TEST REPORT

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RT40-20260915S6664

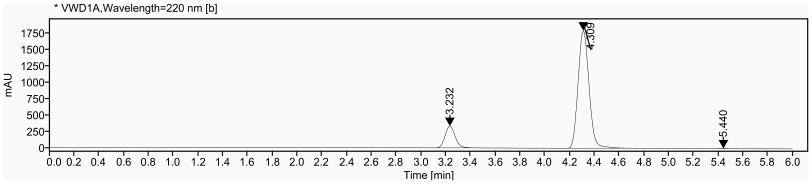
Sample Received: 2026-09-15

Authentication Code:

Analysis date: 2026-09-15

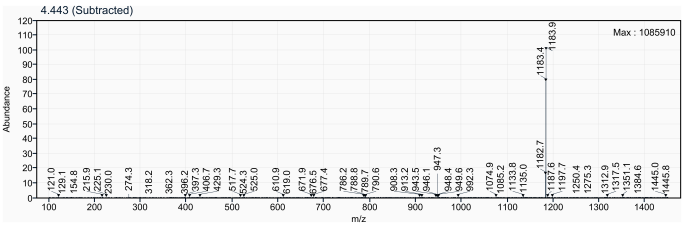
Compound	RT40/Retatrutide	CAS Number	2381089-83-2
Formula	$C_{221}H_{342}N_{46}O_{68}$	Molecular Weight	4731.41
Manufacturer	Relaxed Deep Peptide		

HPLC-MS Details:



Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.232	MM m	0.3791	1881.6504	335.4129	14.5271
4.309	MM m	0.5551	11056.6456	1809.6056	85.3620
5.440	MM m	0.1534	14.3660	3.2958	0.1109
		Sum	**12952.6621**		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.87%(Excluding benzyl alcohol purity)
Mass Spectrum	Conforms to $[M+4H]^{4+}$	Detected
Endotoxin	0.269 EU/vial	
Net Content	41.03 mg	

