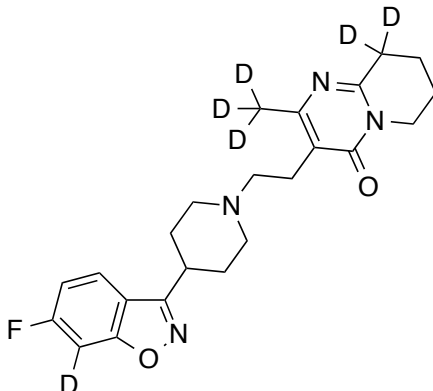




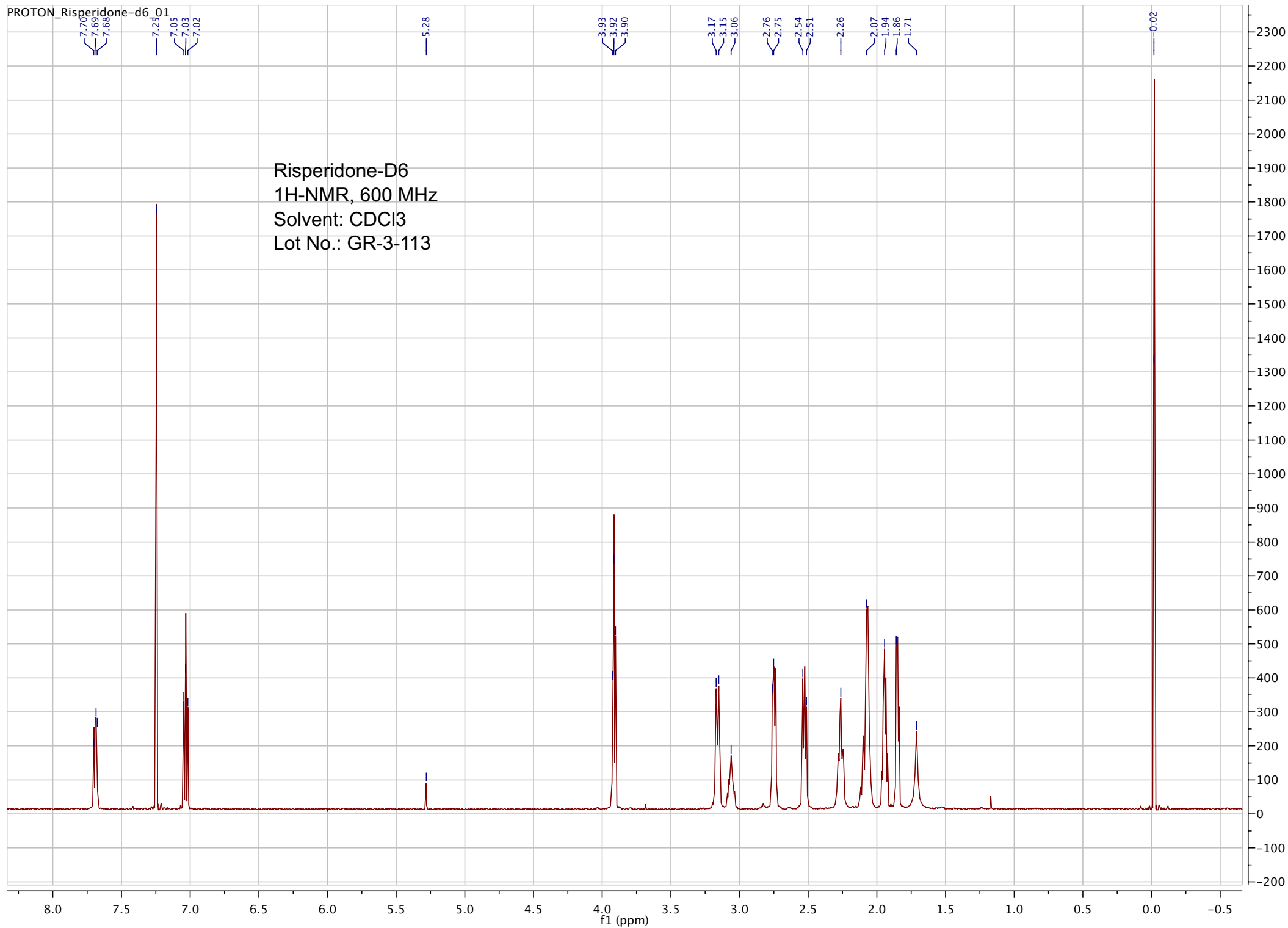
Name:	Risperidone-D6
Lot#:	GR-3-113
Test Date:	05/28/2024 (re-test date: 05/28/2029)
CAS No.:	106266-06-2 (unlabeled)
MF:	C ₂₃ H ₂₁ D ₆ FN ₄ O ₂
MW:	416.53
Appearance:	Off-white Solid
Purity:	99.8% by HPLC; >98% atom D (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 417.26 [M+H] ⁺)
Storage	Long term store at - 20° C in a dry place away from direct sunlight

