

Certificate of Analysis



Verification Key: FLEX0CVLRXRE

PEPTIDE TEST



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Fast, Clear, Reliable Results
For Informed Decisions
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Compound:	BPC-157	Analysis Date:	10-Oct-2024
CAS:	137525-51-0	Client:	wtgwd
Manufacturer:	Nexaph		
Client Sample ID:	neon green cap, purple crimp		
Lot:	BPC 10mg 1 vial	Test Reference:	2410010
Photo of Sample:			

Sample Testing	Test Method	Range / Cutoff	Result
Sample Mass (mg)	TM-1003	N/A	12.90mg
Compound Purity	TM-1003	N/A	99.067%
Identification by Retention Time	TM-1003	0.98 - 1.02	1.00
Identification by UV Spectral Comparison to Reference Standard	TM-1003	≥ 950	1000

- Sample Mass: This is the amount of the compound in the vial we tested determined by HPLC analysis.
- Compound Purity: This is purity of the sample, calculated including peaks around the compound that may be impurities.
- Identification by Retention Time: This is an identification test in which the retention time of the sample is compared to the average retention time of five reference standard injections.
- Identification by UV Spectral Comparison to Reference Standard: This is an identification test in which the UV spectrum of the sample is compared to the UV spectrum of the standard.

Certificate of Analysis

Testing System Suitability	Test Method	Acceptance Criteria	Result
HPLC Control Value	TM-1003	Standard Bracket Area RSD \leq 2.0%	1.5%
Coelution Control Value	TM-1003	> 950	999

- HPLC Control Value: This value shows that the HPLC system was running properly throughout your testing. The %RSD of the standard injections performed before your sample and the standard injection performed after your sample is calculated to ensure there were no system errors during your run. Although system errors such as leaks, a line running dry, air bubbles, etc. are rare, it's important that we demonstrate no errors occurred during analysis.
- Coelution Control Value: **NOTE:** This value is not purity of the compound - the peak is pure compound as it was separated out by the HPLC. This value demonstrates that there is no co-elution occurring during analysis. We receive samples from a multitude of manufacturers and each has their own recipe (stabilizers, solubilizers, fillers, etc) in their process. This measurement ensures that none of these other components interfere with the analysis. In short, this number confirms that the method is working properly and only analyzing the target compound.

Important Analytical Information Notice

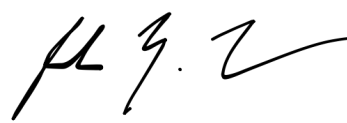
The analytical results detailed herein pertain solely to the presence of the specified compounds in the samples as submitted. These results are generated by our independent partner laboratory. It is acknowledged that all prepared lyophilized peptide products and any other tested material may include stabilizers, solubilizers, fillers, and other excipients and ingredients, which are not tested for unless explicitly noted in the testing agreement and this Certificate of Analysis (COA). The results provided do not imply suitability for any specific use or purpose, and testing is limited to the listed compounds unless noted herein. Clients and other users are advised that the responsibility for determining the applicability of these results for any use rests entirely with them. It is imperative that any users of this information consult with a physician prior to using any peptide or other compound. Peptides or other compounds sold for "research purposes" may not be suitable for human use. Any liability for the provided analytical results is confined to the procedural adherence of our partner laboratory to recognized professional standards during the testing process.

Created By:



Ashlee Lust 11-Oct-2024

Reviewed By:



