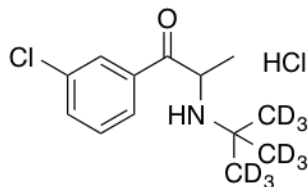


Certificate of Analysis



Name: Bupropion-D9 Hydrochloride

Lot#: GR-17-013

Test Date: 02/08/2022 (re-test date: 02/08/2027)

CAS No.: 1189725-26-5

MF: C₁₃H₁₀D₉Cl₂NO

MW: 285.26

Appearance: White solid

Purity: 99.6% by HPLC (average of two sample preparations); 99.5% atom D

¹H-NMR: Conforms

MS-ESI (+) Conforms (shows peak at m/z = 249.16, 251.16 [M_(free base)+H]⁺, shows expected isotope pattern for mono-chloro compound)

Storage Store at -18°C in a dry place away from direct sunlight

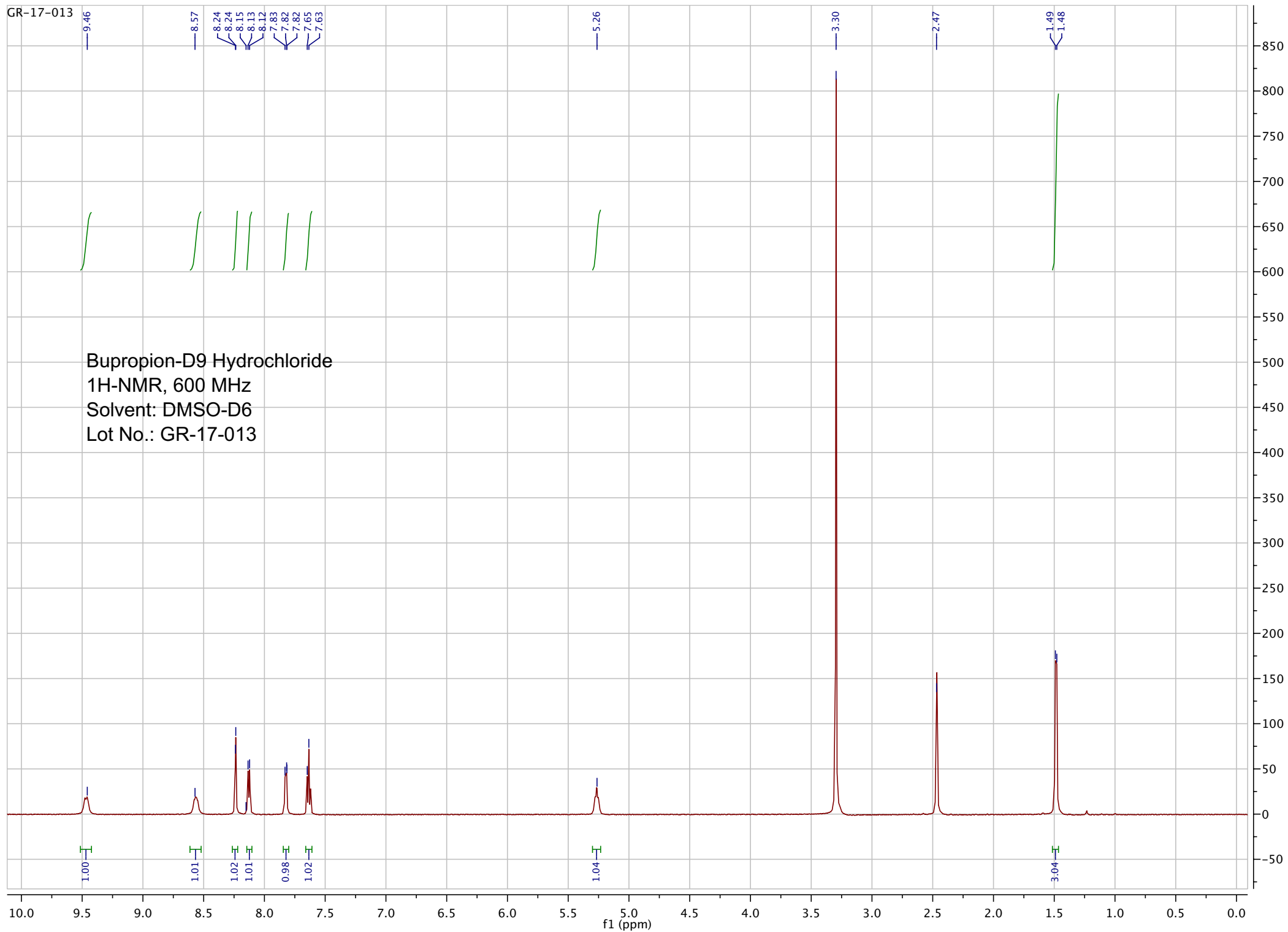
Approved by:

