

Name:	6α-Methylprednisolone-D6 (major)
Lot#:	GR-4-265
Test Date:	11/15/2024 (re-test date: 11/15/2029)
CAS No.:	83-43-2 (unlabeled)
MF:	C ₂₂ H ₂₄ D ₆ O ₅
MW:	380.51
Appearance:	White Solid
Purity:	99.1% by HPLC (average of two sample preparations); >98% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 363.3 [M-H ₂ O+H] ⁺ , 381.3 [M+H] ⁺ , 403.3 [M+Na] ⁺)
Storage	Store at 0-8°C in a dry place away from direct sunlight

Approved by:

Date: 11/18/2024



Viorica Rusu, QC/QA Manager

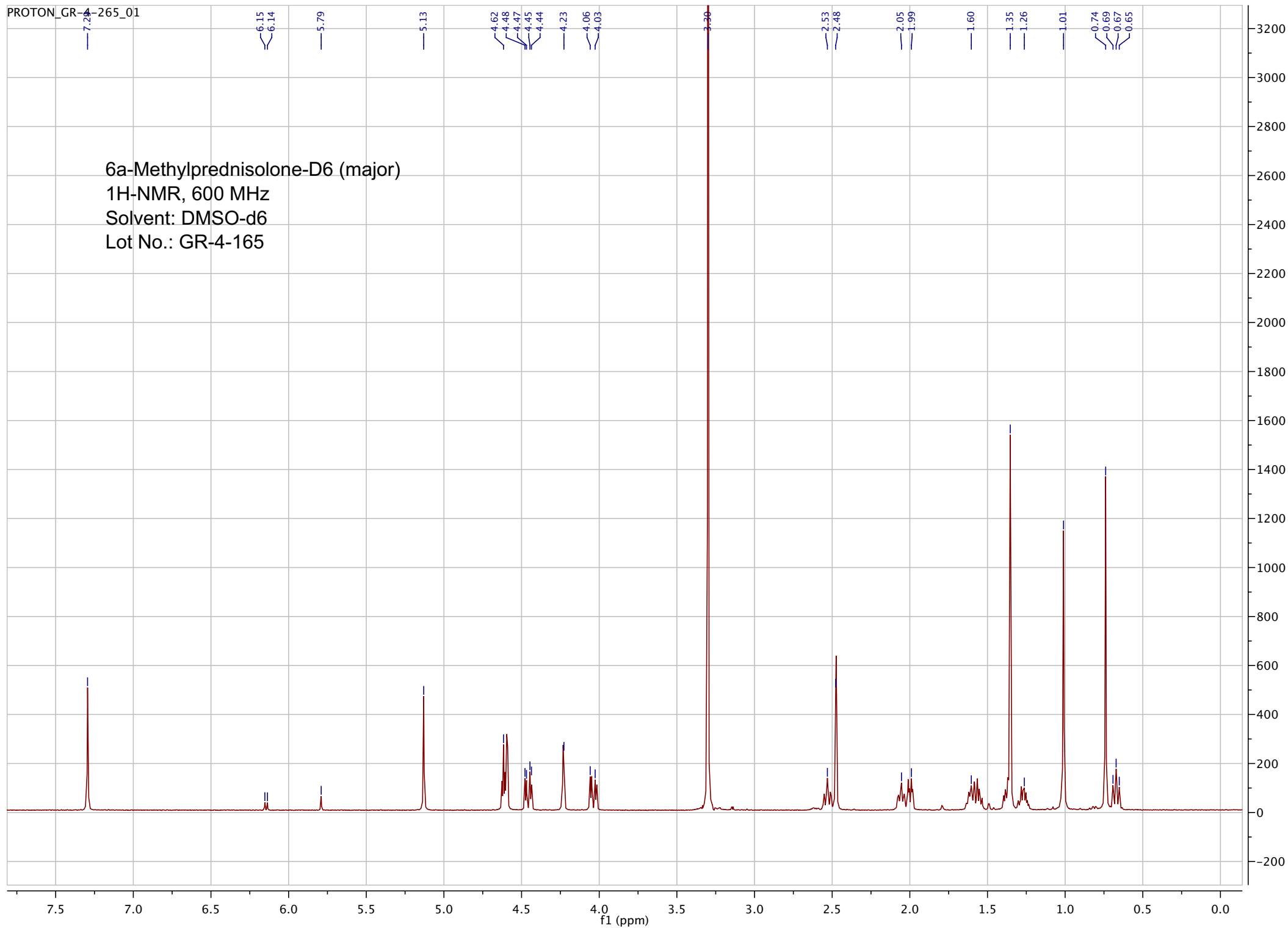
PROTON_GR-4-265_01

6a-Methylprednisolone-D6 (major)

