

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-16\2019-09-16_001.xad

Created: 9/16/2019 1:22:57 PM
Modified: 9/16/2019 1:44:25 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

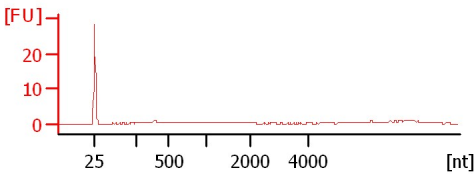
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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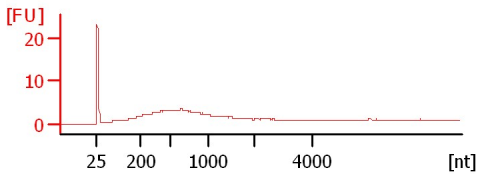
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

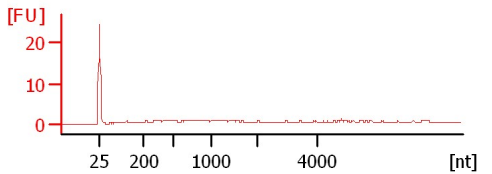
NovaSeq51 - 29
NovaSeq051
RIN:1



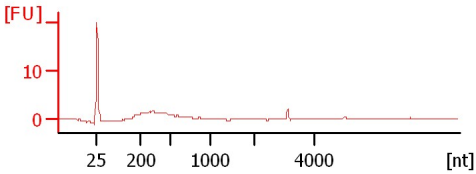
NovaSeq51 - 51
NovaSeq051
RIN: 1.50



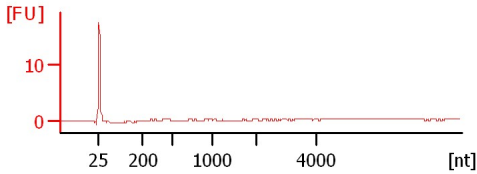
NovaSeq51 - 71
NovaSeq051
RIN:1



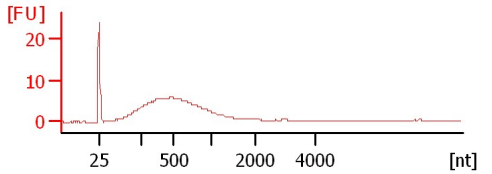
Hum AAV BC DNA
HiSeq1885
RIN: 1.10



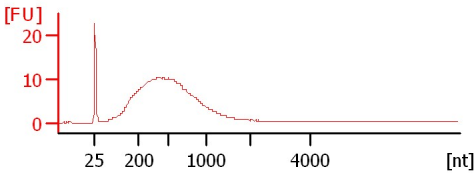
Bac AAV BC DNA
HiSeq1885
RIN:1



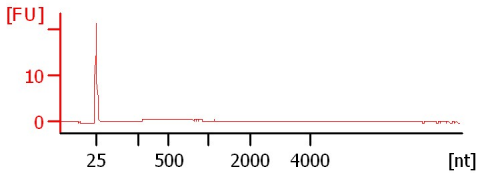
MP1 Body
NovaSeq089
RIN: 2.10



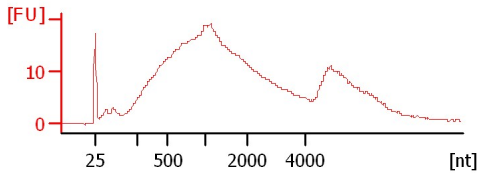
MP2 Body
NovaSeq089
RIN: 2.20



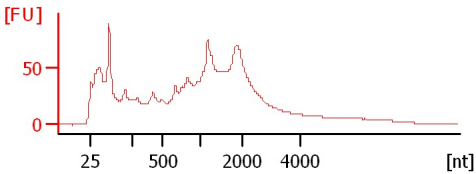
MP3 Body
NovaSeq089
RIN:1



Hum AAV ssDNA
HiSeq1885
RIN: 2.40



Bac AAV ssDNA
HiSeq1885
RIN:4



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NovaSeq51 - 29	NovaSeq051	✓	RIN:1	
NovaSeq51 - 51	NovaSeq051	✓	RIN: 1.50	
NovaSeq51 - 71	NovaSeq051	✓	RIN:1	
Hum AAV BC DNA	HiSeq1885	✓	RIN: 1.10	
Bac AAV BC DNA	HiSeq1885	✓	RIN:1	
MP1 Body	NovaSeq089	✓	RIN: 2.10	
MP2 Body	NovaSeq089	✓	RIN: 2.20	
MP3 Body	NovaSeq089	✓	RIN:1	
Hum AAV ssDNA	HiSeq1885	✓	RIN: 2.40	
Bac AAV ssDNA	HiSeq1885	✓	RIN:4	
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