Date: 11/25/2024



Viorica Rusu, QC/QA Manager

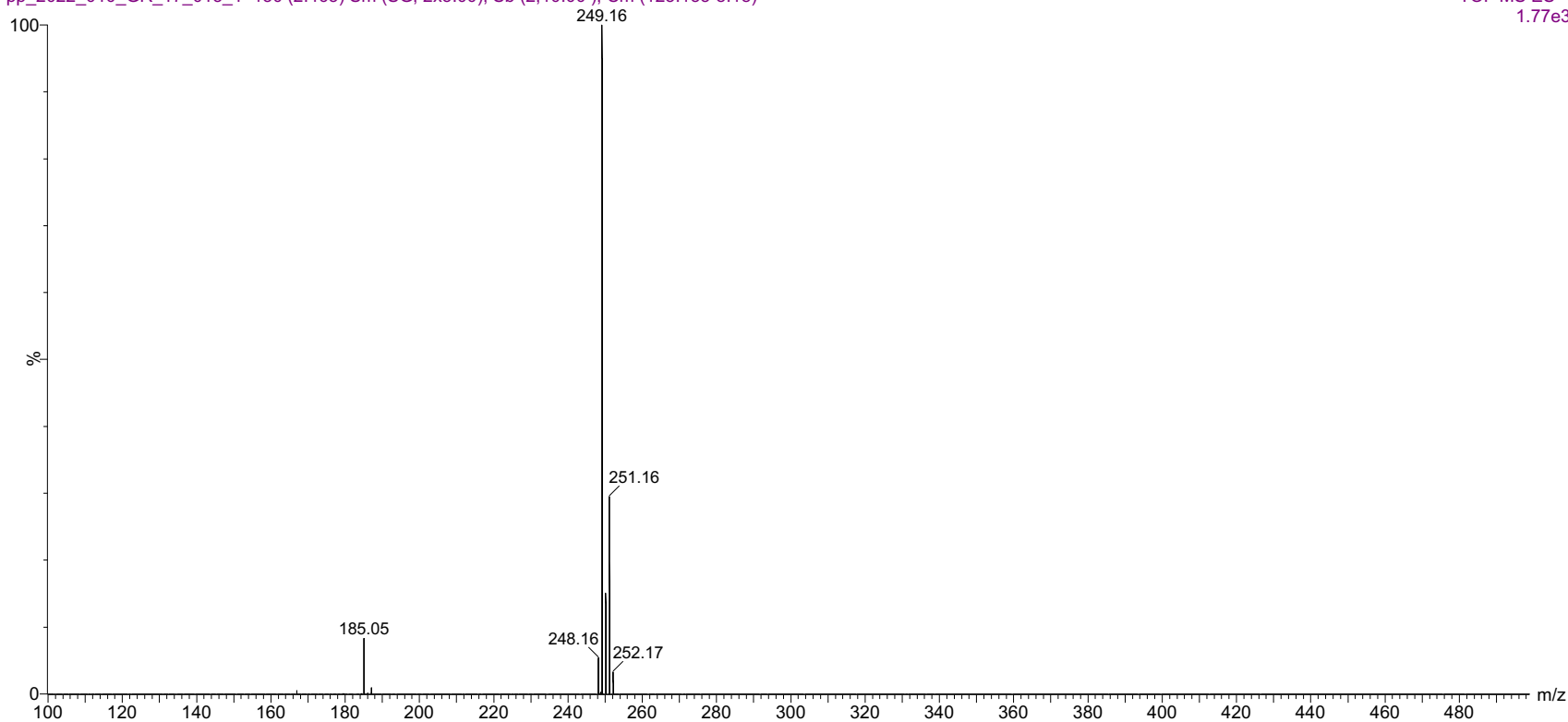
GR-17-013



04-Feb-2022, 16:48:00

TOF MS ES+
1.77e3

pp_2022_010_GR_17_013_1 130 (2.463) Sm (SG, 2x5.00); Sb (2,10.00); Cm (123:133-8:18)