Peng Gao, Data Compilation Zhibo Li, Technical Review

重要声明 / Important Notice

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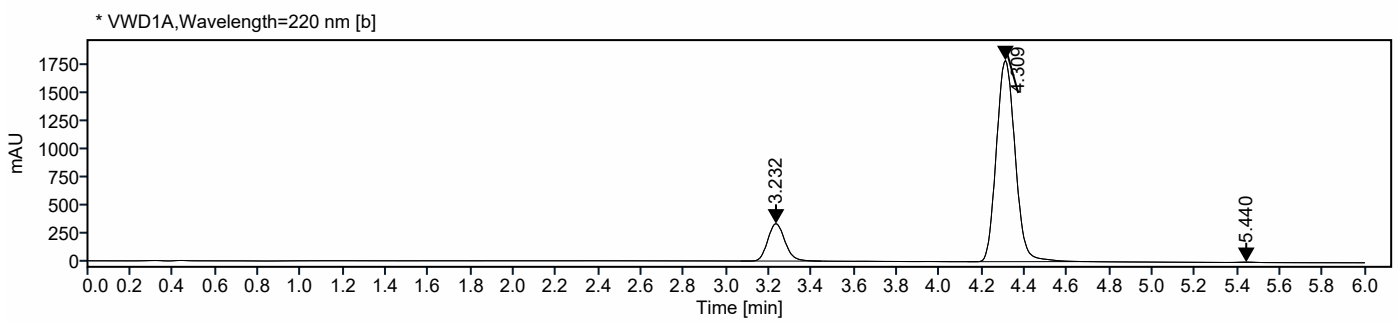
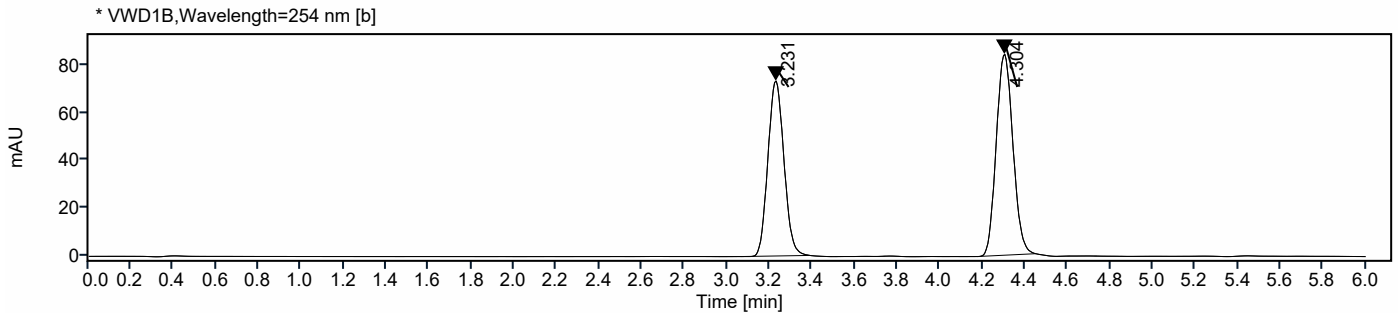
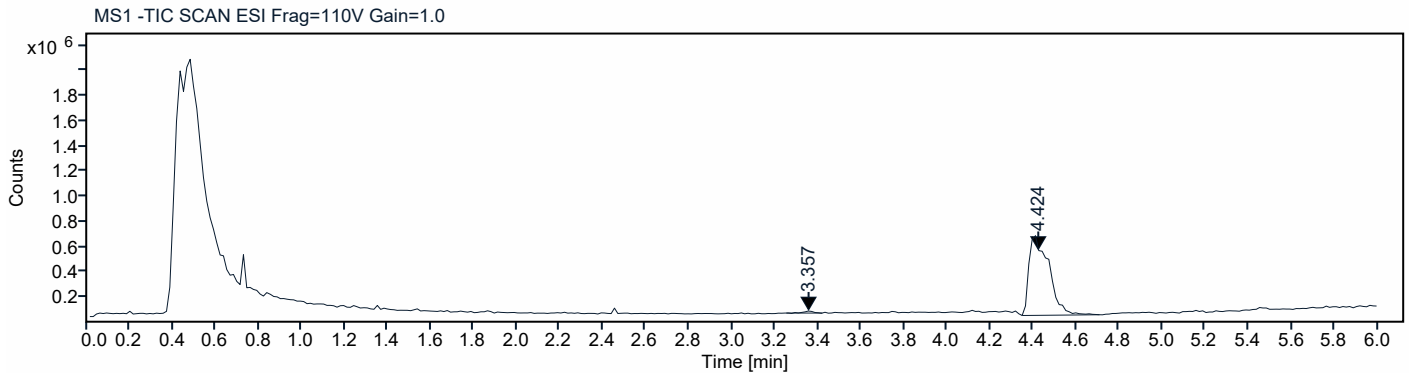
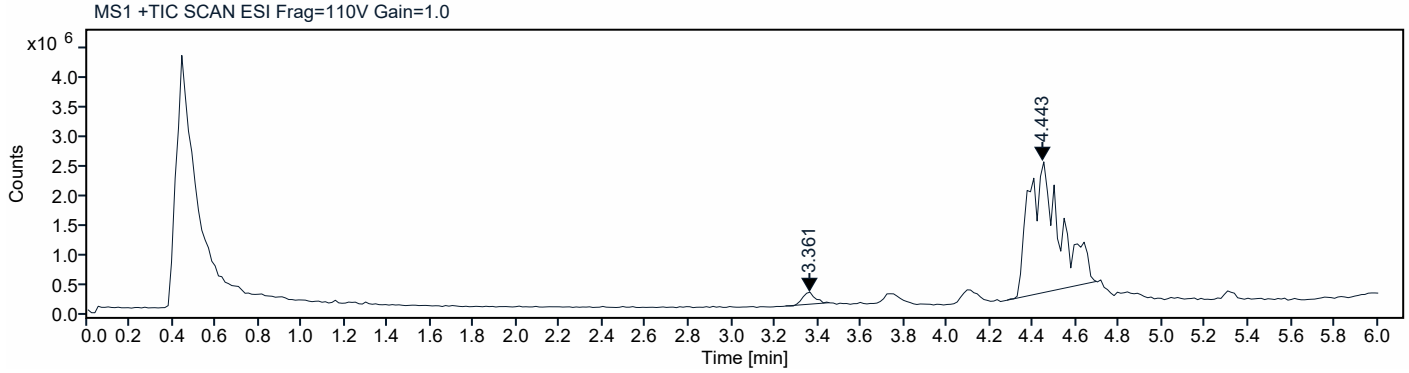
LCMS Sample Purity - Detailed Report

