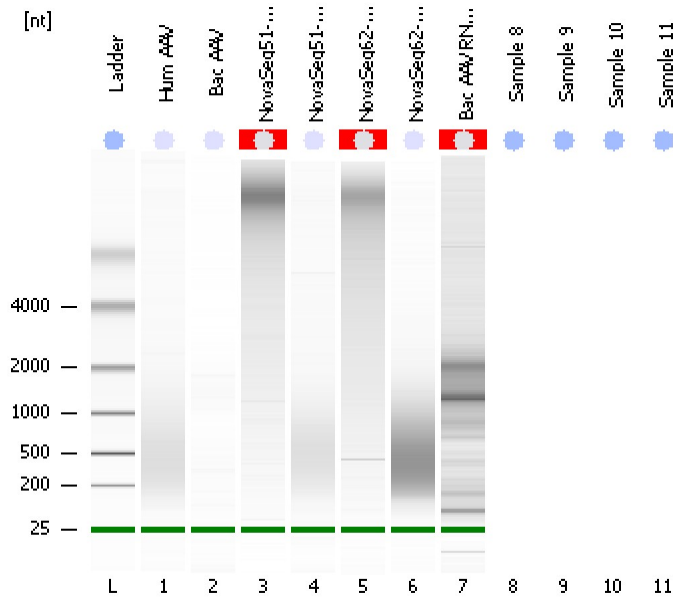


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electrophoresis File Run Summary



Instrument Information:

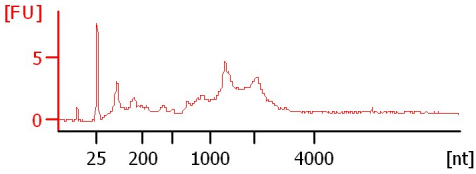
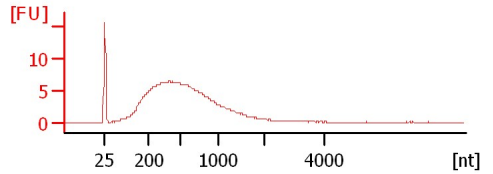
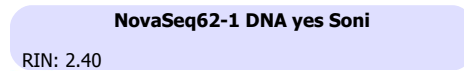
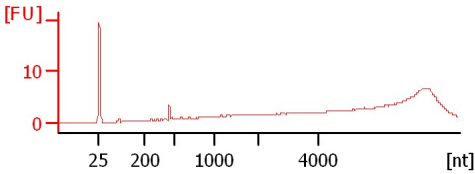
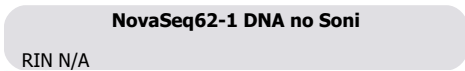
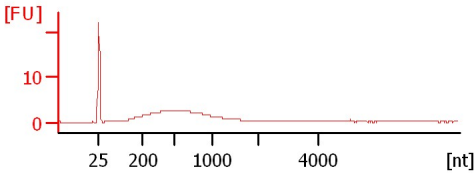
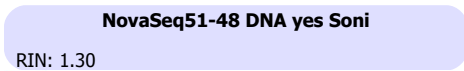
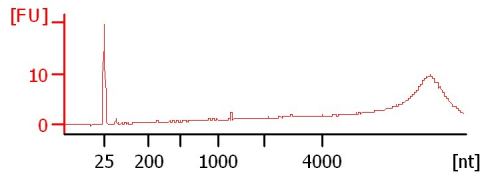
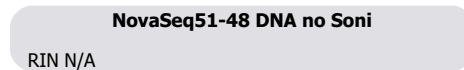
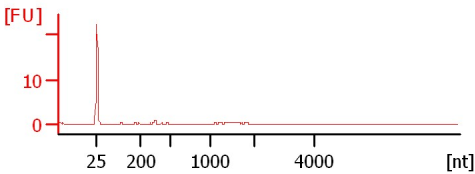
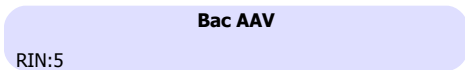
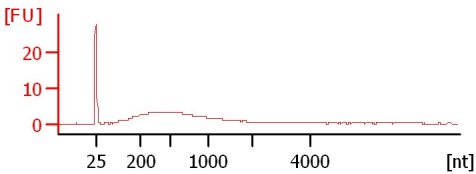
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Hum AAV		✓	RIN: 1.30	
Bac AAV		✓	RIN:5	
NovaSeq51-48 DNA no Soni		✓	RIN N/A	
NovaSeq51-48 DNA yes Soni		✓	RIN: 1.30	
NovaSeq62-1 DNA no Soni		✓	RIN N/A	
NovaSeq62-1 DNA yes Soni		✓	RIN: 2.40	
Bac AAV RNaseIF		✓	RIN N/A	
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

