

Name:	N-Acetyl Tizanidine-D4
Lot#:	GR-9-211
Test Date:	02/10/2023 (re-test date: 02/10/2028)
CAS No.:	1276602-33-5
MF:	C ₁₁ H ₆ D ₄ ClN ₅ OS
MW:	299.77
Appearance:	Yellow solid
Purity:	99.1% by HPLC (average of two sample preparations); 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 300.77, 302.77 [M+H] ⁺ exhibits the expected isotope pattern for mono-chloro compounds)
Storage	Store at -18°C in a dry place away from direct sunlight

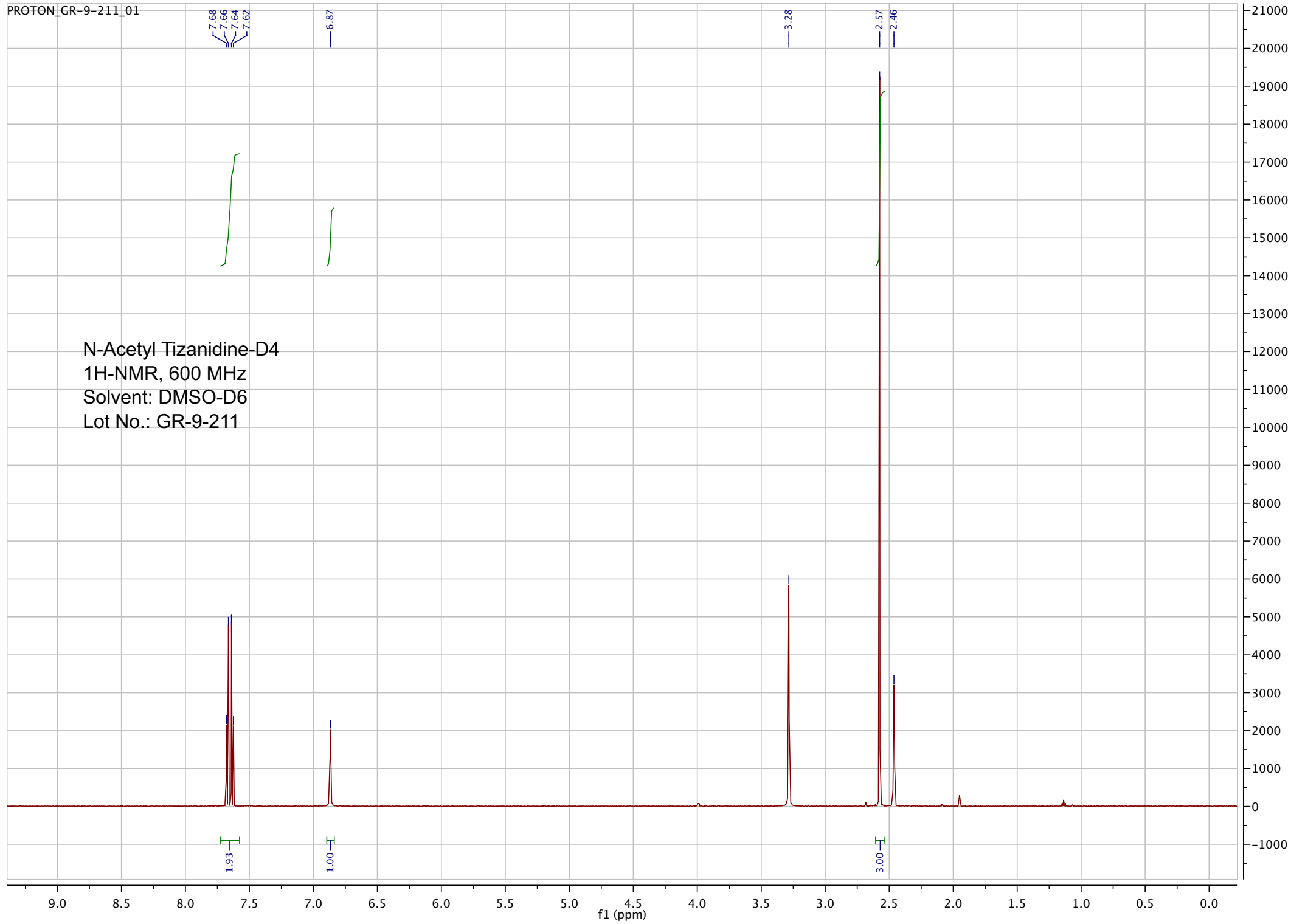
Approved by:

