

Name: Lacosamide-D3
Lot#: GR-6-149
Test Date: 05/06/2020 (re-test date: 05/06/2025)
CAS No.: 1217689-95-6
MF: C₁₃H₁₅D₃N₂O₃
MW: 253.32
Appearance: White Solid
Purity: 98.5% by HPLC; 99.9% atom D
¹H-NMR: Conforms
MS-ESI (+) Conforms (shows peak at m/z = 254.16 [M+H]⁺)
Storage Store at 0-8°C in a dry place away from direct sunlight

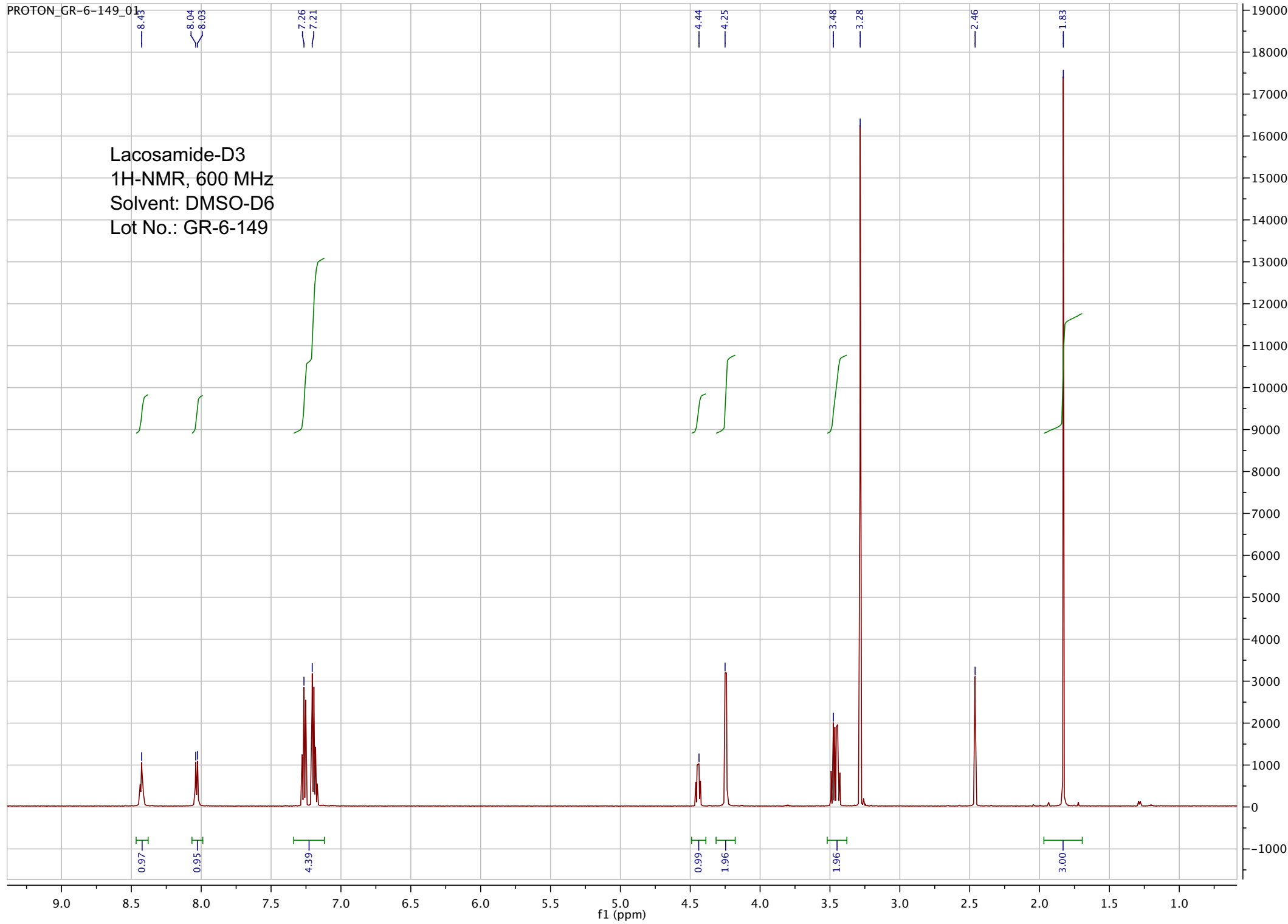
Approved by:

