

Name:	6α-Methylprednisolone-17-Propionate-D6 (major)
Lot#:	GR-10-043
Test Date:	03/23/2022 (re-test date: 03/23/2027)
CAS No.:	79512-61-1 (unlabeled)
MF:	C ₂₅ H ₂₈ D ₆ O ₆
MW:	436.58
Appearance:	Off-white solid
Purity:	98.0% by HPLC (average of two sample preparations); >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peak at m/z = 437.19 [M+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

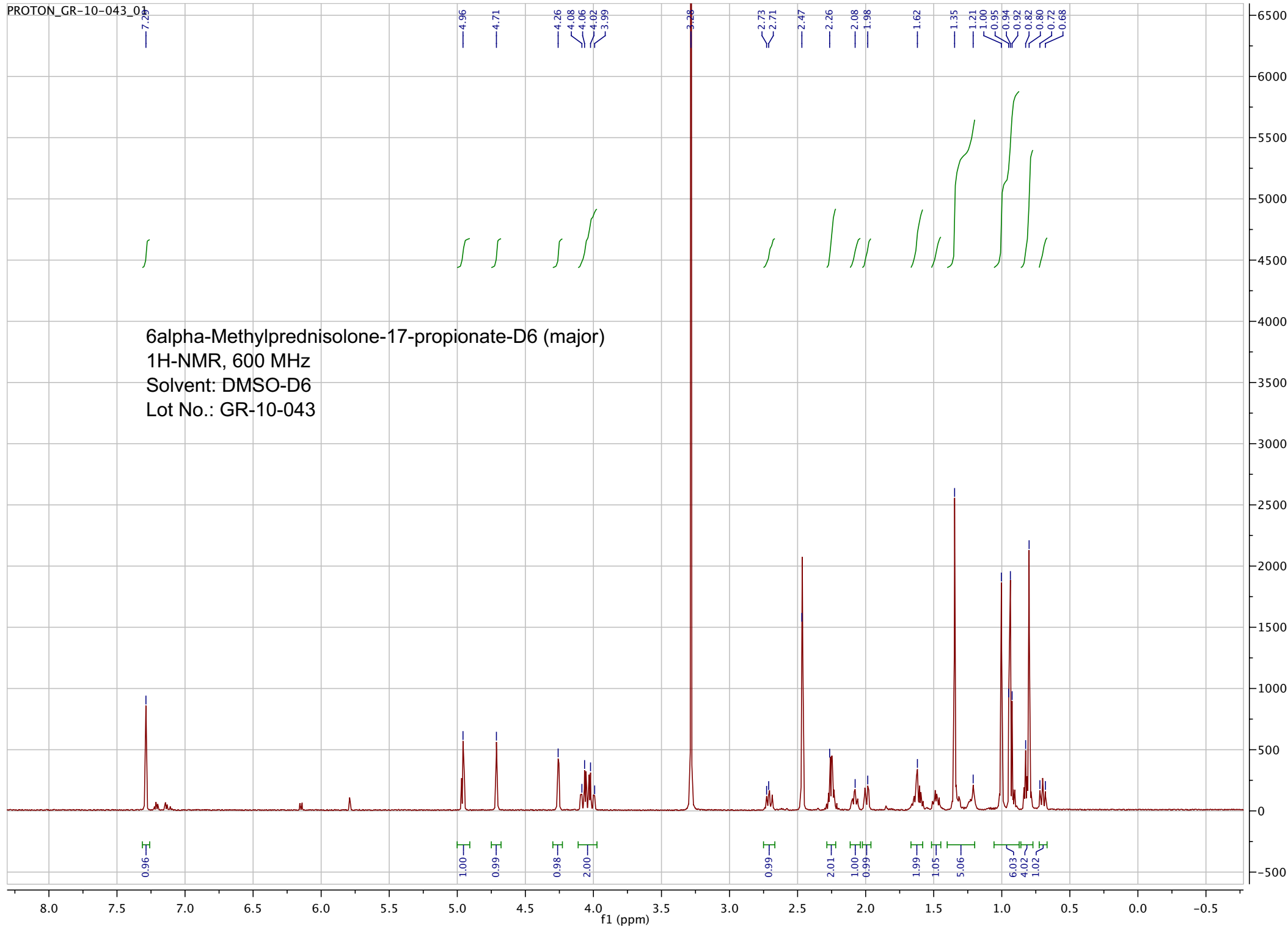
Approved by:

Date: 03/23/2022



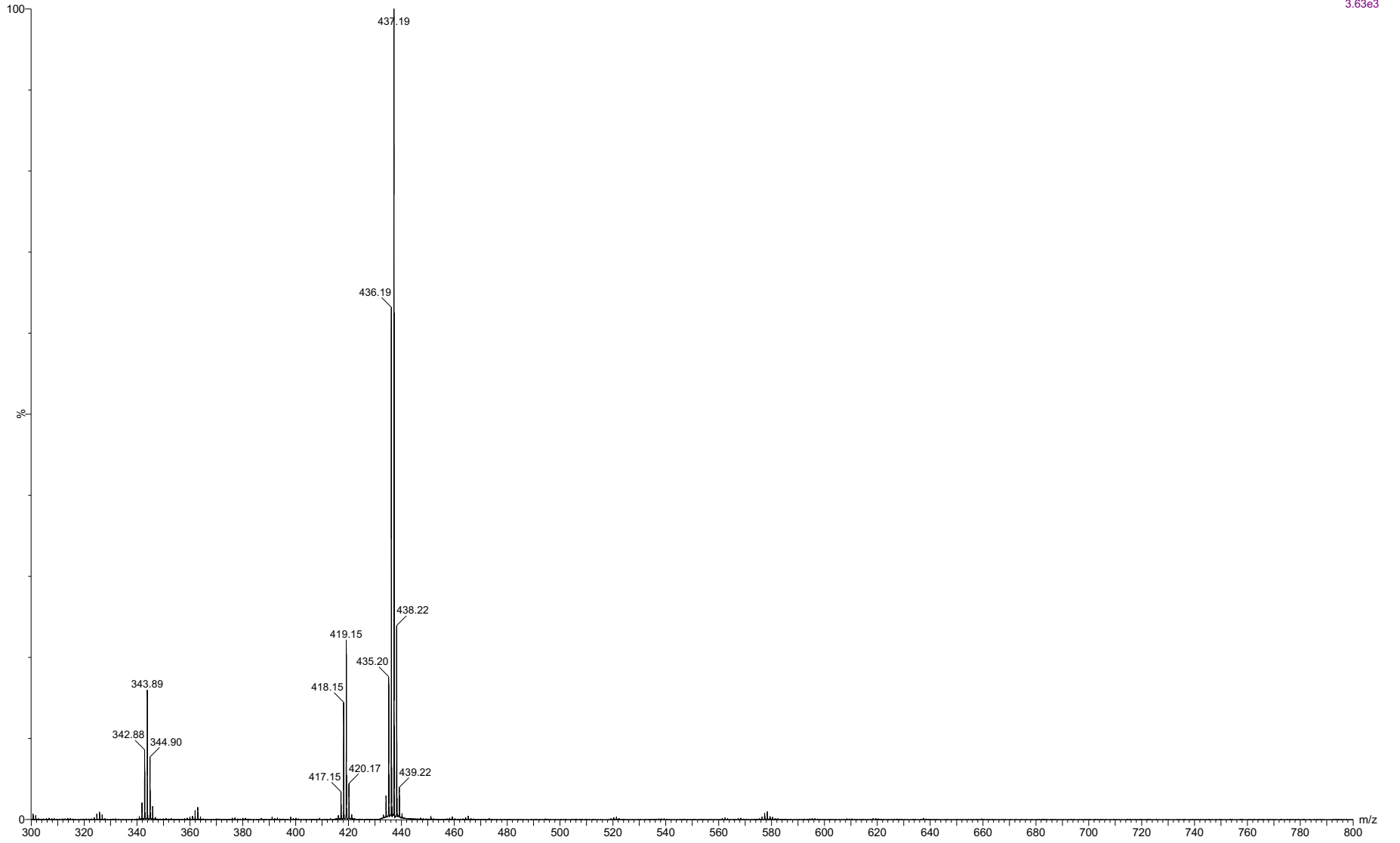
Viorica Rusu, QC/QA Manager

6alpha-Methylprednisolone-17-propionate-D6 (major)
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-10-043

