

**Katchem I.t.d.**

Chromatogram Info:

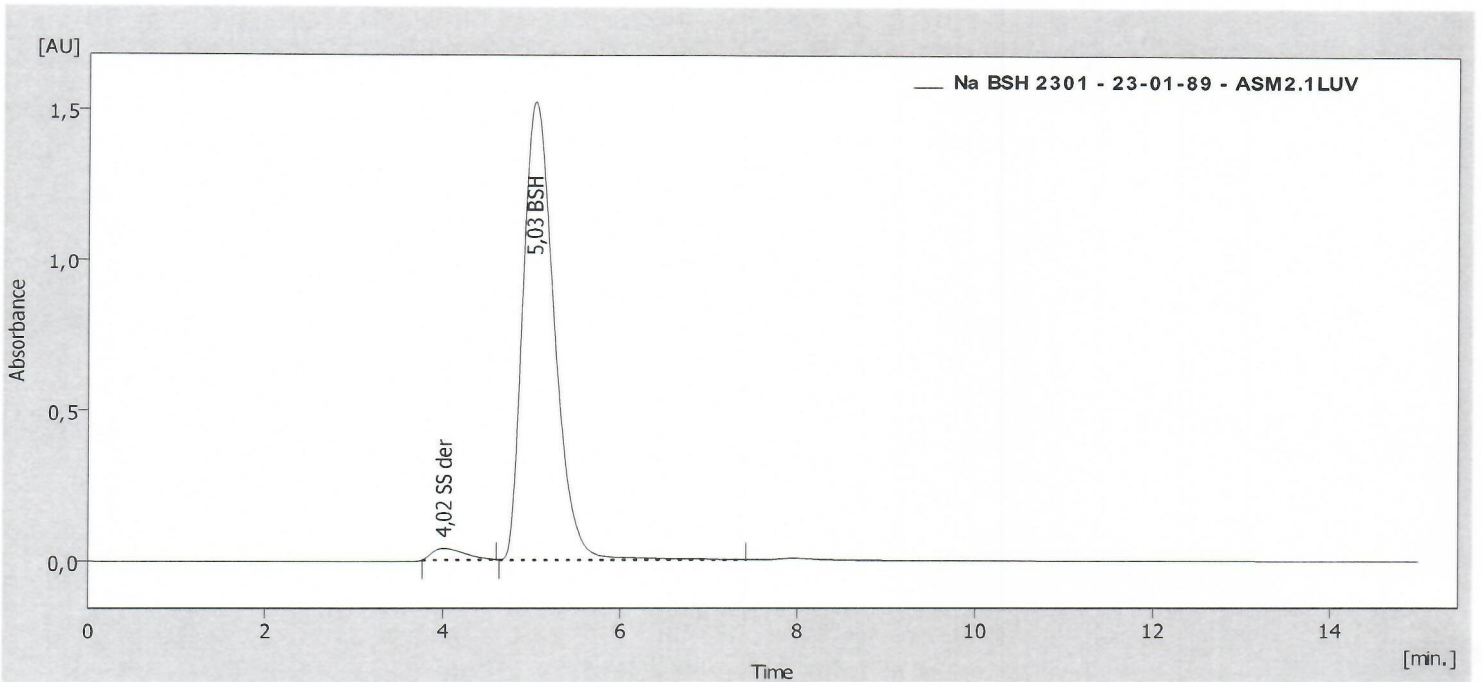
File Name : C:\Clarity\Work1\DATA\Na BSH 2301 - 23-01-89.PRM File Created : 20.1.2023 12:26:13  
 Origin : Acquired, Acquisition started 20.1.2023 12:11:12 Acquired Date : 20.1.2023 12:26:13  
 Project : C:\Clarity\Projects\Work1.PRJ By : zd

Sample Info:

Sample ID : Na BSH 2301 Amount [mg] : 0  
 Sample : Na BSH 2301 ISTD Amount : 0  
 Inj. Volume [mL] : 0 Dilution : 1

Column : ASTRA C18 - HE Detection : UV 204 nm  
 Mobile Phase : 0,05M NaClO4; 0,01M Na2HPO4; 15%MeCN Temperature :  
 Flow Rate : 0,5ml/min Pressure :  
 Note :