¹H-NMR, 600 MHz

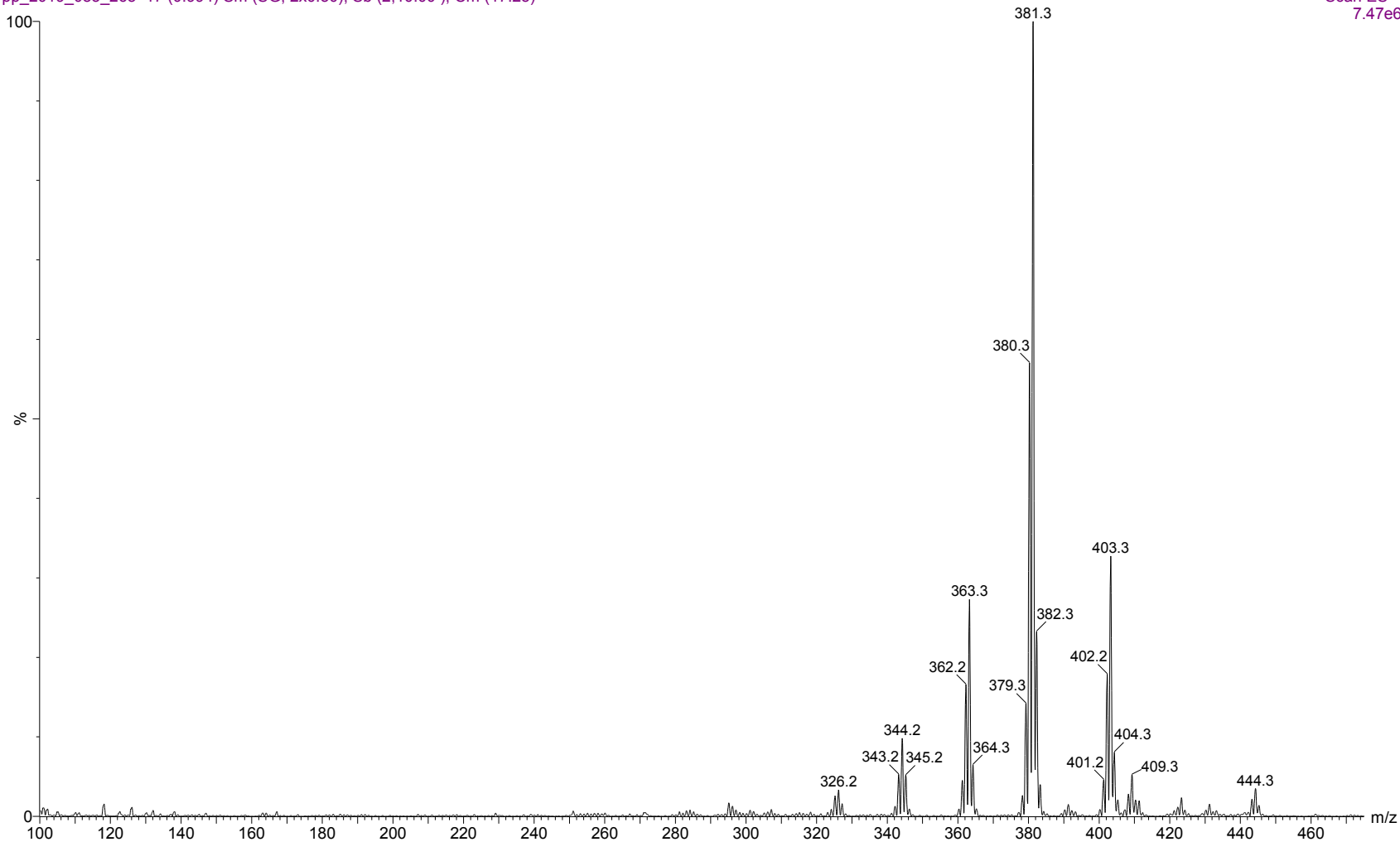
Solvent: DMSO-d₆

Lot No.: GR-4-165



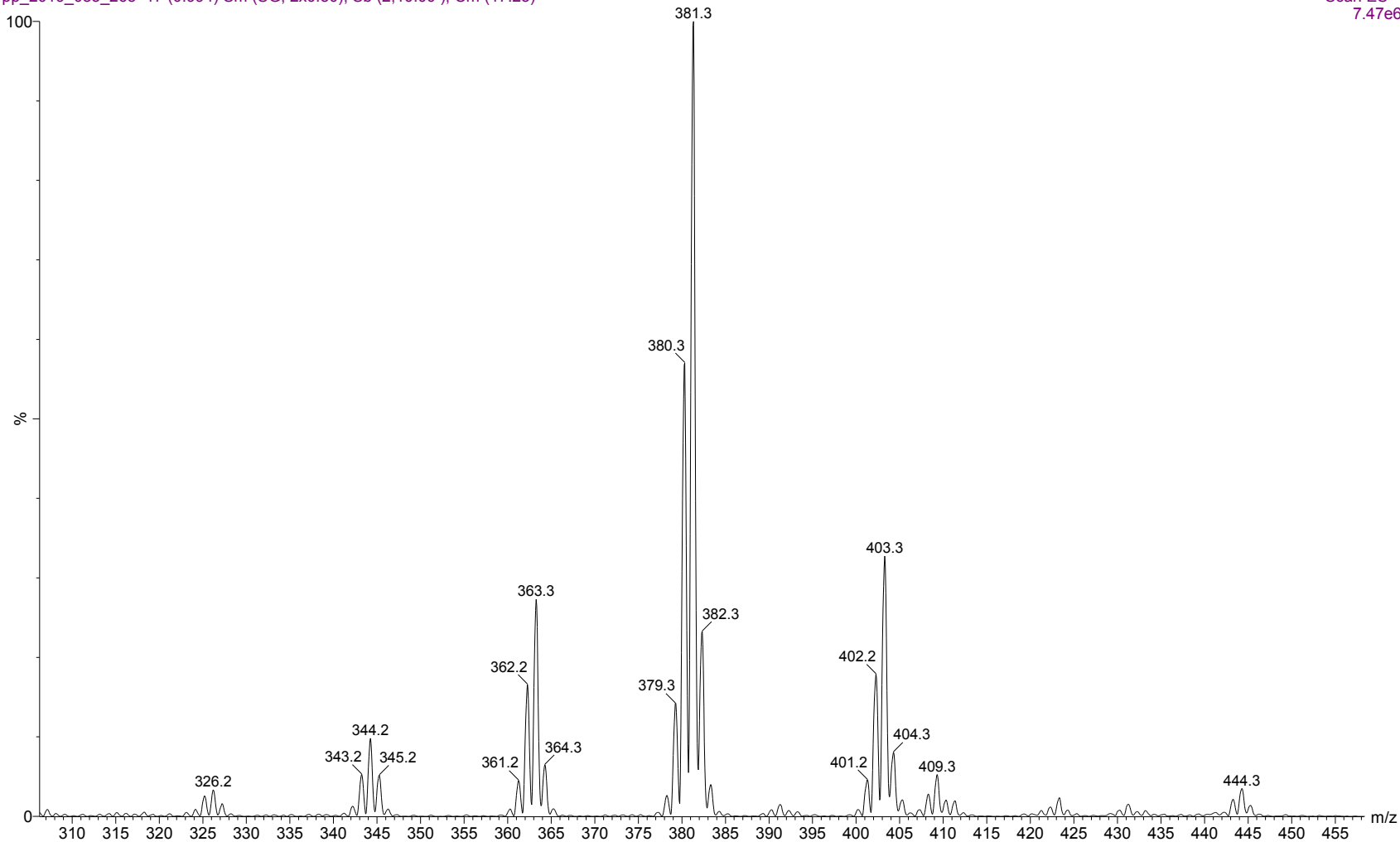
pp_2019_083_265 17 (0.994) Sm (SG, 2x0.50); Sb (2,10.00); Cm (17:25)

Scan ES+
7.47e6



pp_2019_083_265 17 (0.994) Sm (SG, 2x0.50); Sb (2,10.00); Cm (17:25)