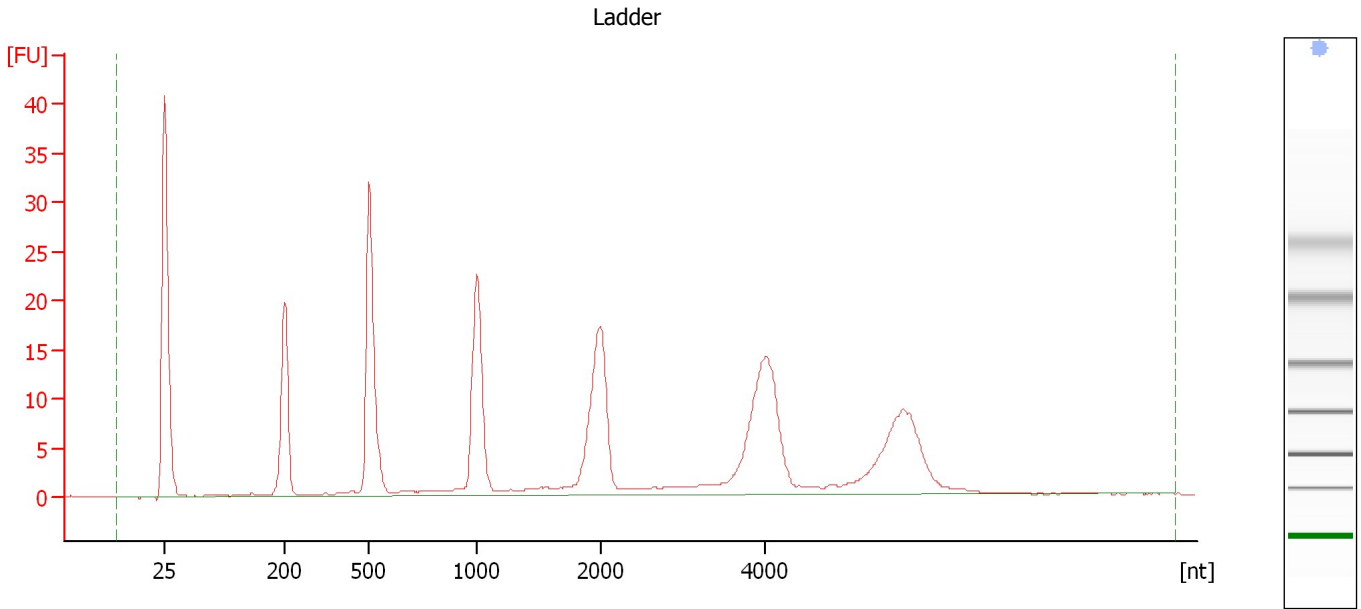
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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Electropherogram Summary



Overall Results for Ladder

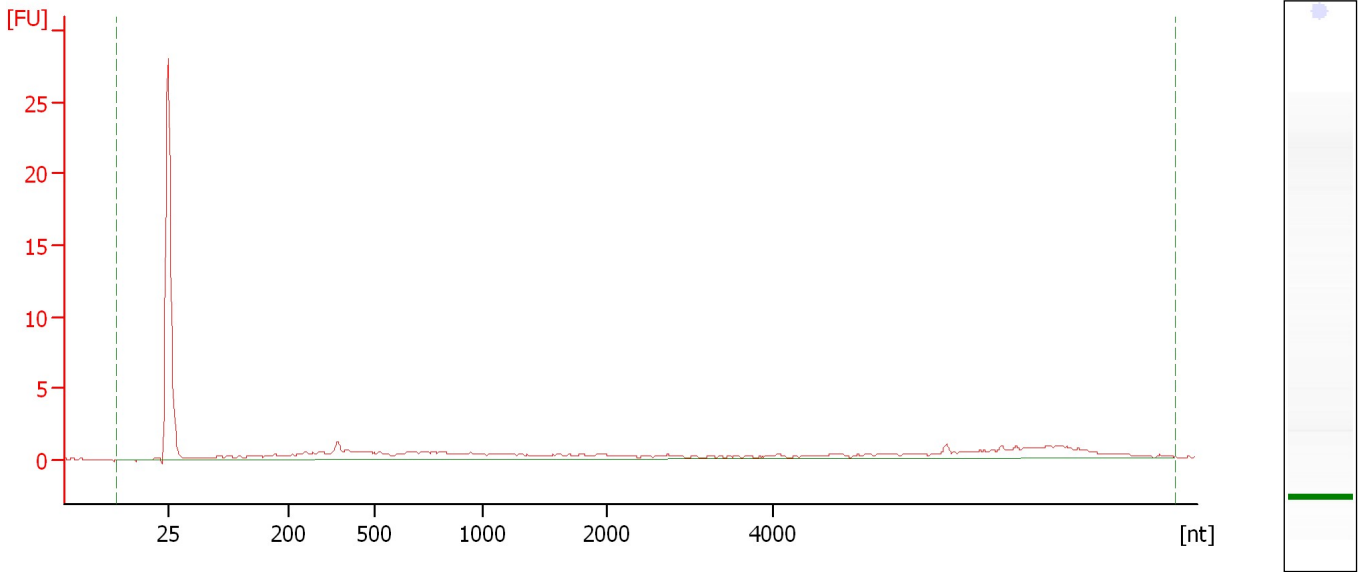
RNA Area:	250.9	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