Autostop : 15,00 min External Start : Start - Restart, Down  
 Detector 1 : ASM2.1LUV Range 1 : Bipolar, 10000 mAU, 1 Samp. per Sec.  
 Subtraction Chromatogram : (None) Matching : No Change



Result Table (ESTD - Na BSH 2301 - 23-01-89 - ASM2.1LUV)

	Reten. Time [min]	Response	Amount [mg]	Amount [%]	Peak Type	Compound Name
1	4,017	968,908	0,403	0,7	Ordnr	SS der
2	5,033	37002,324	59,454	99,3	Ordnr	BSH
	Total		59,856	100,0		

X : parts per Million : Boron10

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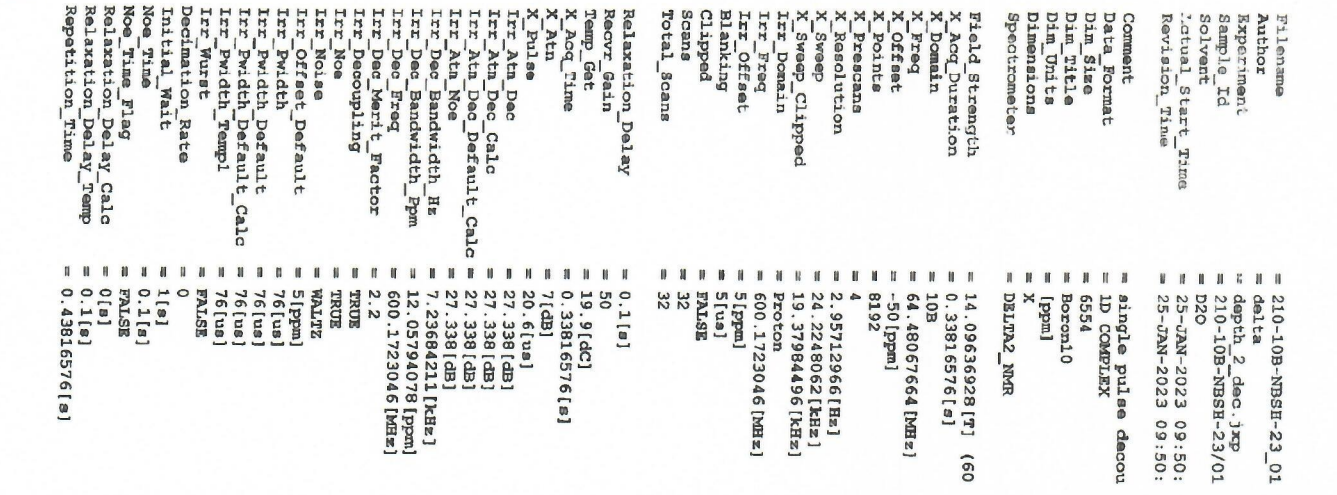
File Name      = 210-10B-NBSH-23_01
Author         =
Experiment     =
Sample_Id     = 210-10B-NBSH-23/01
Solvent       = D2O
Actual Start Time = 25-JAN-2023 09:50:
Revision Time  = 25-JAN-2023 09:50:

Comment
Data Format    = single pulse decou
Dim Size      = 1D COMPLEX
Dim Title     =
Dim Units     = [ppm]
Dimensions    = X
Spectrometer  = DELTA2_NMR

Field Strength = 14.09636928 [T] (60
X_Acq_Duration = 0.33816576 [s]
X_Domain       = 10B
X_Freq         = 64.48067664 [MHz]
X_Offset       = -50 [ppm]
X_Points       = 8192
X_Prescans     = 4
X_Resolution   = 2.95712966 [Hz]
X_Sweep        = 24.2248062 [kHz]
X_Sweep_Clipped = 19.37984496 [kHz]
Irr_Domain     = Proton
Irr_Freq       = 600.1723046 [MHz]
Irr_Offset     = 5 [ppm]
Blanking       = TRUE
Clipped        = FALSE
Scans          = 32
Total_Scans    = 32

