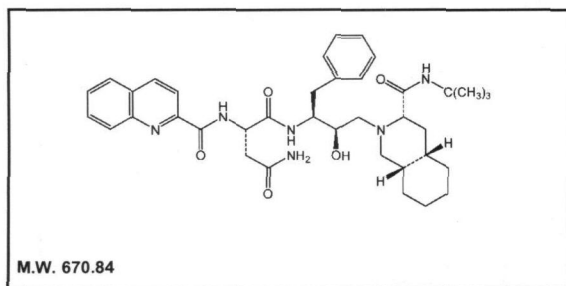




## Product Data Sheet

**M-1616**

### Saquinavir

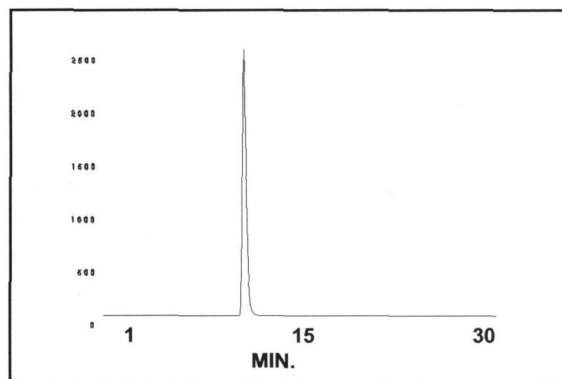


**Lot #:** 208-249-000-IBJ-20060804-Q

**Packaged as:** Solid

**Date of Analysis:** August 03, 2009

**Chemical Purity @ 239nm:** 99.9%



HPLC ANALYSIS LOT 208-249-000-IBJ-20060804-Q

File Name: int42052 Date and Time: 8/3/2009 11:05:53 AM  
Unit 4 UV

Peak #	Area %	Time	Area
1	0.01	5.11000	0.61215
2	0.01	10.27670	0.61468
3	99.90	10.70000	5344.82570
4	0.01	13.93670	0.50709
5	0.02	15.30670	0.80408
6	0.04	21.28330	2.25025
7	0.01	22.32670	0.72738
Totals	100.00		5350.34133

**Storage Recommendation:** Store at -20°C.

**Product Warranty:** Stated on the reverse side of this Product Data Sheet.

**Caution:** Not For Use In Humans Or Clinical Diagnosis. This product is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not intended for use in humans. Responsibility for its use in humans, as a diagnostic reagent, and compliance with federal laws rests solely with the purchaser.

**M-1616**

**Saquinavir**

**Lot 208-249-000-IBJ-20060804-Q**

**A) All chromatograms were run using the HPLC method described on the Product Data Sheet.**

**Concentrations and volumes:**

**Saquinavir** solution concentration was 1.0 mg/mL.

Volume of **Saquinavir** injection was 2.0  $\mu$ L.

Volume of blank injection was 2.0  $\mu$ L.