NovaSeq51 - 29 [NovaSeq051]



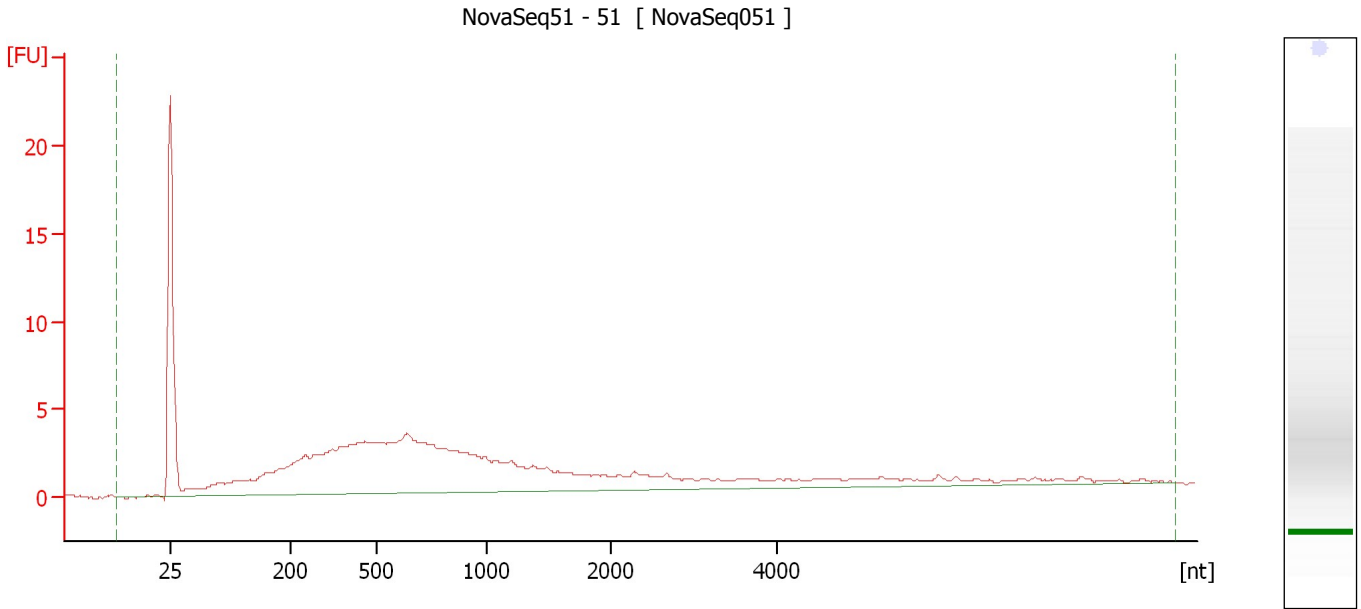
Overall Results for sample 1 : NovaSeq51 - 29

RNA Area:	34.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	136 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...



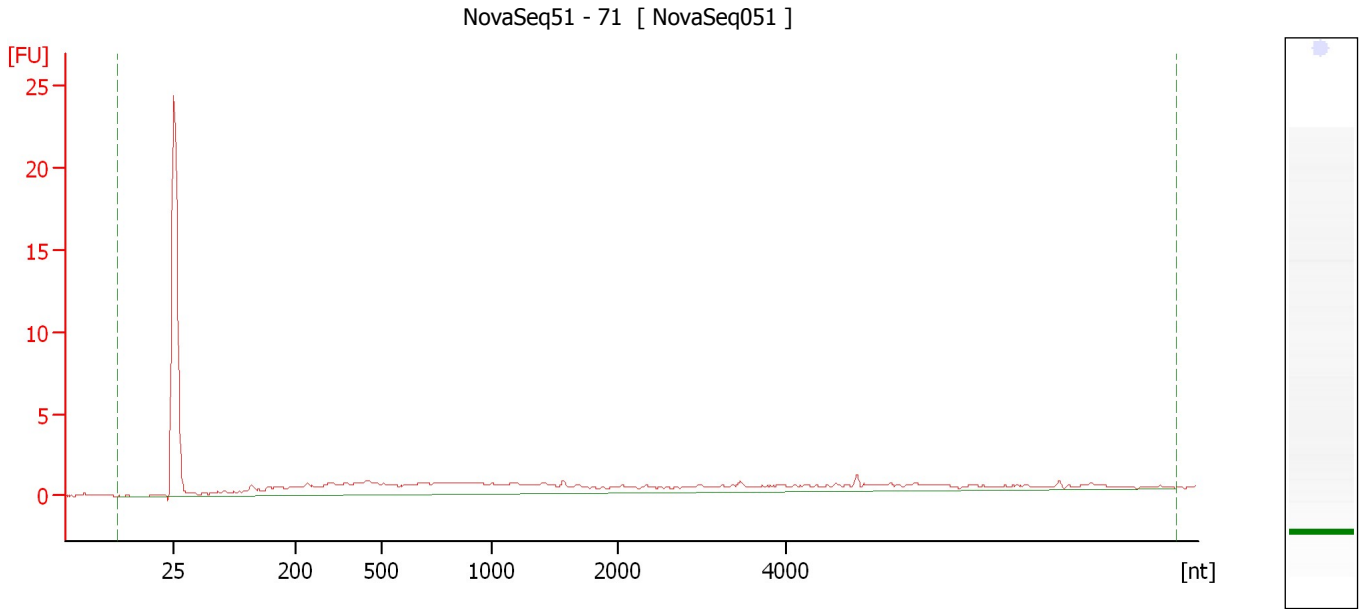
Overall Results for sample 2 : NovaSeq51 - 51