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

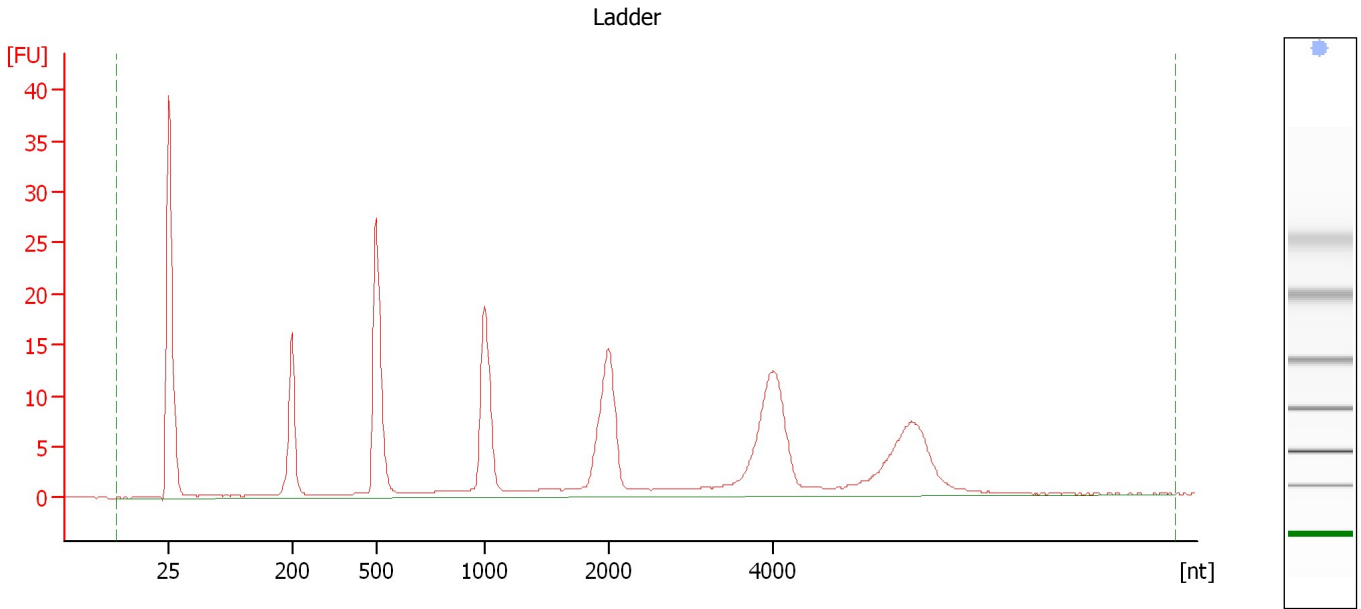
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary



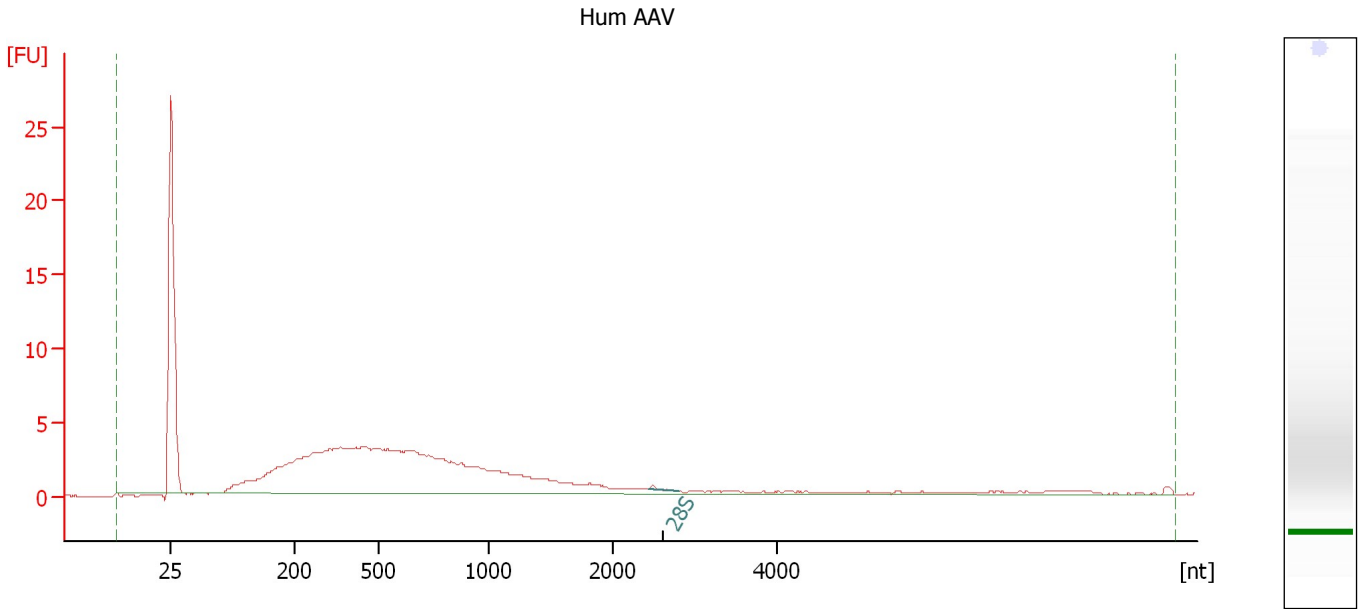
Overall Results for Ladder

RNA Area:	212.2	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Hum AAV

RNA Area:	111.3	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	524 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