Approved by:

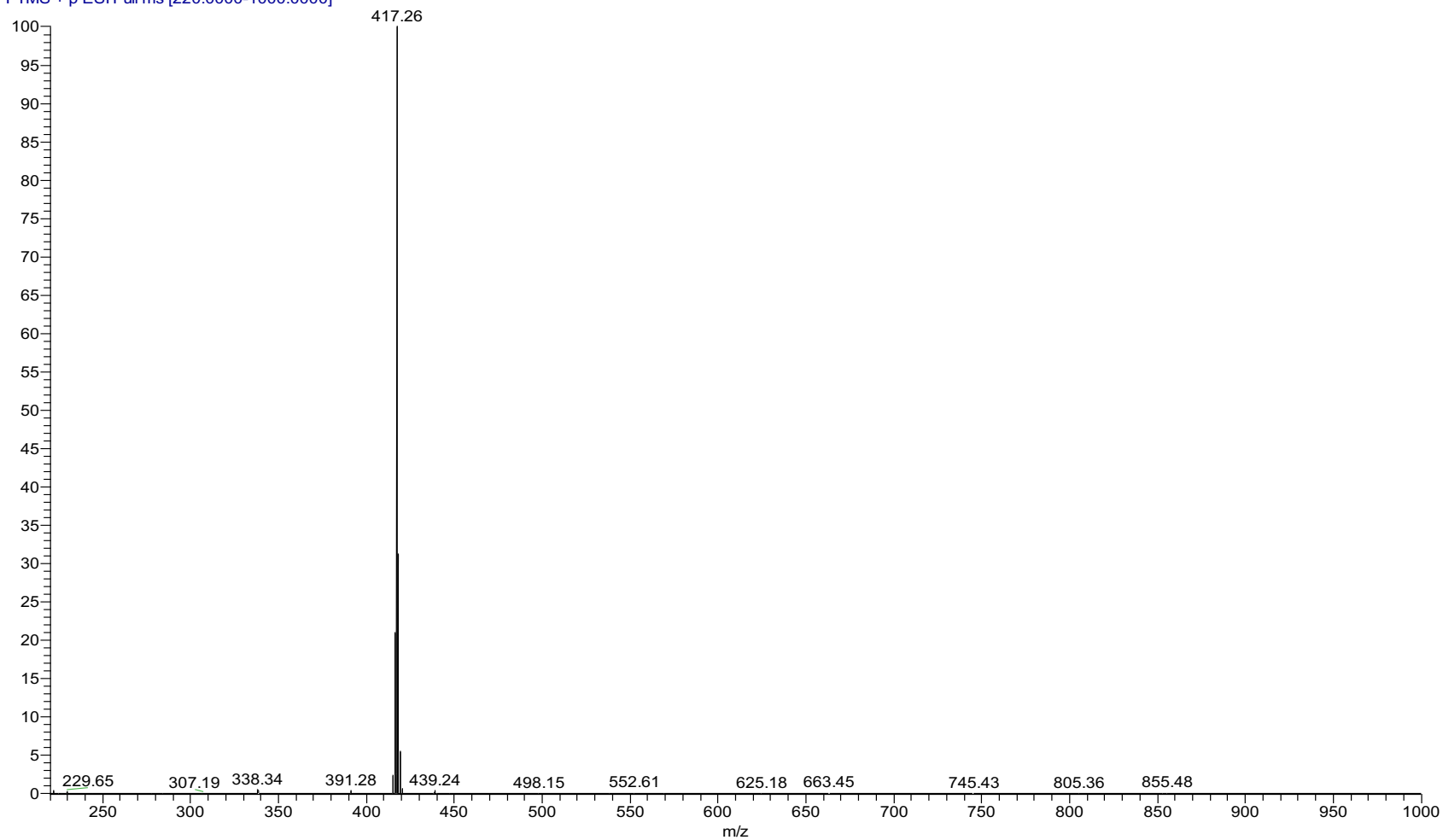
Date: 05/28/2024



Viorica Rusu, QC/QA Manager



pp_2021_002_GR_3_113_1 #2185 RT: 4.91 AV: 1 NL: 8.67E8
T: FTMS + p ESI Full ms [220.0000-1000.0000]

