

Name:	Clonidine-D4 Hydrochloride
Lot#:	GR-9-209
Test Date:	01/06/2017 (re-test date: 01/06/2022)
CAS No.:	67151-02-4
MF:	C ₉ H ₆ D ₄ Cl ₃ N ₃
MW:	270.58
Appearance:	White solid
Purity:	98.8% HPLC; 99% atom D
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 234.72, 236.72, 238.73 [M _(free base) +H] ⁺), shows the pattern of the dichloro-substituted compound

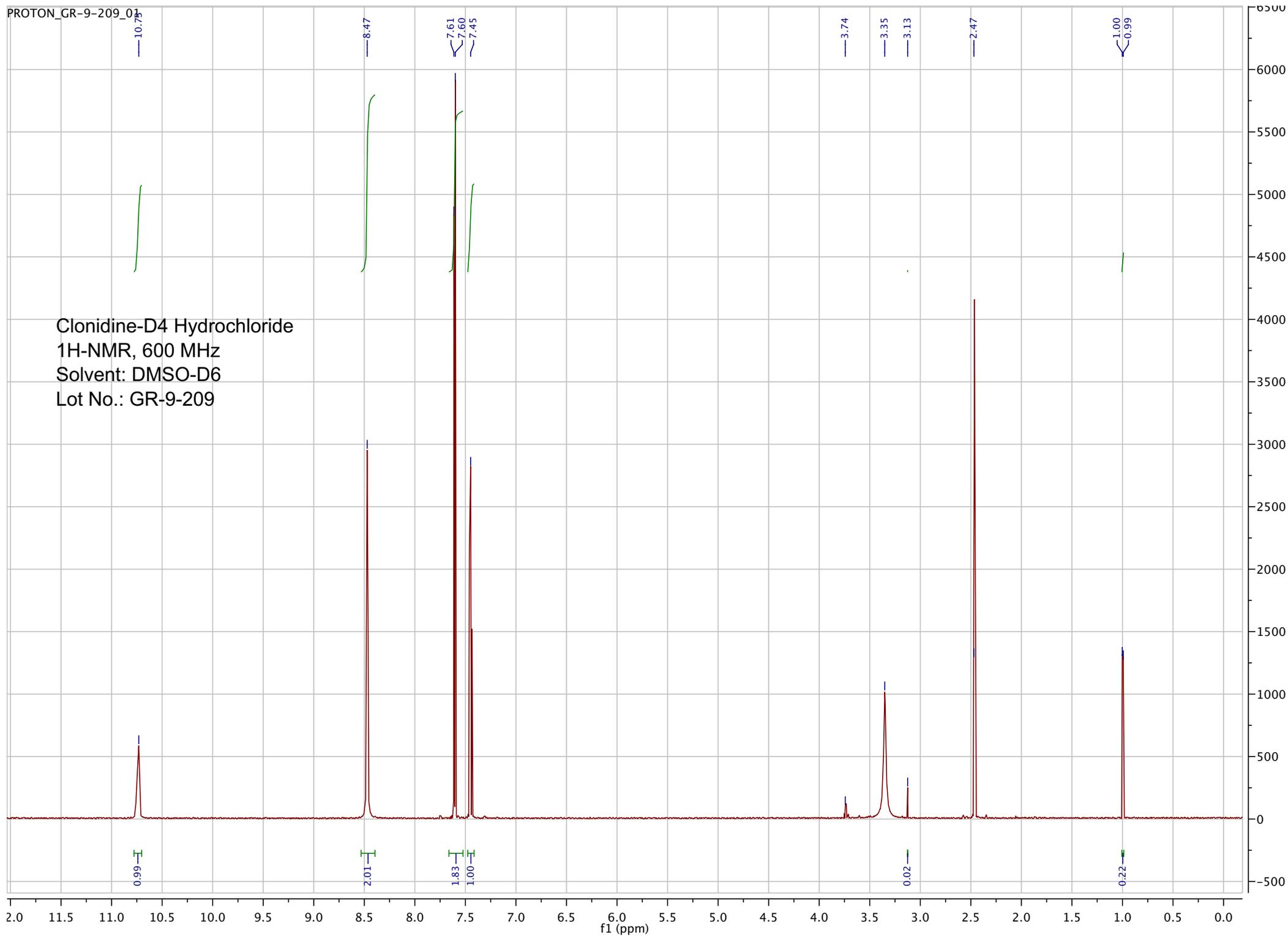
Approved by:

Date: 01/06/2017



Viorica Rusu, QC/QA Manager

Clonidine-D4 Hydrochloride
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-209

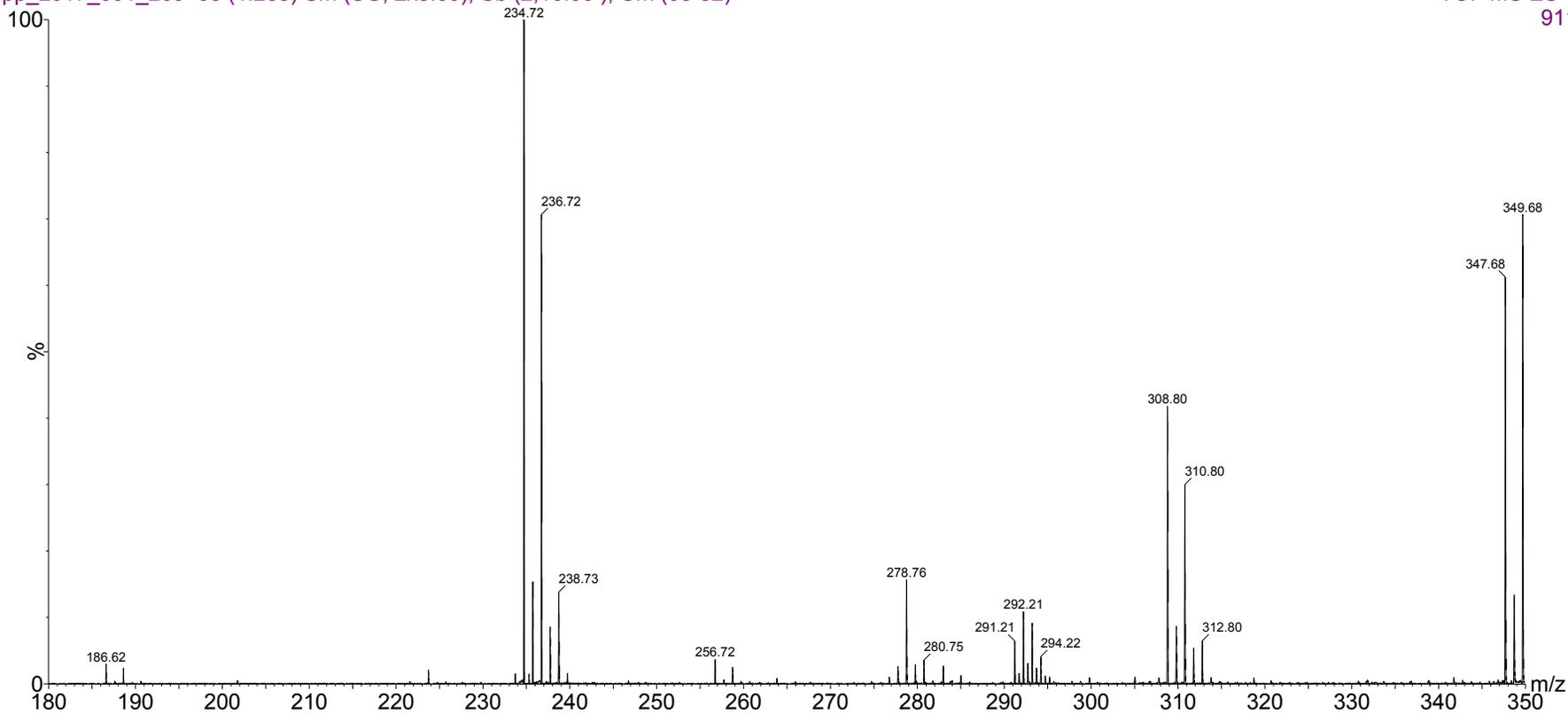


14:39:27, 06-Jan-2017

TOF MS ES+

911

pp_2017_001_209 68 (1.288) Sm (SG, 2x5.00); Sb (2,10.00); Cm (68-52)