Result set name:	SingleSample		
Data file:	RT40.dx	**Project name:**	2026
Sample name:	RT40	**Operator:**	admin
Instrument:	LCMS	**Acquired on:**	2026-09-15 16:41:46+08:00
Inj. volume:	5.000 µL	**Location:**	P1-D2
Acq. method:	LCMS-02AB.amx		
Processing method:	LCMS-LJJ.pmx		









Signal: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
3.361	MM m	0.2032	800622.7137	203092.2246	3.4247
4.443	MM m	0.4153	22577243.1997	2213392.3449	96.5753
		Sum	**23377865.9134**		

Signal: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
3.357	MM m	0.1666	47804.7509	16007.8220	1.1673
4.424	BB	0.3588	4047568.7263	514249.6680	98.8327
		Sum	**4095373.4772**		

Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.232	MM m	0.3791	1881.6504	335.4129	14.5271
4.309	MM m	0.5551	11056.6456	1809.6056	85.3620
5.440	MM m	0.1534	14.3660	3.2958	0.1109
		Sum	**12952.6621**		

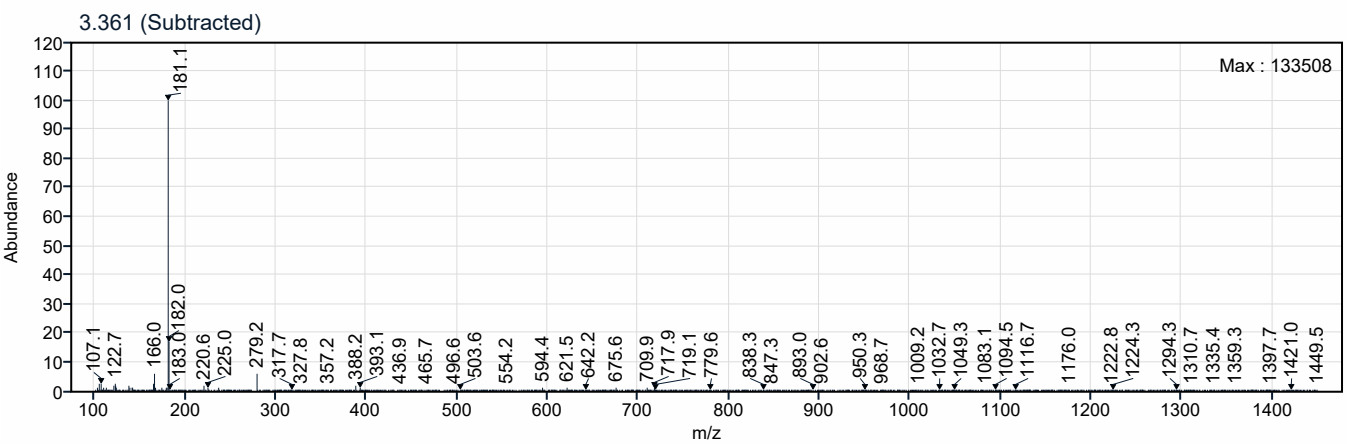
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.231	MM m	0.3249	381.8871	73.2029	45.5241
4.304	MM m	0.2753	456.9811	84.0977	54.4759
		Sum	**838.8681**		

