

Name:	Sumatriptan-D6 Succinate
Lot#:	GR-14-079
Test Date:	03/11/2025 (re-test date: 03/11/2030)
CAS No.:	1215621-31-0
MF:	C ₁₈ H ₂₁ D ₆ N ₃ O ₆ S
MW:	419.53
Appearance:	Off-White Solid
Purity:	99.1% by HPLC; 99.2% atom D
¹H-NMR:	Conforms (contains 2% Acetone)
MS-ESI (+)	Conforms (shows peak at m/z = 302.31 [M _{free base} +H ⁺] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight under nitrogen

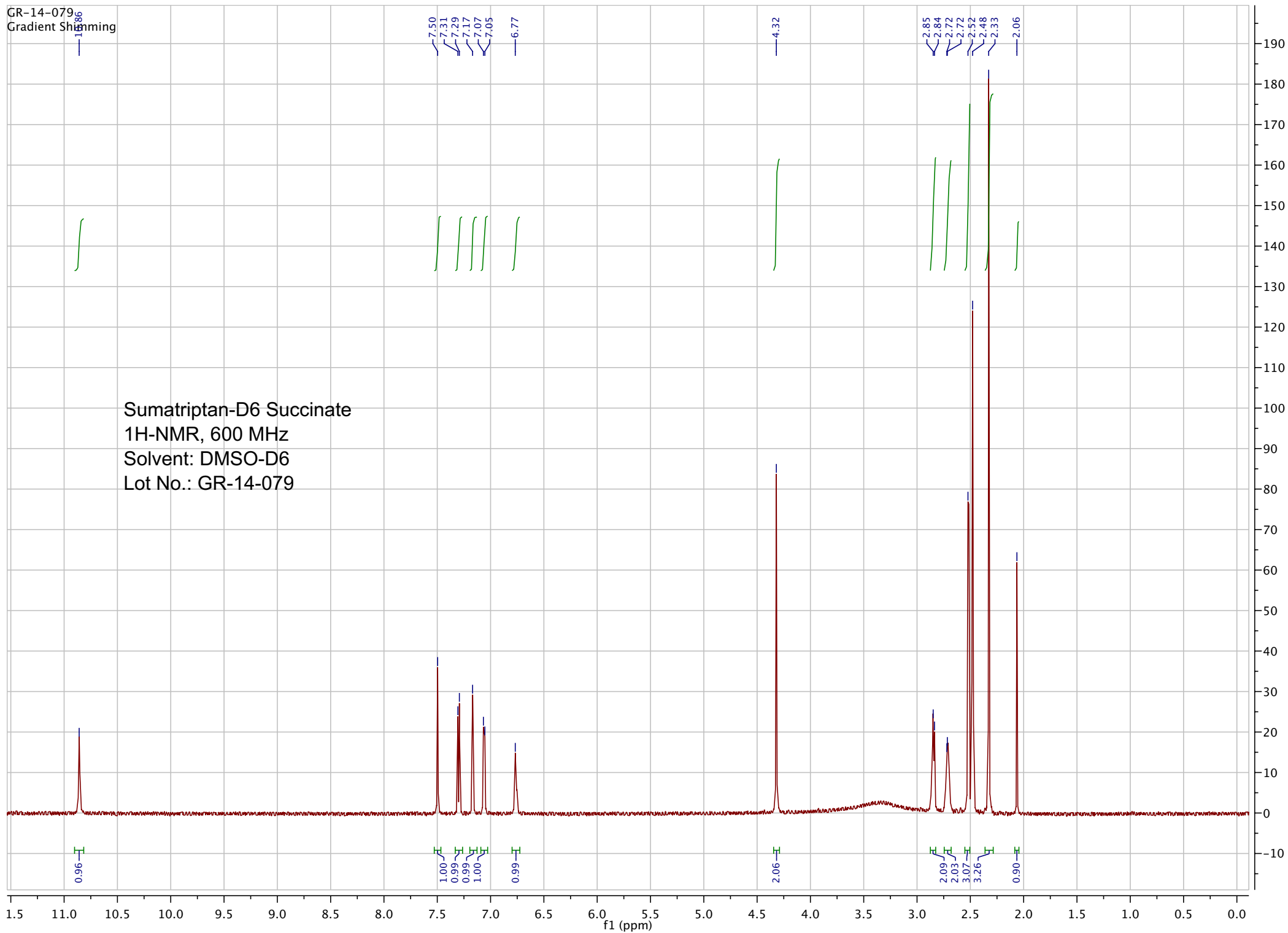
Approved by:

Date: 03/12/2025

Viorica Rusu, QC/QA Manager

GR-14-079
Gradient Shimming

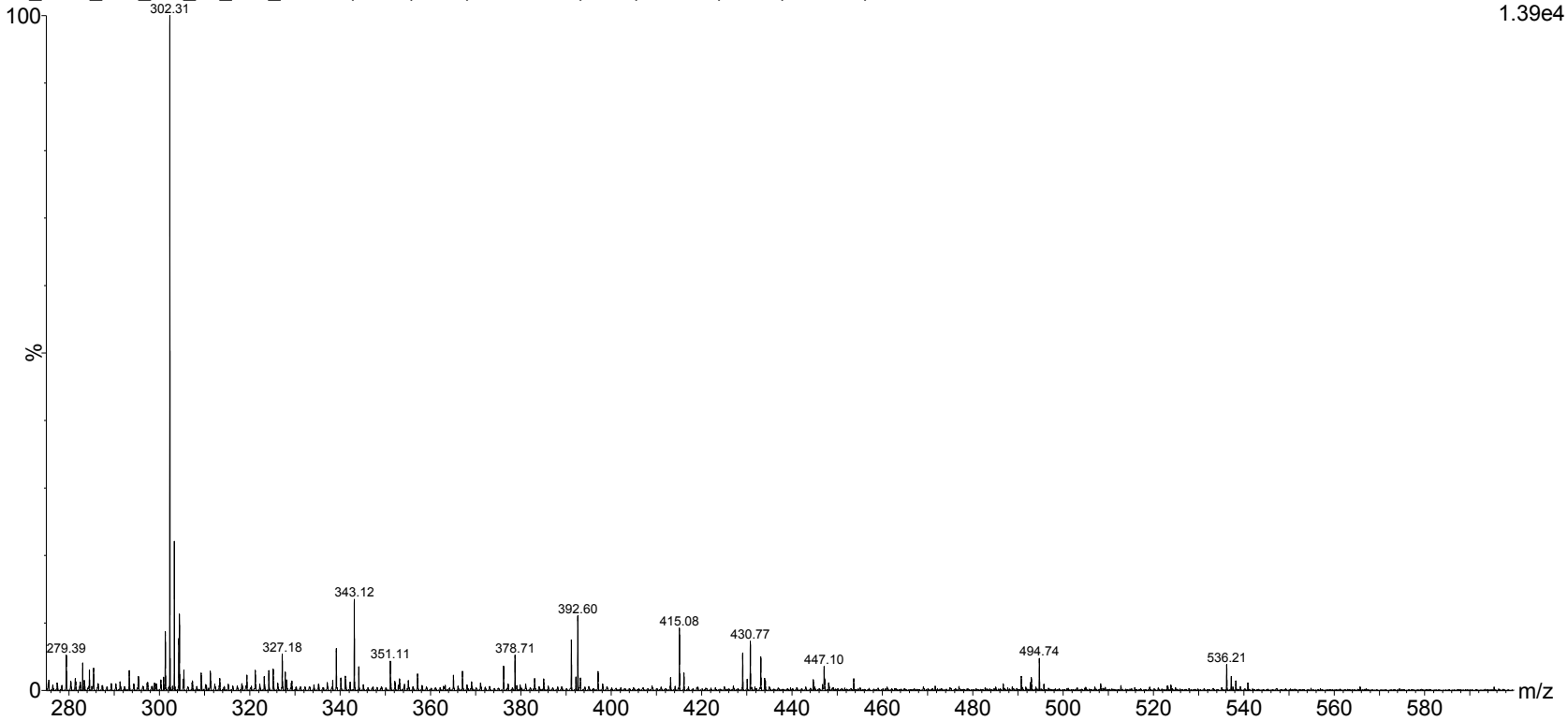
Sumatriptan-D6 Succinate
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-14-079



07-Oct-2019, 16:06:04

PP_2019_106_GR_14_079_2 690 (7.187) Sm (SG, 2x5.00); Sb (2,10.00); Cm (663:698)