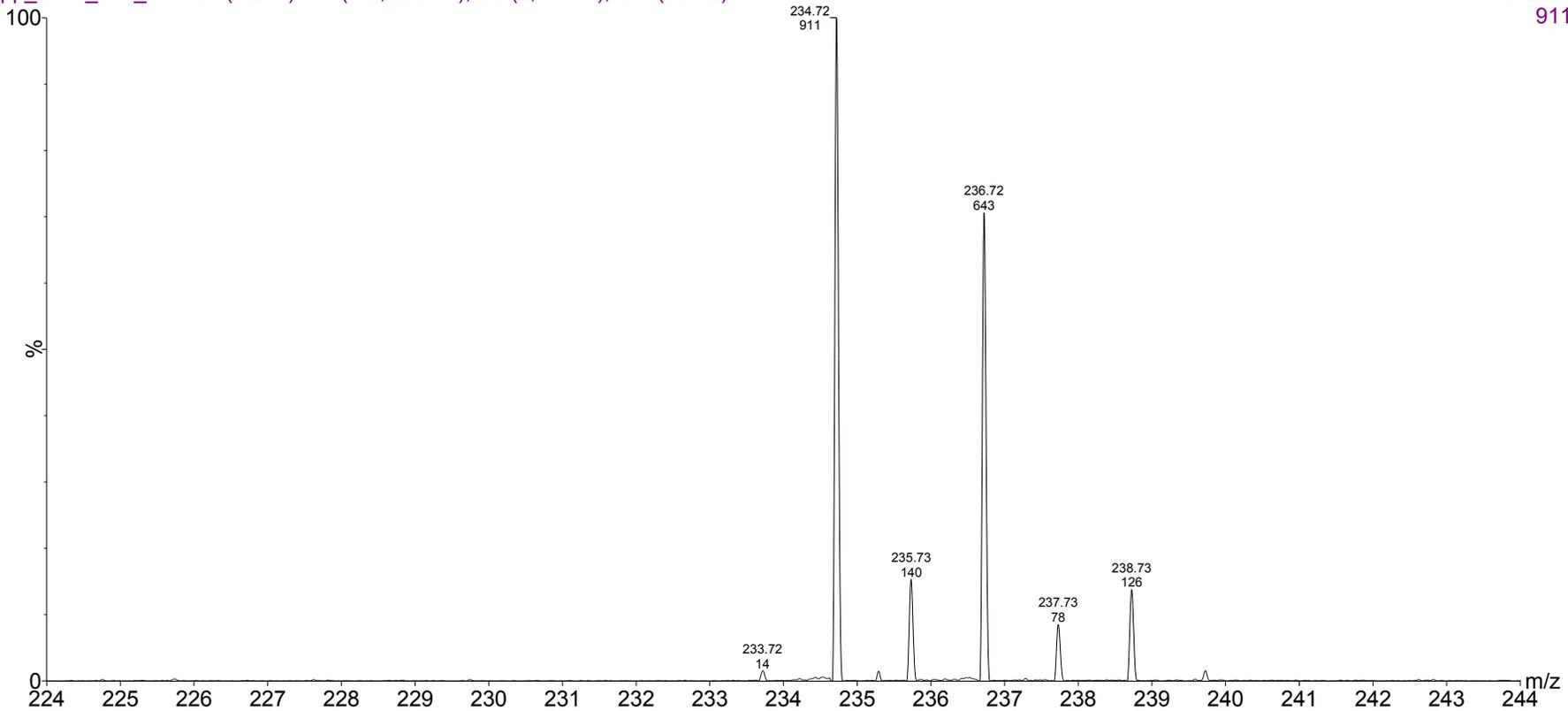
Raw ESI-MS spectrum for sample GR-9-209. Shows monoisotopic $[M+H]^+$ mass