Joshua Lust 11-Oct-2024

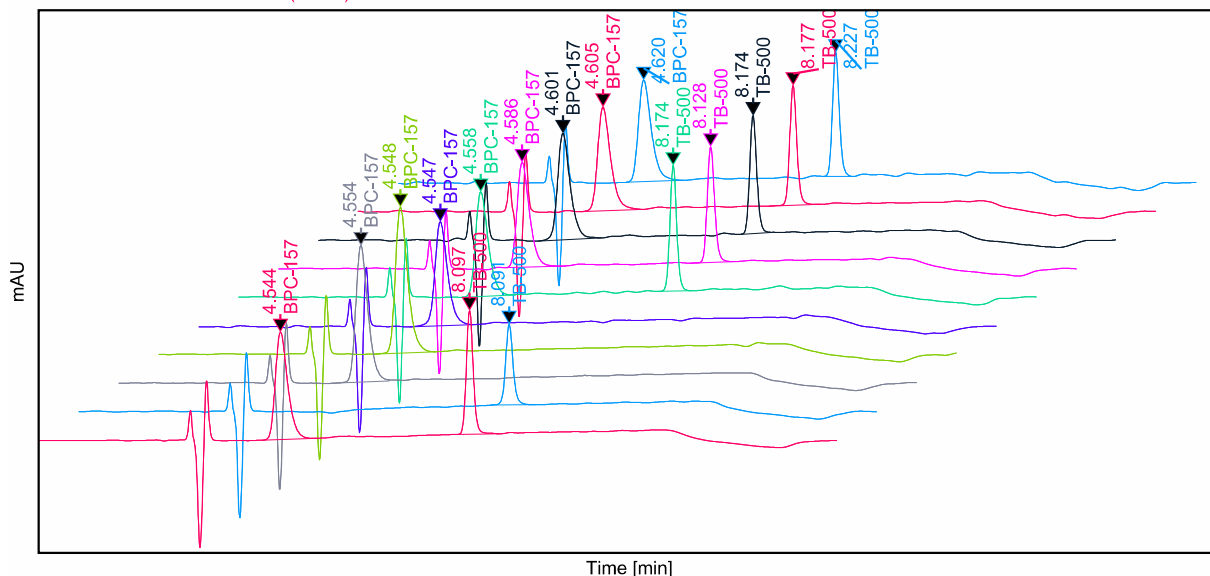
Sample Potency and ID Report



Sequence Name 1006_aml_101024a

Sequence Acquired Date 2024-10-10 12:02:28-04:00

TB500/BPC157 Standard - 1 TB500/BPC157 Standard - 2 TB500/BPC157 Standard - 3
 TB500/BPC157 Standard - 4 TB500/BPC157 Standard - 5 Sample ID 2410001
 Sample ID 2410010 Sample ID 2410014 Sample ID 2410002
 TB500/BPC157 Standard - 6 (SSC1)



Sample Name	Name	RT	Area	Amount	Unit	Sample Multipliers	UV Match Factor	Peak Purity
TB500/BPC157 Standard - 1	BPC-157	4.620	816.5	9.50	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 2	BPC-157	4.605	834.5	9.60	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 3	BPC-157	4.601	836.7	9.58	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 4	BPC-157	4.586	808.9	9.32	%	1;1;1;1;1	1000	1000
TB500/BPC157 Standard - 5	BPC-157	4.558	817.0	9.43	%	1;1;1;1;1	1000	999
Sample ID 2410001	BPC-157	4.547	822.6	94.99	%	10;1;1;1;1	999	999
Sample ID 2410010	BPC-157	4.548	1116.8	128.96	%	10;1;1;1;1	1000	999
Sample ID 2410014	BPC-157	4.554	1038.3	119.90	%	10;1;1;1;1	1000	999
TB500/BPC157 Standard - 6 (SSC1)	BPC-157	4.544	819.2	9.46	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 1	TB-500	8.227	522.2	9.40	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 2	TB-500	8.177	531.8	9.49	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 3	TB-500	8.174	515.2	9.26	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 4	TB-500	8.128	527.0	9.46	%	1;1;1;1;1	1000	999
TB500/BPC157 Standard - 5	TB-500	8.174	529.9	9.49	%	1;1;1;1;1	1000	999
Sample ID 2410002	TB-500	8.091	367.7	82.29	%	12.5;1;1;1;1	1000	998
TB500/BPC157 Standard - 6 (SSC1)	TB-500	8.097	530.2	9.49	%	1;1;1;1;1	1000	1000