**B) Mass spectrometry - Positive mode**

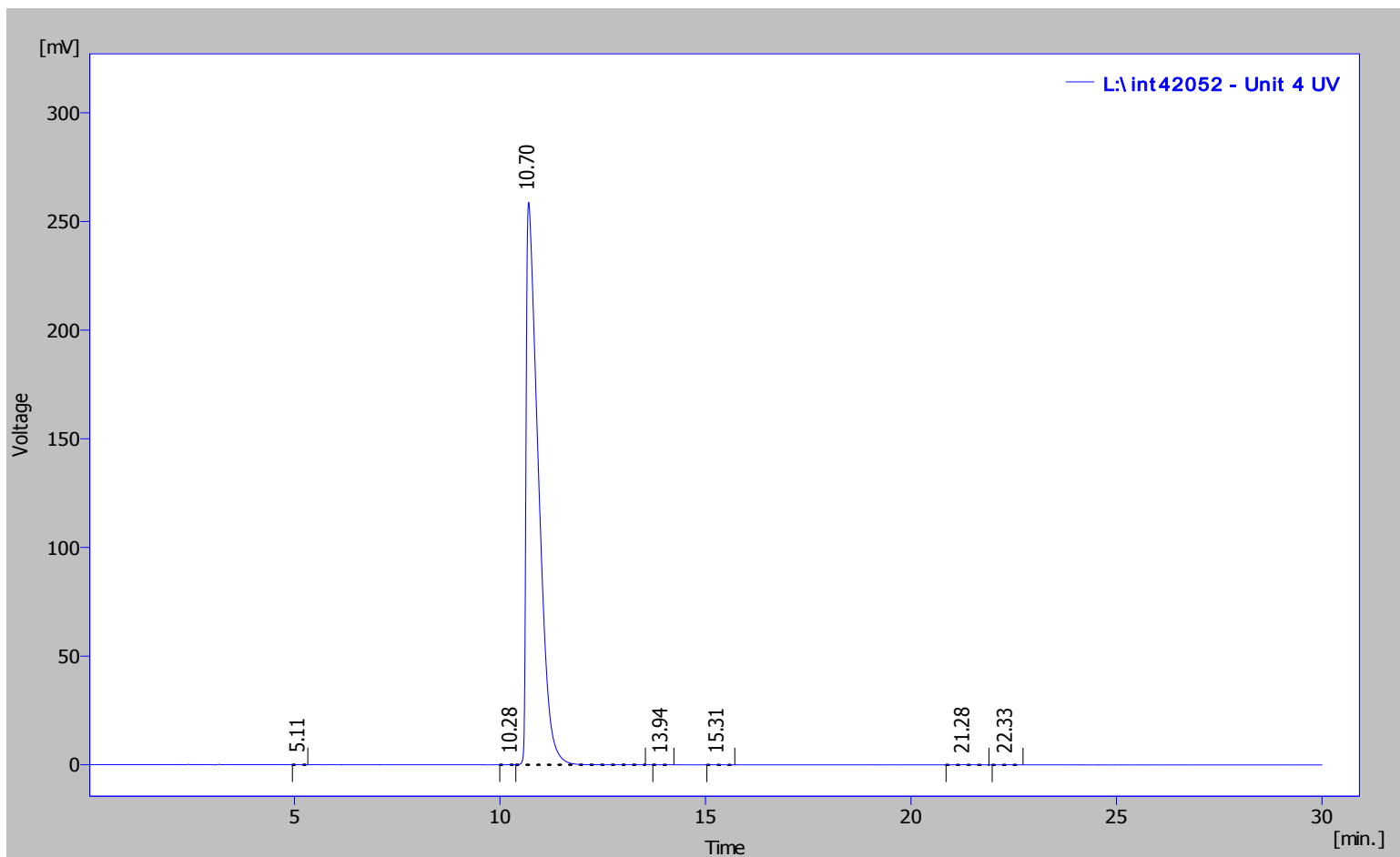
**C) NMR**

**D) UV Spectrum**

**M-1616**  
**Saquinavir**  
**Lot 208-249-000-IBJ-20060804-Q**

## Chromatogram Info:

File Name	: L:\int42052	File Created	: 11/12/2013 4:20:46 PM
Origin	: Acquired, Acquisition started 8/3/2009 10:35:54 AM	Acquired Date	: 8/3/2009 11:05:53 AM
Project	: Test	By	: Administrator
Method	: Unit4-30minrun	By	: Administrator
Description	: UV trace of saquinavir	Modified	: 11/12/2013 4:25 PM
Created	: 8/7/2007 9:44 AM		
Column	:	Detection	: UV 239nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



