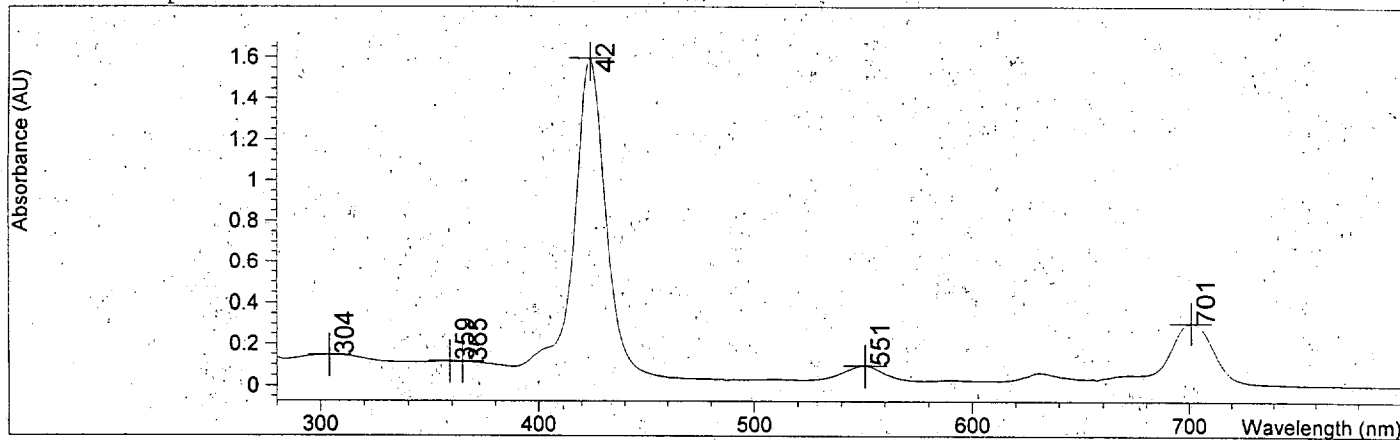


Spectrum/Peak Report

Date 10/27/98 Time 16:50:14 Page 1 of 1

Method file : <untitled>  
 Information : Default Method  
 Data File : C:\AUTOMAP\DATA\JZL\ZN4PPCZN.SD Created : 10/27/98 16:51:51

Overlaid Spectra: *Zn4PPCZn*

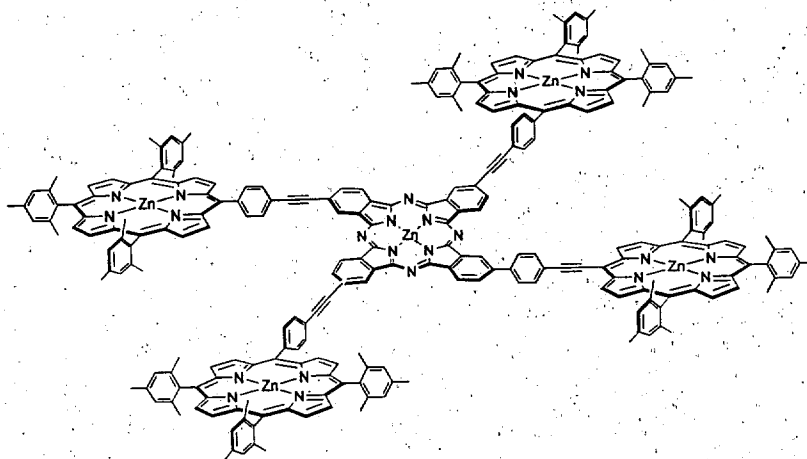


#	Name	Peaks (nm)	Abs (AU)
1		424.0	1.59460
1		701.0	0.30887
1		304.0	0.14483
1		359.0	0.11574
1		365.0	0.11336
1		551.0	9.7379E-2

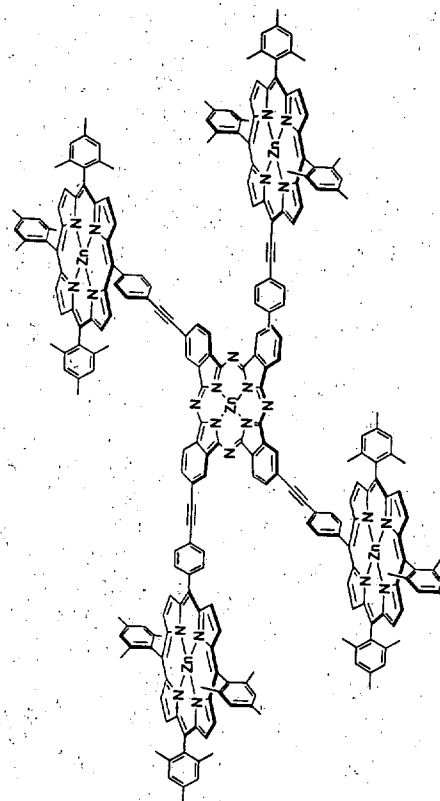
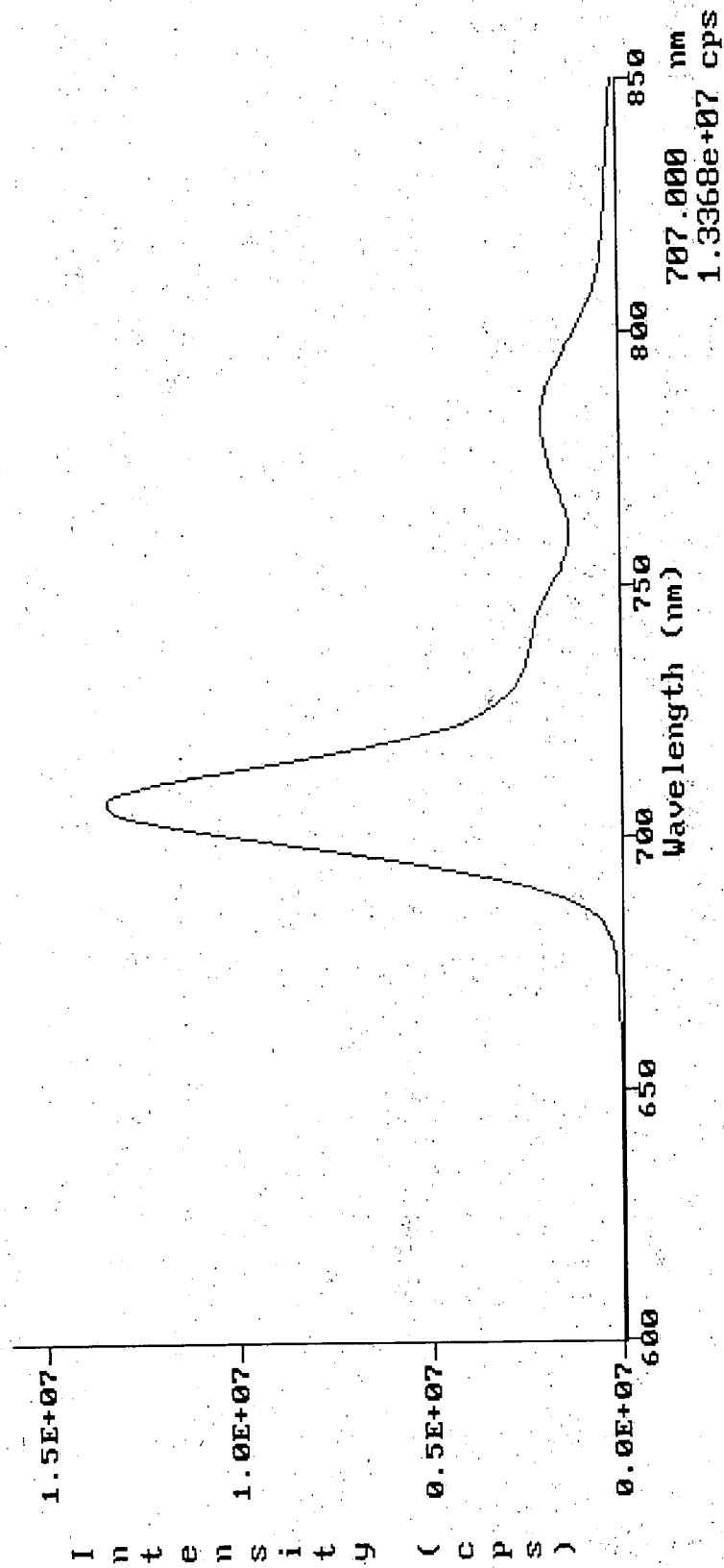
Report generated by : *Toluene*