14:39:27, 06-Jan-2017

TOF MS ES+

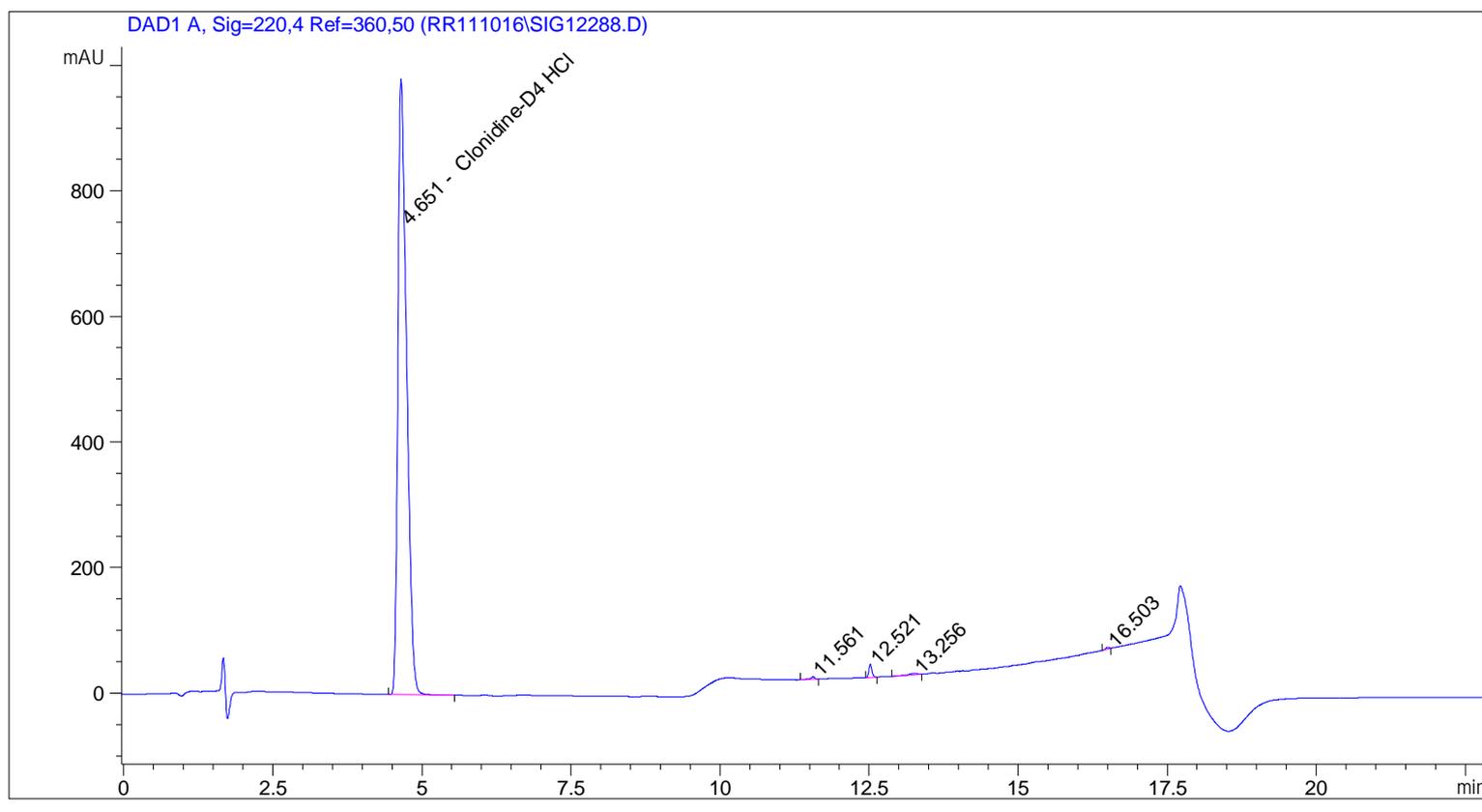
911

pp_2017_001_209 68 (1.288) Sm (SG, 2x5.00); Sb (2,10.00); Cm (68-52)



Expansion of above with intensity labels

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 18
Injection Date : 12/23/2016 9:09:45 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR12236_209.M
Last changed : 12/23/2016 9:25:30 AM by vrusu
(modified after loading)
Analysis Method : C:\CHEM32\1\METHODS\VR122316_209PM.M
Last changed : 12/23/2016 9:34:38 AM by vrusu
Sample Info : Zorbax Exlipse XDB C18, 4.6x150mm, 3.5µ



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 12/23/2016 9:34:02 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.651	BB	0.1539	9916.44531	98.7572	Clonidine-D4 HCl
2	11.561	BB	0.0691	19.56008	0.1948	?
3	12.521	BB	0.0544	72.71396	0.7242	?
4	13.256	BB	0.1353	21.69671	0.2161	?

Sample Name: GR-9-209

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
5	16.503	BB	0.0638	10.82123	0.1078	?

Totals : 1.00412e4

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*** End of Report ***