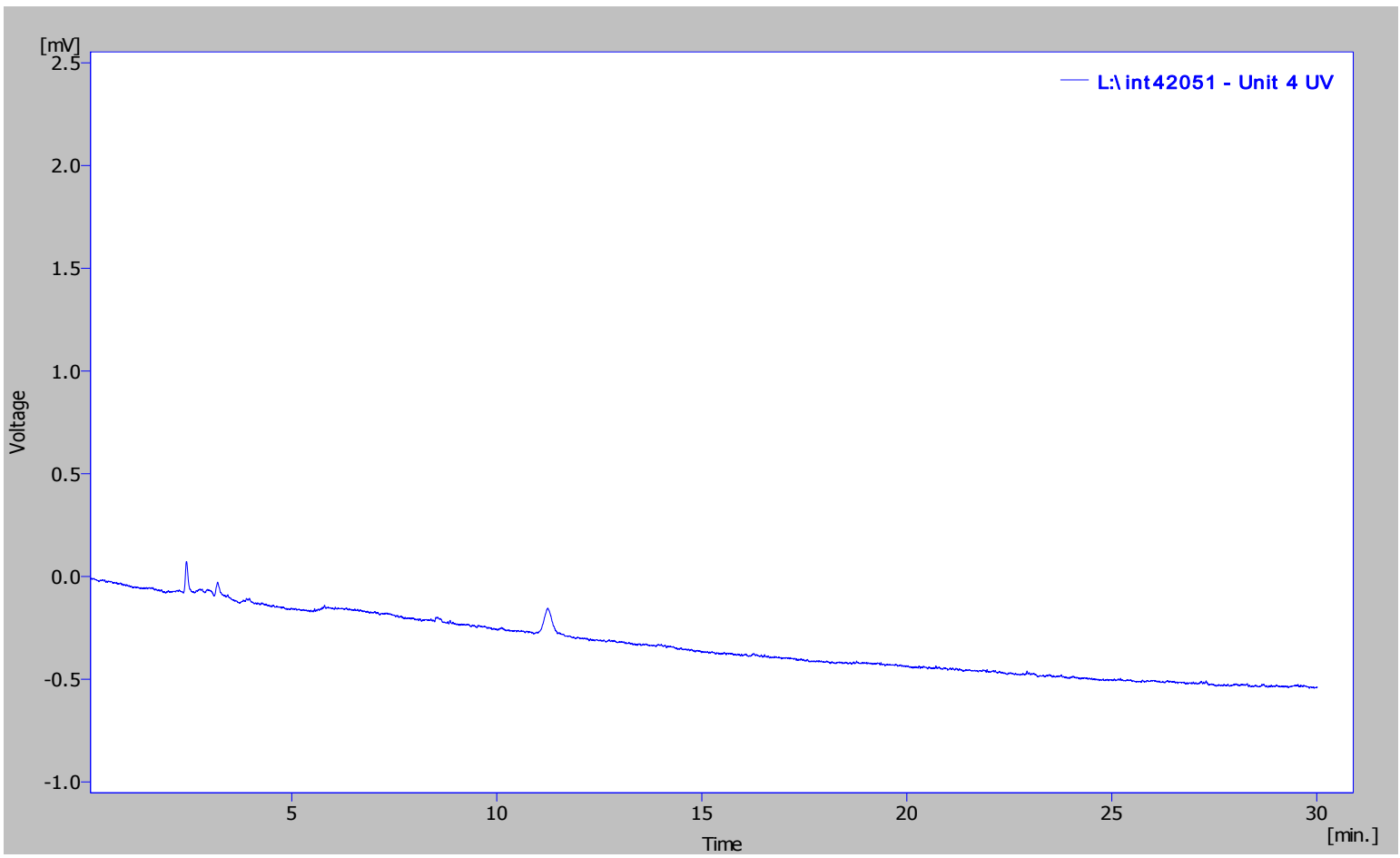
Result Table (Uncal - L:\int42052 - Unit 4 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		5.110	0.01	0.612	0.078	0.030	11955.457
2		10.277	0.01	0.615	0.050	0.019	11060.089
3		10.700	99.90	5344.826	258.809	99.874	6067.033
4		13.937	0.01	0.507	0.034	0.013	27820.573
5		15.307	0.02	0.804	0.039	0.015	14106.872
6		21.283	0.04	2.250	0.092	0.036	21708.570
7		22.327	0.01	0.727	0.033	0.013	23889.096
		Total	100.00	5350.341	259.135	100.000	