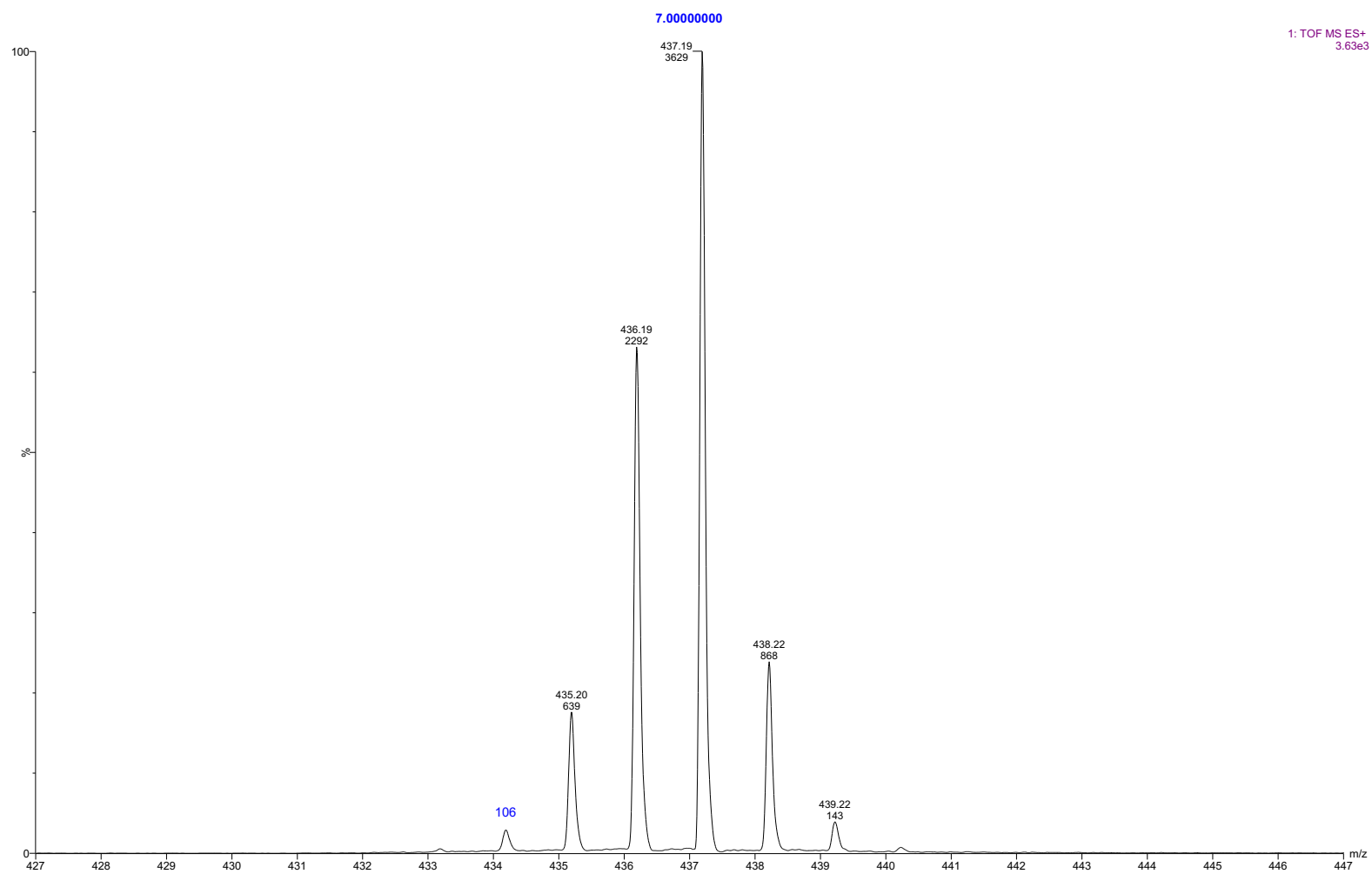


7.0000000

1: TOF MS ES+
3.63e3