RNA Area:	131.7	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	525 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 3 : NovaSeq51 - 71

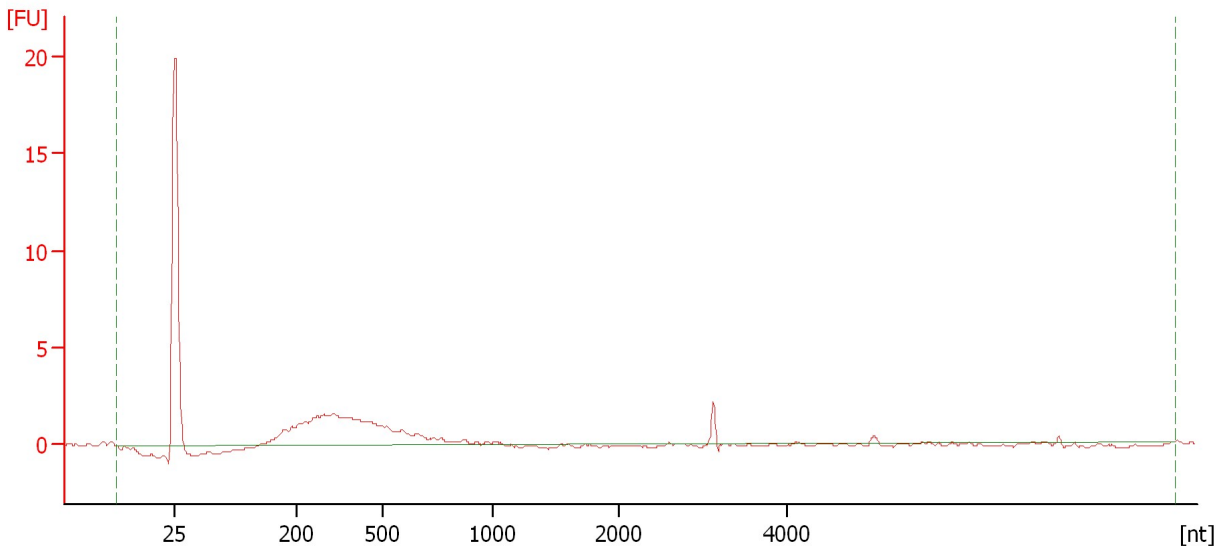
RNA Area:	44.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	178 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-16\2019-09-16_001.xad

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Electropherogram Summary Continued ...

Hum AAV BC DNA [HiSeq1885]