**M-1616**  
**Saquinavir**  
**Lot 208-249-000-IBJ-20060804-Q**

Chromatogram Info:

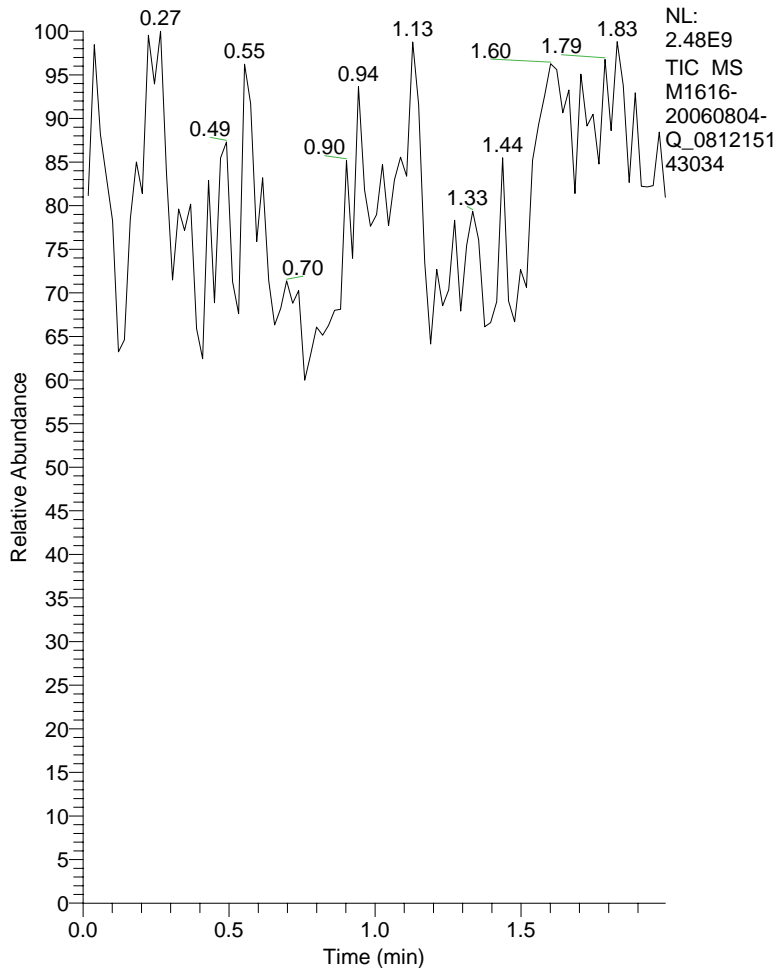
File Name	: L:\int42051	File Created	: 11/12/2013 4:20:46 PM
Origin	: Acquired, Acquisition started 8/3/2009 9:54:17 AM	Acquired Date	: 8/3/2009 10:24:16 AM
Project	: Test	By	: Administrator
Method	: Unit4-30minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/12/2013 4:23 PM
Created	: 8/7/2007 9:44 AM		
Column	:	Detection	: UV 239nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