Date: 02/10/2023



Viorica Rusu, QC/QA Manager

N-Acetyl Tizanidine-D4
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-211

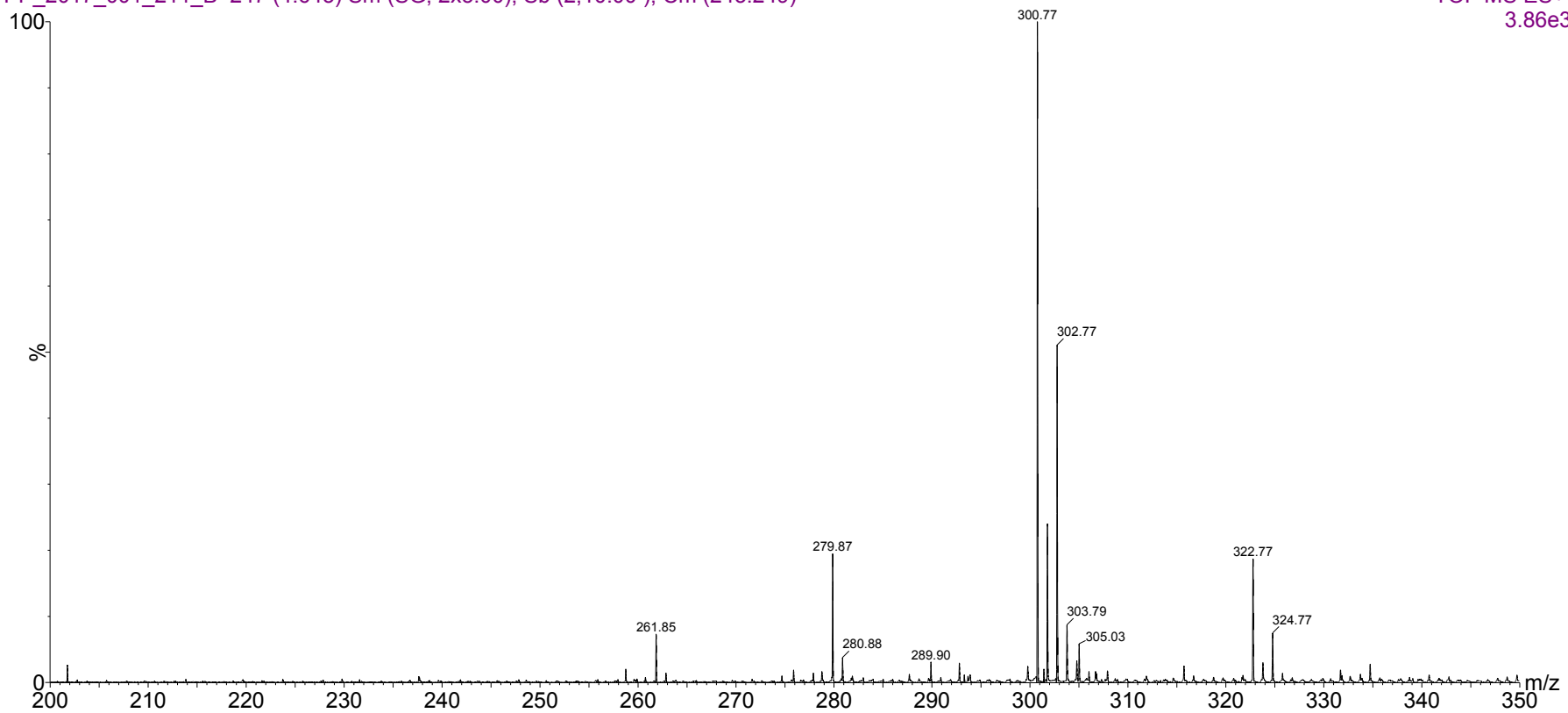


17:50:01, 06-Jan-2017

TOF MS ES+

3.86e3

PP_2017_001_211_B 247 (4.645) Sm (SG, 2x5.00); Sb (2,10.00); Cm (243:249)