Signature: .....

\*\*\* End Spectrum/Peak Report \*\*\*

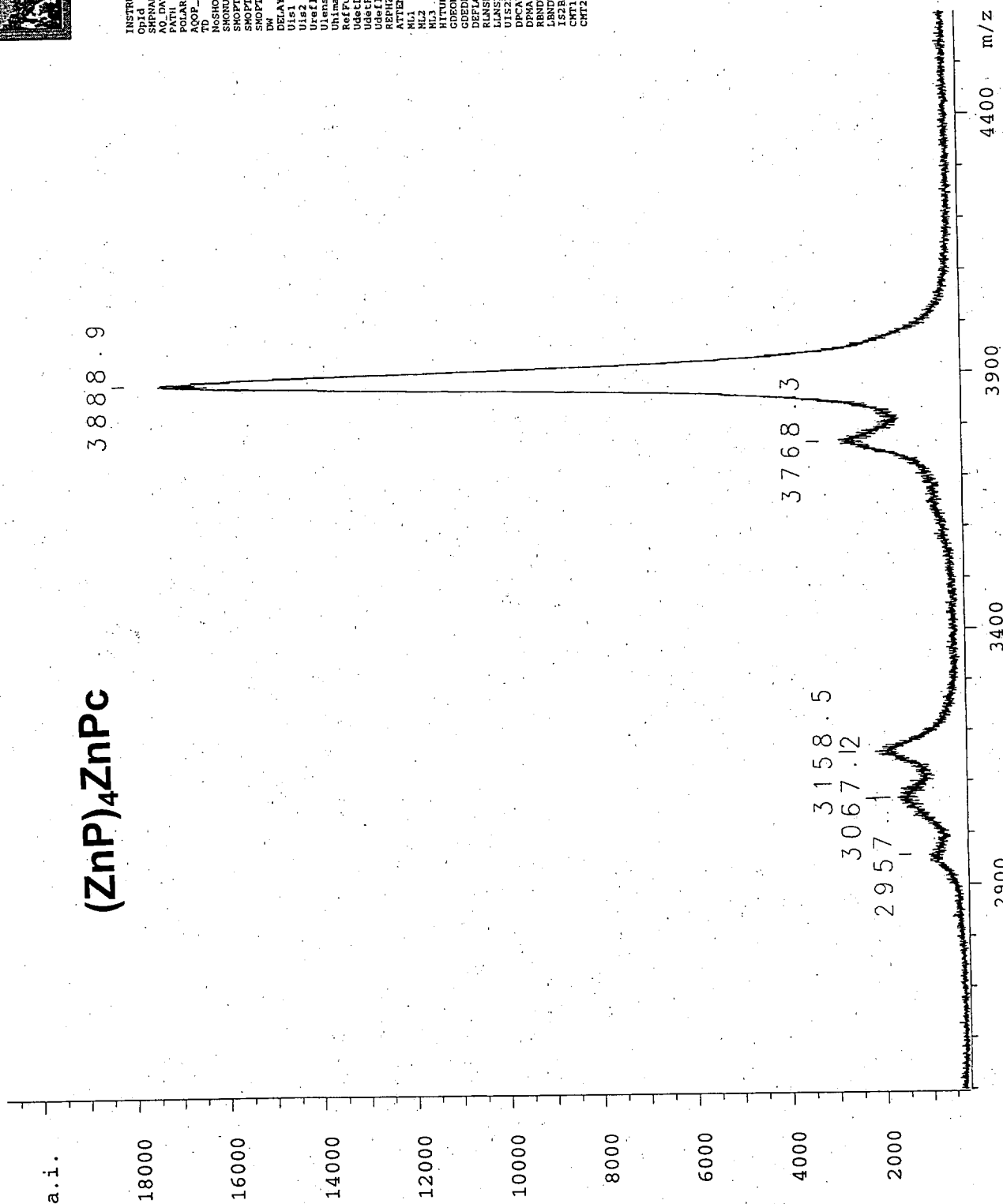


SPE X  
11 22  
■ ZN4PCZN.SPT Zn4PPcZn





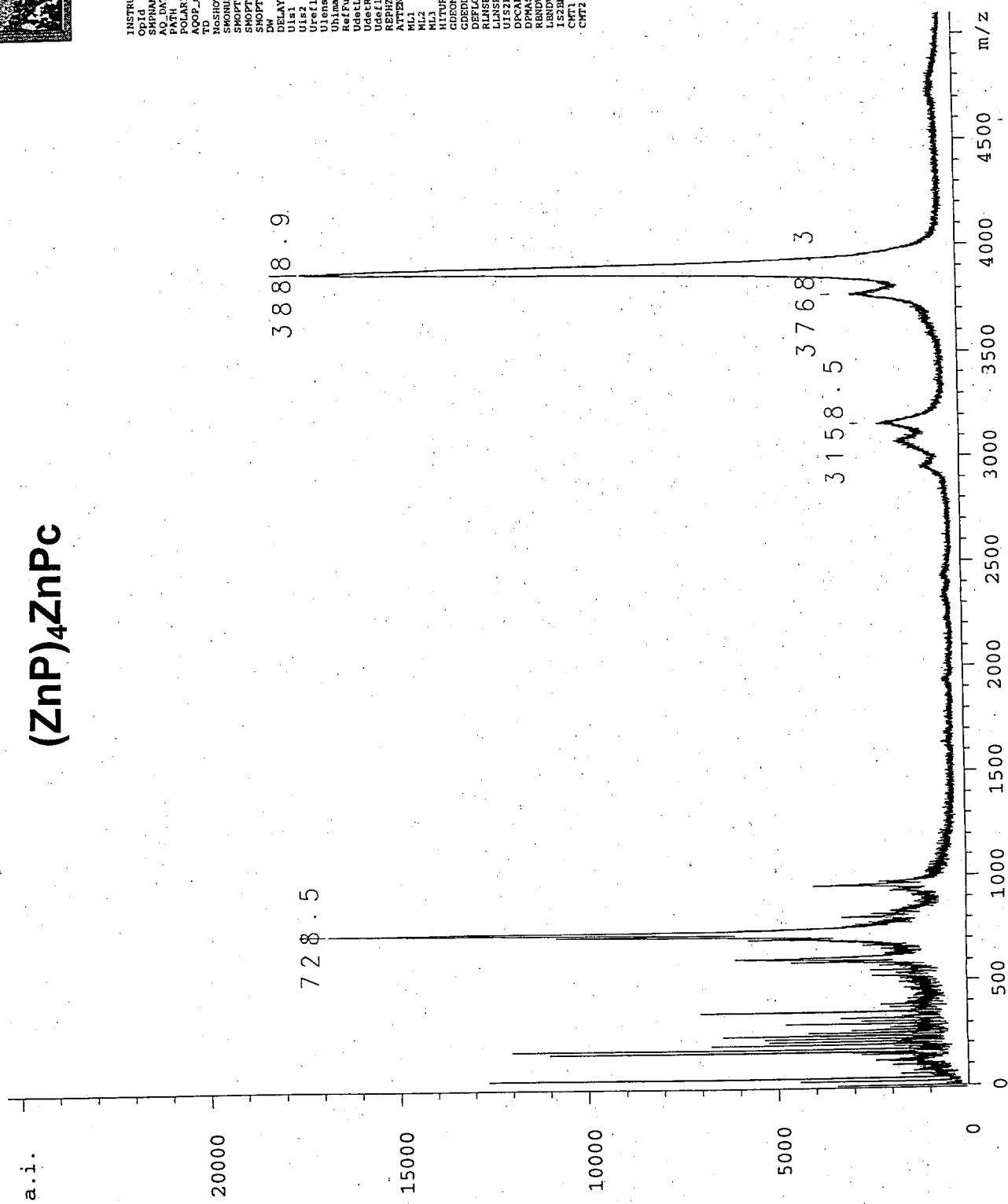
(ZnP)<sub>4</sub>ZnPc



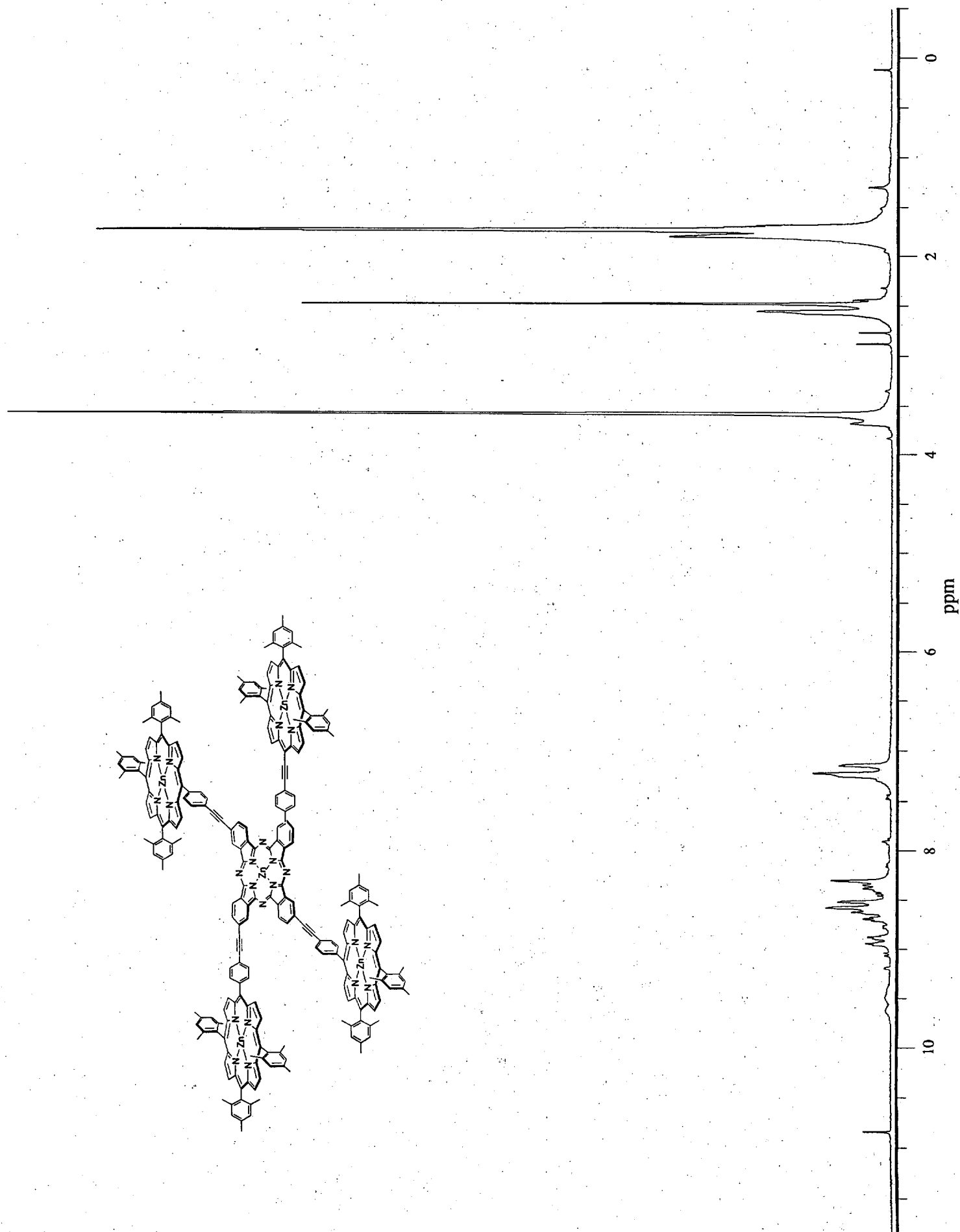
INSTRUM TOP  
 OpId Unknown  
 SHPNAM 982526  
 AC\_DATE Thu Aug 27 17:12:08 1998  
 PATH /export/home/data/chemistry/LINDSEY/  
 OPID 982526  
 ACQ\_Pm Reflecto  
 TD 50000  
 NoSHOTS 242  
 SHORUM 0  
 SHOPTS1 0  
 SHOPTS2 0  
 SHOPTS3 0  
 DW 1.00 [ns]  
 DELAY 0 [ns]  
 Uis1 20.00 [KV]  
 Uis2 18.50 [KV]  
 Uref1 0.00 [KV]  
 Uref2 0.00 [KV]  
 Uref3 0.00 [KV]  
 Uref4 0.00 [KV]  
 Uref5 0.00 [KV]  
 Uref6 0.00 [KV]  
 Uref7 0.00 [KV]  
 Uref8 0.00 [KV]  
 Uref9 0.00 [KV]  
 Uref10 0.00 [KV]  