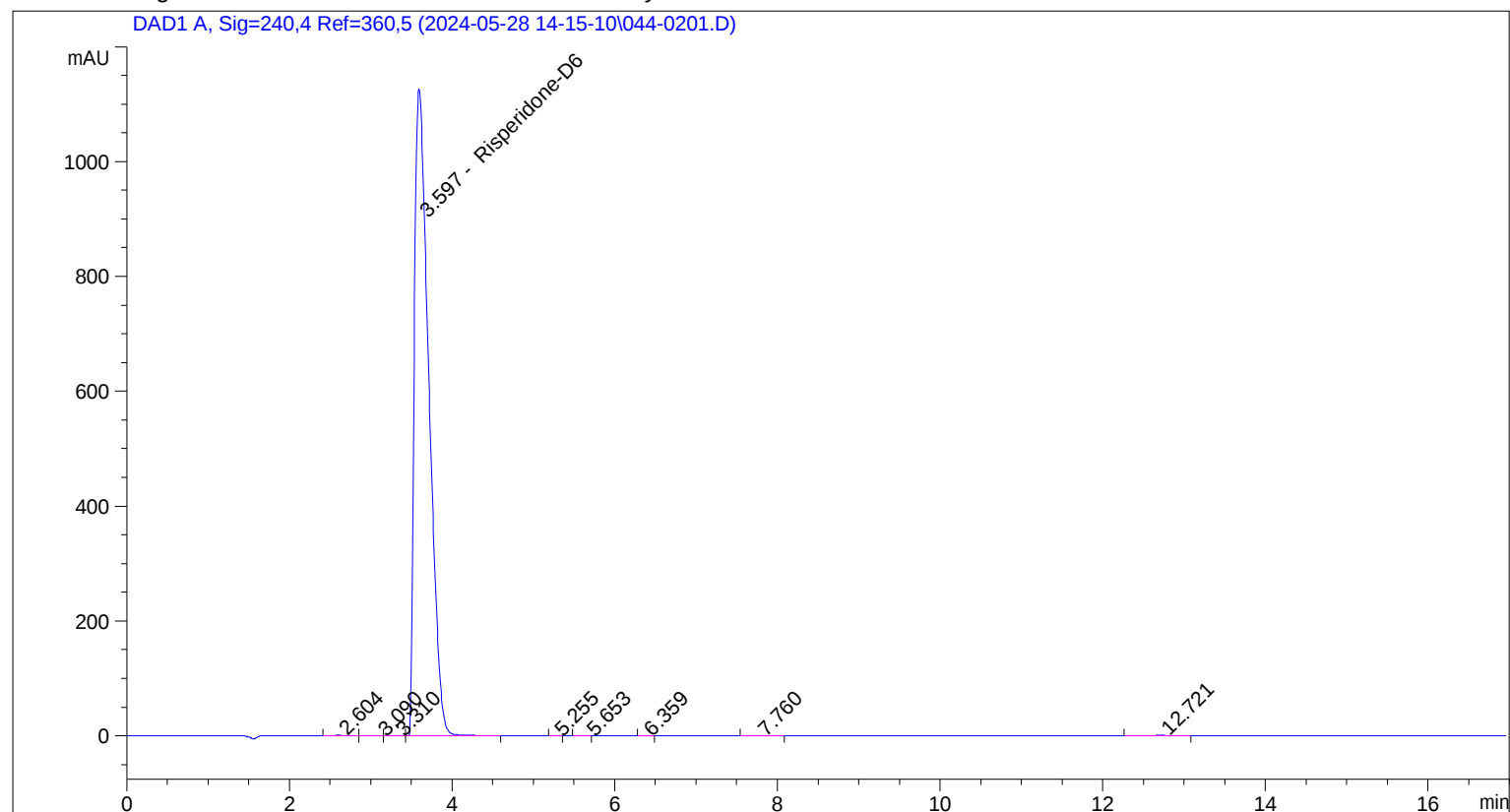


ESI-MS spectrum for sample GR-3-113. Shows monoisotopic $[M+H]^+$ mass.

