

Name:	Clonidine-D4
Lot#:	GR-16-143
Test Date:	09/16/2021 (re-test date: 09/16/2026)
CAS No.:	62497-68-1
MF:	C ₉ H ₅ D ₄ Cl ₂ N ₃
MW:	234.12
Appearance:	White solid
Purity:	100% by HPLC (average of two sample preparations); 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 234.56, 236.56, 238.56 [M+H] ⁺), shows the expected pattern for the dichloro-substituted compounds
Storage	Store at -18°C in a dry place away from direct sunlight

Approved by:

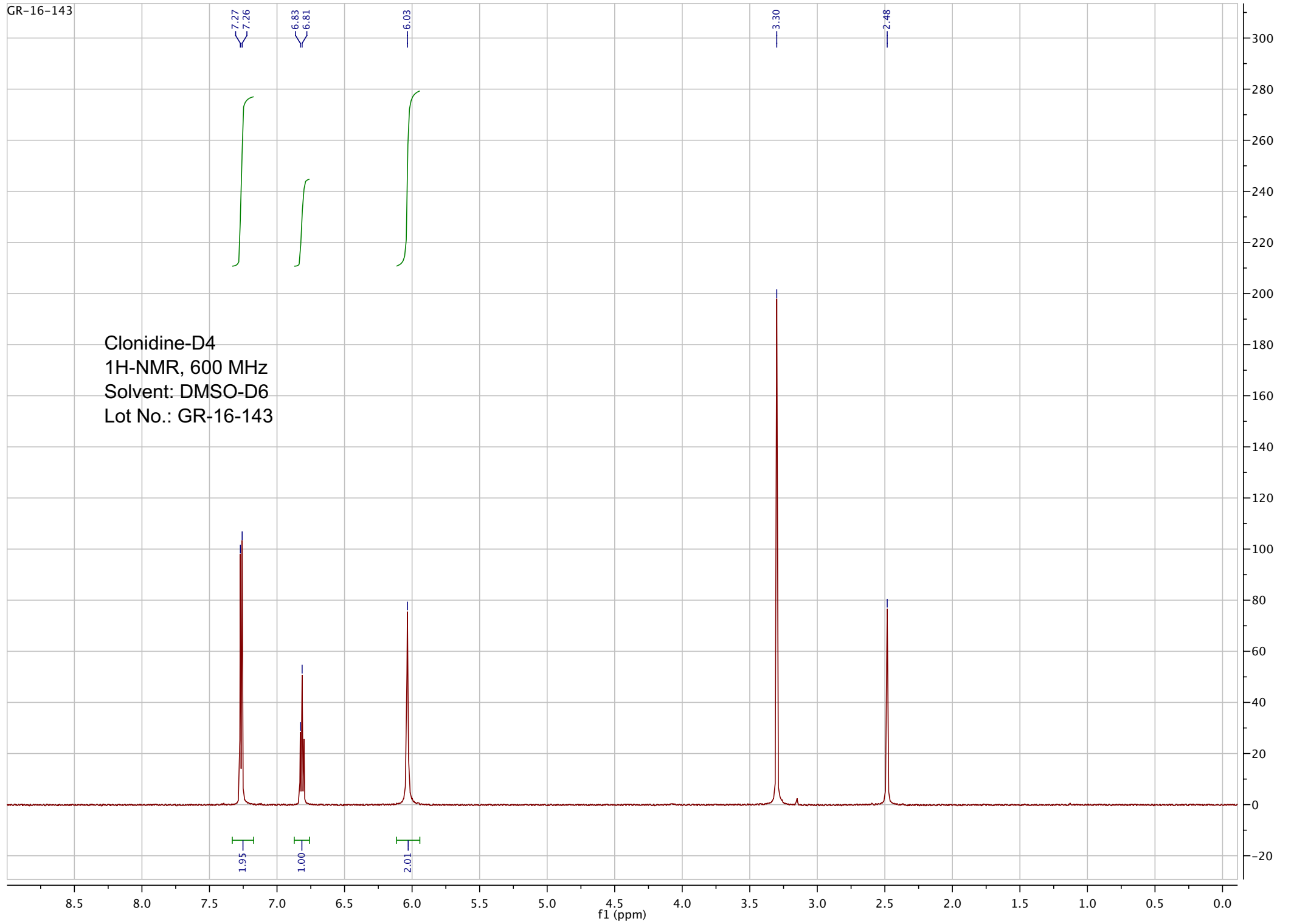
Date: 10/05/2021



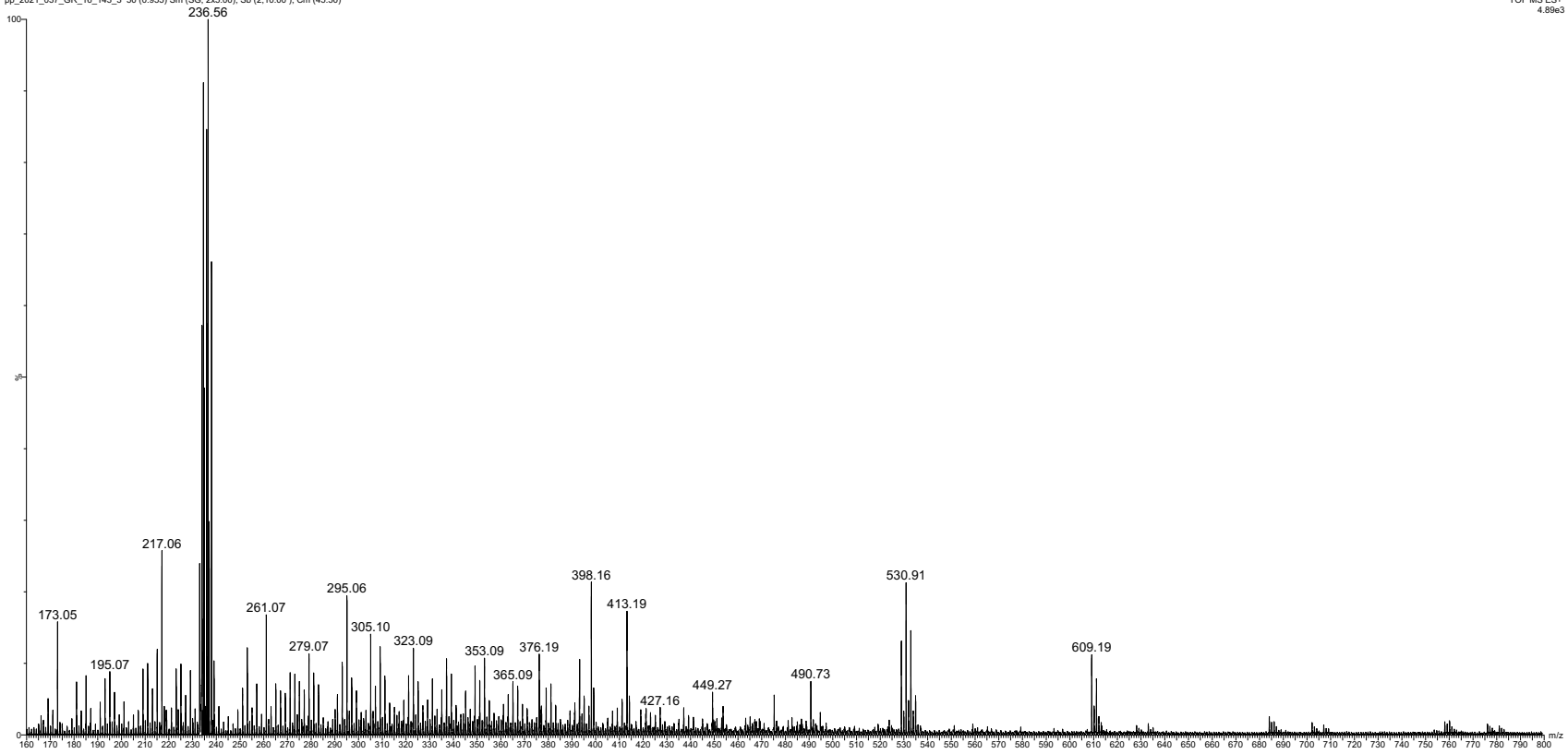
Viorica Rusu, QC/QA Manager

GR-16-143

Clonidine-D4
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-16-143

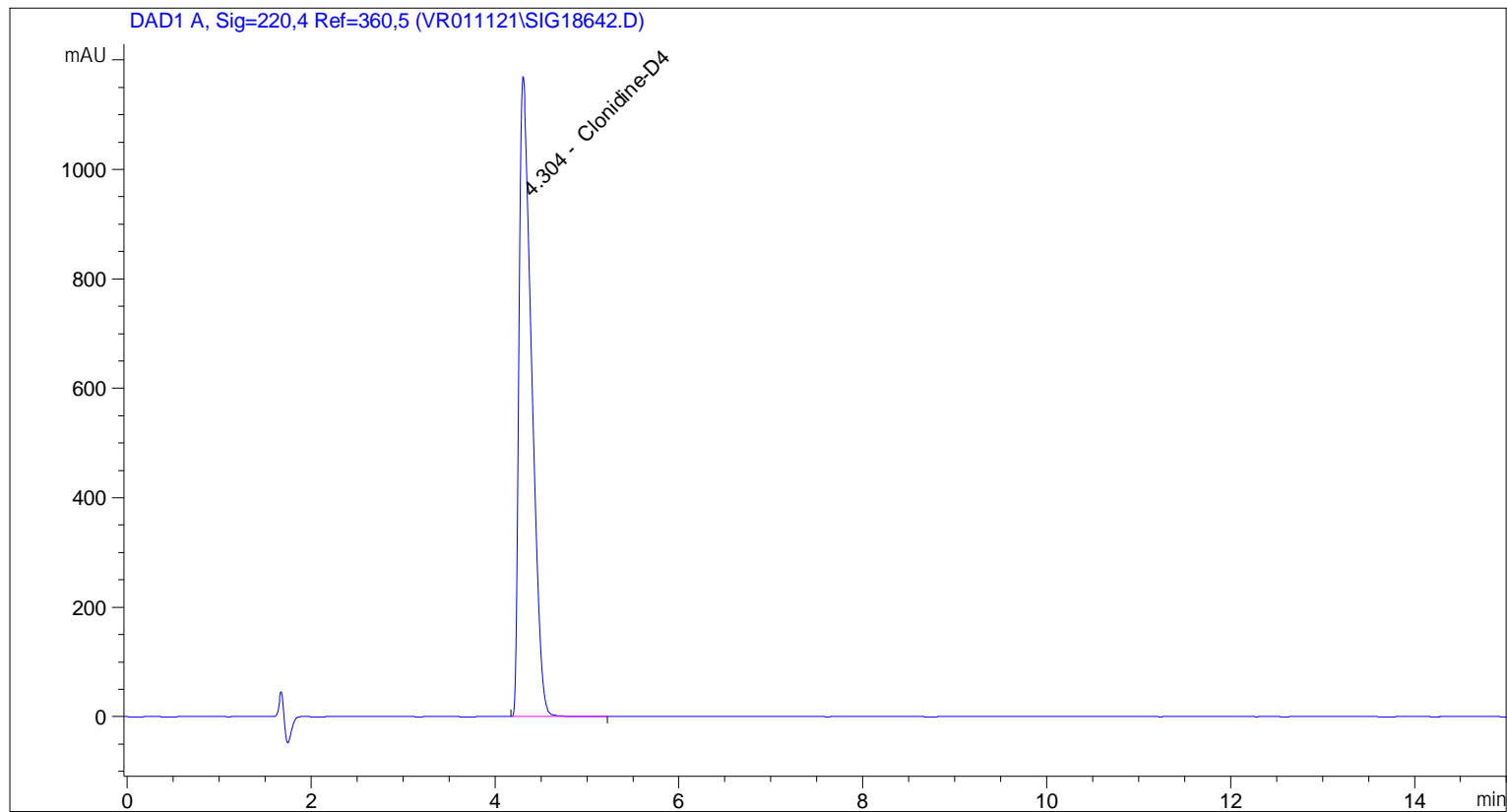


pp_2021_037_GR_16_143_3 50 (0.955) Sm (5G, 2x5.00); Sb (2,10.00); Cm (45:50)



ESI-MS spectrum for sample GR-16-143. Shows monoisotopic $[M+H]^+$ mass.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 29
Injection Date : 9/16/2021 9:23:31 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR091621_143.M
Last changed : 9/16/2021 9:22:36 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR_091621_143PM.M
Last changed : 9/16/2021 1:08:56 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 9/16/2021 1:08:35 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

