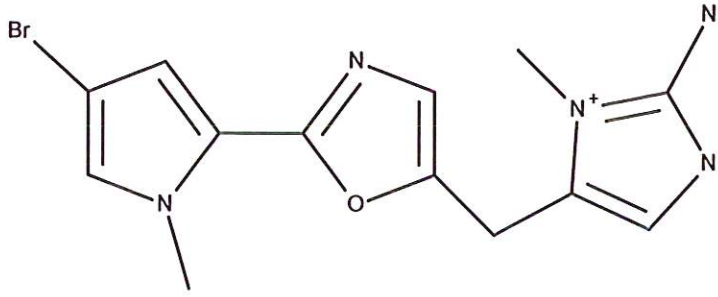


HBOI-365	
BROMO-OXAZOLE	
$C_{13}H_{15}BrN_5O^+$	336.05
Axinellida	
Manuscript in prep	

isolation scheme (Visio) attached

hplc method (trace attached)

Method: Vydac C18 Protein and Peptide, 4.6 x 250mm, 10 μ
 flow 1 ml/min, detection: PDA: UV (extracted at 220 nm, black); ELSD (green dotted)
 A: H₂O:CH₃CN (95:5, v/v, 0.1% TFA), B: CH₃CN (0.1% TFA)
 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: H₂O (0.1% formic acid), B: CH₃CN (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 min A:B(90:10, v/v)
 using a linear gradient

¹H (600 MHz) CDCl₃ CD₃OD (Methanol-d₄) CDCl₃/CD₃OD

¹³C (150 MHz) CDCl₃ CD₃OD (Methanol-d₄) CDCl₃/CD₃OD

solubility CHCl₃/MeOH (9:1) MeOH DMSO

estimated purity >90%

sample weight 17.0 mg

For further information contact:

Amy E. Wright, PhD, HBOI@FAU, 5600 US 1, North, Fort Pierce, FL 34946
awrigh33@hboi.fau.edu, 772-242-2459

Date: _____

6-VI-93-1-004
 Taxonomy: Axinellida
 166g
 ASE Dionex extraction
 3 steps, 100°C

RUSF2-1-1
 Heptane extract
 1.36g

RUSF2-1-2
 EtOAc:EtOH+ EtOH
 9:1
 4.64g

RUSF2-1-3
 MeOH:H2O
 5:1
 9.66 g

600 mg run on 30 g RP C18 Rf Gold
 Column
 Combi-Flash system

RUSF2-1- weight mg tubes	4 444.5 5-12	5 6.9 13-17	6 25.1 18-22	7 21.1 23-34	8 9.4 35-70	9 29.2 71-74	10 11.5 79-87	11 10.2 WASH
--------------------------------	--------------------	-------------------	--------------------	--------------------	-------------------	--------------------	---------------------	--------------------

RUSF2-1-4
 70 mg
 LCMS Purification using a C-18
 Vydac precolumn with flow rate 15 mL/min
 (A)H2O/ACN(95/5)0.1%TFA:(B)ACN(0.1%TFA)
 t=0, A:B (90:10, t=20, A:B (70:30), t=21(100% B),0,t=25(100% B)

RUSF2-3- weight mg peak	1 17.9 1	2 3.1 2	3 15.5 3	4 6.5 4	5 6.4 5	6 8.7 6	7 12.7 7
-------------------------------	----------------	---------------	----------------	---------------	---------------	---------------	----------------

