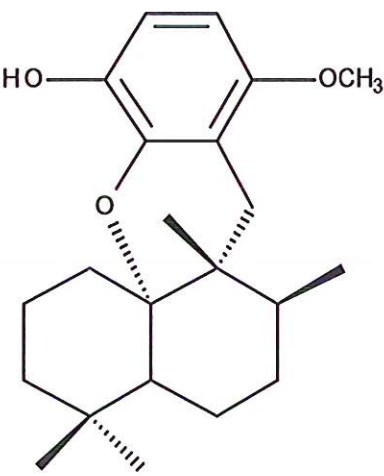


HBOI-79		
STRONGYLIN A		
$C_{22}H_{32}O_3$		344.49
Petrosiidae		
Wright, Rueth, and Cross, 1991, <i>J. Nat. Prod.</i> , 54(4):1108-1111		

Isolation scheme (Visio) attached

hplc method (trace attached)

Method: Vydac C18 Protein and Peptide, 4.6 x 250mm, 10 $\mu$   
 flow 1 ml/min, detection: PDA: UV (extracted at 220 nm, black); ELSD (green dotted)  
 A: H<sub>2</sub>O:CH<sub>3</sub>CN (95:5, v/v), B: CH<sub>3</sub>CN  
 t=0 min A:B (90:10, v/v), t=20 min (100%B) , t=28 min (100%B)

LC-MS method

Method: Vydac C18 Protein and Peptide, 2.1x150 mm, flow 0.2 ml/min  
 A: H<sub>2</sub>O (0.1% formic acid), B: CH<sub>3</sub>CN (0.1% formic acid)  
 t= 0 min A:B (90:10, v/v), t=15 min (100%B), t=21 min (100%B), t=22.1 min A:B(90:10, v/v)  
 using a linear gradient

<sup>1</sup>H (600 MHz)       CDCl<sub>3</sub>       CD<sub>3</sub>OD (Methanol-d<sub>4</sub>)       CDCl<sub>3</sub>/CD<sub>3</sub>OD

<sup>13</sup>C (150 MHz)       CDCl<sub>3</sub>       CD<sub>3</sub>OD (Methanol-d<sub>4</sub>)       CDCl<sub>3</sub>/CD<sub>3</sub>OD