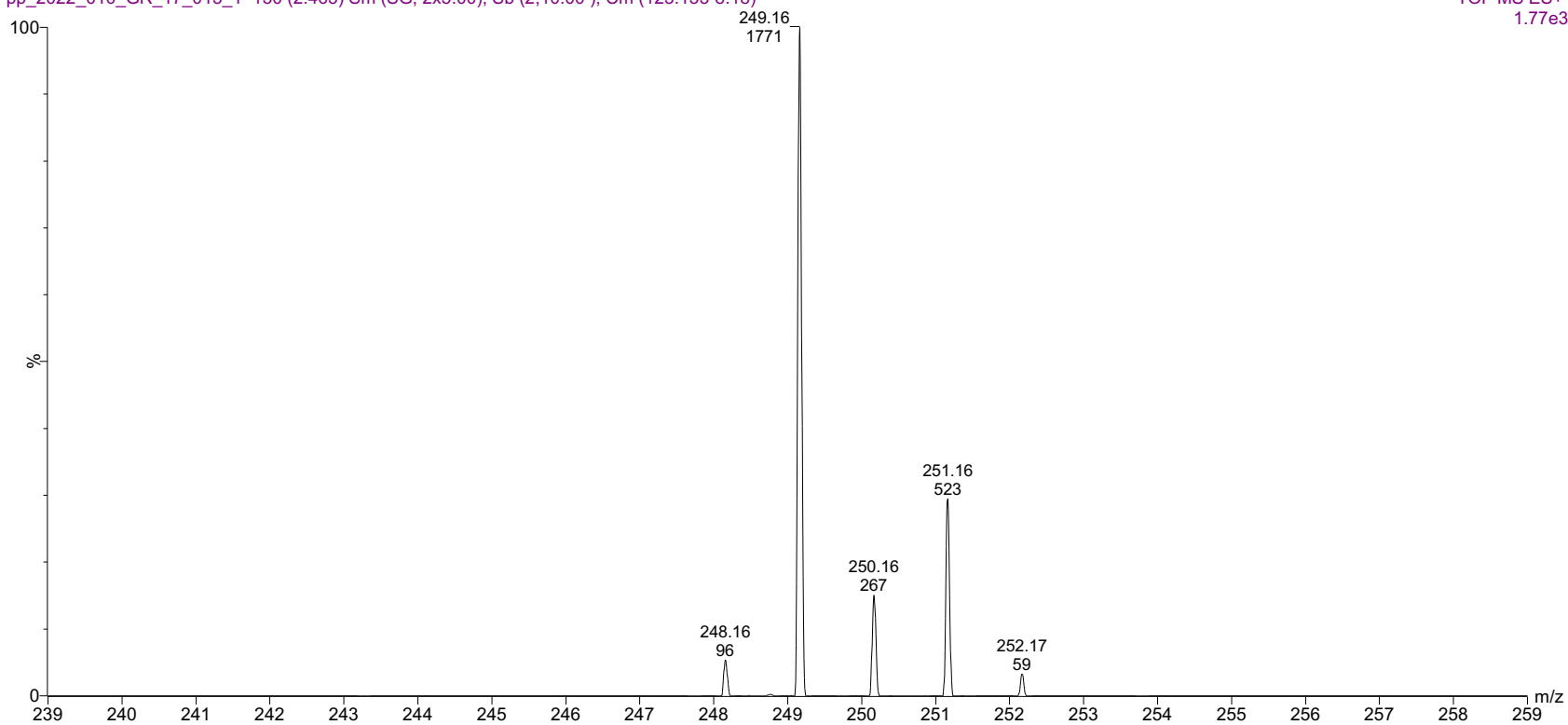
ESI-MS spectrum for sample GR-17-0.13. Shows monoisotopic [M+H]⁺ mass.