*Result Table (Uncal - L:\int42051 - Unit 4 UV)*

Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
No peak to report						

RT: 0.00 - 1.99



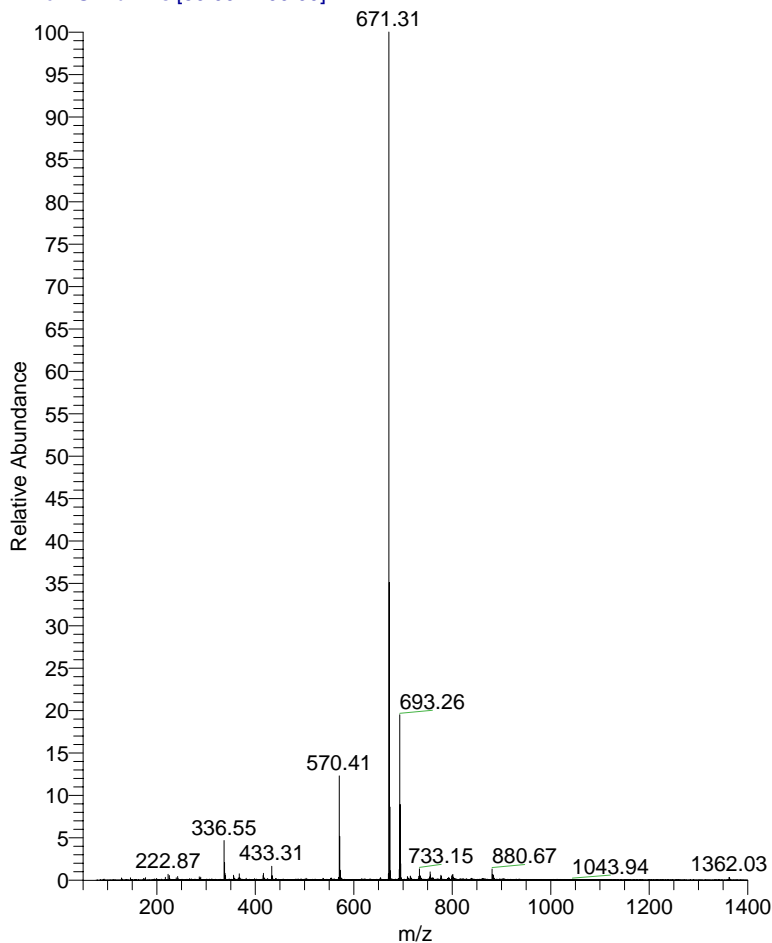
M1616-20060804-Q\_081215143034#1-97 RT:

T: + c NSI Full ms [50.00-1400.00]