solubility       CHCl<sub>3</sub>/MeOH (9:1)       MeOH       DMSO

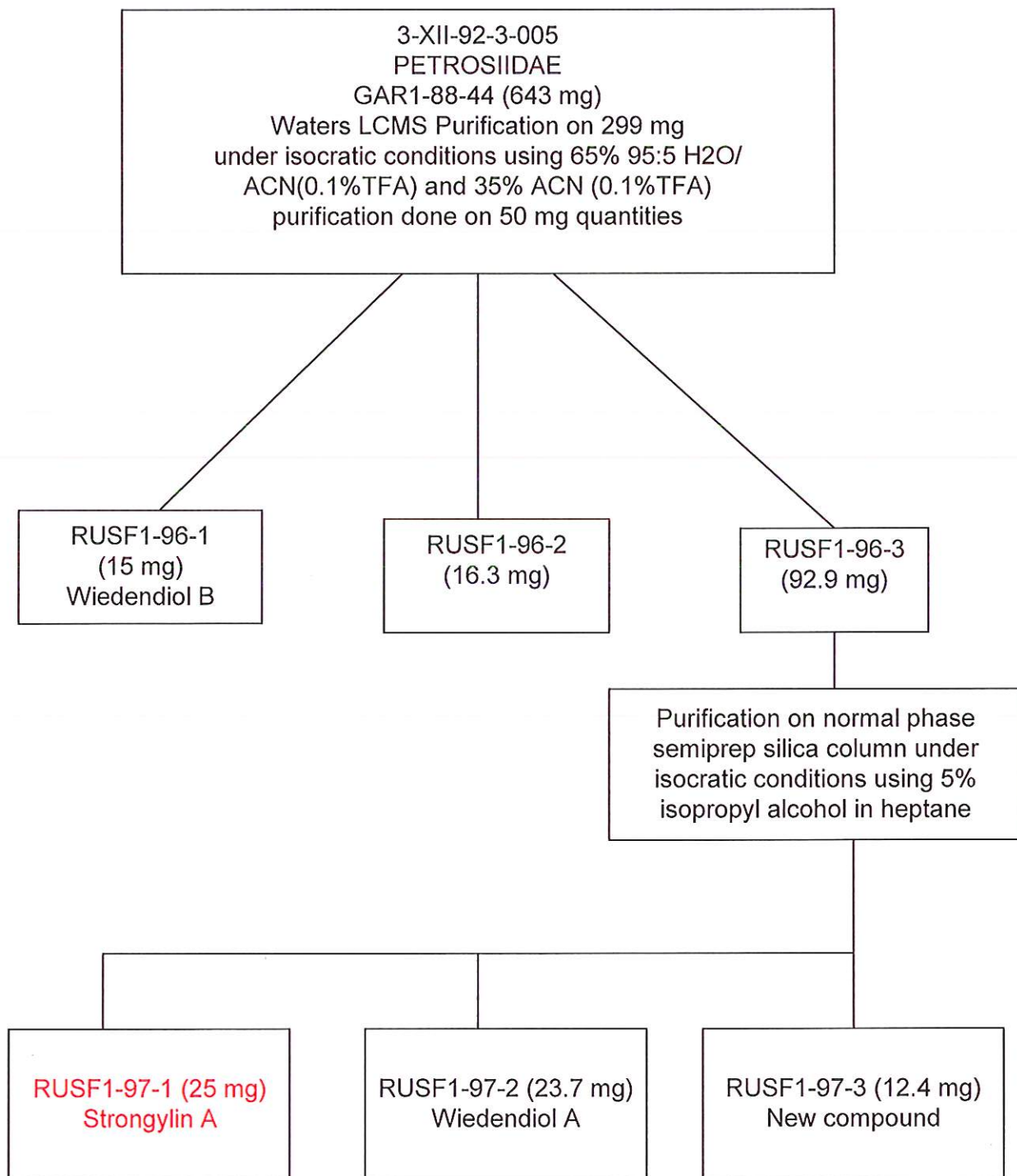
estimated purity\_ >90\_%

sample weight \_19.5\_\_mg

For further information contact:

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[awrigh33@hboi.fau.edu](mailto:awrigh33@hboi.fau.edu), 772-242-2459

Date: 1/28/13



Semi prep silica column used was a Whatman partisol 10 (m9/25) column 9.5×250 mm.

Flow rate 3 mL/min.

Isocratic conditions 5% Isopropyl alcohol in heptane for 20 min.