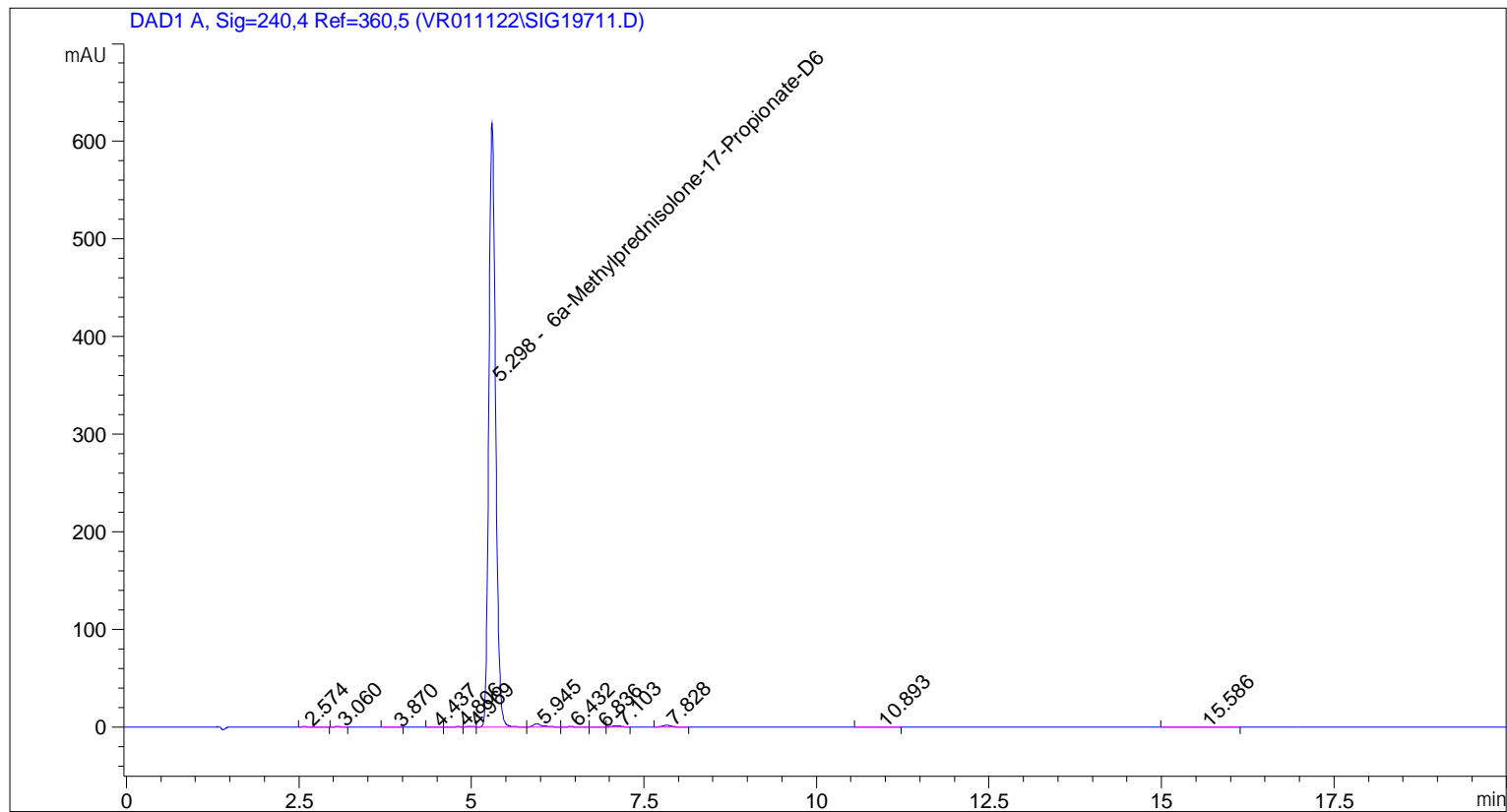
ESI-MS spectrum for sample GR-10-043. Shows monoisotopic $[M+H]^+$ mass.