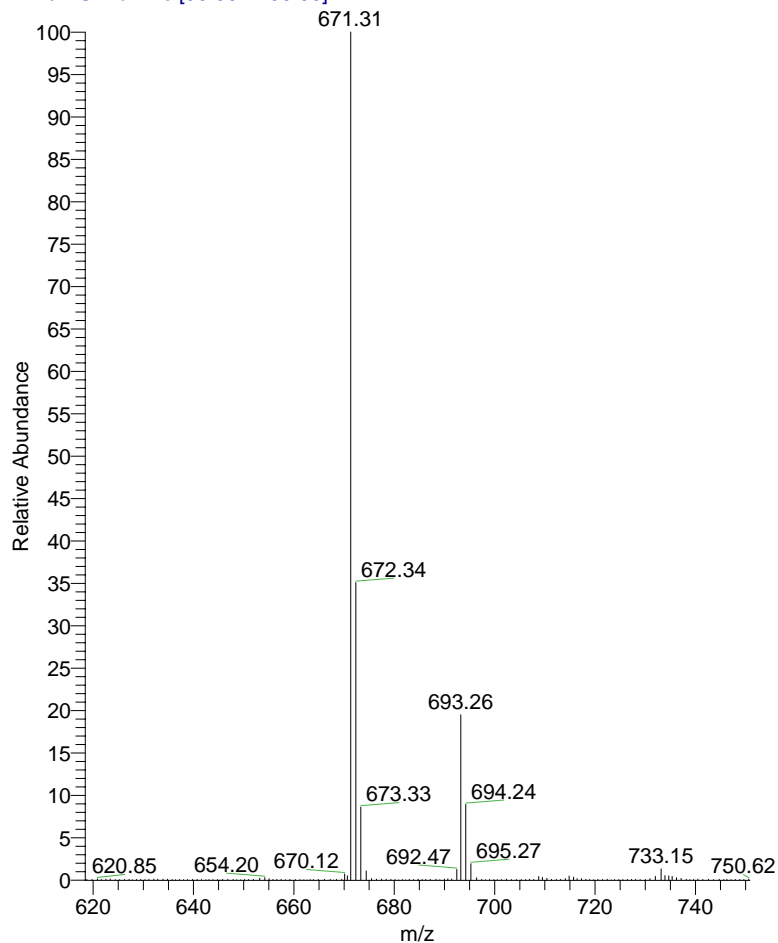
m/z = 666.89-678.61

m/z	Intensity	Relative
667.89	65806.4	0.01
668.49	566834.4	0.09
669.53	706772.5	0.11
670.12	4622490.2	0.73
670.65	3245025.6	0.51
671.31	631559378.0	100.00
672.34	221522636.2	35.08
673.33	54354992.1	8.61
674.42	6817665.5	1.08
675.45	1085837.4	0.17
676.45	647073.2	0.10
677.46	756845.9	0.12
678.41	683203.2	0.11

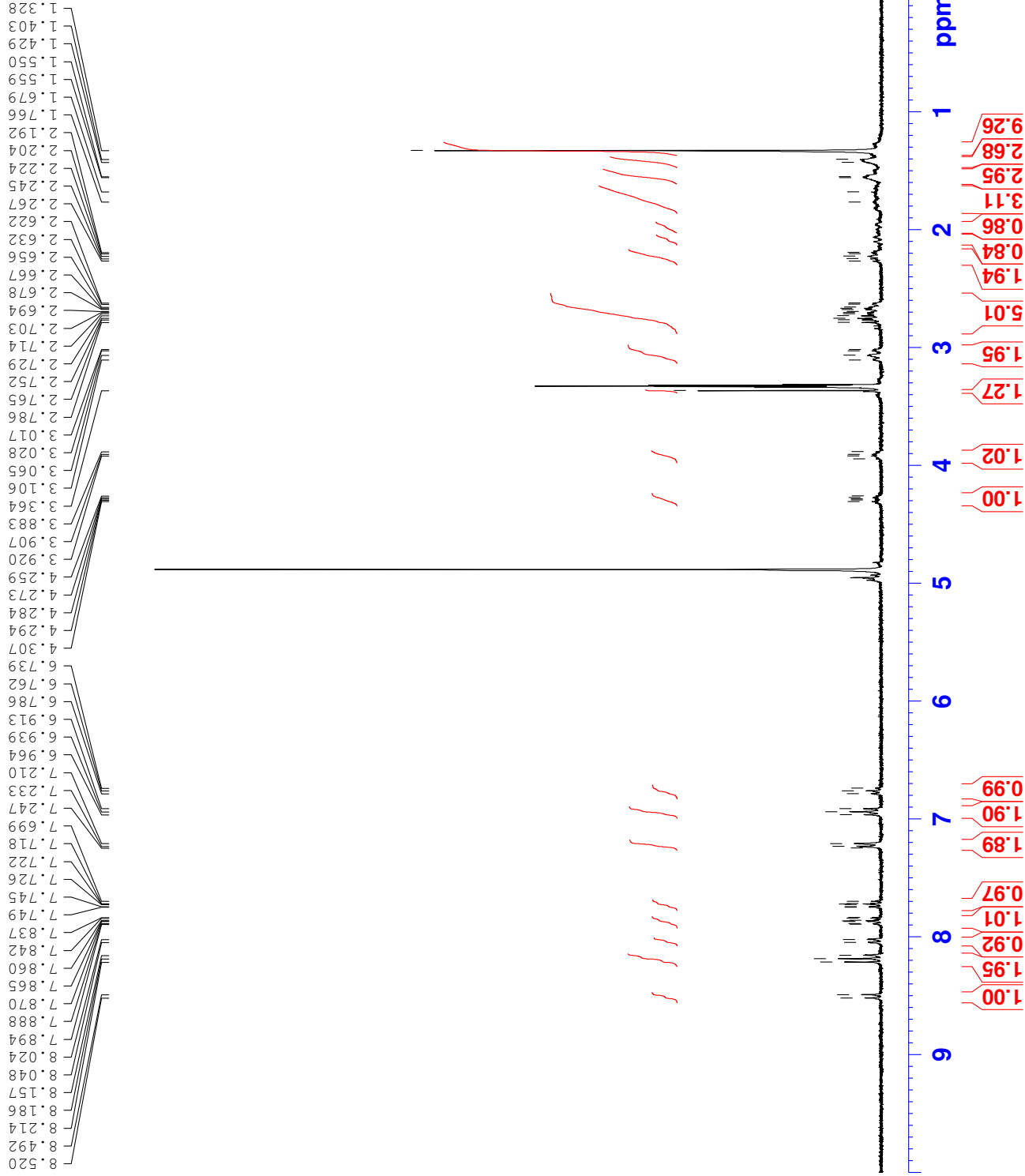
M1616-20060804-Q\_081215143034 #1-97 RT: 0.02-1.99 AV: 97 NL: 6.32E8  
T: + c NSI Full ms [50.00-1400.00]