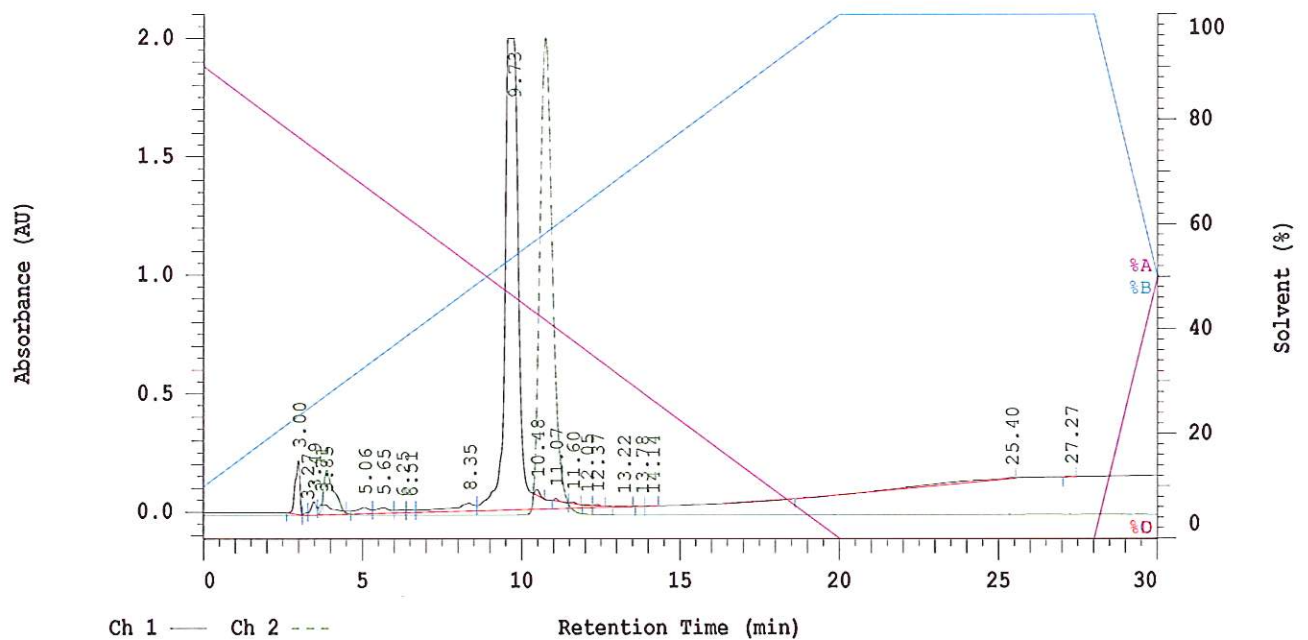
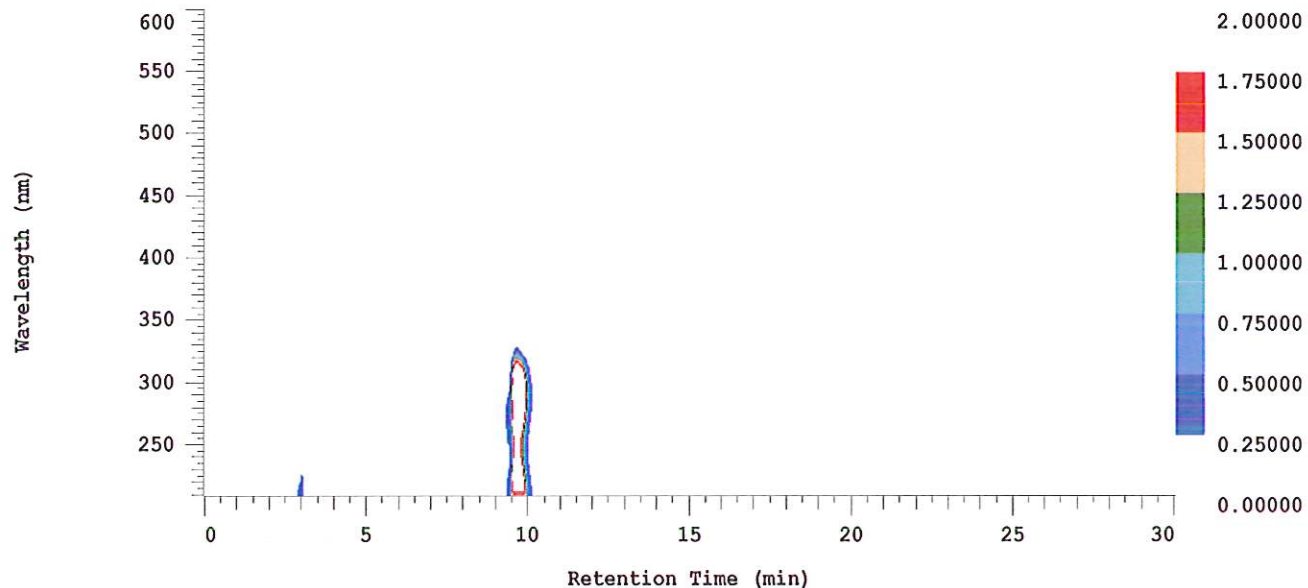
D-2000 Elite HPLC System Manager Report