Relaxation_Delay = 0.1 [s]
Recvr_Gain       = 50
Temp_Get         = 19.9 [dc]
X_Acq_Time       = 0.33816576 [s]
X_Atn            = 7 [dB]
X_Pulse         = 20.6 [us]
Irr_Atn_Dec     = 27.338 [dB]
Irr_Atn_Dec_Calc = 27.338 [dB]
Irr_Atn_Dec_Default_Calc = 27.338 [dB]
Irr_Atn_Noise  = 27.338 [dB]
Irr_Dec_Bandwidth_Hz = 7.2368421 [kHz]
Irr_Dec_Bandwidth_Ppm = 12.05794078 [ppm]
Irr_Dec_Freq    = 600.1723046 [MHz]
Irr_Dec_Merit_Factor = 2.2
Irr_Decoupling = TRUE
Irr_Noise       = TRUE
Irr_Offset_Default = VALTZ
Irr_Offset       = 5 [ppm]
Irr_Pwldth       = 76 [us]
Irr_Pwldth_Default = 76 [us]
Irr_Pwldth_Default_Calc = 76 [us]
Irr_Pwldth_Temp1 = 76 [us]
Irr_Wurst        = FALSE
Declination_Rate = 0
Initial_Wait     = 1 [s]
Noe_Time         = 0.1 [s]
Noe_Time_Flag    = FALSE
Relaxation_Delay_Calc = 0 [s]
Relaxation_Delay_Temp = 0.1 [s]
Repetition_Time  = 0.43816576 [s]

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-12.486  
 -16.476  
 -17.118  
 -18.585  
 -19.273  
 -22.117  
 -22.759

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TitleName = 210-10B-NBSH-23_01_de
Author = delta
Experiment = depth_2_jxp
Sample_Id = 210-10B-NBSH-23/01
Solvent = D2O
Actual_Start_Time = 25-JAN-2023 09:50:38
Revision_Yinc = 25-JAN-2023 09:51:16

Comment = single_pulse
Data_Format = ID COMPLEX
Dim_Size = 6554
Dim_Title = Boron10
Dim_Units = [ppm]
Dimensions = X
Spectrometer = DELTA2_NMR

Field_Strength = 14.09636928 [T] (6001M)
Acq_Duration = 0.33816576 [s]
X_Domain = 10B
X_Freq = 64.48067664 [MHz]
X_Offset = -50 [ppm]
X_Points = 8192
X_Prescans = 4
X_Resolution = 2.95712966 [Hz]
X_Sweep = 24.2248062 [kHz]
X_Sweep_Clipped = 19.37984496 [kHz]
Irr_Domain = Boron10
Irr_Freq = 64.48067664 [MHz]
Irr_Offset = 5 [ppm]
Irr_Domain = Boron10
Tri_Domain = Boron10
Tri_Freq = 64.48067664 [MHz]
Tri_Offset = 5 [ppm]
Blanking = 5 [us]
Clipped = FALSE
Scans = 32
Total_Scans = 32