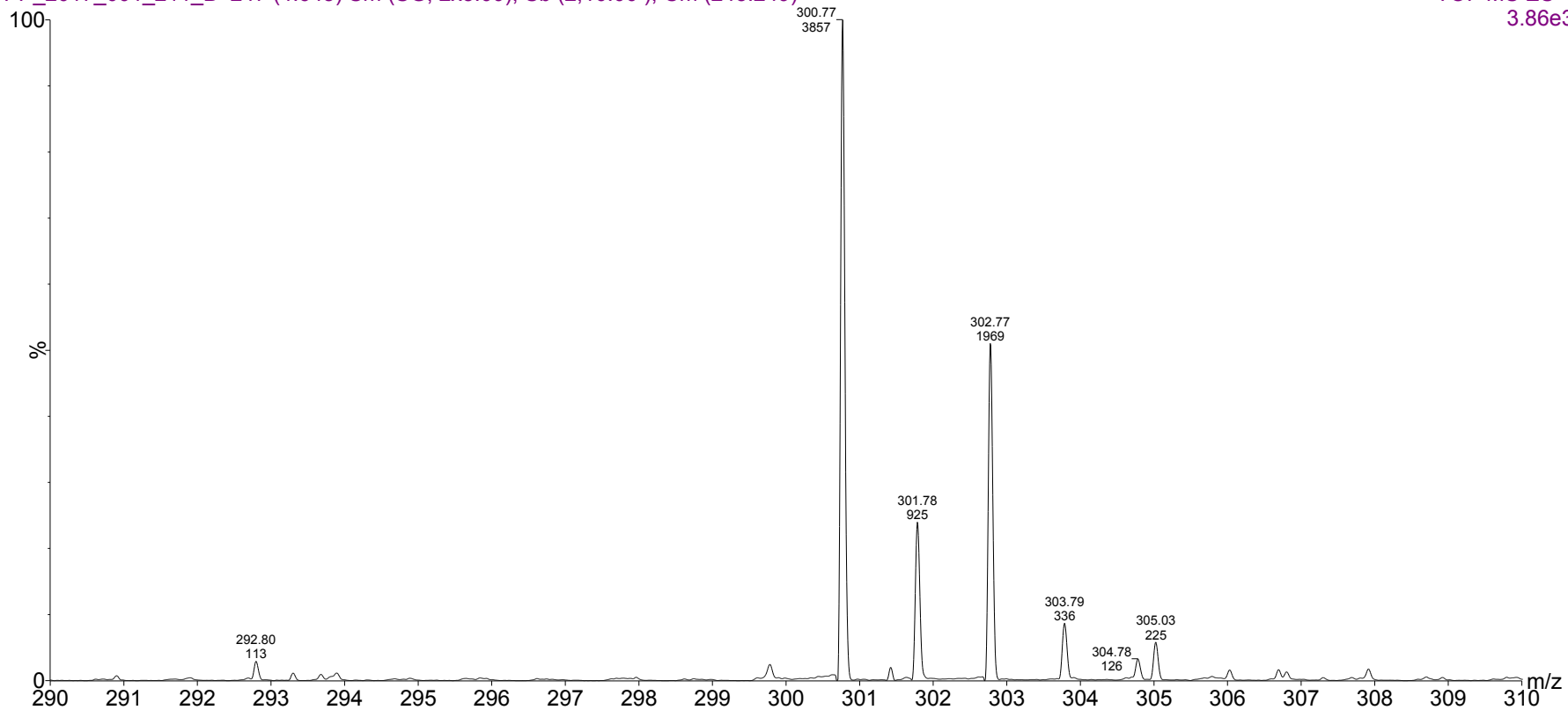


Raw ESI-MS spectrum for sample GR-9-211. Shows monoisotopic $[M+H]^+$ mass

17:50:01, 06-Jan-2017

TOF MS ES+
3.86e3

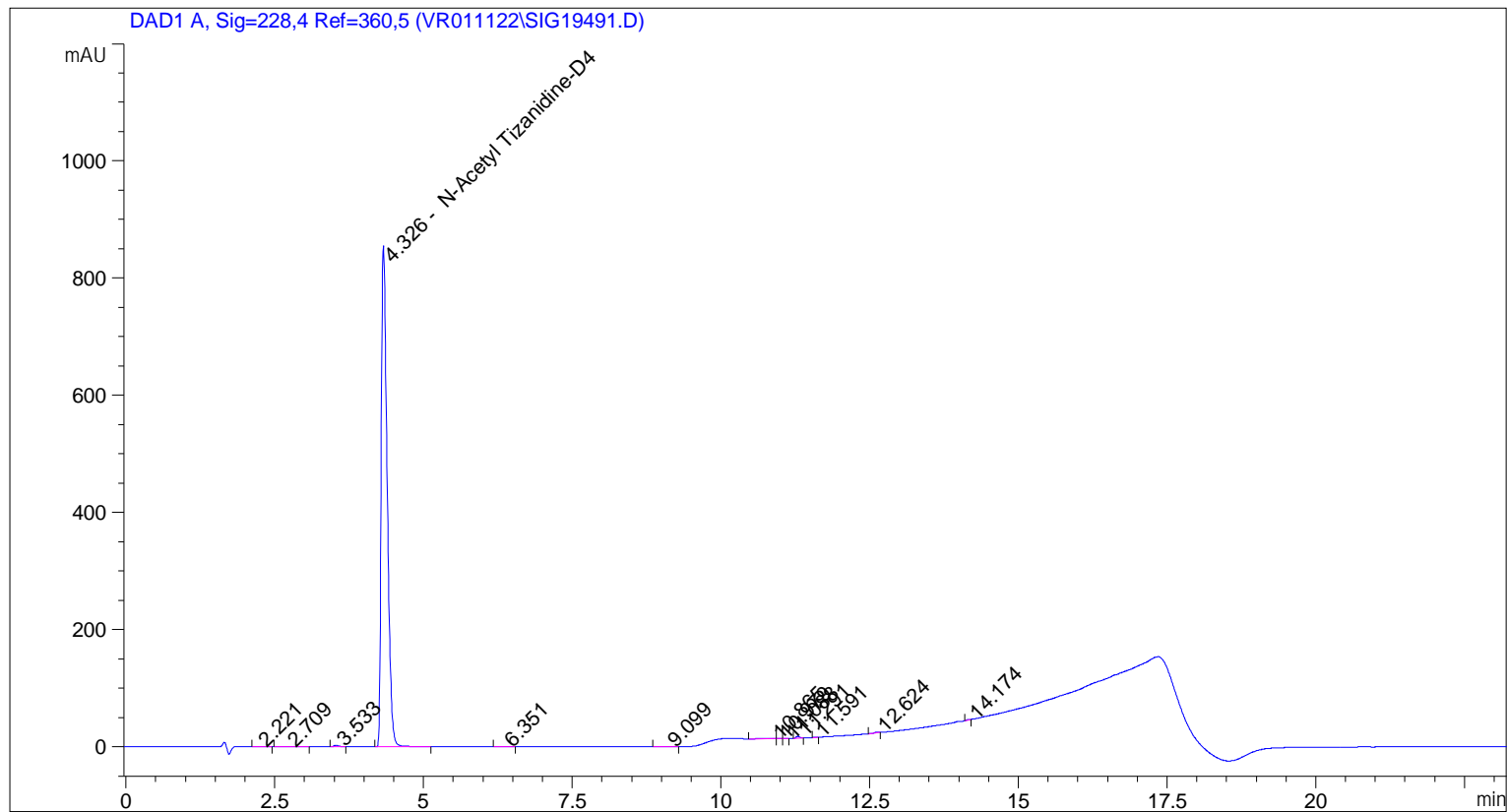
PP_2017_001_211_B 247 (4.645) Sm (SG, 2x5.00); Sb (2,10.00); Cm (243:249)



Expansion of above with intensity labels

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 94
Injection Date  : 2/10/2022 10:22:02 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR021022_211.M
Last changed    : 2/10/2022 10:20:46 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021022_211PM.M
Last changed    : 2/10/2022 12:43:21 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By           :      Signal
Calib. Data Modified :      2/10/2022 12:41:48 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=228,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.221	BB	0.1549	3.44696	0.0577	?
2	2.709	BB	0.2262	5.86783	0.0982	?
3	3.533	BB	0.0832	13.07244	0.2188	?
4	4.326	BB	0.1067	5916.32617	99.0030	N-Acetyl Tizanidine-D4
5	6.351	BB	0.1484	2.24276	0.0375	?
6	9.099	BB	0.1631	5.50070	0.0920	?
7	10.865	BV	0.0943	2.59728	0.0435	?
8	10.979	VV	0.0583	8.52647e-1	0.0143	?