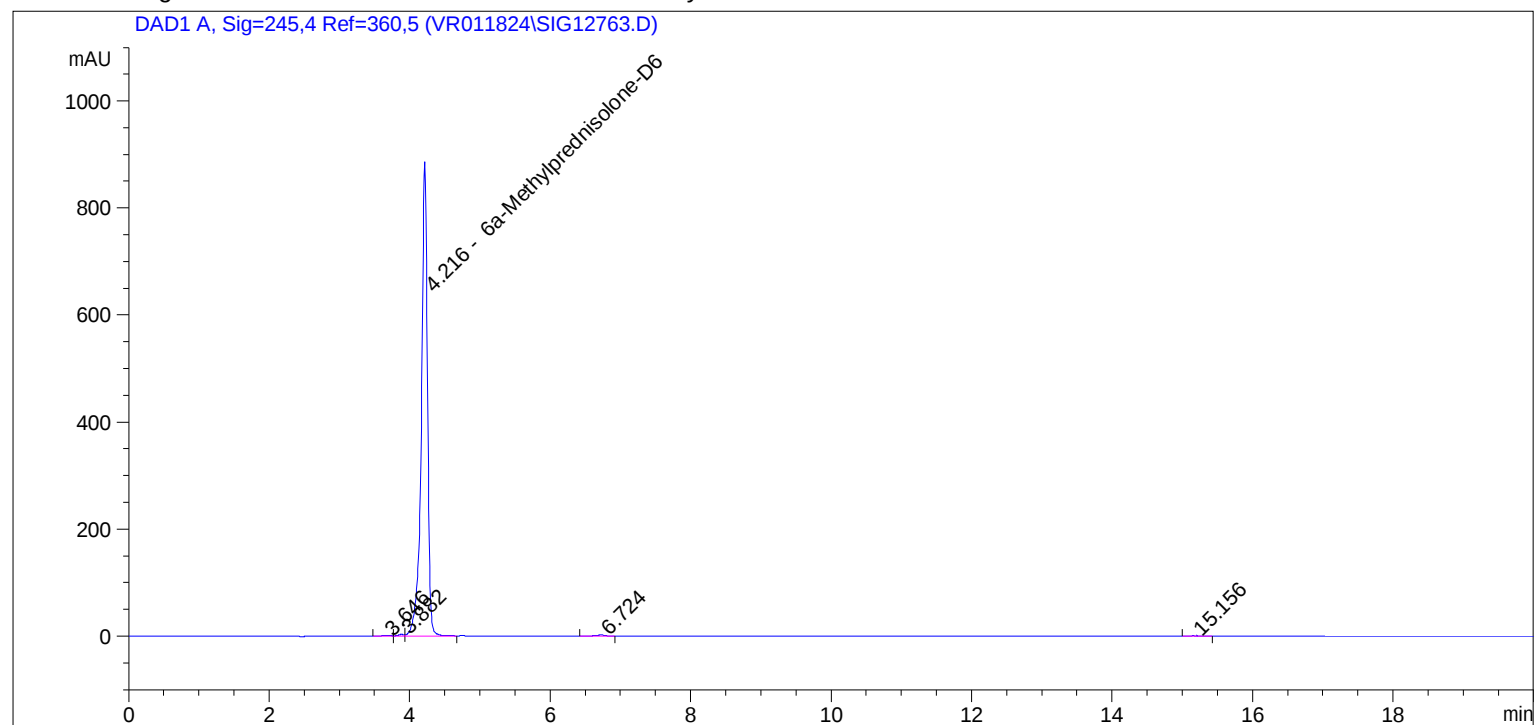
Scan ES+
7.47e6



Expansion of above.

Sample Name: GR-4-265 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 11
Injection Date  : 11/15/2024 10:35:24 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR111524_265.M
Last changed    : 11/15/2024 10:34:20 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111524_265PM.M
Last changed    : 11/15/2024 10:57:00 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      11/15/2024 10:40:35 AM
Multiplier:         :      1.603e3
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