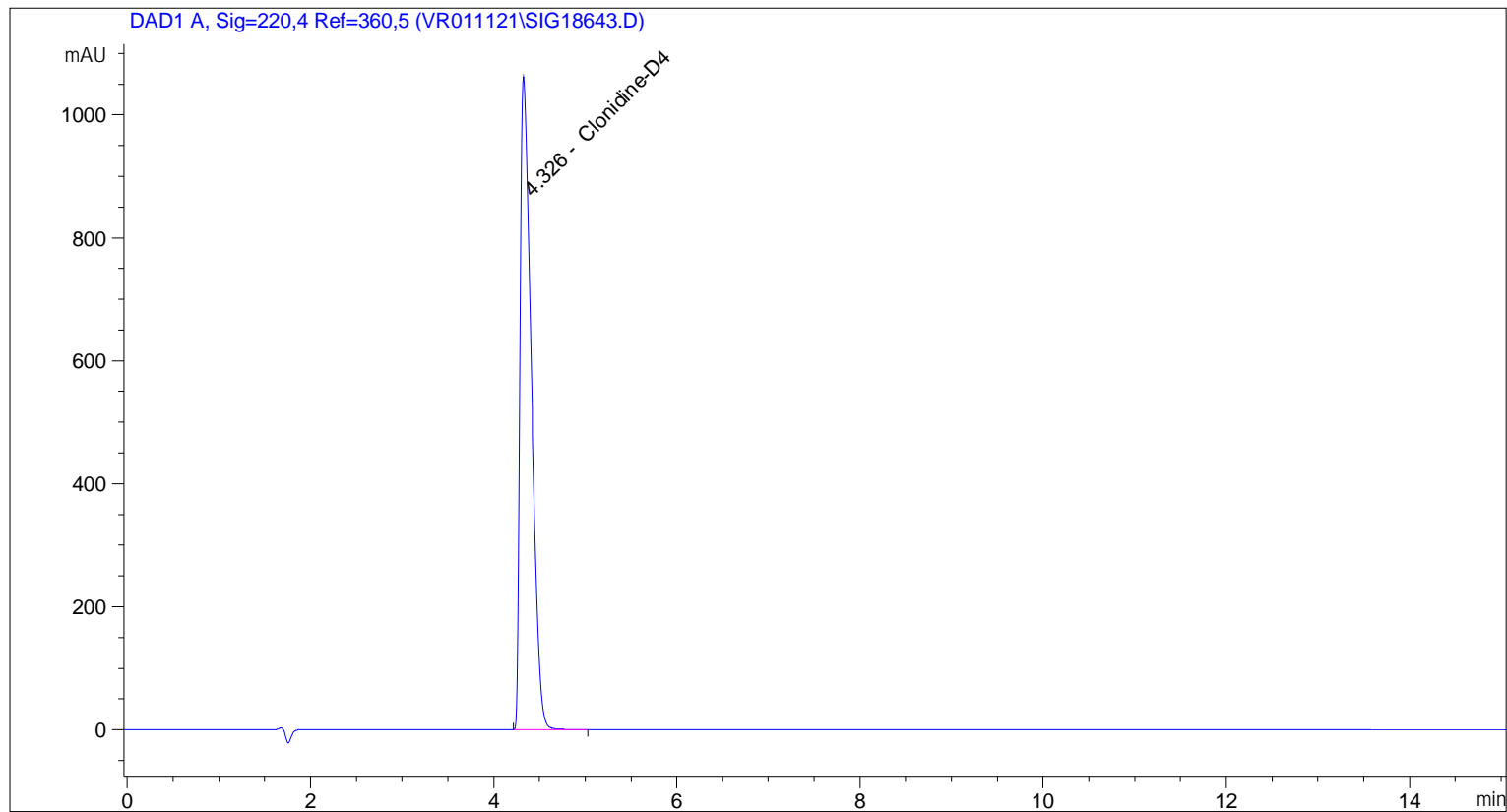
Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.304	BB	0.1527	1.13050e4	100.0000	Clonidine-D4

Totals : 1.13050e4

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*** End of Report ***

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 30
Injection Date : 9/16/2021 9:40:21 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR091621_143.M
Last changed : 9/16/2021 9:39:19 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR_091621_143PM.M
Last changed : 9/16/2021 1:08:56 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 9/16/2021 1:08:35 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.326	BB	0.1305	8959.90625	100.0000	Clonidine-D4

Totals : 8959.90625

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*** End of Report ***