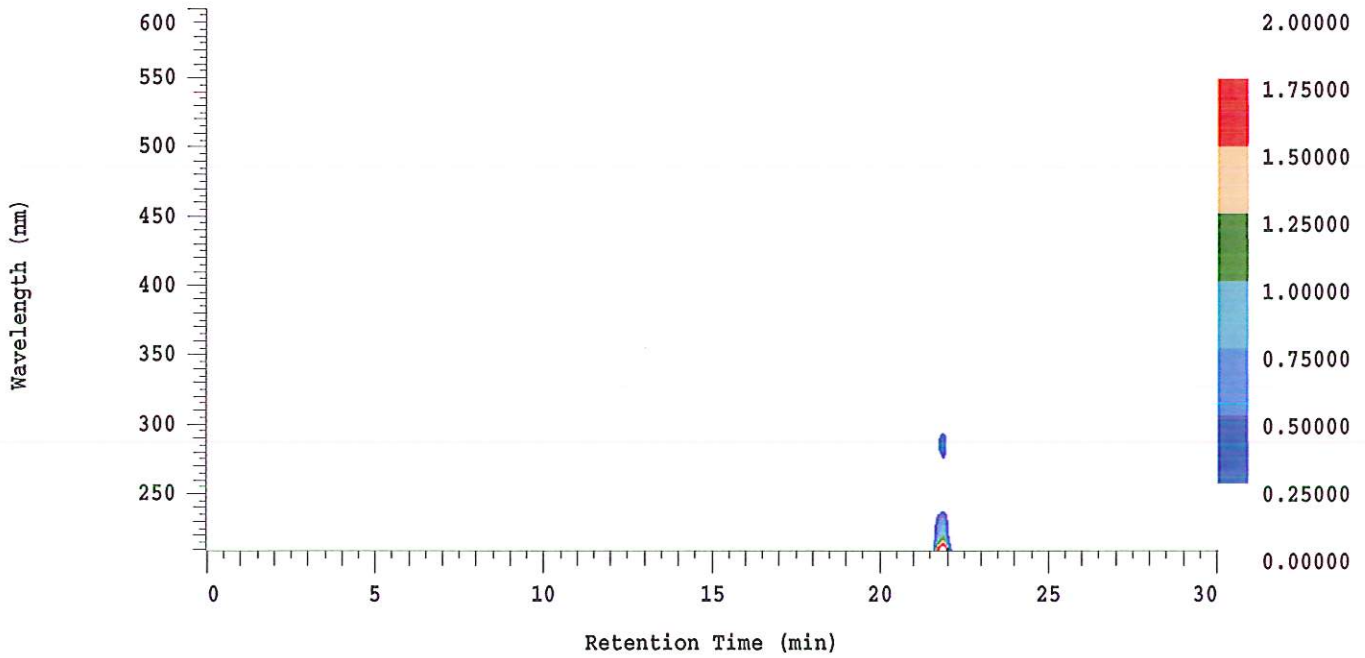
### D-2000 Elite HPLC System Manager Report