 Udef1 2.00 [KV]  
 Udef2 2.00 [KV]  
 Udef3 2.00 [KV]  
 Udef4 2.00 [KV]  
 Udef5 2.00 [KV]  
 Udef6 2.00 [KV]  
 Udef7 2.00 [KV]  
 Udef8 2.00 [KV]  
 Udef9 2.00 [KV]  
 Udef10 2.00 [KV]  
 ATTN 45.00 [Hz]  
 MZ1 2067510.748  
 MZ2 353.368  
 MZ3 0.000  
 HITURBO no  
 GDEON yes  
 GDEDLY short  
 DEFOLD no  
 DEFOLD2 no  
 DEFOLD3 no  
 LANSND no  
 LANSND no  
 U152BND no  
 DPCALI 510.84  
 DPMAS 200.00 [Da]  
 PRNDVAL 0.31  
 PRNDVAL 0.28  
 PRNDVAL 0.91  
 CKM1 ZnAP-PcZn  
 CKM2 atn=40, porphyrin pos. parameter



(ZnP)<sub>4</sub>ZnPc



INSTRUM TOF  
 OpId Unknown  
 SMPNAM 982526  
 AQ\_DATE Thu Aug 27 17:13:08 1998  
 Report/home/data/chemistry/LINDSEY/JUN  
 POLARI POS  
 AOPD\_m Reflector  
 TD 50000  
 NoSHOTS 242  
 SMOXUM 0  
 SMOPT1 0  