Expansion of the above showing the intensity levels.

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 92
Injection Date  : 3/22/2022 10:19:34 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR032222_043.M
Last changed   : 3/22/2022 10:18:34 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032322_043PM.M
Last changed   : 3/23/2022 8:43:01 AM by vrusu
  
```



Area Percent Report

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Sorted By           : Signal
Calib. Data Modified : 3/23/2022 8:41:51 AM
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	2.574	BB	0.0957	3.67441	0.0857	?
2	3.060	BB	0.0752	3.42922	0.0800	?
3	3.870	BB	0.1331	1.72024	0.0401	?
4	4.437	BB	0.0891	1.00470	0.0234	?
5	4.806	BV	0.1095	2.66318	0.0621	?
6	4.969	VV	0.1049	5.68003	0.1324	?
7	5.298	VV	0.1051	4193.78125	97.7864	6a-Methylprednisolone-17-Propionate-D6
8	5.945	VV	0.1380	33.36673	0.7780	?

Sample Name: GR-10-043

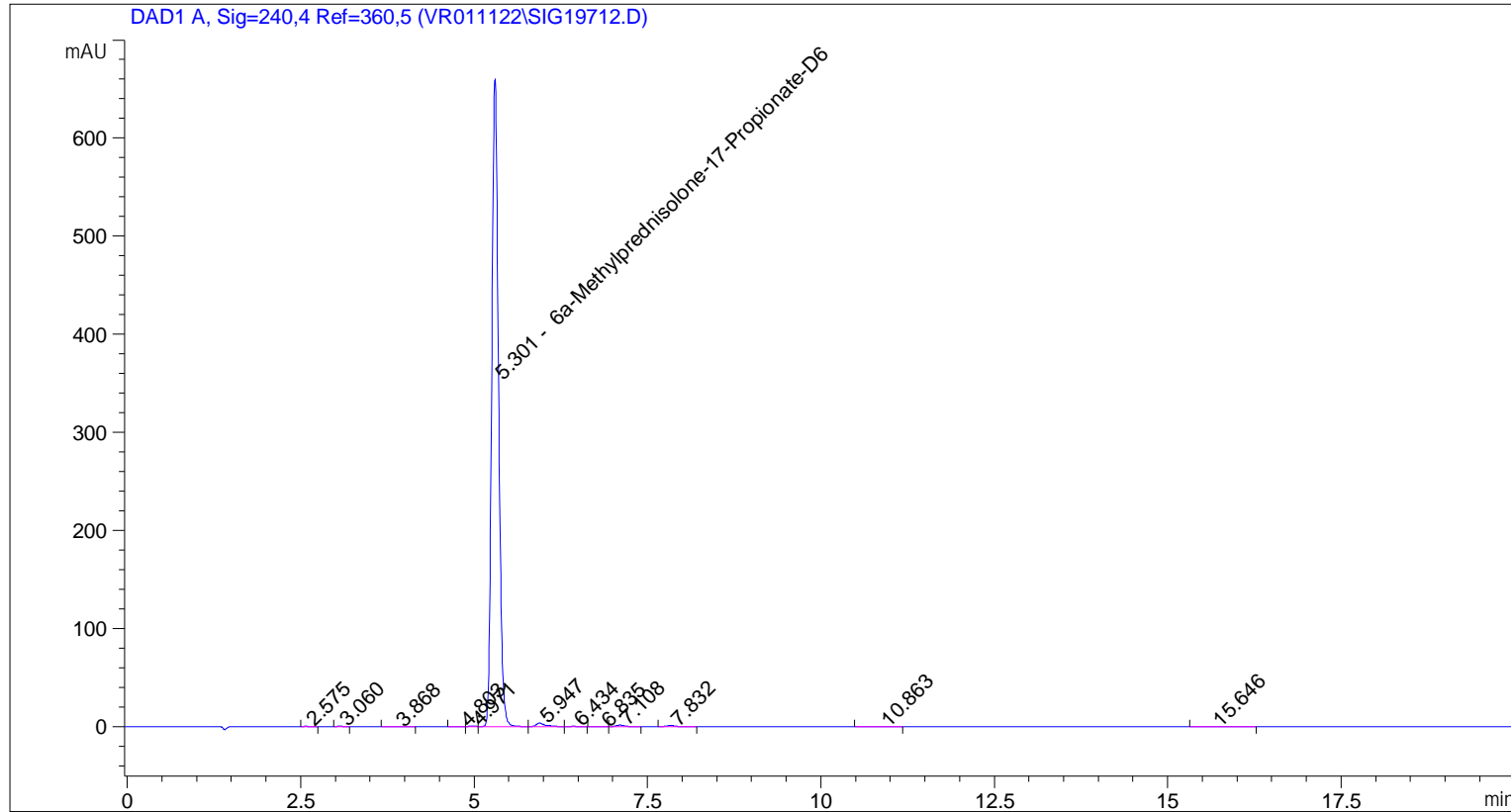
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.432	VB	0.1386	3.62838	0.0846	?
10	6.836	BV	0.1100	1.97779	0.0461	?
11	7.103	VB	0.1333	12.95654	0.3021	?
12	7.828	BB	0.1390	17.05914	0.3978	?
13	10.893	BB	0.3491	3.04251	0.0709	?
14	15.586	BB	0.4133	4.73328	0.1104	?

Totals : 4288.71739