Sample Name: GR-9-211

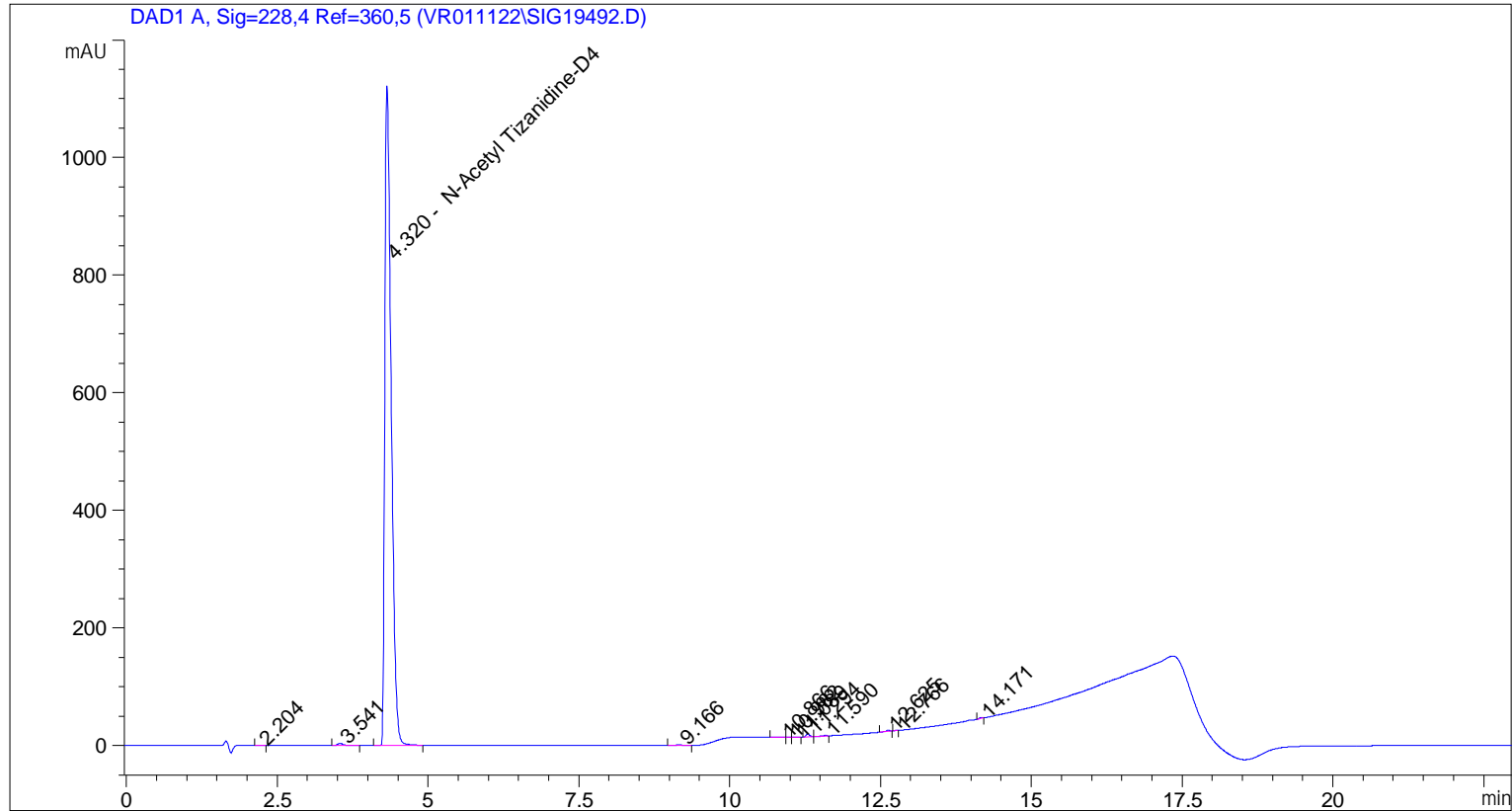
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	11.088	VB	0.0512	6.99586e-1	0.0117	?
10	11.291	BB	0.0606	14.04070	0.2350	?
11	11.591	BB	0.0492	2.29522	0.0384	?
12	12.624	BB	0.0586	6.00191	0.1004	?
13	14.174	BB	0.0597	2.96369	0.0496	?

Totals : 5975.90789

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 95
Injection Date  : 2/10/2022 10:47:27 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR021022_211.M
Last changed    : 2/10/2022 10:45:58 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR021022_211PM.M
Last changed    : 2/10/2022 12:43:21 PM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By       : Signal
Calib. Data Modified : 2/10/2022 12:41:48 PM
Multiplier:     : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=228,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.204	BB	0.0884	1.21765	0.0146	?
2	3.541	BB	0.0848	20.58579	0.2465	?
3	4.320	BB	0.1141	8279.73926	99.1272	N-Acetyl Tizanidine-D4
4	9.166	BB	0.1583	6.32467	0.0757	?
5	10.866	BV	0.0676	2.01441	0.0241	?
6	10.982	VV	0.0479	6.56865e-1	7.864e-3	?
7	11.089	VB	0.0590	1.78029	0.0213	?
8	11.294	BV	0.0598	20.50187	0.2455	?

Sample Name: GR-9-211 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	11.590	VB	0.0560	4.12043	0.0493	?
10	12.625	BB	0.0603	9.38282	0.1123	?
11	12.766	BB	0.0512	1.21901	0.0146	?
12	14.171	BB	0.0560	5.09567	0.0610	?

Totals : 8352.63874

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*** End of Report ***