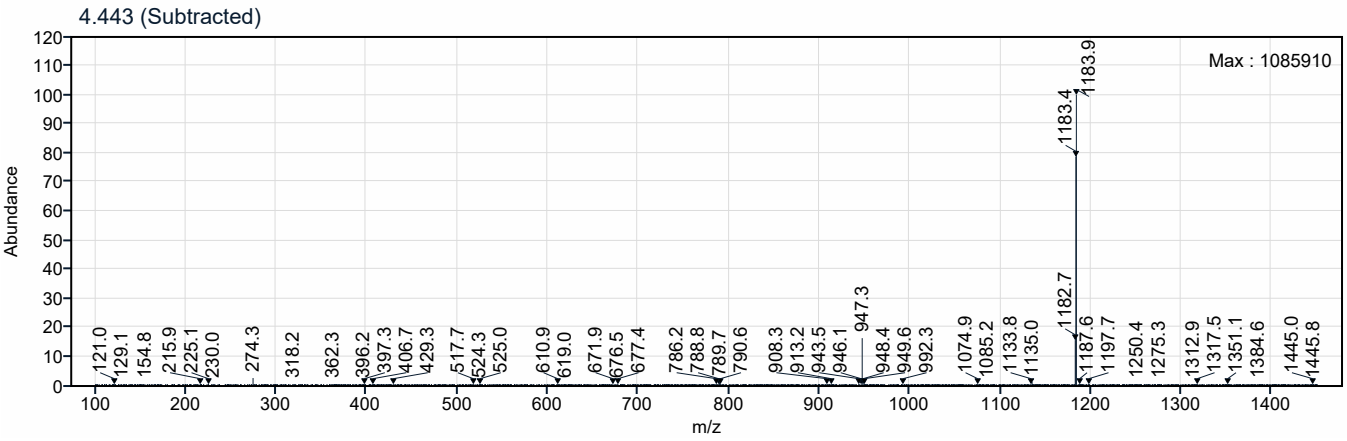
Peak Details (Area Percent at least 1%)

Signal Description: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 3.361 min **Area %:** 3.42%

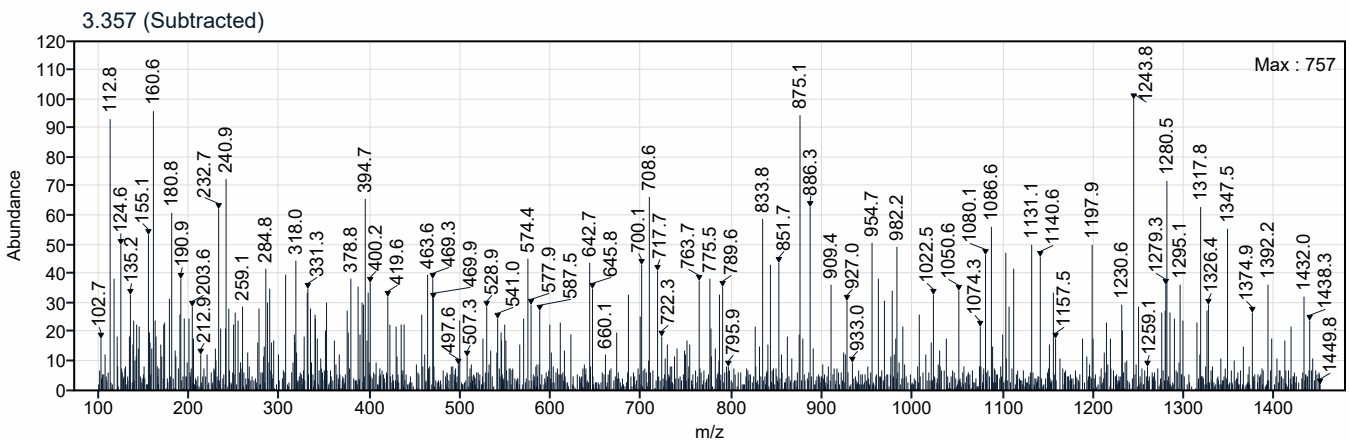


Peak RT: 4.443 min **Area %:** 96.58%



Signal Description: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 3.357 min **Area %:** 1.17%



Peak RT: 4.424 min **Area %:** 98.83%