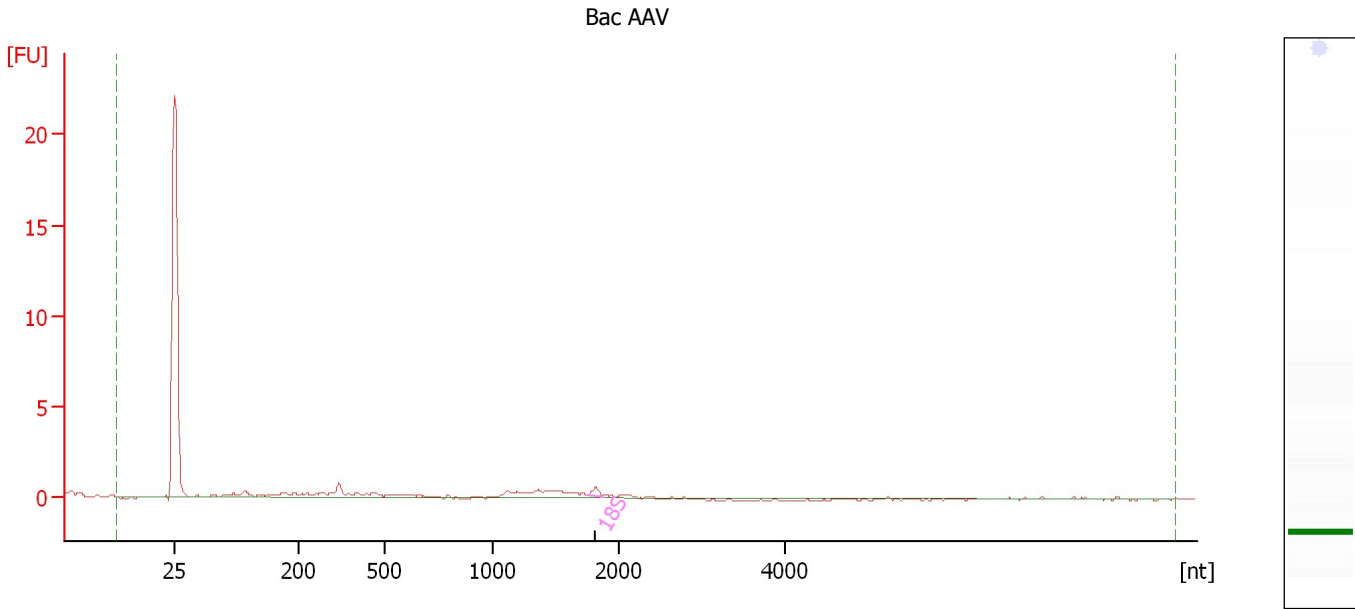
Fragment table for sample 1 : Hum AAV

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,428	2,803	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Bac AAV

RNA Area:	10.2	RNA Integrity Number (RIN):	5 (B.02.08)
RNA Concentration:	48 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:5

Fragment table for sample 2 : Bac AAV

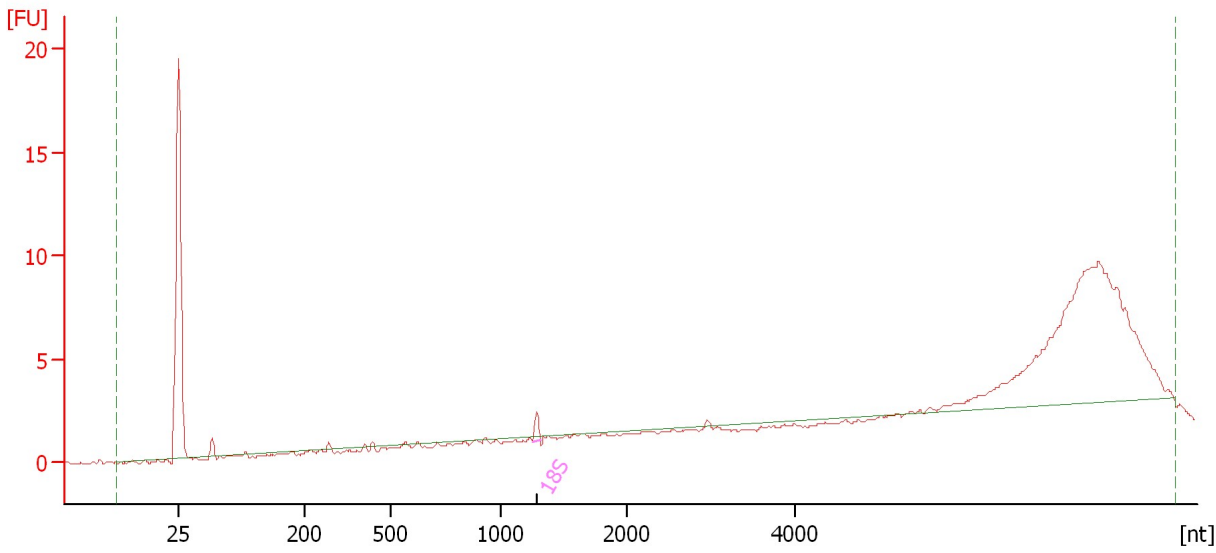
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,747	1,866	0.4	3.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...

NovaSeq51-48 DNA no Soni



Overall Results for sample 3 : NovaSeq51-48 DNA no Soni

RNA Area:	48.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	228 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : NovaSeq51-48 DNA no Soni