Analyzed: 01/23/2013 06:54 PM

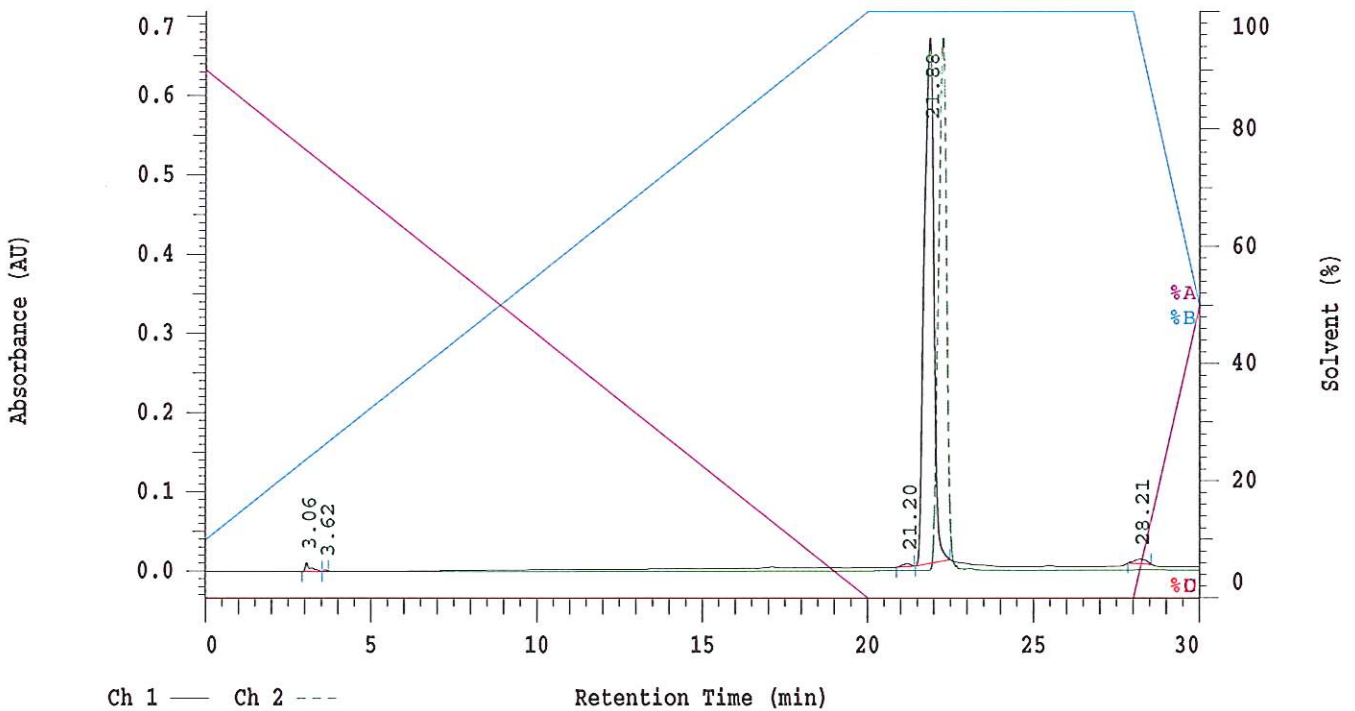
Reported: 01/24/2013 10:41 AM

Sample Name: HBOI-79

Sample Description: HBOI-79



Channel 1 Chrom Type: Fixed WL Chromatogram, 230 nm