04-Feb-2022, 16:48:00

TOF MS ES+

1.77e3

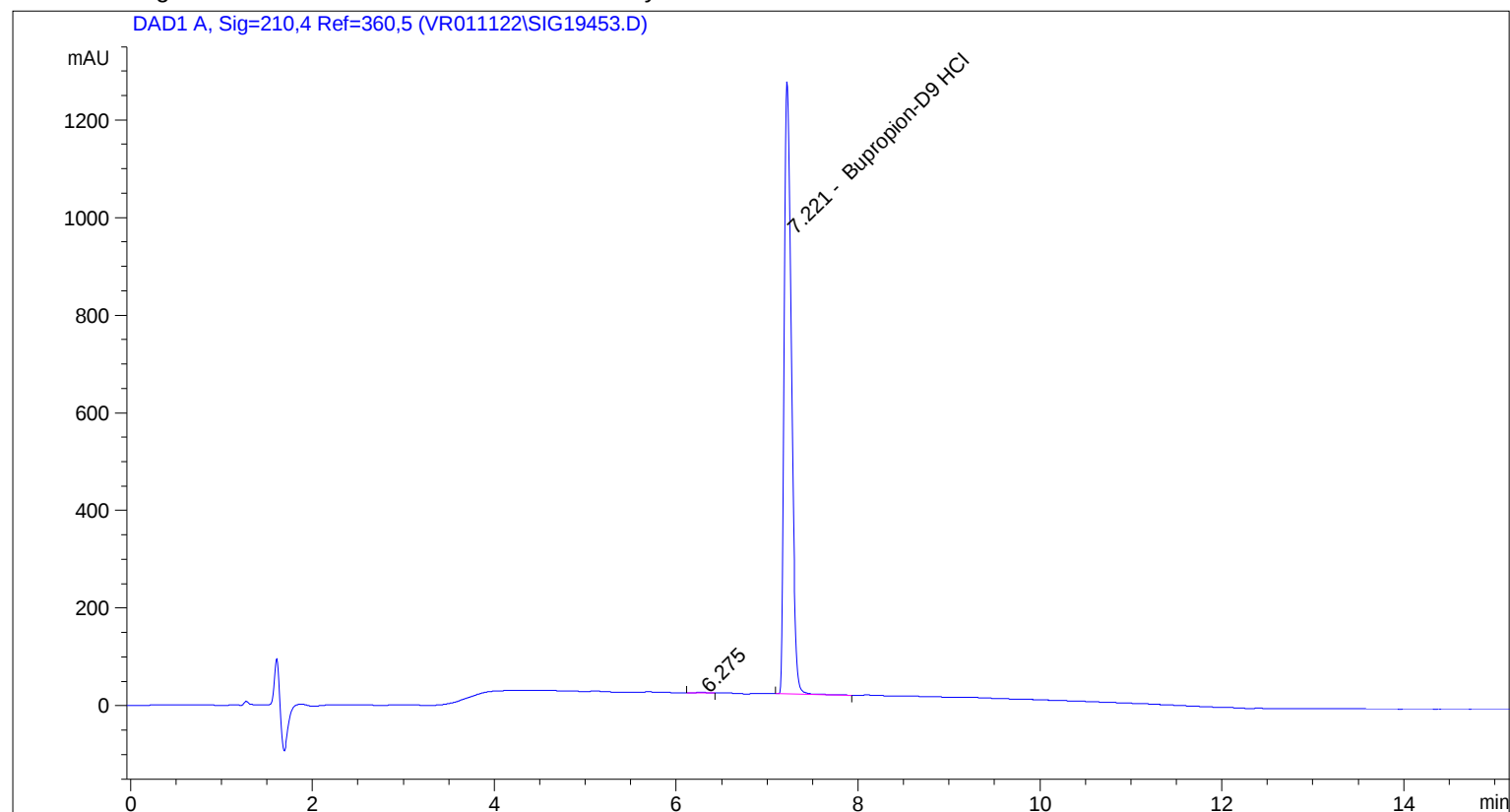
pp_2022_010_GR_17_013_1 130 (2.463) Sm (SG, 2x5.00); Sb (2,10.00); Cm (123:133-8:18)



Expansion of above showing intensity labels.

Sample Name: GR-17-013

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 79
Injection Date  : 2/8/2022 7:55:37 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR020822_013.M
Last changed    : 2/8/2022 7:54:44 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020822_013PM.M
Last changed    : 2/8/2022 10:03:15 AM by vrusu
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      2/8/2022 10:03:08 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=210,4 Ref=360,5