Date: 05/06/2020



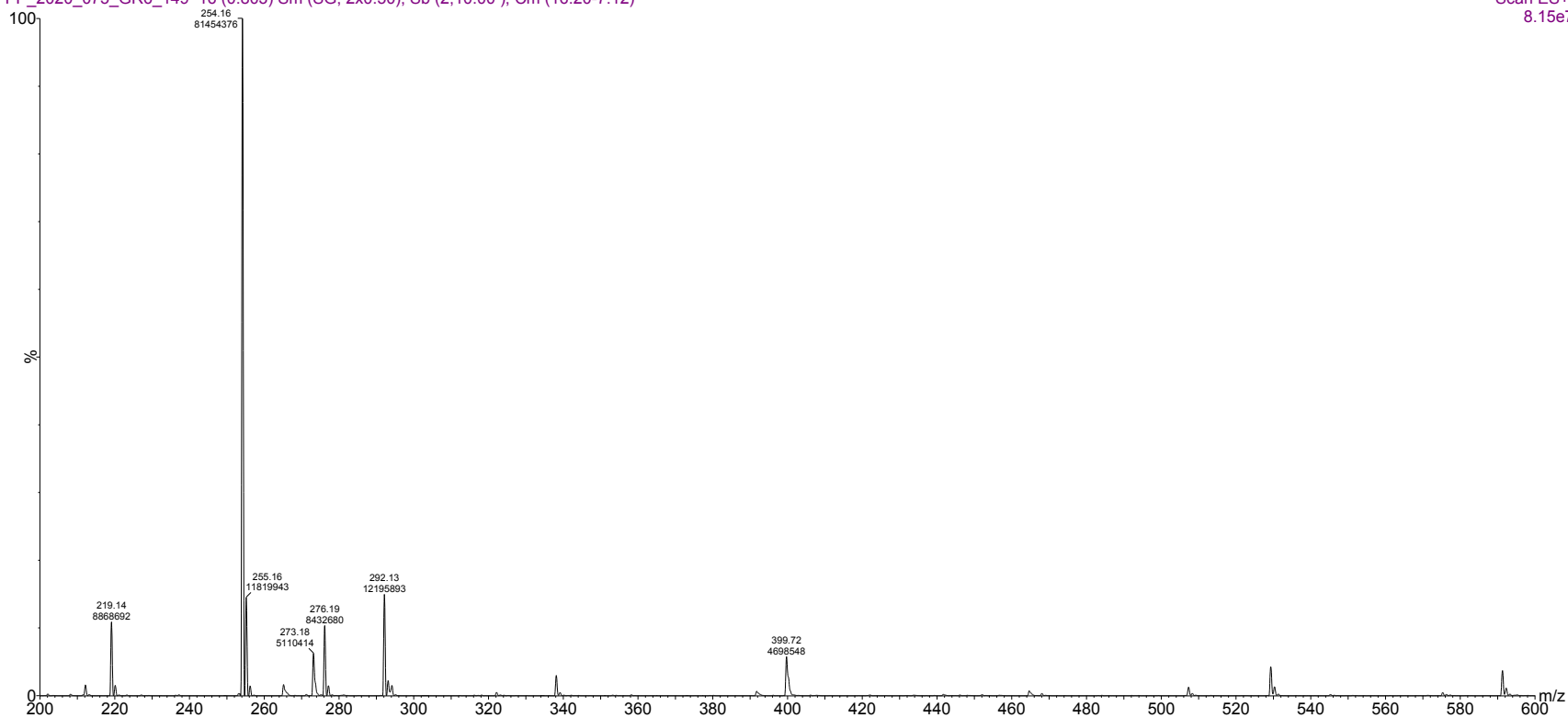
Viorica Rusu, QC/QA Manager

Lacosamide-D3
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-6-149



PP_2020_075_GR6_149 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:20-7:12)