Relaxation_Delay = 0.1 [s]
Recvr_Gain = 50
Temp_Get = 19.9 [dC]
X_Acq_Time = 0.33816576 [s]
X_Atn = 7 [dB]
X_Pulse = 20.6 [ue]
Irr_Mode = Off
Tri_Mode = Off
Dante_Loop = 10
Dante_Present = FALSE
Declination_Rate = 0
Initial_Wait = 1 [s]
Preset_Time = 0.1 [s]
Preset_Time_Flag = FALSE
Relaxation_Delay_Calc = 0 [s]
Relaxation_Delay_Temp = 0.1 [s]
Repetition_Time = 0.43816576 [s]
  
```



4.664

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Filename = 210-10B-NBSH-23_01
Author =
Experiment = proton_dec.jxp
Sample_Id = 210-10B-NBSH-23/01
Solvent = D2O
Actual_Start_Time = 25-JAN-2023 09:51:
Revision_Time = 25-JAN-2023 09:51:

Comment = single pulse decou
Data_Format = ID COMPLEX
Dim_Size = 13107
Dim_Title =
Dim_Units = [ppm]
Dimensions = X
Spectrometer = DELTA2_NMR

Field_Strength = 14.09636928[T] (50
X_Acq_Duration = 1.3631488[s]
X_Domain = 1H
X_Freq = 600.1723046[MHz]
X_Offset = 41[ppm]
X_Points = 16384
X_Prescans = 0
X_Resolution = 0.733595631[Hz]
X_Sweep = 12.01923077[KHz]
X_Sweep_Clipped = 9.61538462[KHz]
Irr_Domain = Boron10
Irr_Freq = 64.48067664[MHz]
Irr_Offset = -18[ppm]
Blanking = 2[us]
Clipped =
Scans = 32
Total_Scans = 32

Relaxation_Delay = 1[s]
Recvr_Gain = 36
Temp_Get = 20.7[dc]
X_90_Width = 6.08[us]
X_Acq_Time = 1.3631488[s]
X_Angle = 90[deg]
X_Atn = 5.4[db]
X_Pulse = 6.09[us]
Irr_Atn_Dec = 20.66[db]
Irr_Atn_Dec_Calc = 20.66[db]
Irr_Atn_Dec_Default_Calc = 20.66[db]
Irr_Dec_Bandwidth_Hz = 12.01[Hz]
Irr_Dec_Bandwidth_Ppm = 186.10226545[ppm]
Irr_Dec_Merit_Factor = 64.48067664[MHz]
Irr_Decoupling = 4.8
Irr_Noise = TRUE
Irr_Noise = FALSE
Irr_Offset_Default = GARP
Irr_Offset = 0[ppm]
Irr_Pulldh = 0.11[ms]
Irr_Pulldh_Default = 0.11[ms]
Irr_Pulldh_Default_Calc = 0.11[ms]
Irr_Pulldh_Templ = 0.11[ms]
Irr_Wurst = FALSE
Decoupling_Rate = 0
Initial_Wait = 0
Noe_Time = 1[s]
Noe_Time_Flag = FALSE
Relaxation_Delay_Calc = (0, 90, 270, 180,
Relaxation_Delay_Temp = 1[s]
Repetition_Time = 2.3631488[s]

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4.664

1.522  
1.316  
1.114  
0.912

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Filename = 210-10B-NBSH-23_01
Author = delta
Experiment = proton_dec.jxp
Sample_Id = 210-10B-NBSH-23/01
Solvent = D2O
Actual_Start_Time = 25-JAN-2023 09:52:
Revision_Time = 25-JAN-2023 09:52:

Comment = single pulse decou
Data_Format = 1D COMPLEX
Dim_Size = 13107
Dim_Title = Proton
Dim_Units = [ppm]
Dimensions = X
Spectrometer = DELTA2 NMR

Field_Strength = 14.09636928[T] (60
X_Acq_Duration = 1.3631488[s]
X_Domain = 1H
X_Freq = 600.1723046[MHz]
X_Offset = 4[ppm]
X_Points = 16384
X_Prescans = 0
X_Resolution = 0.733595631[Hz]
X_Sweep = 12.01923077[kHz]
X_Sweep_Clippped = 9.61538462[kHz]
Irr_Domain = Boron10
Irr_Freq = 64.48067664[MHz]
Irr_Offset = -18[ppm]
Blanking_Clippped = 2[us]
Scans = FALSE
Total_Scans = 32

Relaxation_Delay = 1[s]
Recvr_Gain = 36
Temp_Get = 20.21[dc]
X_90_Width = 6.08[us]
X_Acq_Time = 1.3631488[s]
X_Angle = 90[deg]
X_Atn = 5.4[db]
X_Pulse = 6.08[us]
Irr_Atn_Dec_Default_Calc = 79[db]
Irr_Dec_Freq = 64.48067664[MHz]
Irr_Dec_Merit_Factor = 4.8
Irr_Decoupling = FALSE
Irr_Noise = FALSE
Irr_Offset_Default = 0[ppm]
Irr_Width_Default = 1[us]
Irr_Width_Default_Calc = 1[us]
Decimation_Rate = 0
Initial_Wait = 1[s]
Noe_Time = 1[s]
Noe_Time_Flag = FALSE
Phase = [0, 90, 270, 180,
Relaxation_Delay_Calc = 0[s]
Relaxation_Delay_Temp = 1[s]
Repetition_Time = 2.3631488[s]

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