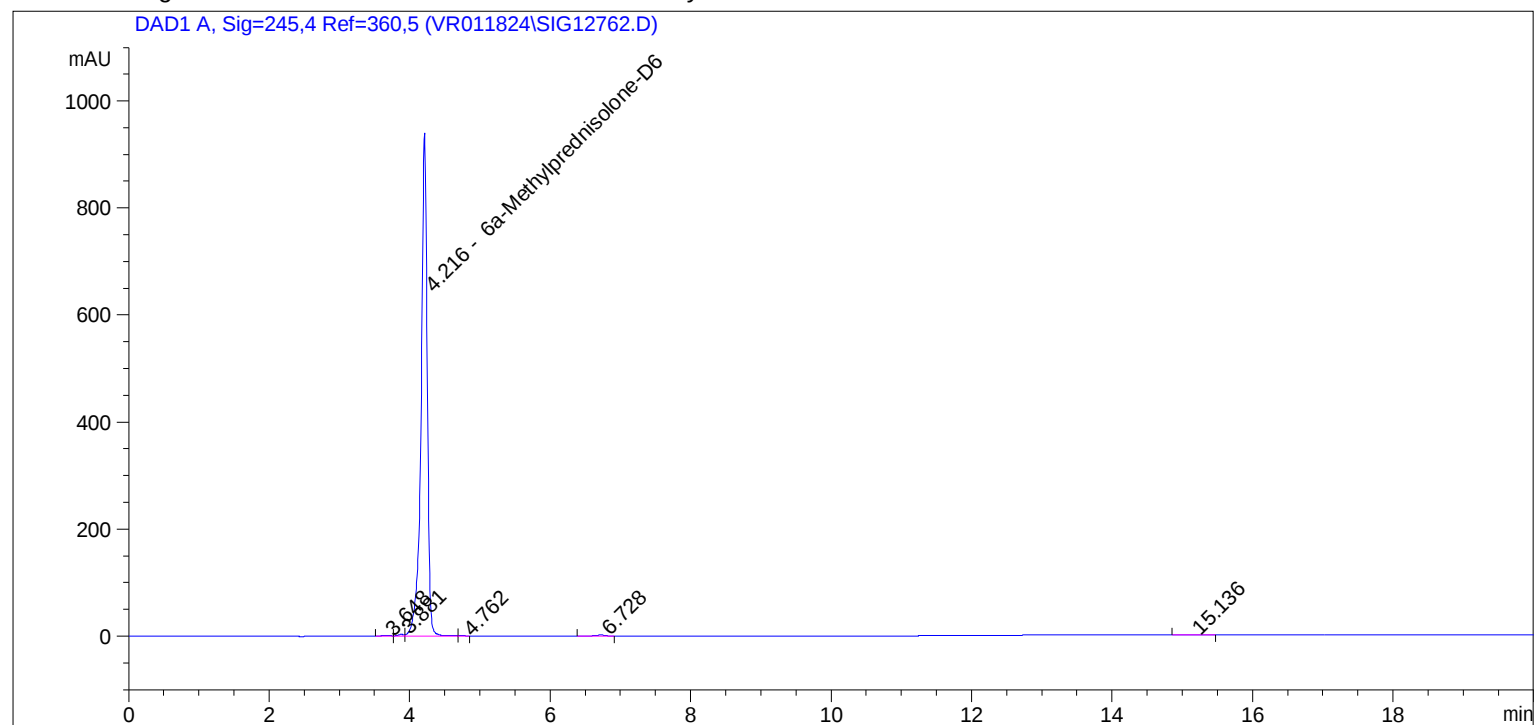
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.646	BV	0.1200	7.21402	0.1316	?
2	3.882	VV	0.0772	15.29124	0.2789	?
3	4.216	VB	0.0914	5436.97119	99.1728	6a-Methylprednisolone-D6
4	6.724	BB	0.1367	18.41164	0.3358	?
5	15.156	BB	0.1880	4.43087	0.0808	?

Totals : 5482.31896

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

Sample Name: GR-4-265

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 10
Injection Date  : 11/15/2024 10:13:03 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR111524_265.M
Last changed    : 11/15/2024 10:11:58 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR111524_265PM.M
Last changed    : 11/15/2024 10:57:00 AM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      11/15/2024 10:40:35 AM
Multiplier:         :      1.603e3
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.648	BV	0.1260	7.07752	0.1216	?
2	3.881	VV	0.0794	16.52695	0.2841	?
3	4.216	VV	0.0895	5765.99316	99.1007	6a-Methylprednisolone-D6
4	4.762	VB	0.0858	2.68125	0.0461	?
5	6.728	BB	0.1349	18.78547	0.3229	?
6	15.136	BB	0.2117	7.25110	0.1246	?

```
Totals :                               5818.31546
=====
```