TOF MS ES+
1.39e4

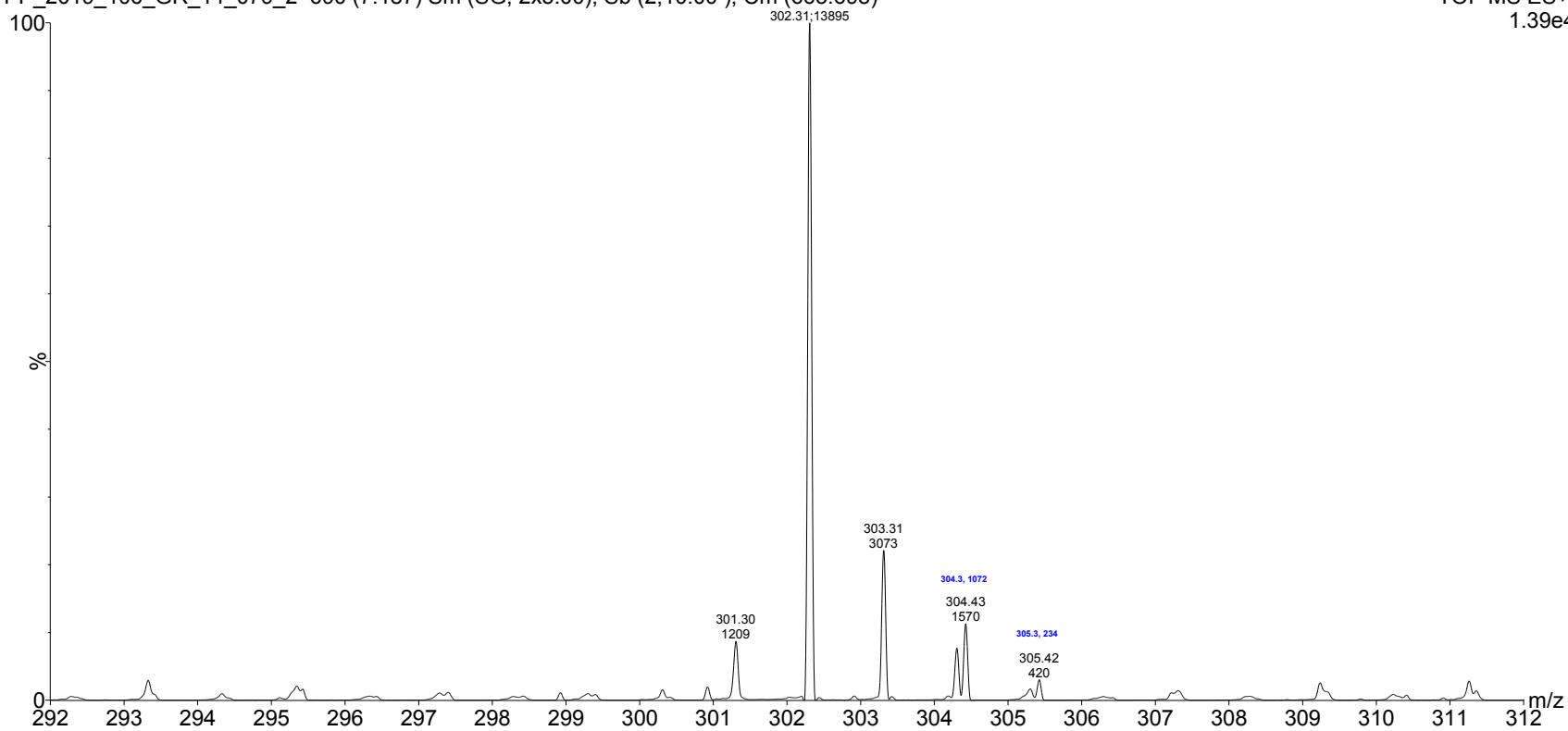


ESI-MS spectrum for sample GR-14-079. Shows monoisotopic $[M+H]^+$ mass.