 SMOPT2 0  
 SMOPT3 0  
 DW 1.00 [ns]  
 DELAY 0 [ns]  
 Uls1 20.00 [kV]  
 Uls2 18.50 [kV]  
 Uref1 7.50 [kV]  
 Uref2 7.50 [kV]  
 Unlpass 0.00 [kV]  
 RefFull 0.00 [kV]  
 UdetL 1.55 [kV]  
 UdetR 0.00 [kV]  
 Udef1 2.00 [kV]  
 Udef2 2.00 [kV]  
 REPHZ 45.00 [ns]  
 M11EN 2067510.748  
 ML1 353.368  
 ML2 0.000  
 ML3 0.000  
 HITURBO no  
 GDEON yes  
 CEEDLY Short  
 CEEDLY no  
 RLSRND no  
 LINSRND no  
 UISZRND no  
 DFCAL1 510.84 [Da]  
 DPMAS 20.30  
 LSNVAL 0.28  
 ISZRNDV 0.91  
 CMT1 Zn4P-PcZn  
 CMT2 attn=40, porphyrin pos. parameter



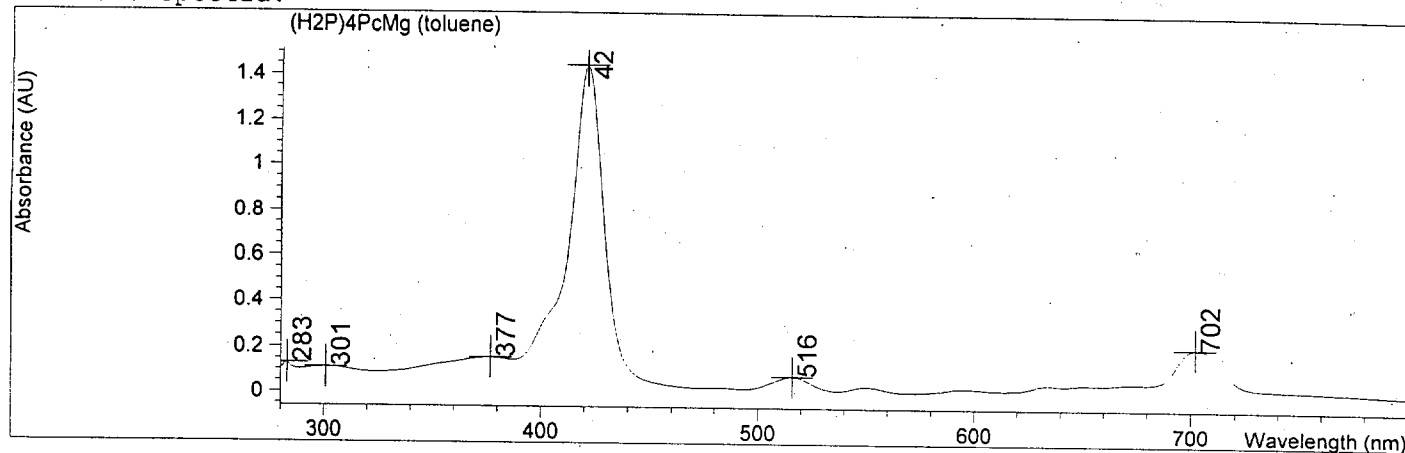


Spectrum/Peak Report

Date 10/26/98 Time 14:33:02 Page 1 of 1

Method file : <untitled>  
Information : Default Method  
Data File : <untitled>

Overlaid Spectra:

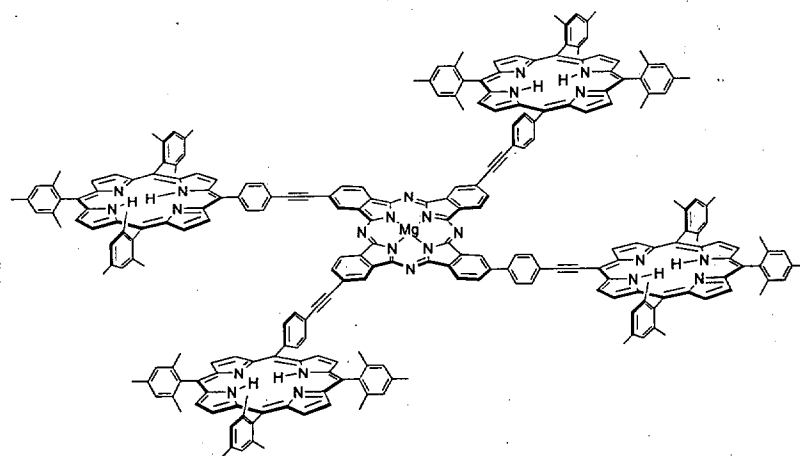


#	Name	Peaks (nm)	Abs (AU)
1	(H2P)4PcMg (tolu	421.0	1.44400
1		702.0	0.21353
1		377.0	0.15671
1		283.0	0.12854
1		301.0	0.10920
1		516.0	7.7827E-2

Report generated by :

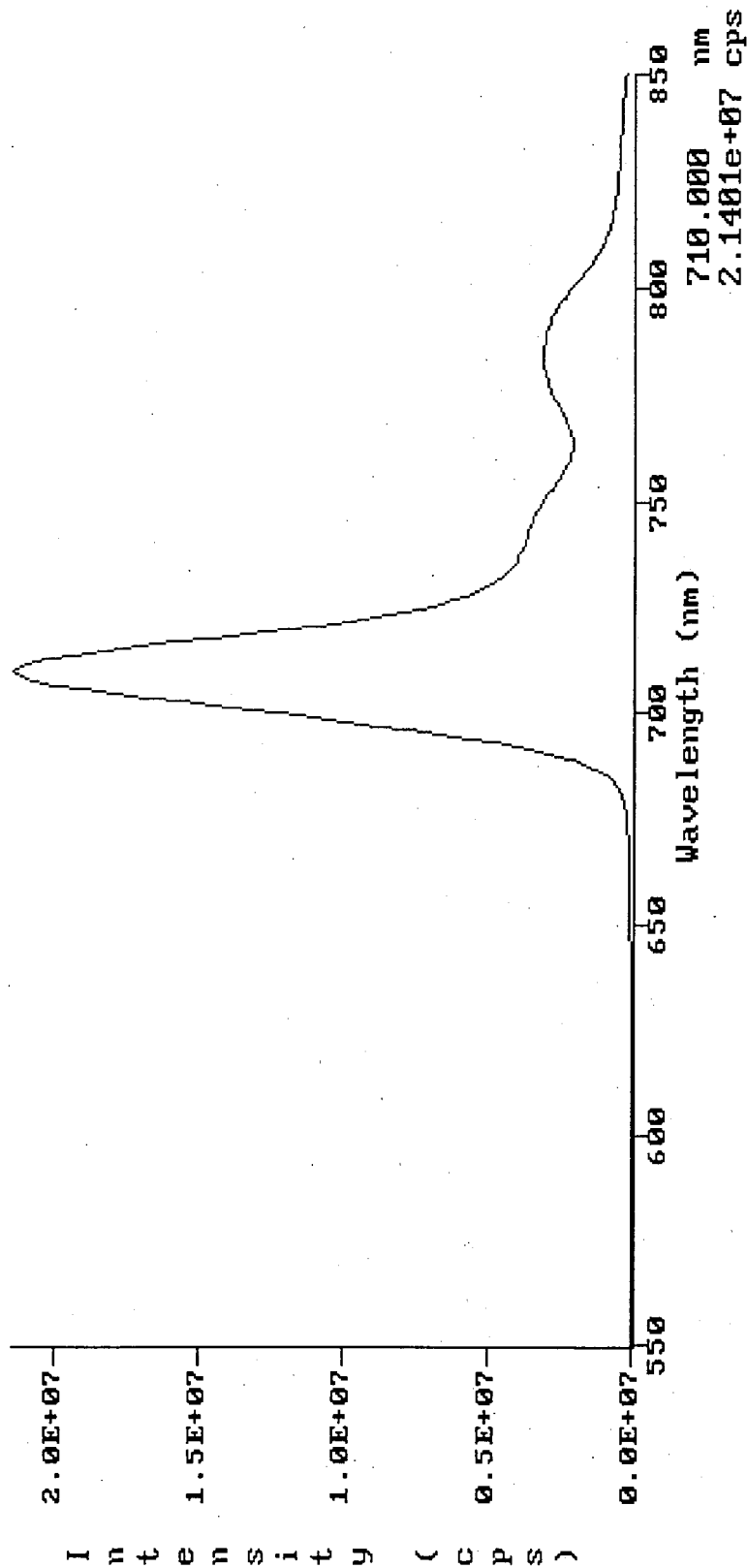
Signature: .....