Acquisition Method: autosamp\_30mn\_UV220\_wELSD

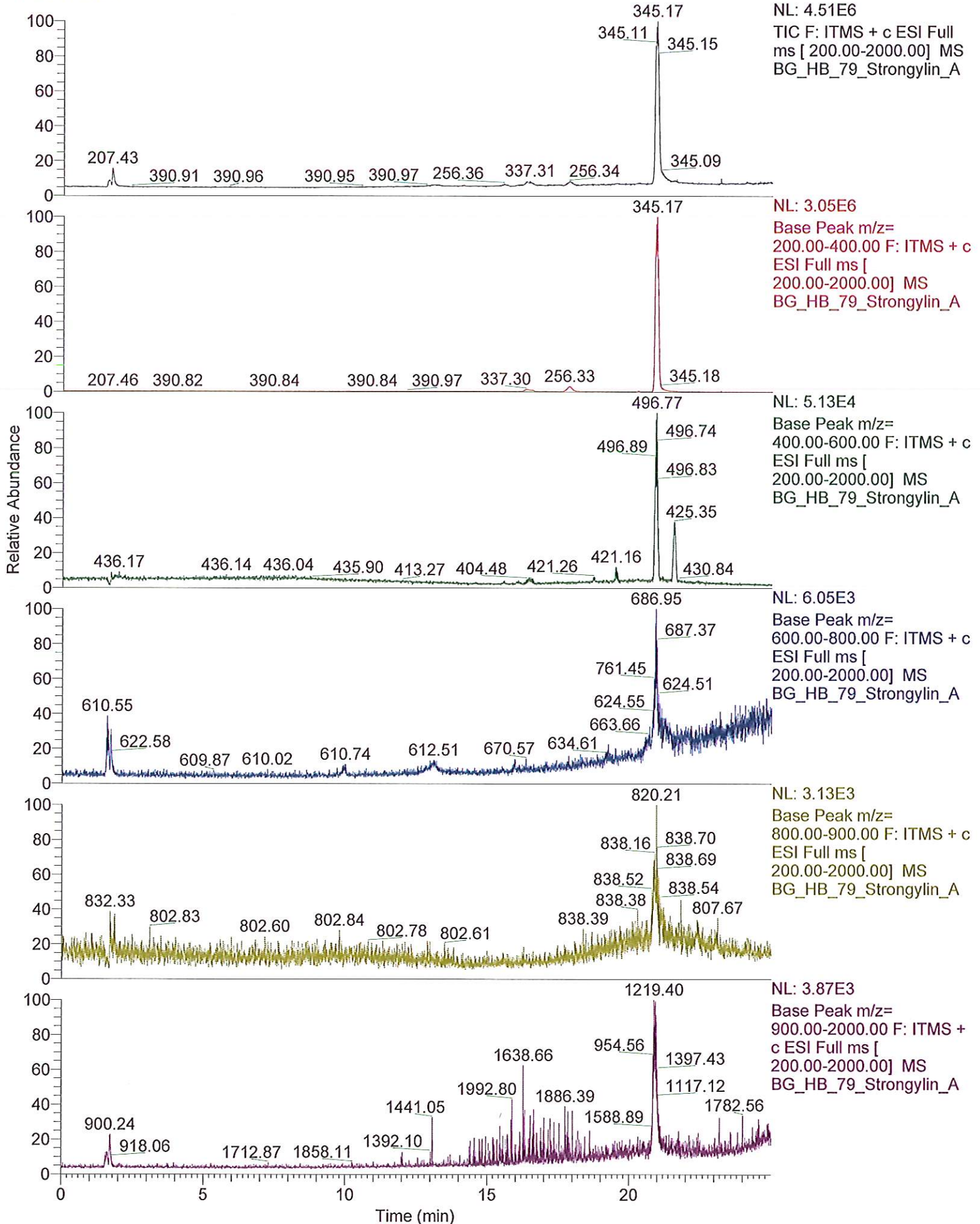
Column Type: Vydac C18

Pump A Solvent A: H2O/5% ACN