07-Oct-2019, 16:06:04

TOF MS ES+
1.39e4

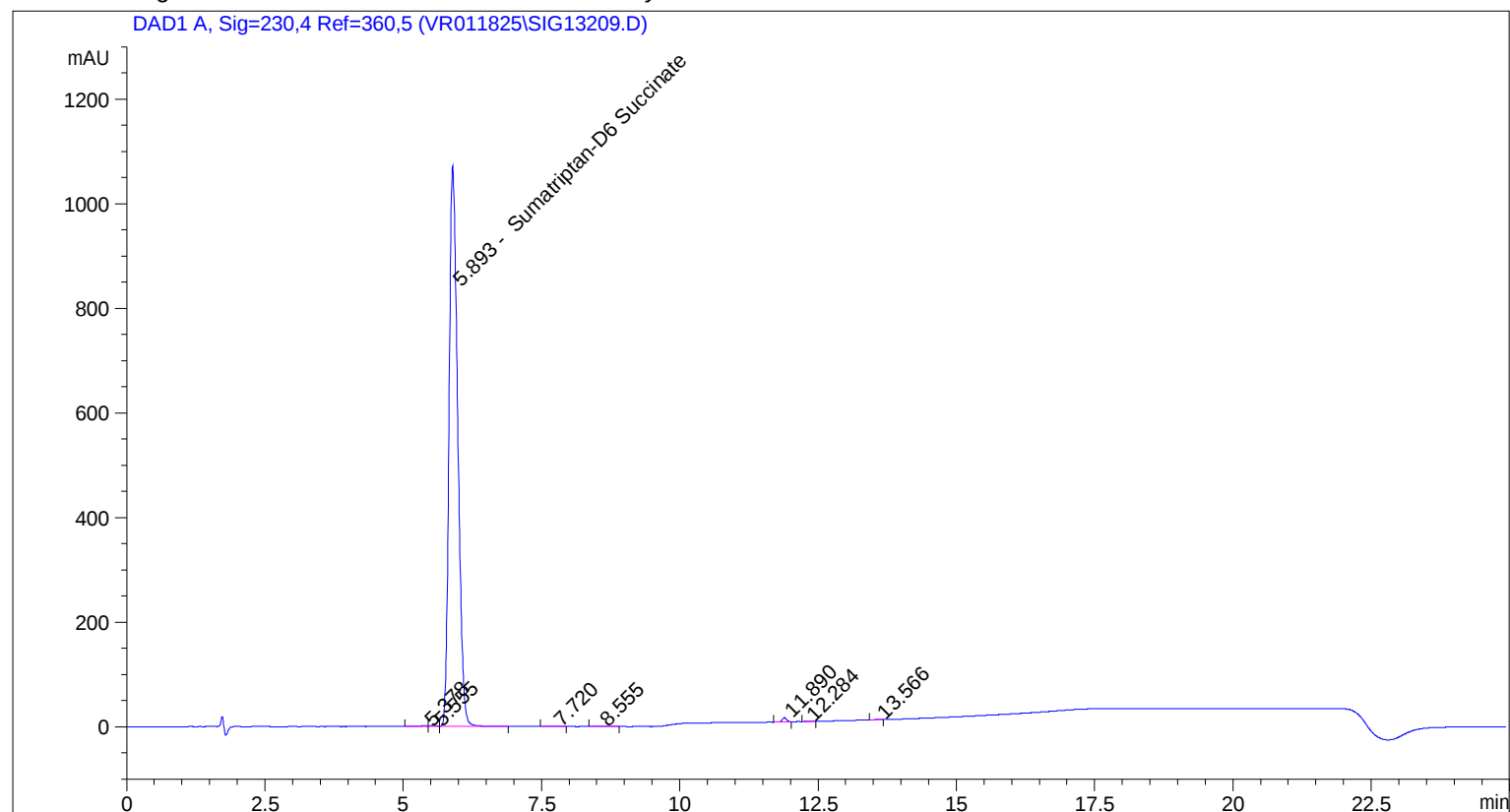
PP_2019_106_GR_14_079_2 690 (7.187) Sm (SG, 2x5.00); Sb (2,10.00); Cm (663:698)



Expansion of above showing intensity labels.

Sample Name: GR-14-079 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 33
Injection Date  : 3/11/2025 3:22:27 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR031125_079.M
Last changed    : 3/11/2025 3:21:26 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR031125_079PM.M
Last changed    : 3/11/2025 4:08:30 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      3/11/2025 4:07:13 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	5.378	BV	0.1653	16.77300	0.1419	?
2	5.555	VV	0.1308	17.20029	0.1455	?
3	5.893	VB	0.1716	1.17214e4	99.1389	Sumatriptan-D6 Succinate
4	7.720	BB	0.1333	3.91407	0.0331	?
5	8.555	BB	0.1818	8.38635	0.0709	?
6	11.890	BB	0.0816	43.82658	0.3707	?
7	12.284	BB	0.0805	5.81014	0.0491	?
8	13.566	BB	0.0845	5.90501	0.0499	?