\*\*\* End Spectrum/Peak Report \*\*\*

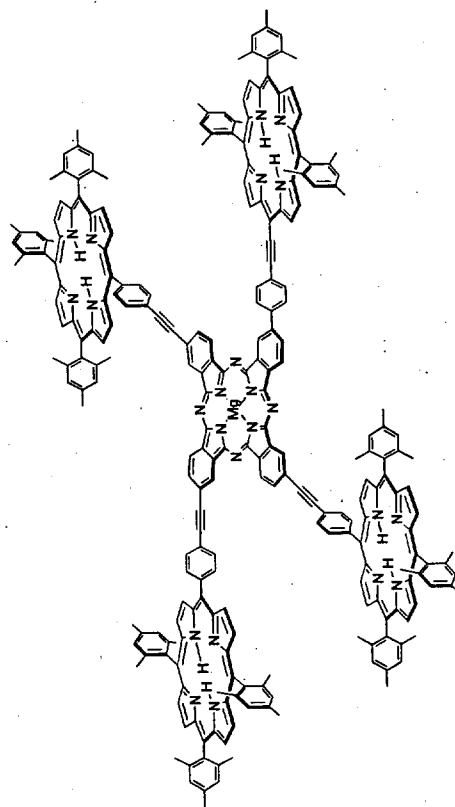


SPFX  
9 15

■ H8P4PCMG.SPT H8P4PcMg

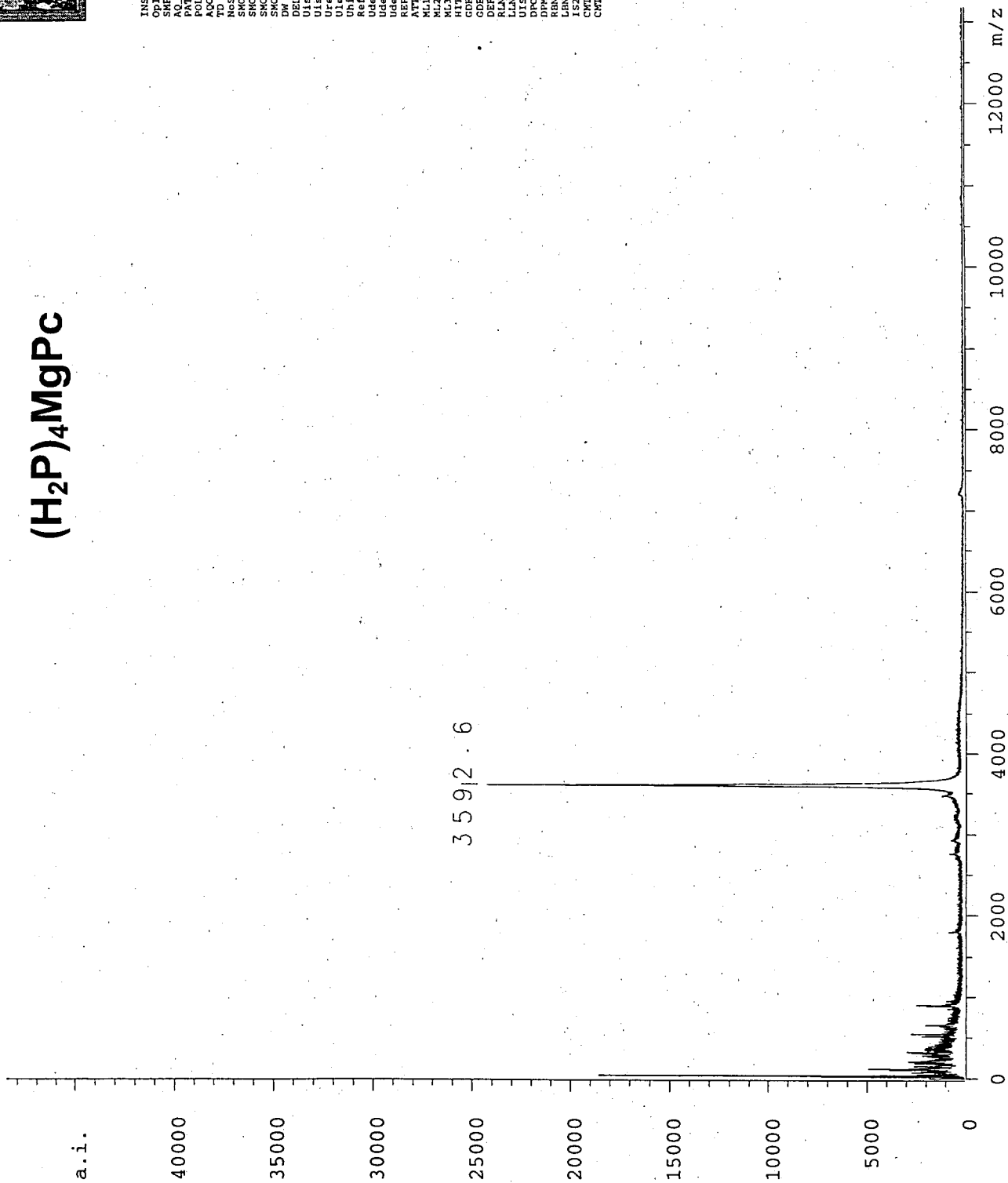


$\lambda_{ex} = 517nm$

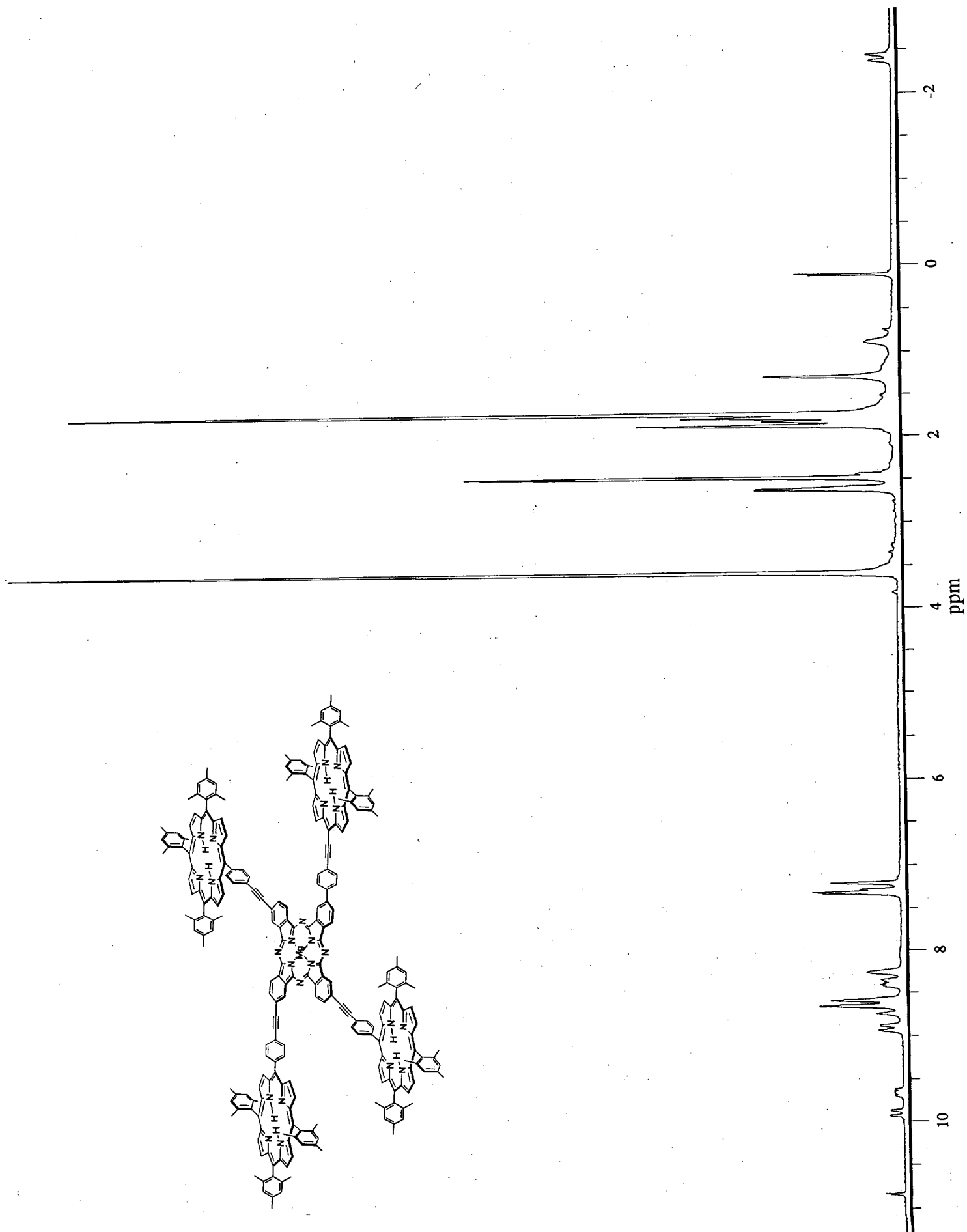




**(H<sub>2</sub>P)<sub>4</sub>MgPc**



INSTRUM TOP  
 OpId Unknown  
 SPMNM 982928  
 DATE /at Oct 24 15:49:46 1998  
 PCT /home/data/chemistry/LINDSEY/YA  
 POLARI POS /home/data/chemistry/LINDSEY/YA  
 AQP Jm Reflector  
 TD 40000  
 NSHOTS 200  
 SHORR 0  
 SHOTS 0  
 SMOPTS2 0  
 SMOPTS3 0  
 DW 2.00 [ns]  
 DELAY 0 [ns]  
 Uls1 20.00 [KV]  
 Uls2 18.50 [KV]  
 Uref1 0 [KV]  
 Uref2 7.50 [KV]  
 Unmass 0.00 [KV]  