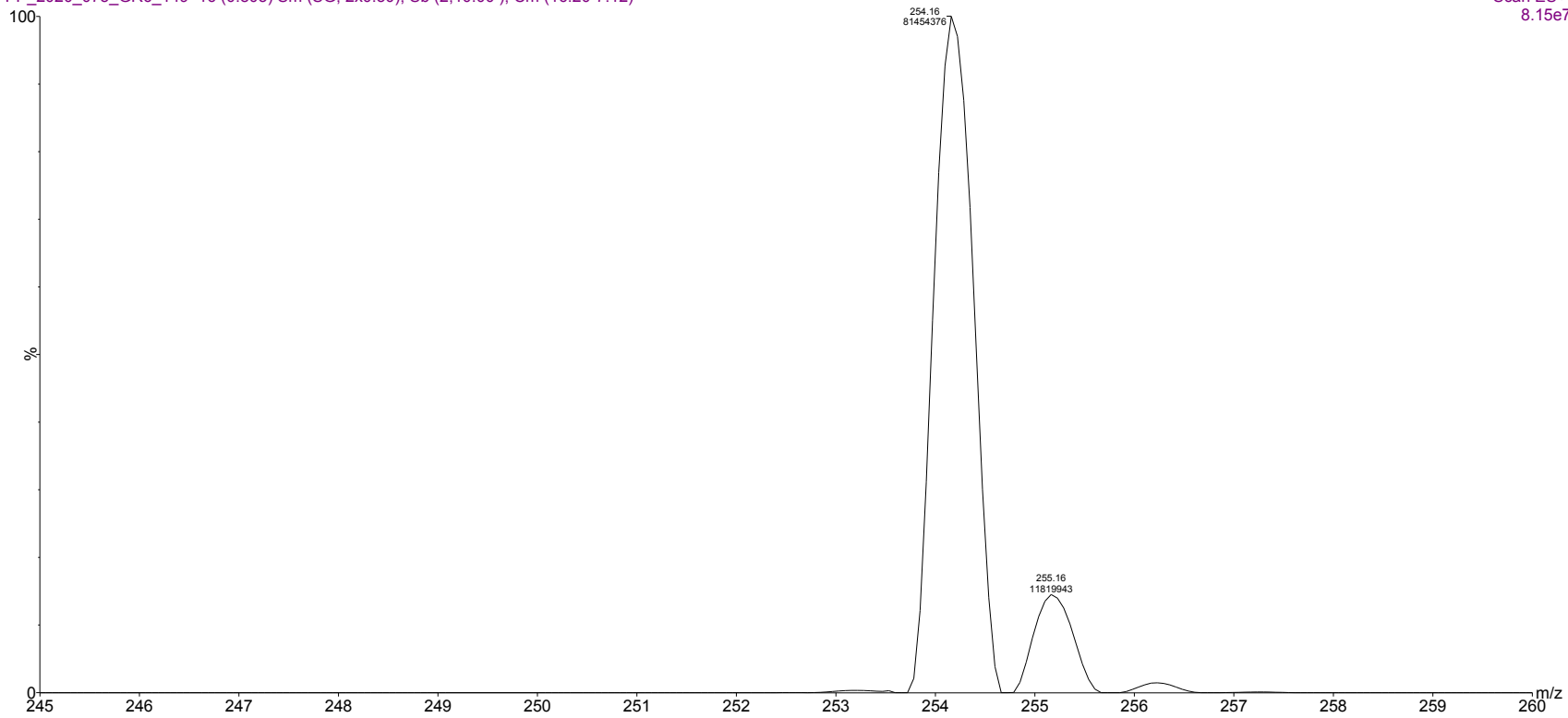
Scan ES+
8.15e7



Raw ESI-MS spectrum for sample GR-6-149. Shows monoisotopic [M+H]⁺ mass.