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*** End of Report ***

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 93
Injection Date  : 3/22/2022 10:44:10 AM
                                           Inj Volume : 5.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR032222_043.M
Last changed   : 3/22/2022 10:43:13 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR032322_043PM.M
Last changed   : 3/23/2022 8:43:01 AM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By           : Signal
Calib. Data Modified : 3/23/2022 8:41:51 AM
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	2.575	BB	0.0688	2.21643	0.0486	?
2	3.060	BB	0.0690	3.22363	0.0707	?
3	3.868	BB	0.1400	2.41337	0.0530	?
4	4.803	BB	0.0830	1.19219	0.0262	?
5	4.971	BV	0.0907	4.08167	0.0896	?
6	5.301	VV	0.1030	4473.59814	98.1527	6a-Methylprednisolone-17-Propionate-D6
7	5.947	VB	0.1332	33.76136	0.7407	?
8	6.434	BB	0.1191	2.78654	0.0611	?

Sample Name: GR-10-043 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	6.835	BV	0.1220	1.86774	0.0410	?
10	7.108	VB	0.1391	14.40328	0.3160	?
11	7.832	BB	0.1428	11.44432	0.2511	?
12	10.863	VB	0.3252	3.40974	0.0748	?
13	15.646	BB	0.3295	3.39548	0.0745	?

Totals : 4557.79388

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*** End of Report ***