 RefFull 0.00 [KV]  
 UdetL 1.55 [KV]  
 UdetR 0.00 [KV]  
 Udefl 2.00 [KV]  
 REPRZ 1.00 [Hz]  
 ML1EN 41.00  
 ML1 2083418.326  
 ML2 463.336  
 ML3 0.000  
 HITURBO no  
 CDEON yes  
 GDELY short  
 REFILL no  
 RANSEND no  
 LANSEND no  
 LIS2END no  
 LIS2END no  
 DPCAL1 510.84  
 DPMAS 200.00 [Da]  
 RNUAL 0.3  
 RNUVA 0.28  
 IS2BNOV 0.91  
 CMT1 H8PcMg  
 CMT2 atth=40, shots=200

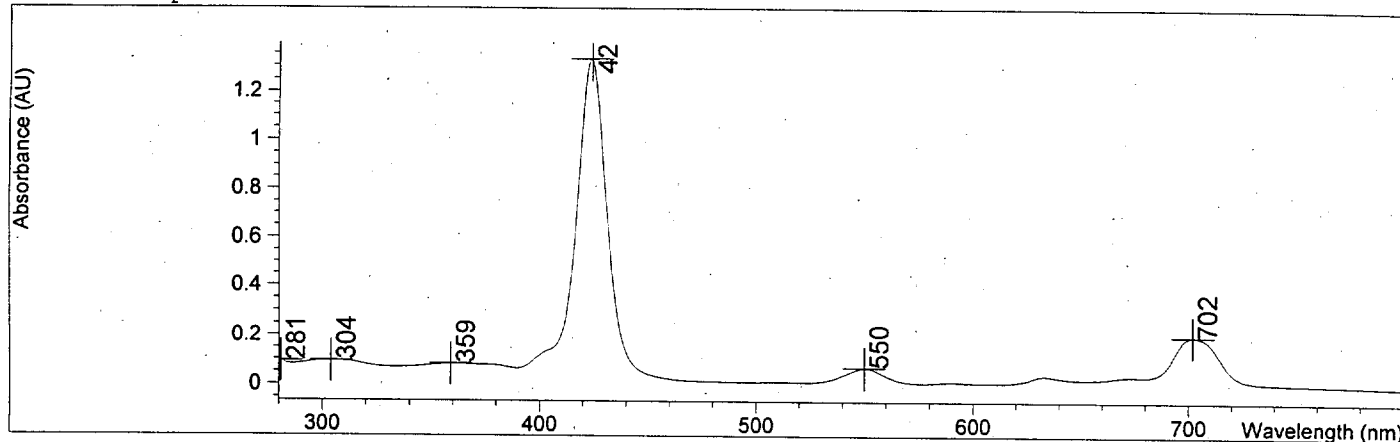


Spectrum/Peak Report

Date 11/03/98 Time 14:25:49 Page 1 of 1

Method file : <untitled>  
 Information : Default Method  
 Data File : C:\AUTOMAP\DATA\JZL\ZN4PPCMG.SD Created : 11/3/98 14:26:36

Overlaid Spectra:

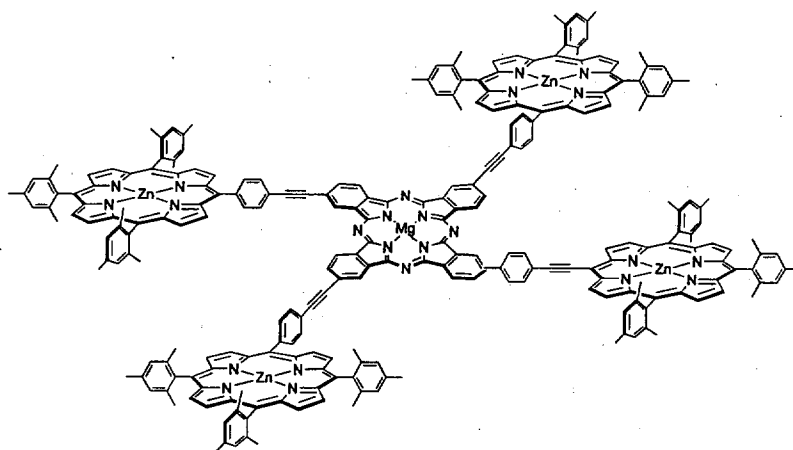


#	Name	Peaks (nm)	Abs (AU)
1		424.0	1.32660
1		702.0	0.20241
1		304.0	9.3319E-2
1		281.0	9.2415E-2
1		359.0	8.1204E-2
1		550.0	6.9995E-2

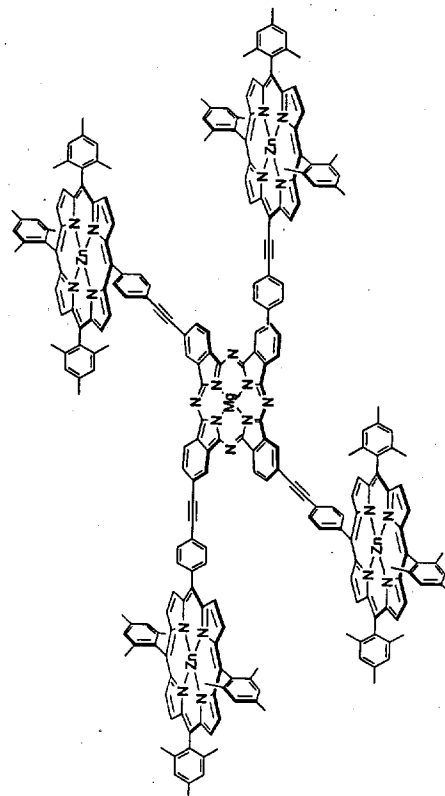
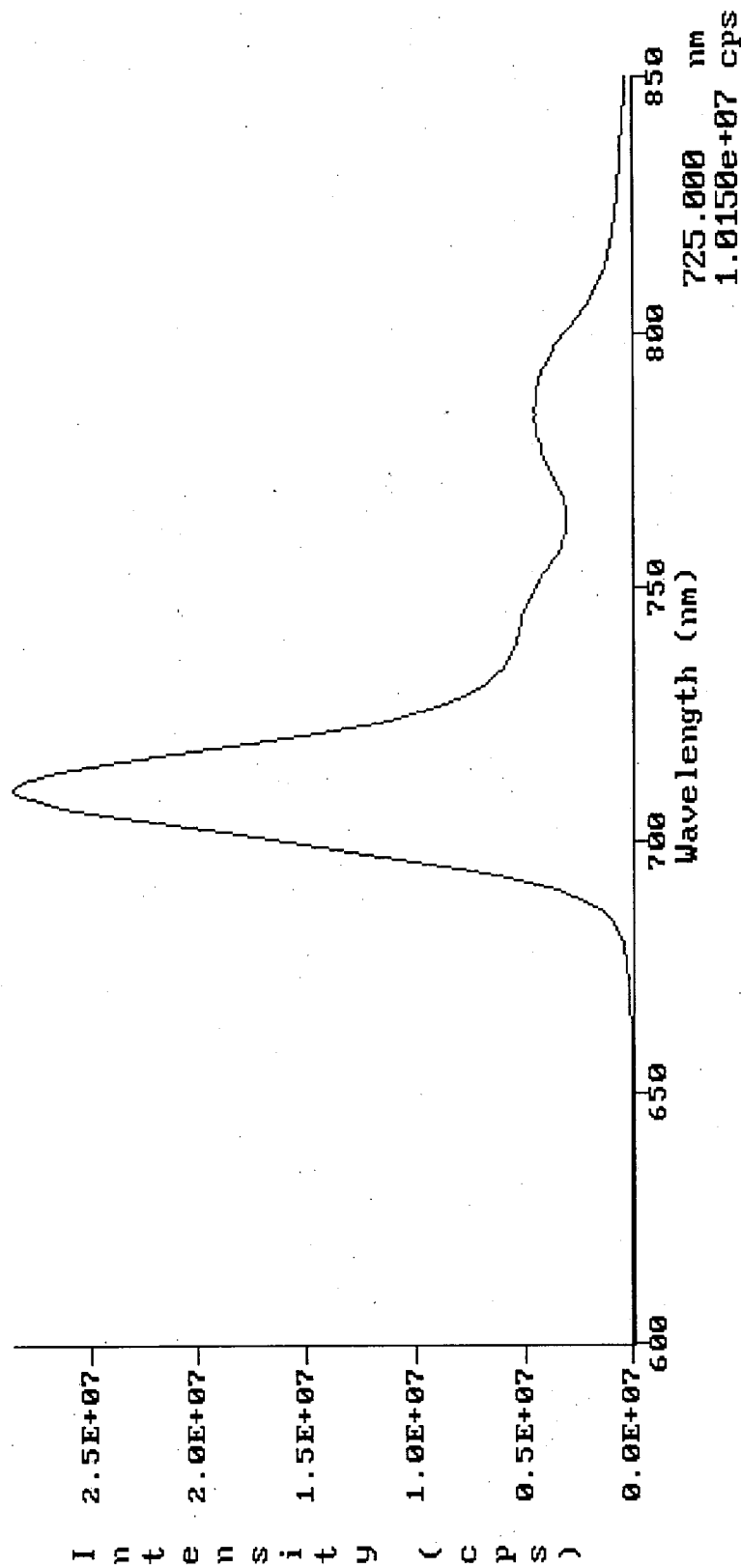
Report generated by :

Signature: .....

\*\*\* End Spectrum/Peak Report \*\*\*



SPFX 8 55 ■ ZN4PPCMG.SPT zn4ppcmg



**(ZnP)<sub>4</sub>MgPc**