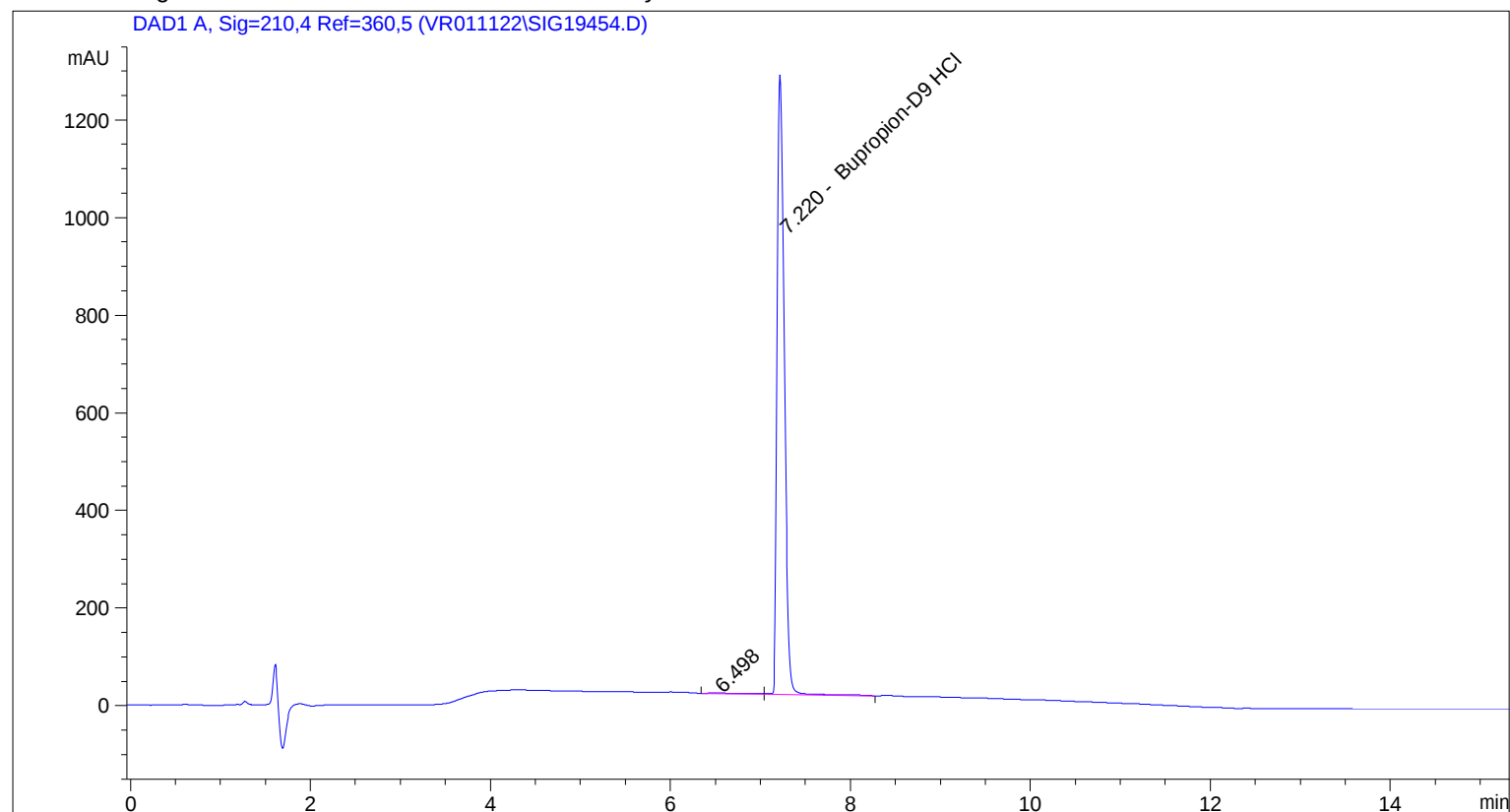
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.275	BB	0.1500	12.15544	0.1785	?
2	7.221	BB	0.0856	6798.79688	99.8215	Bupropion-D9 HCl

Totals : 6810.95231

```
=====
*** End of Report ***
```

Sample Name: GR-17-013 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 80
Injection Date  : 2/8/2022 8:15:53 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR020822_013.M
Last changed    : 2/8/2022 8:15:02 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020822_013PM.M
Last changed    : 2/8/2022 10:03:15 AM by vrusu
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      2/8/2022 10:03:08 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=210,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.498	BV	0.3035	44.98855	0.6410	?
2	7.220	VB	0.0859	6973.59766	99.3590	Bupropion-D9 HCl

Totals : 7018.58621

```
=====
*** End of Report ***
```