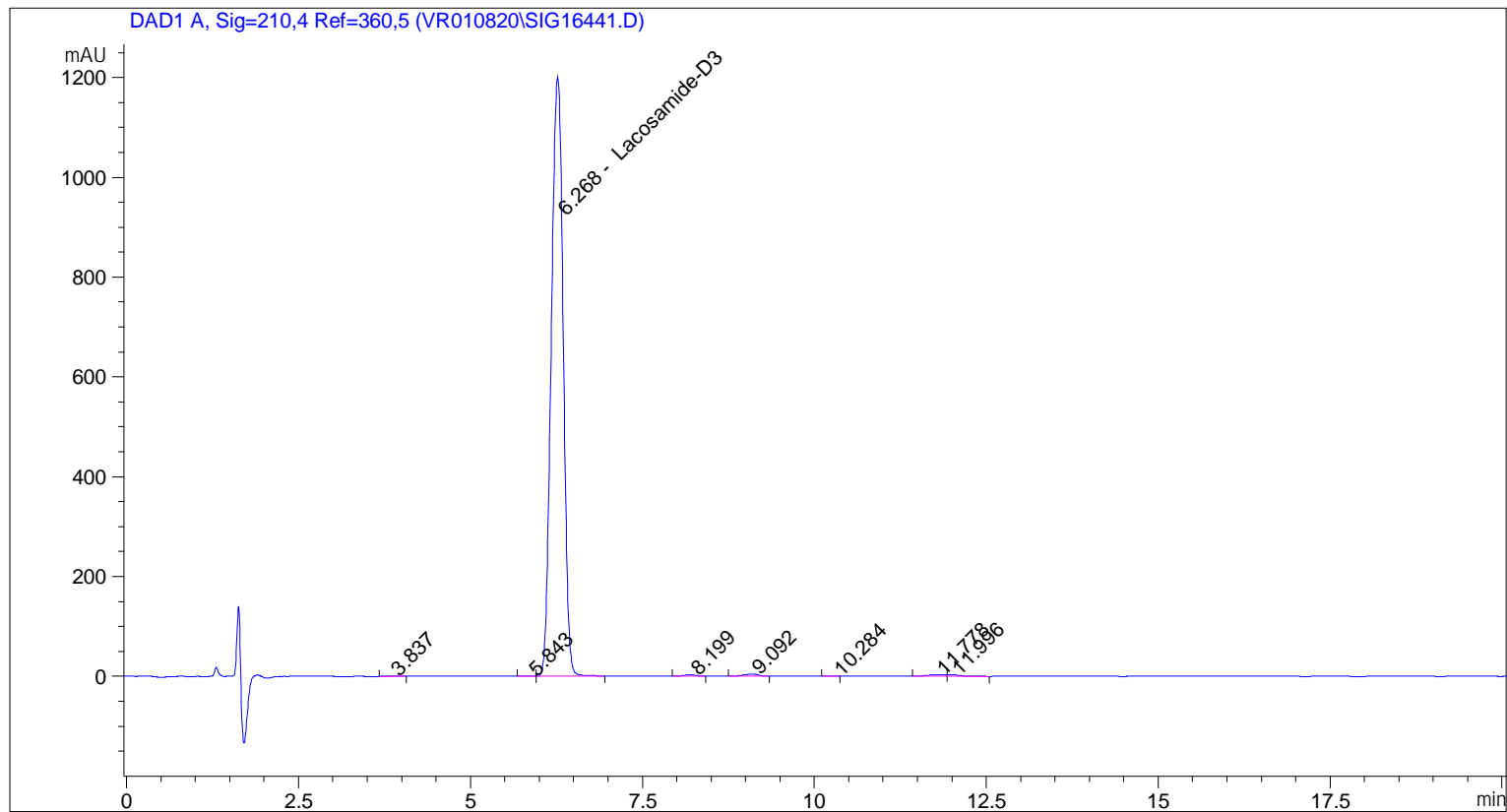
PP_2020_075_GR6_149 16 (0.803) Sm (SG, 2x0.50); Sb (2,10.00); Cm (16:20-7:12)

Scan ES+
8.15e7



Expansion of above, range 245 to 260 Da. Peak annotation shows m/z and intensity.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 19
Injection Date : 5/6/2020 12:45:42 PM Inj Volume : 10.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR050620_149.M
Last changed : 5/6/2020 12:44:33 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR050620_149PM.M
Last changed : 5/6/2020 1:10:43 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 5/6/2020 1:10:26 PM
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	3.837	BB	0.1491	10.29204	0.0701	?
2	5.843	BV	0.1242	5.44962	0.0371	?
3	6.268	VB	0.1945	1.44703e4	98.5456	Lacosamide-D3
4	8.199	BB	0.1807	35.17723	0.2396	?
5	9.092	BB	0.2103	62.89122	0.4283	?
6	10.284	BB	0.1258	3.59957	0.0245	?
7	11.778	BV	0.2181	55.95648	0.3811	?
8	11.996	VB	0.1791	40.20183	0.2738	?

Sample Name: GR-6-149

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				1.46838e4		

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*** End of Report ***