Sample Potency and ID Report



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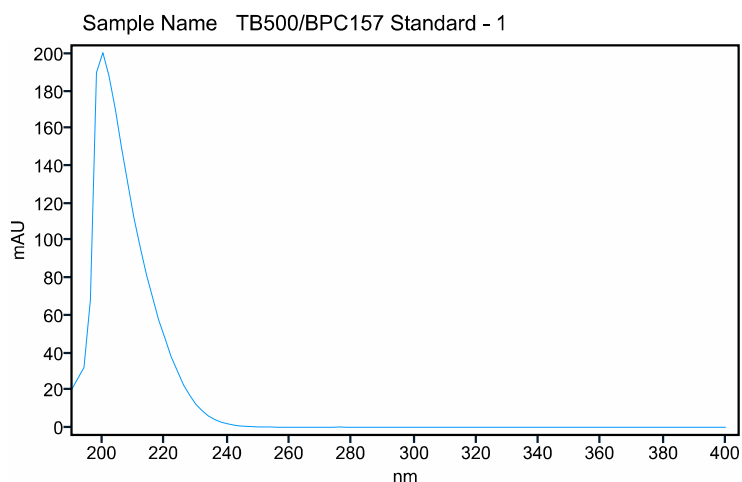
UV Match Spectra

RT:

4.62

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

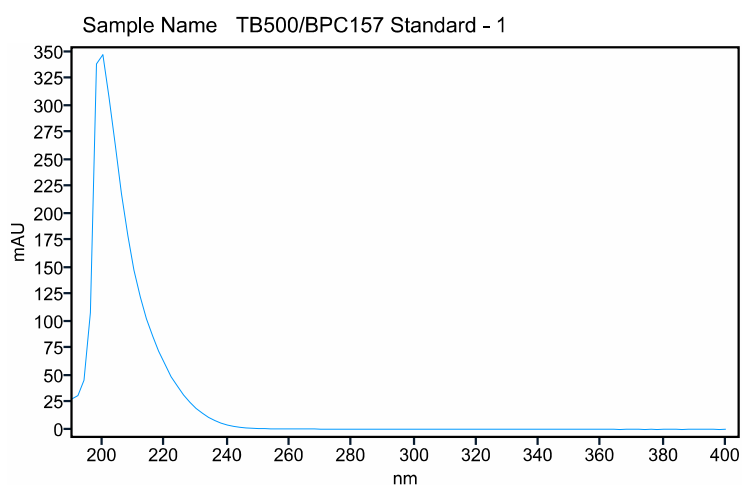
UV Match Spectra

RT:

8.227

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

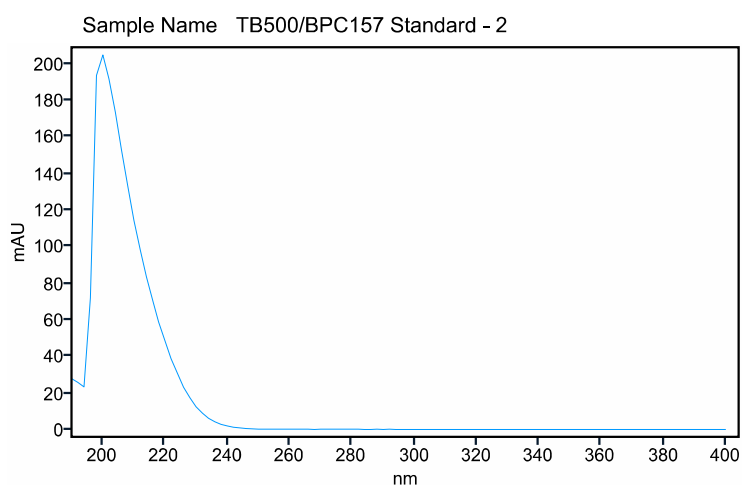
UV Match Spectra

RT:

4.605

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report



PEPTIDE TEST



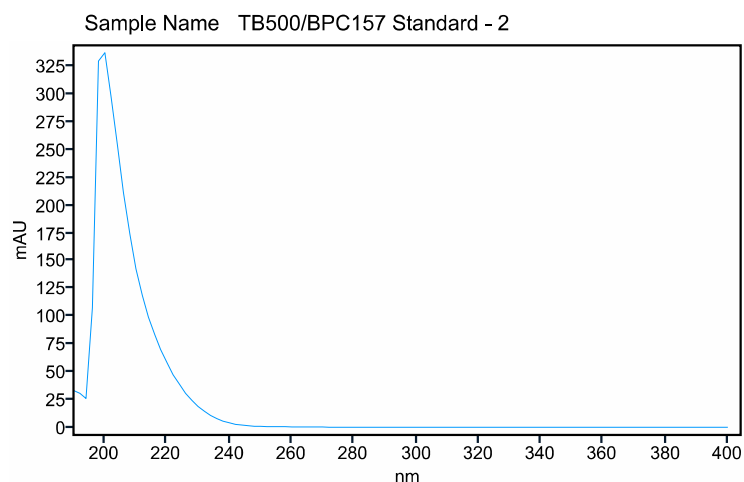
UV Match Spectra

RT:

8.177

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

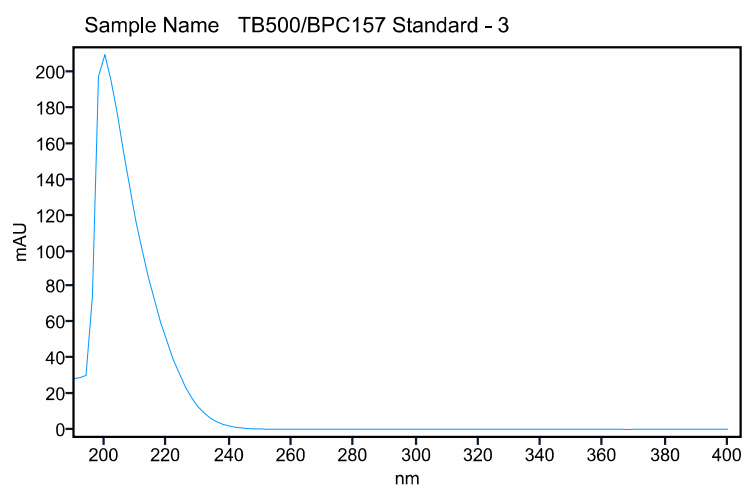
UV Match Spectra

RT:

4.601

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

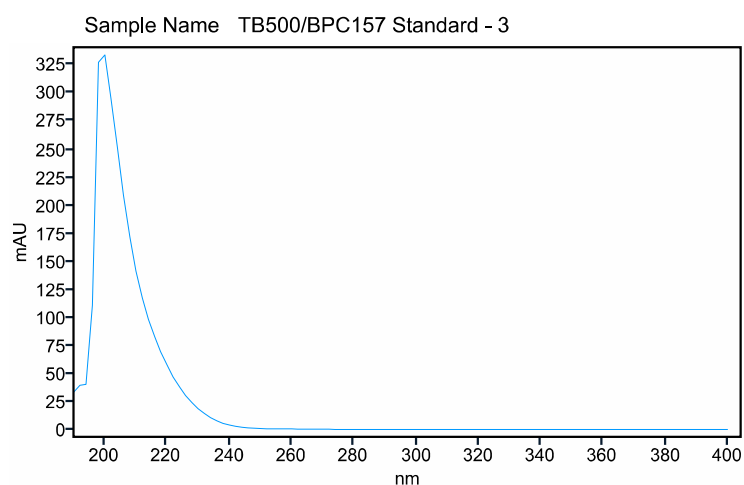
UV Match Spectra

RT:

8.174

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report



PEPTIDE TEST



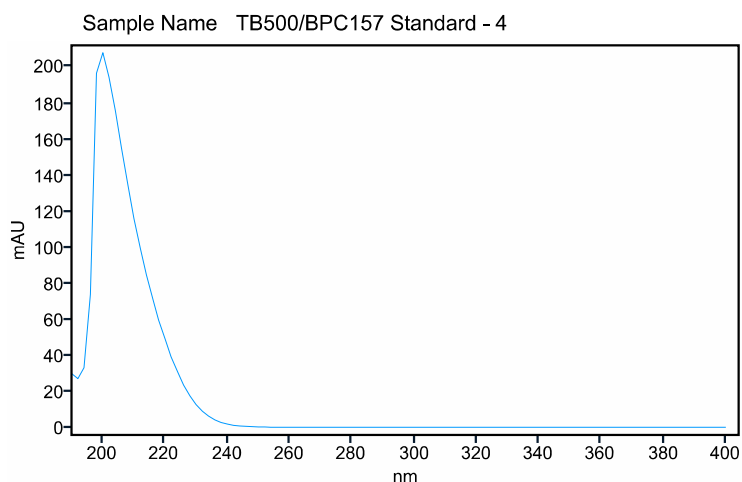
UV Match Spectra

RT:

4.586

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

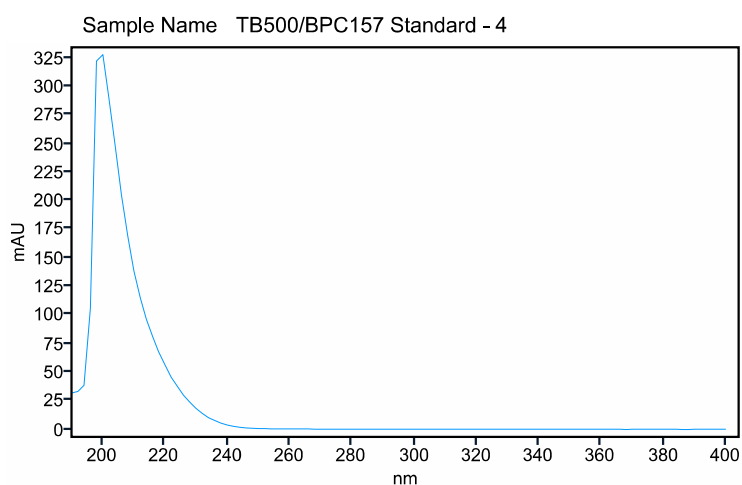
UV Match Spectra

RT:

8.128

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

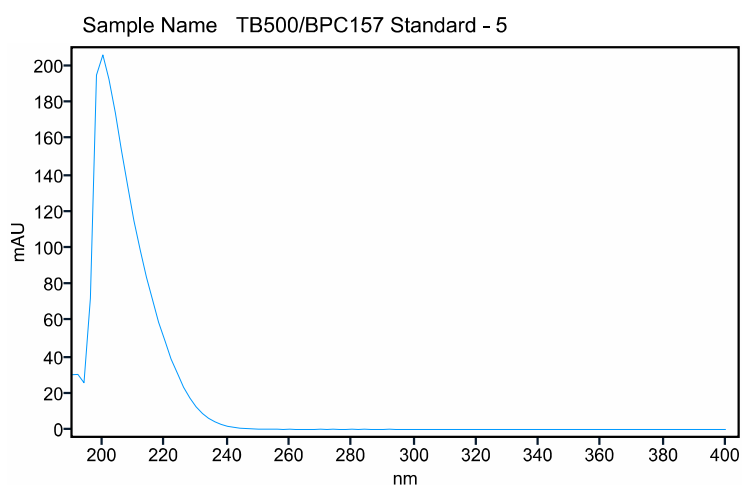
UV Match Spectra

RT:

4.558

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report



PEPTIDE TEST



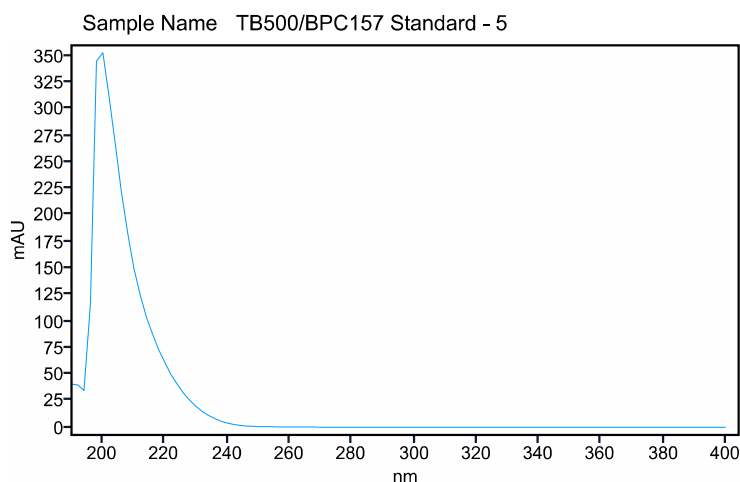
UV Match Spectra

RT:

8.174

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

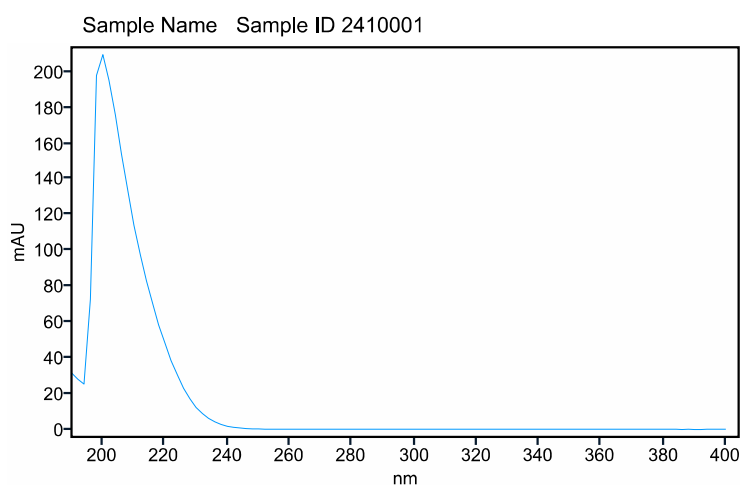
UV Match Spectra

RT:

4.547

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

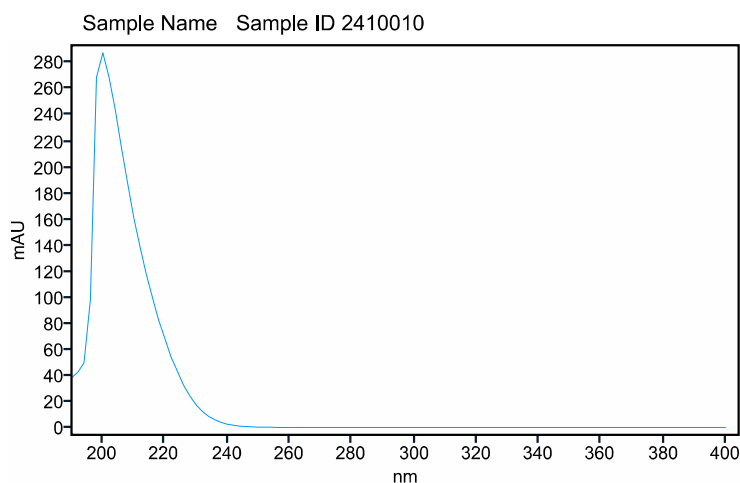
UV Match Spectra

RT:

4.548

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report



PEPTIDE TEST



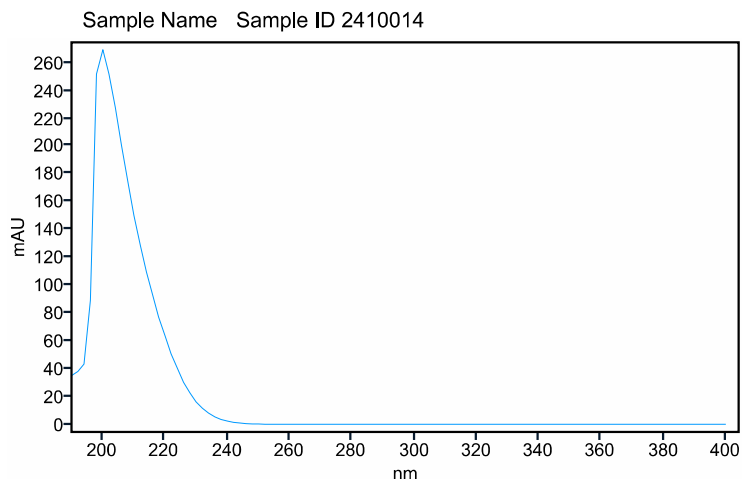
UV Match Spectra

RT:

4.554

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

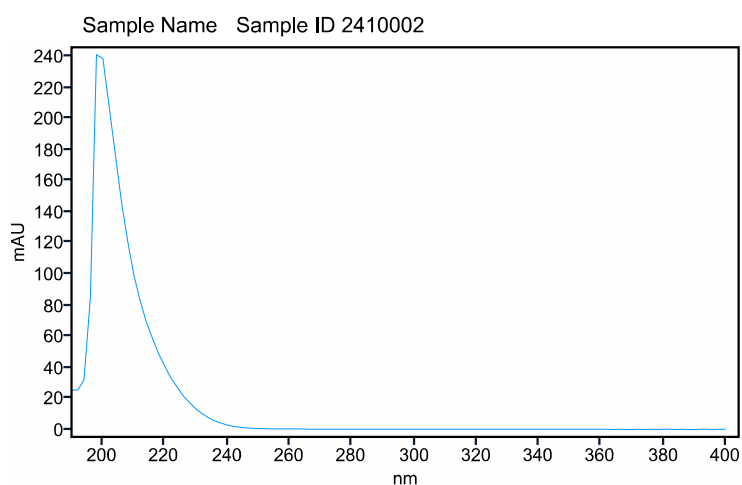
UV Match Spectra

RT:

8.091

Compound Name:

TB-500



Compound Spectra Confirm Result Confirmed

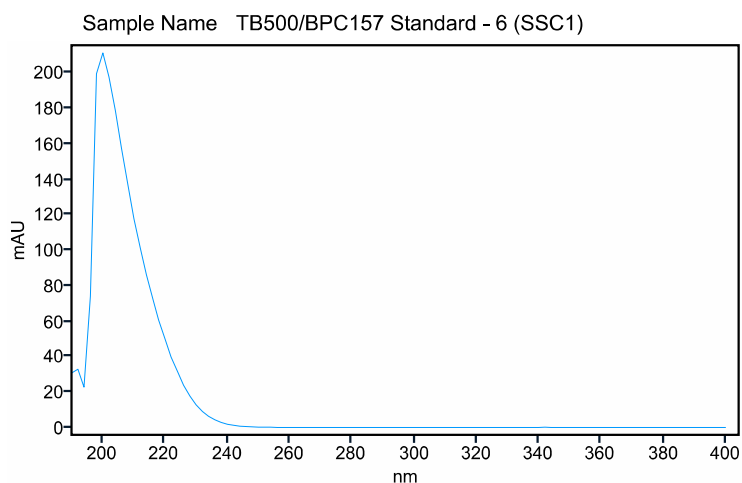
UV Match Spectra

RT:

4.544

Compound Name:

BPC-157



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report



PEPTIDE TEST



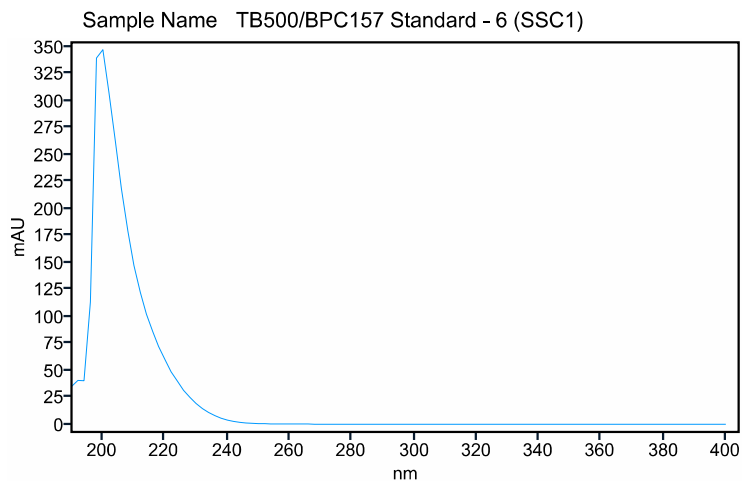
UV Match Spectra

RT:

8.097

Compound Name:

TB-500



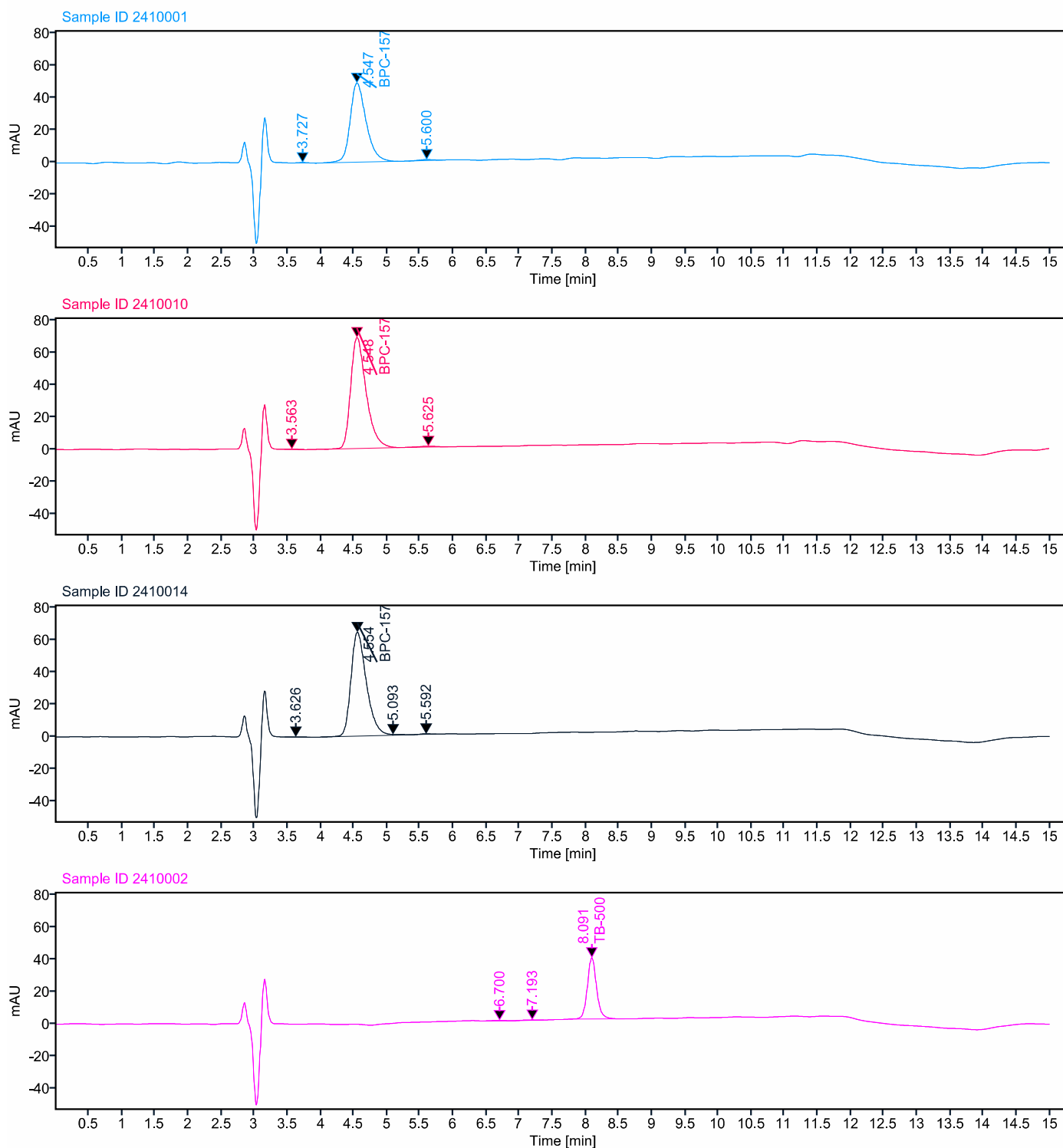
Compound Spectra Confirm Result Confirmed

Sample Purity Report



Sequence Name 1006_aml_101024a

Sequence Acquired Date 2024-10-10 12:02:28-04:00



Sample Purity Report



Sample Name	Name	RT	Area	Peak Area Percent
Sample ID 2410001		3.727	2.649	0.318
Sample ID 2410001	BPC-157	4.547	822.581	98.744
Sample ID 2410001		5.600	7.818	0.938
Sample ID 2410010		3.563	1.494	0.133
Sample ID 2410010	BPC-157	4.548	1116.771	99.067
Sample ID 2410010		5.625	9.018	0.800
Sample ID 2410014		3.626	1.898	0.181
Sample ID 2410014	BPC-157	4.554	1038.300	99.031
Sample ID 2410014		5.093	3.993	0.381
Sample ID 2410014		5.592	4.273	0.408
Sample ID 2410002		6.700	3.441	0.917
Sample ID 2410002		7.193	4.044	1.078
Sample ID 2410002	TB-500	8.091	367.675	98.005