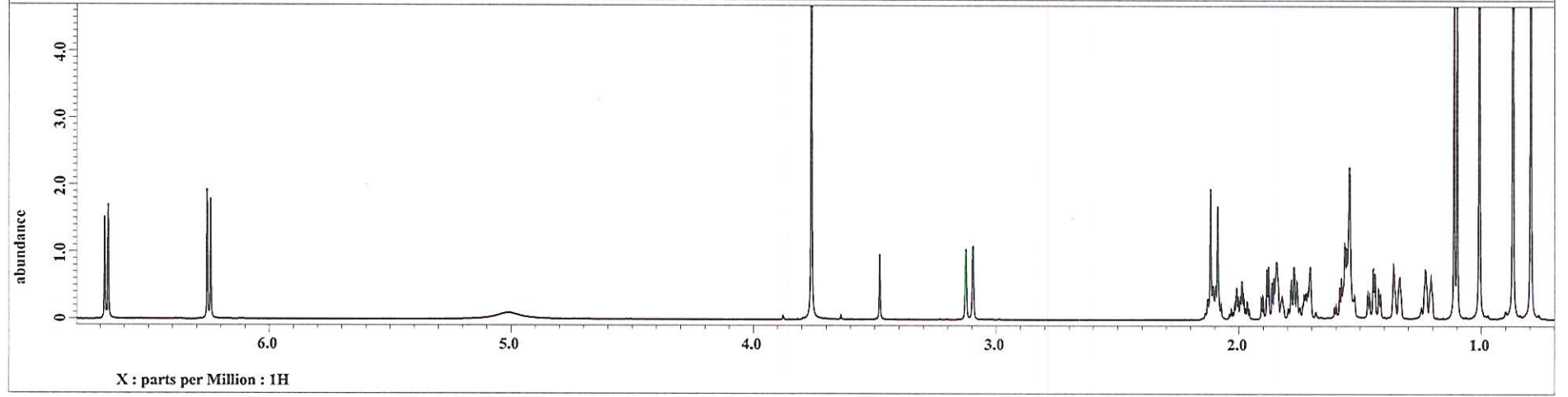
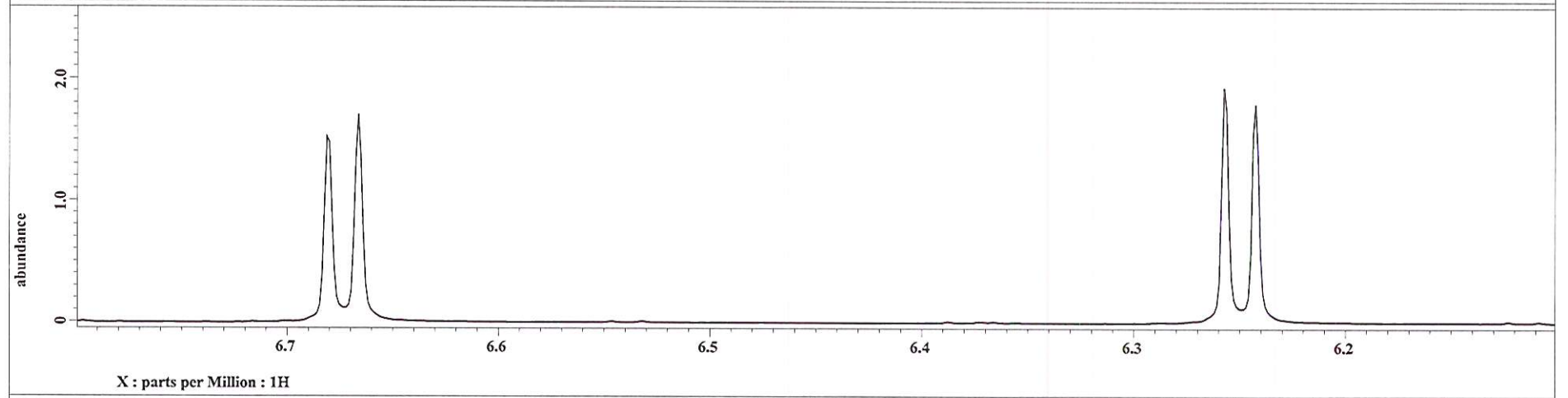
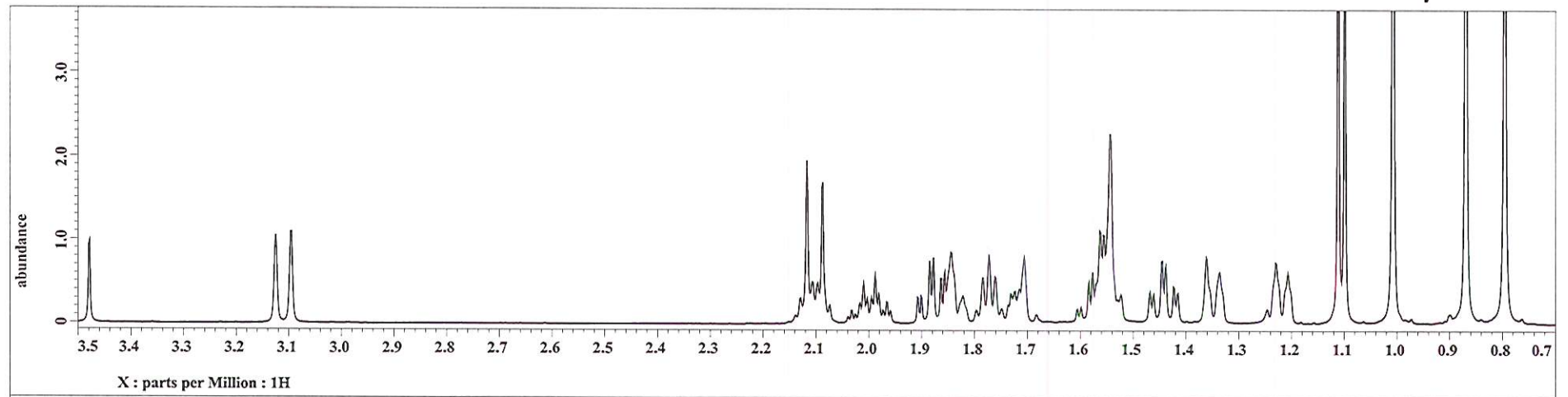
Pump A Solvent B: ACN

Method Description:

RT: 0.00 - 24.99



14379



HB79