Analyzed: 07/08/2013 11:18 AM

Reported: 07/09/2013 08:53 AM

Sample Name: HBOI.365

Sample Description: HBOI.365



Acquisition Method: autosampler_30min_wELSD

Column Type: Vydac C18

Pump A Solvent A: H2O/5% ACN

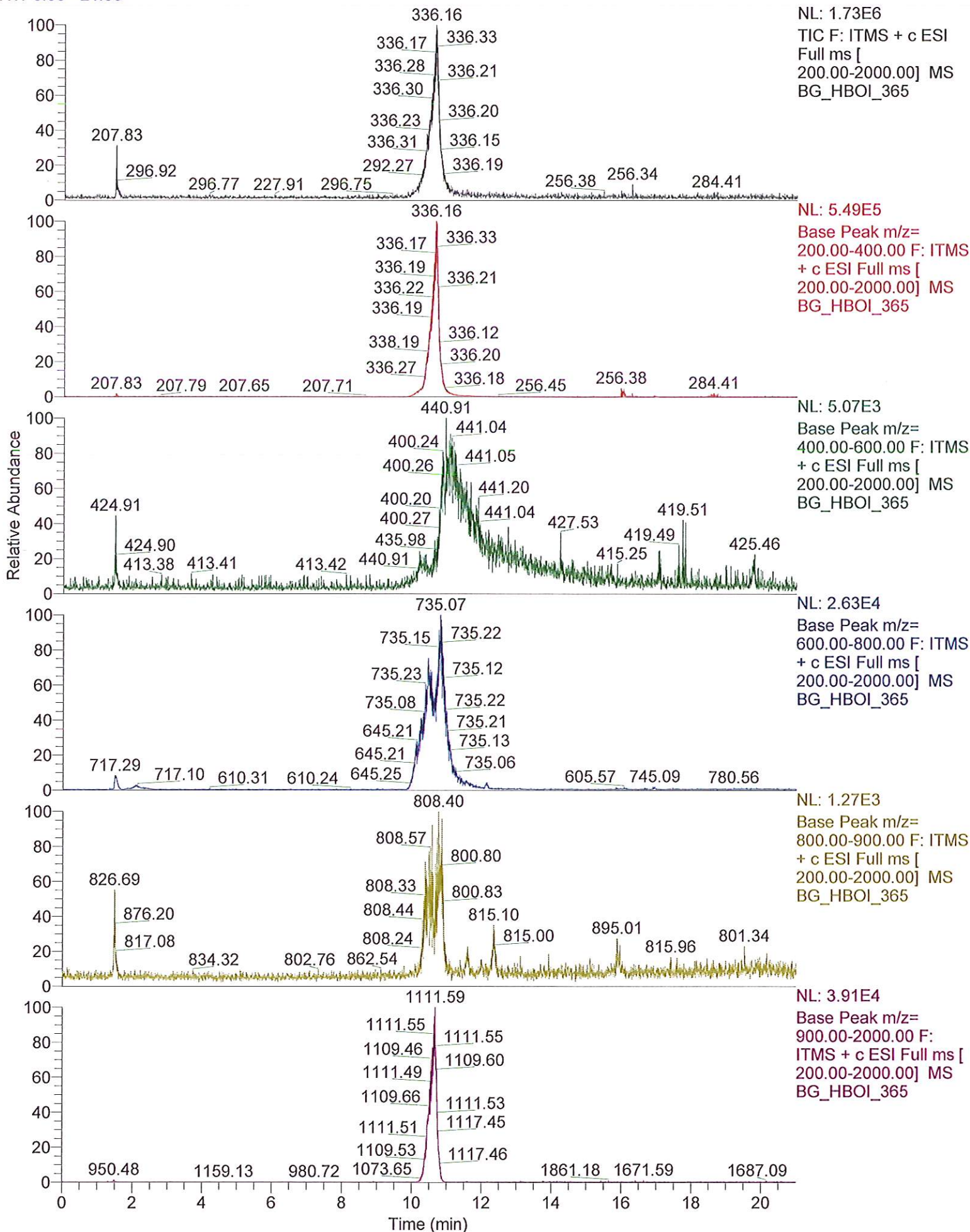
Pump A Solvent B: ACN

Pump A Solvent C:

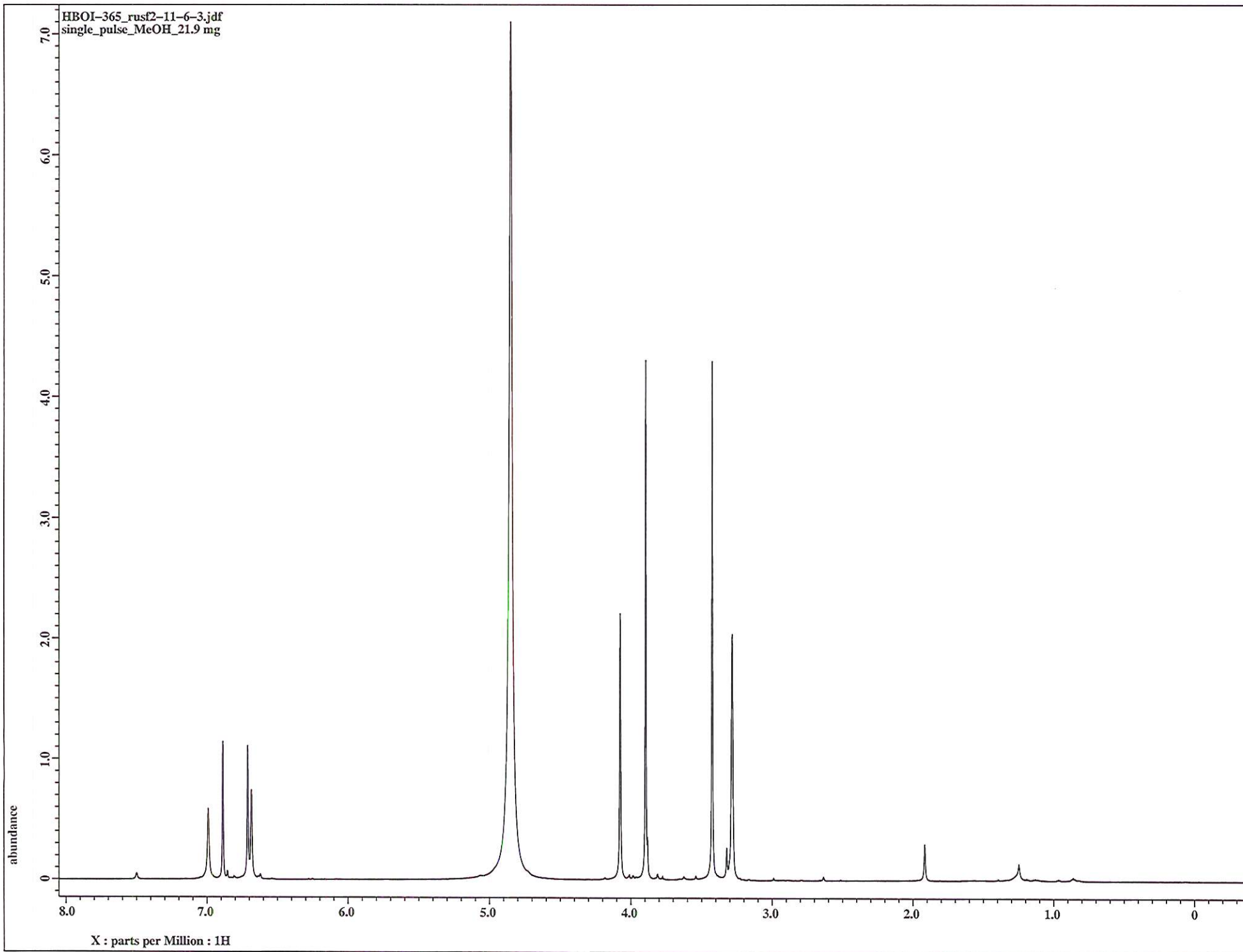
Pump A Solvent D:

Method Description:

RT: 0.00 - 21.00



HBOI-365_rusf2-11-6-3.jdf
single_pulse_MeOH_21.9 mg



HBOI-365_rusf2-11-6-3.jdf
single pulse decoupled gated NOE_mcOH_21.9 mg