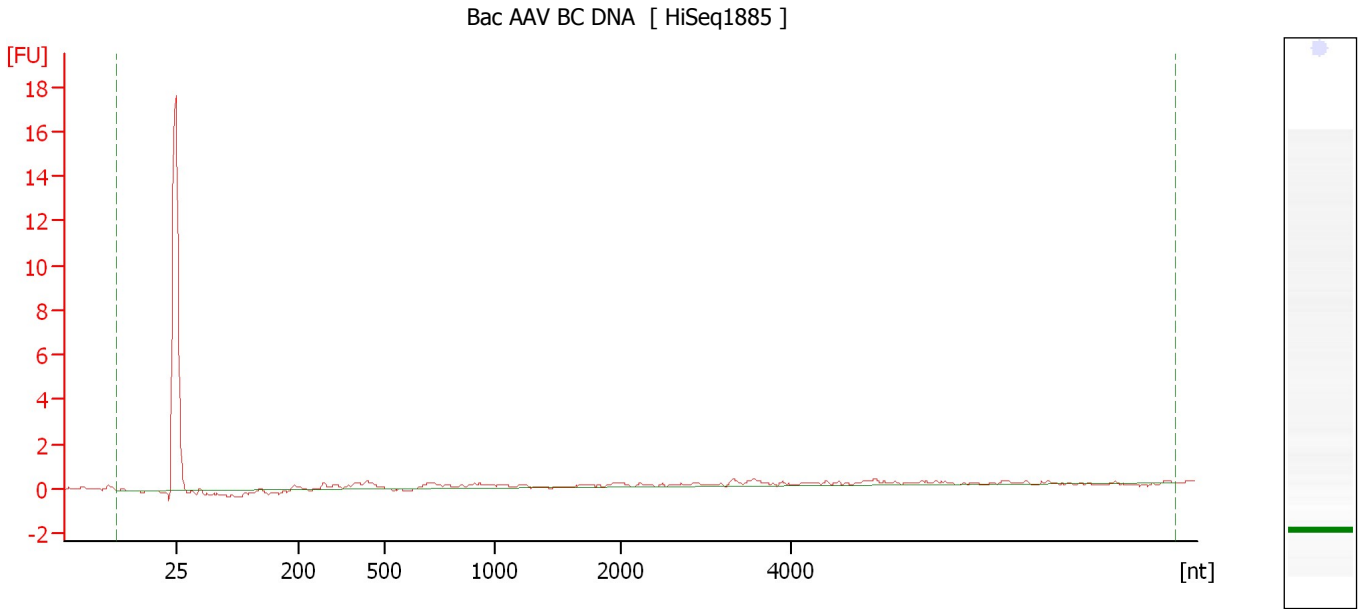
Overall Results for sample 4 : Hum AAV BC DNA

RNA Area:	27.3	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	109 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-16\2019-09-16_001.xad

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Electropherogram Summary Continued ...



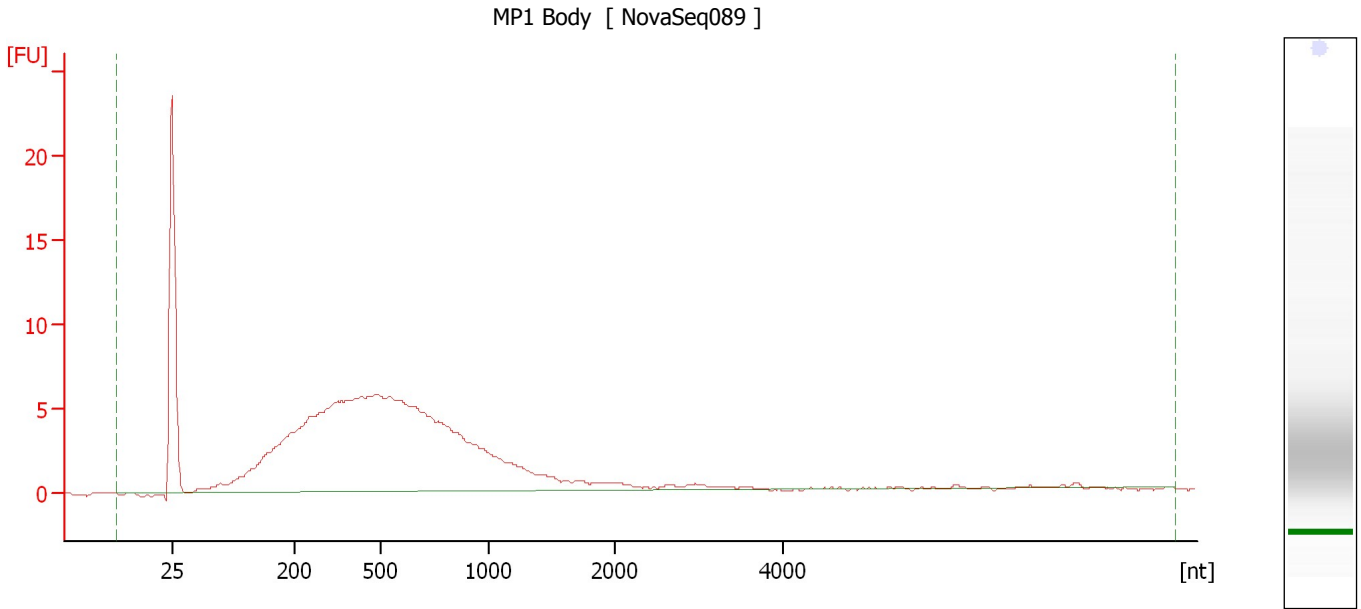
Overall Results for sample 5 : Bac AAV BC DNA

RNA Area:	7.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	29 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-16\2019-09-16_001.xad

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Electropherogram Summary Continued ...