M1616-20060804-Q\_081215143034 #1-97 RT: 0.02-1.99 AV: 97 NL: 6.32E8  
T: + c NSI Full ms [50.00-1400.00]



M1616 1H NMR in MeOD  
Batch 20060804-Q



```

Current Data Parameters
NAME      M1616
EXPNO    1
PROCNO   1

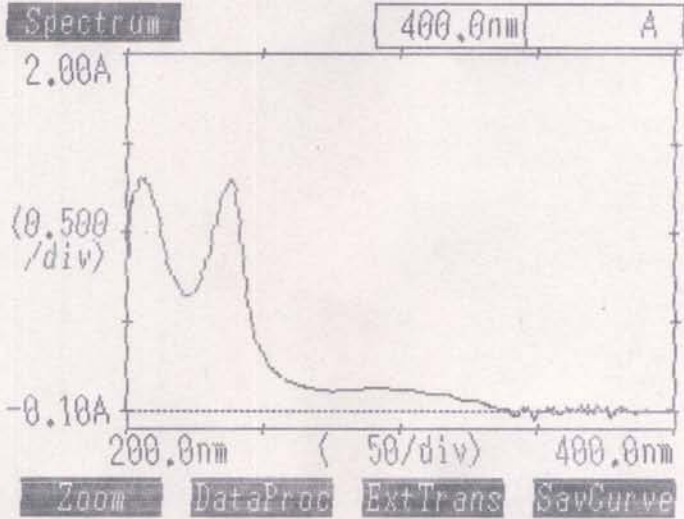
F2 - Acquisition Parameter
Date_    20090403
Time     15.52
INSTRUM spect
PROBHD   5 mm DUX 3H-1H
PULPROG zg30
TD       65536
SOLVENT  MeOD
NS       349
DS       2
SWH      6172.839 Hz
FIDRES   0.094190 Hz
AQ       5.3084660 se
RG       362
DW       81.000 us
DE       6.00 us
TE       300.0 K
D1       1.00000000 se
TD0      1

===== CHANNEL f1 =====
NUC1     1H
P1       10.25 us
PL1      0.00 dB
SFO1     300.1318534 MH

F2 - Processing parameters
SI       32768
SF       300.1300000 MH
WDW      no
SSB      0
LB       0.00 Hz
GB       0
PC       1.00
  
```



03/Aug/09 11:50:24



03/Aug/09 11:51:03

Peak detection

Abscis.	ABS	Abscis.	ABS
291.0	0.131		
238.5	1.307		

Graph PrintOut Valley