Sample Name: GR-3-113

```
=====
Acq. Operator   : vrusu                      Seq. Line :    2
Acq. Instrument : Instrument 1                Location  : Vial 44
Injection Date  : 5/28/2024 2:34:56 PM        Inj       :    1
                                           Inj Volume: 20.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-05-28 14-15-10\VR052824_113.M
Last changed    : 5/28/2024 2:13:34 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052824_113PM.M
Last changed    : 5/28/2024 3:43:52 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/28/2024 3:43:17 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.604	BB	0.1301	7.39202	0.0528	?
2	3.090	BV	0.1023	2.14573	0.0153	?
3	3.310	VB	0.1348	3.29269	0.0235	?
4	3.597	BB	0.1907	1.39721e4	99.7795	Risperidone-D6
5	5.255	BB	0.0861	5.46360e-1	3.902e-3	?
6	5.653	BB	0.1141	7.41234e-1	5.293e-3	?
7	6.359	BB	0.0911	6.15902e-1	4.398e-3	?
8	7.760	BB	0.1812	3.31669	0.0237	?

Sample Name: GR-3-113

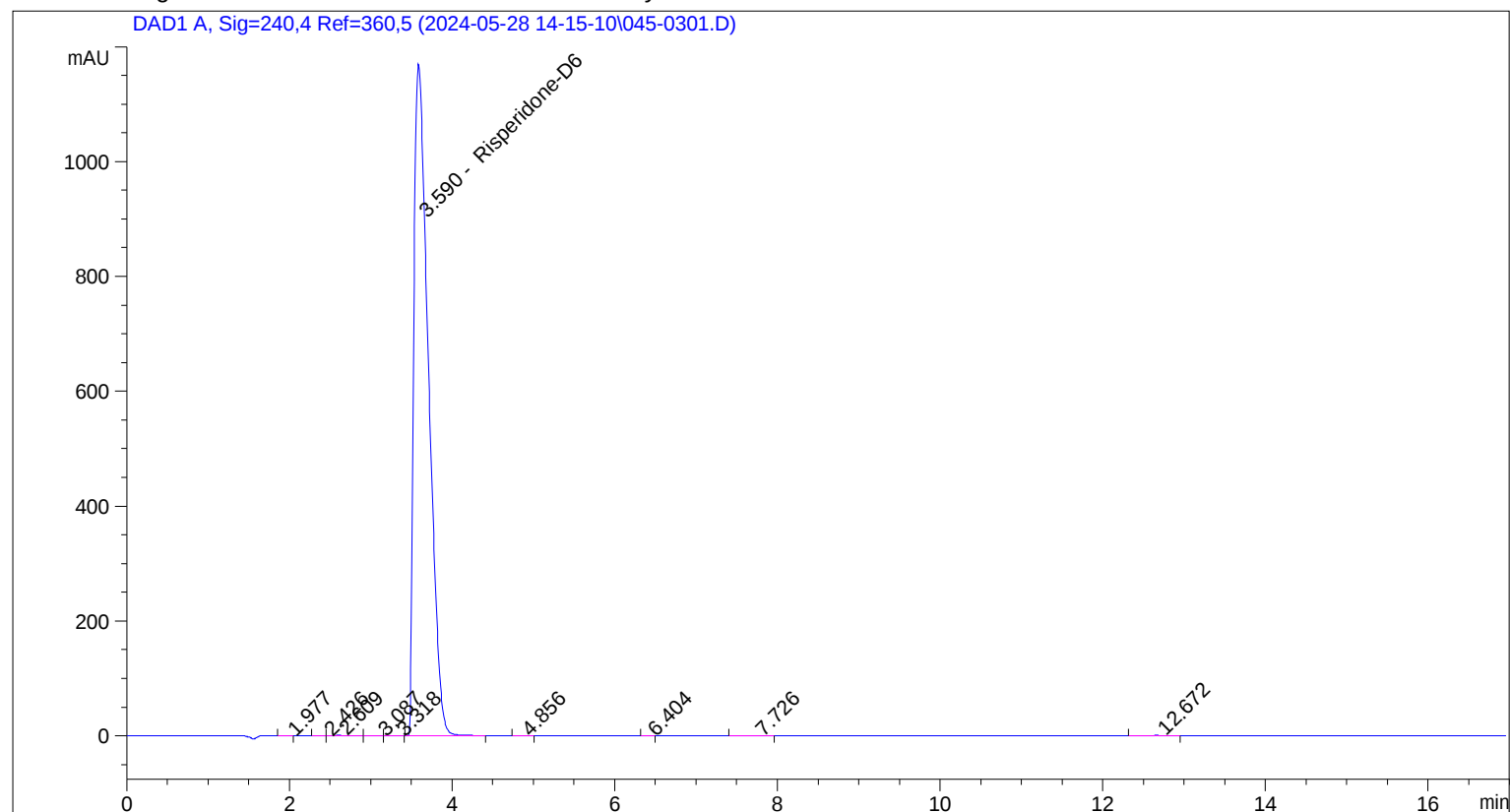
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	12.721	BB	0.2388	12.81955	0.0915	?

Totals : 1.40030e4

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

Sample Name: GR-3-113 spl-2

```
=====
Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 45
Injection Date  : 5/28/2024 2:53:32 PM        Inj       :    1
                                           Inj Volume: 20.0 µl
Acq. Method     : C:\CHEM32\1\DATA\2024-05-28 14-15-10\VR052824_113.M
Last changed    : 5/28/2024 2:13:34 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR052824_113PM.M
Last changed    : 5/28/2024 3:43:52 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      5/28/2024 3:43:17 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.977	BB	0.0935	6.34578e-1	4.322e-3	?
2	2.426	BV	0.1037	6.06557e-1	4.131e-3	?
3	2.609	VB	0.1463	8.40299	0.0572	?
4	3.087	BV	0.1136	1.90719	0.0130	?
5	3.318	VB	0.1257	3.05227	0.0208	?
6	3.590	BV	0.1921	1.46497e4	99.7731	Risperidone-D6
7	4.856	BB	0.1264	1.30291	8.874e-3	?
8	6.404	VB	0.1123	6.99601e-1	4.765e-3	?

Sample Name: GR-3-113 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	7.726	BV	0.1876	4.46454	0.0304	?
10	12.672	VB	0.2382	12.23931	0.0834	?

Totals : 1.46830e4

*** End of Report ***