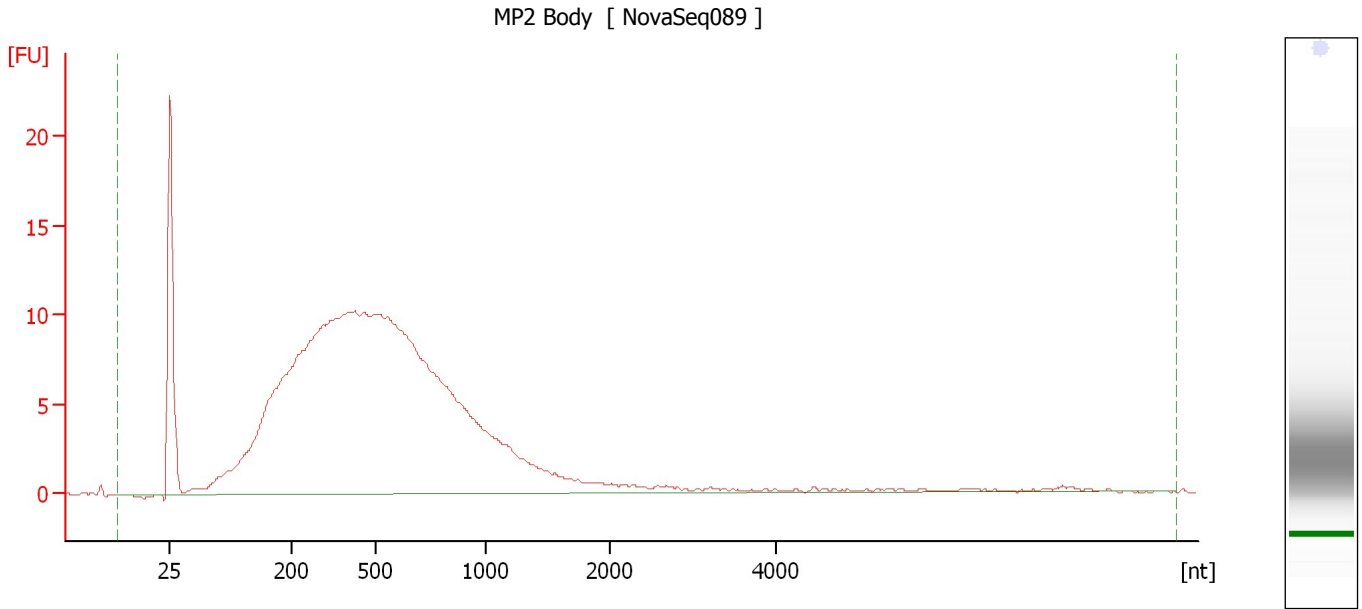
Overall Results for sample 6 : MP1 Body

RNA Area:	174.9	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	697 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



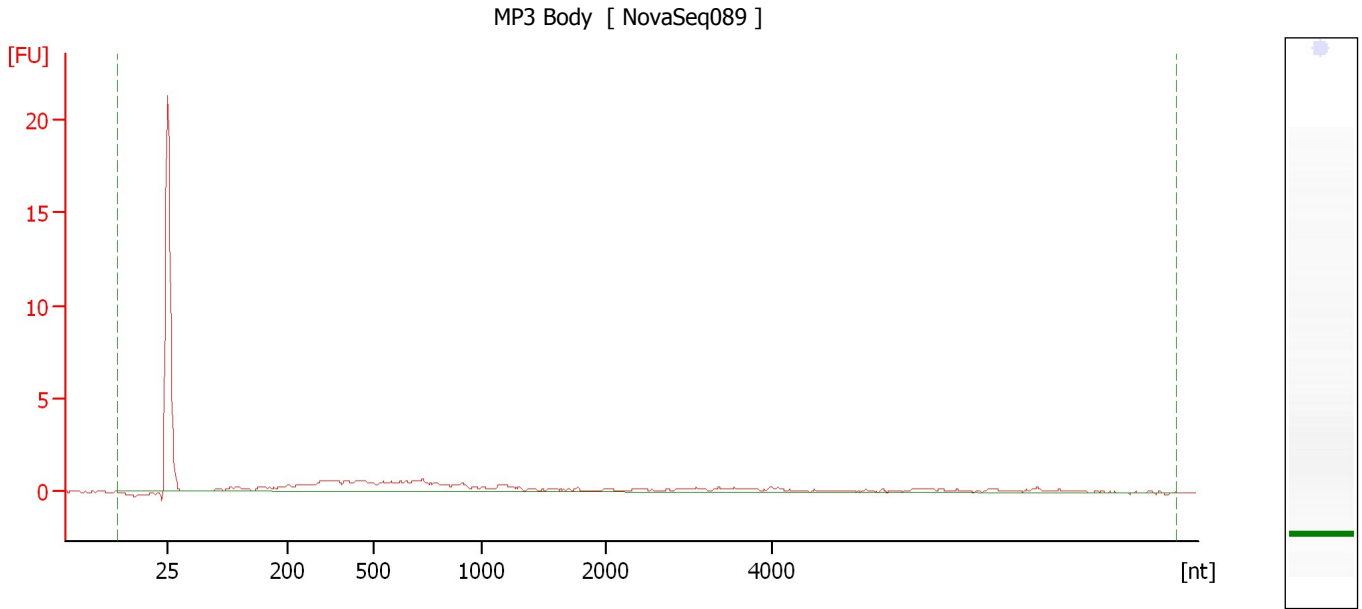
Overall Results for sample 7 : MP2 Body

RNA Area:	313.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,248 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