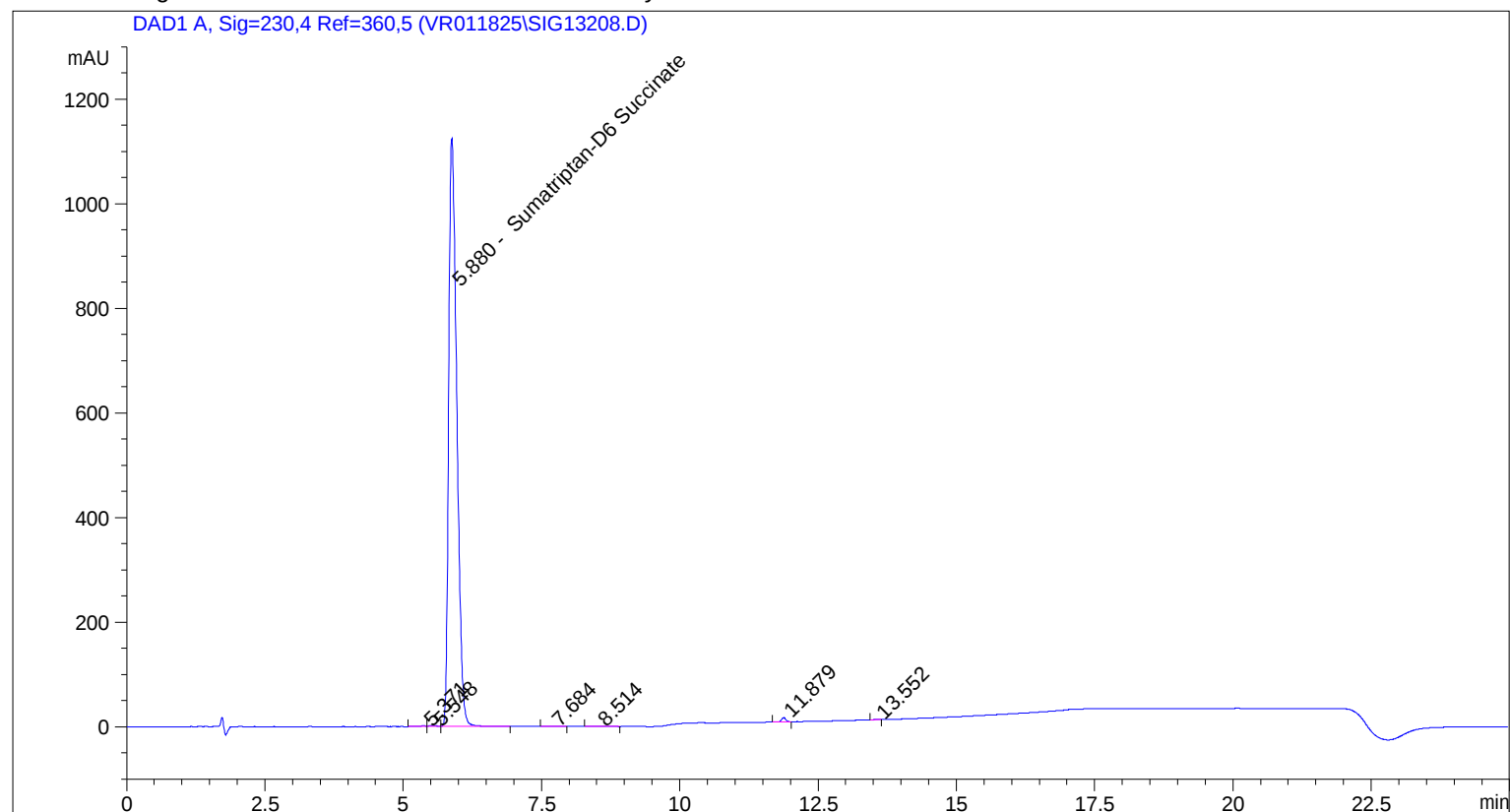
Sample Name: GR-14-079 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
----- ----- ----- ----- ----- ----- -----						
Totals :				1.18232e4		

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*** End of Report ***

Sample Name: GR-14-079

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 32
Injection Date  : 3/11/2025 2:55:43 PM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR031125_079.M
Last changed    : 3/11/2025 2:54:41 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR031125_079PM.M
Last changed    : 3/11/2025 4:08:30 PM by vrusu
=====
```



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

```
Sorted By           :      Signal
Calib. Data Modified :      3/11/2025 4:07:13 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	5.371	BV	0.1407	14.47783	0.1244	?
2	5.548	VV	0.1409	20.43102	0.1755	?
3	5.880	VB	0.1597	1.15411e4	99.1497	Sumatriptan-D6 Succinate
4	7.684	BB	0.1519	4.90923	0.0422	?
5	8.514	BB	0.1913	9.43546	0.0811	?
6	11.879	BB	0.0830	45.46689	0.3906	?
7	13.552	BB	0.0711	4.25377	0.0365	?

Sample Name: GR-14-079

Totals : 1.16400e4

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*** End of Report ***