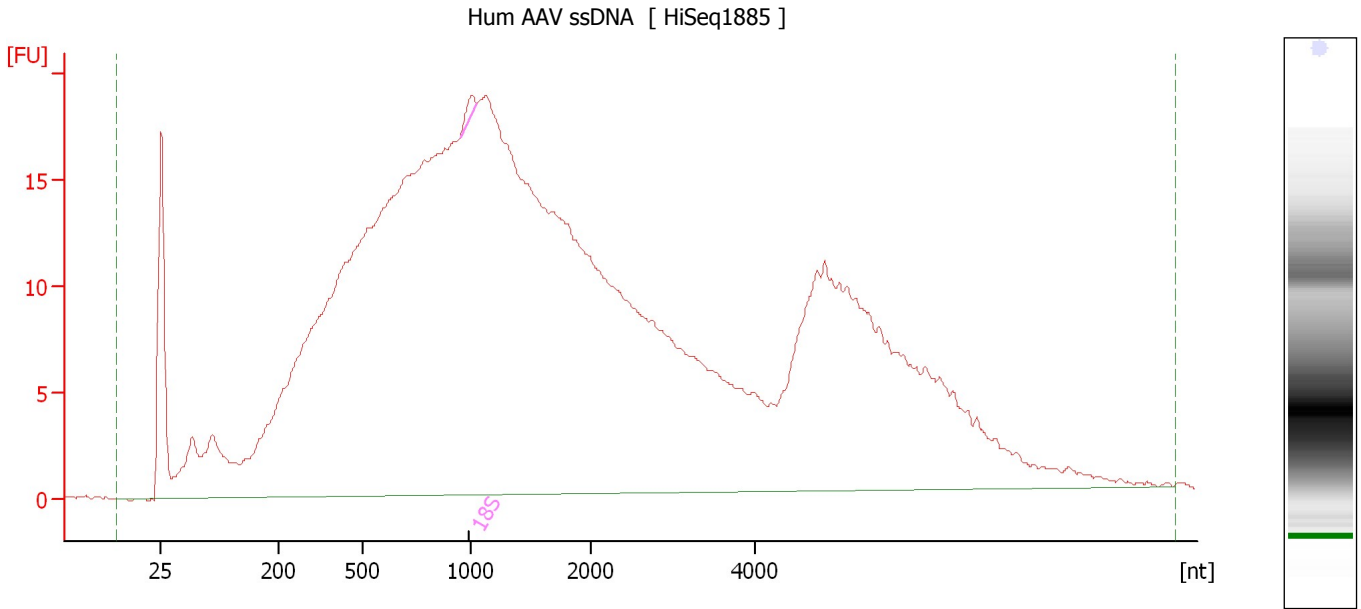
Overall Results for sample 8 : MP3 Body

RNA Area:	22.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	88 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Hum AAV ssDNA

RNA Area: 867.0 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 3,455 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.40

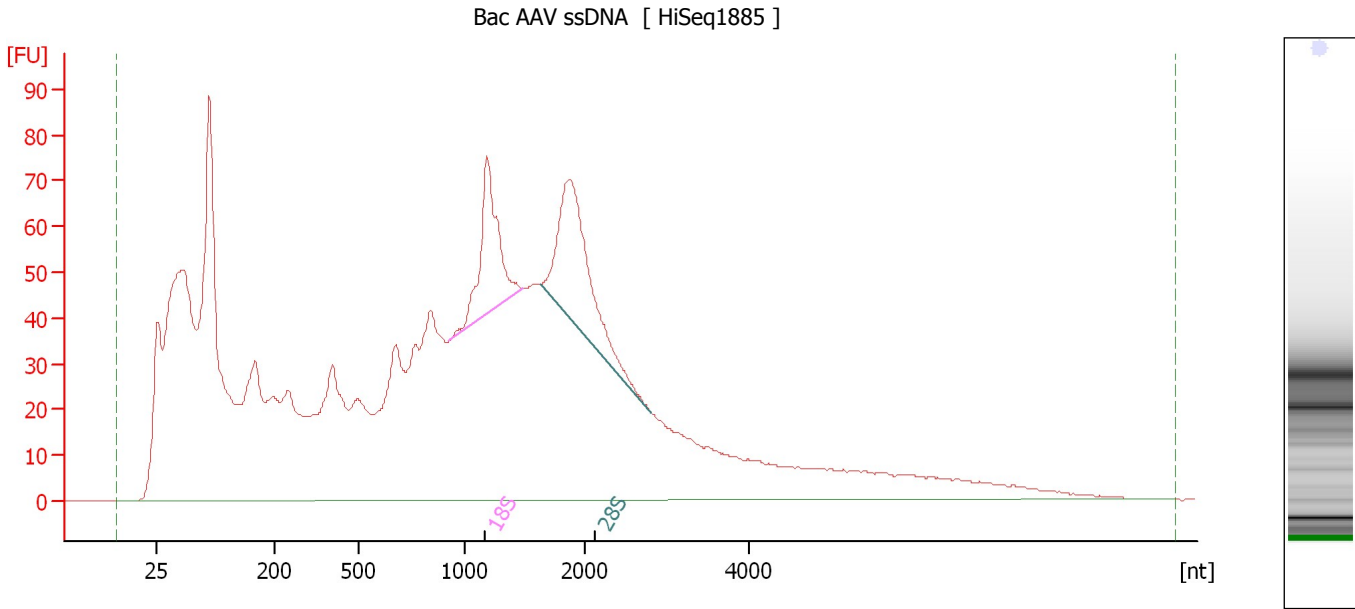
Fragment table for sample 9 : Hum AAV ssDNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	953	1,058	1.1	0.1

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...



Overall Results for sample 10 : Bac AAV ssDNA

RNA Area: 2,842.7 RNA Integrity Number (RIN): 4 (B.02.08)
 RNA Concentration: 11,328 pg/μl Result Flagging Color:
 rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN:4

Fragment table for sample 10 : Bac AAV ssDNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	928	1,483	85.2	3.0
28S	1,624	2,794	128.5	4.5

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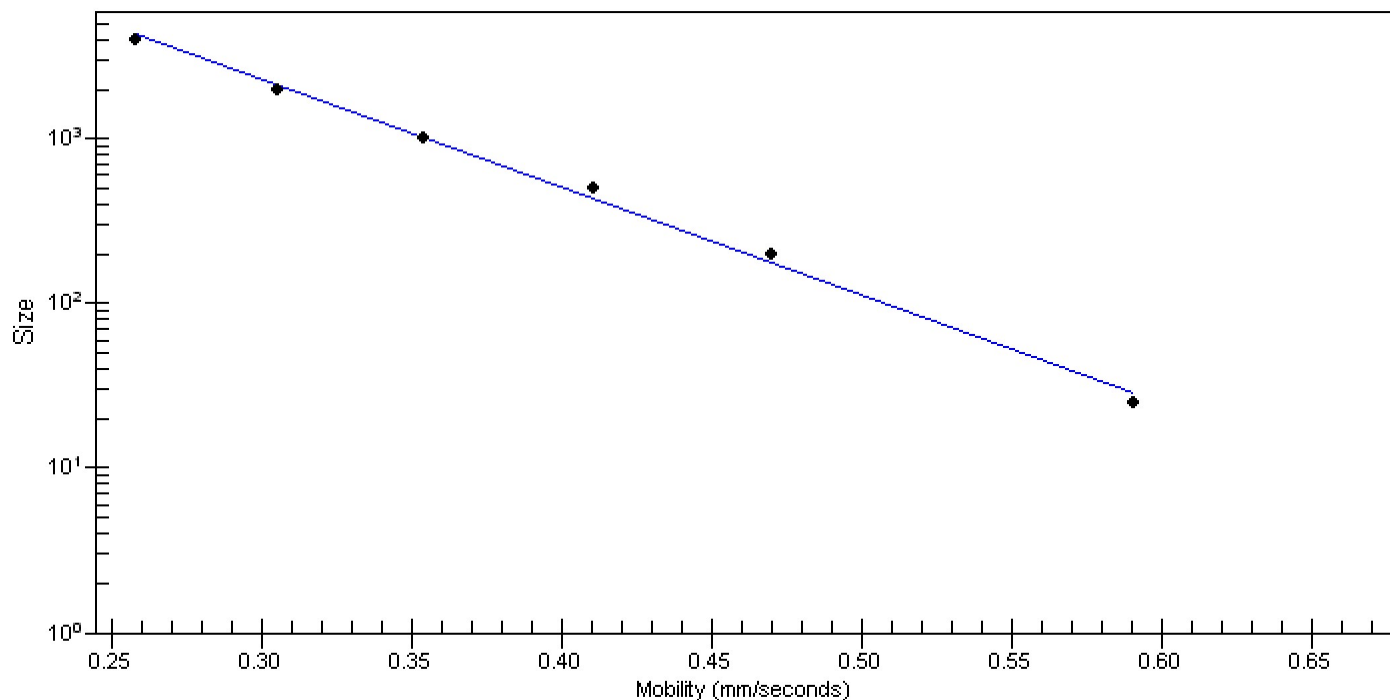
Gel Image

Assay Class: Eukaryote Total RNA Pico
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Curves

Standard Curve



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Invalid Samples

Sample 11 has not been run, no results available.

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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		9/16/2019 1:44:23 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-16\2019-09-16_001.xad)		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/16/2019 1:23:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1