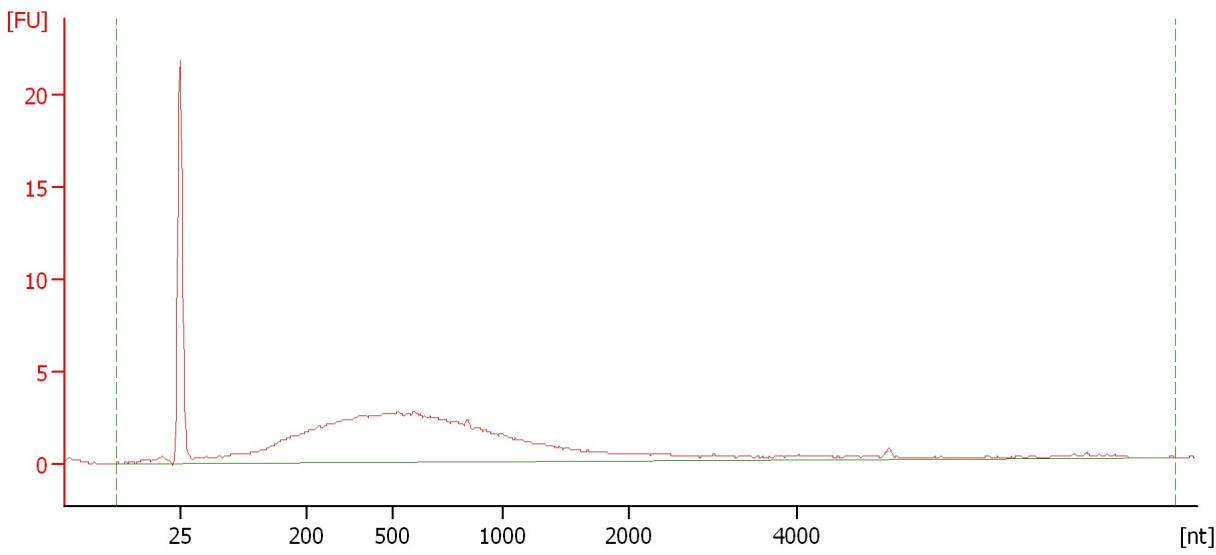
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,261	1,312	0.7	1.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...

NovaSeq51-48 DNA yes Soni



Overall Results for sample 4 : NovaSeq51-48 DNA yes Soni

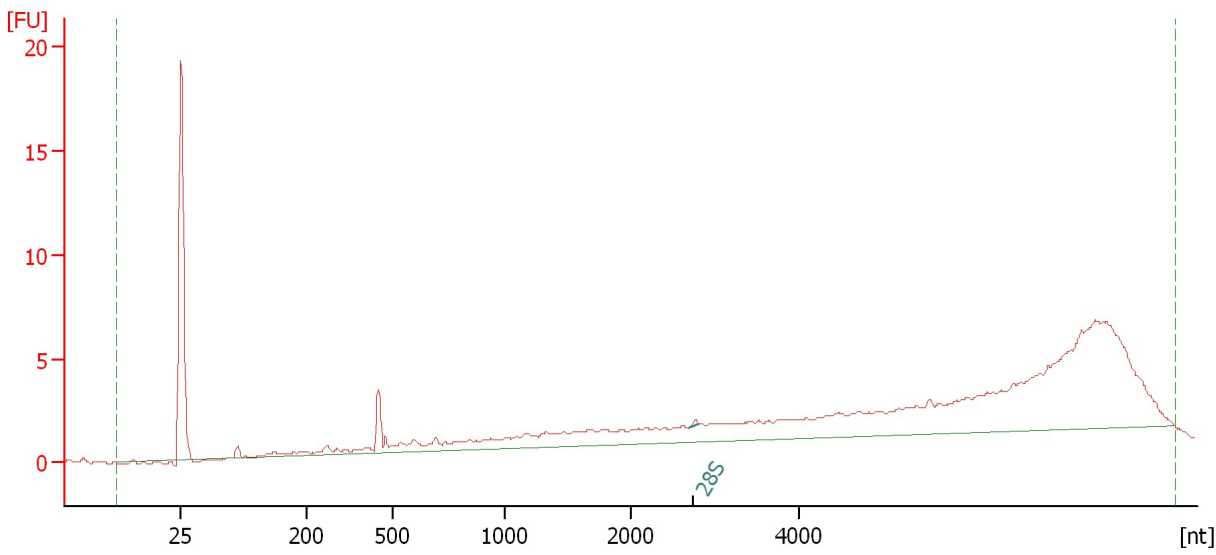
RNA Area:	95.2	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	449 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...

NovaSeq62-1 DNA no Soni



Overall Results for sample 5 : NovaSeq62-1 DNA no Soni

RNA Area:	94.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	443 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : NovaSeq62-1 DNA no Soni

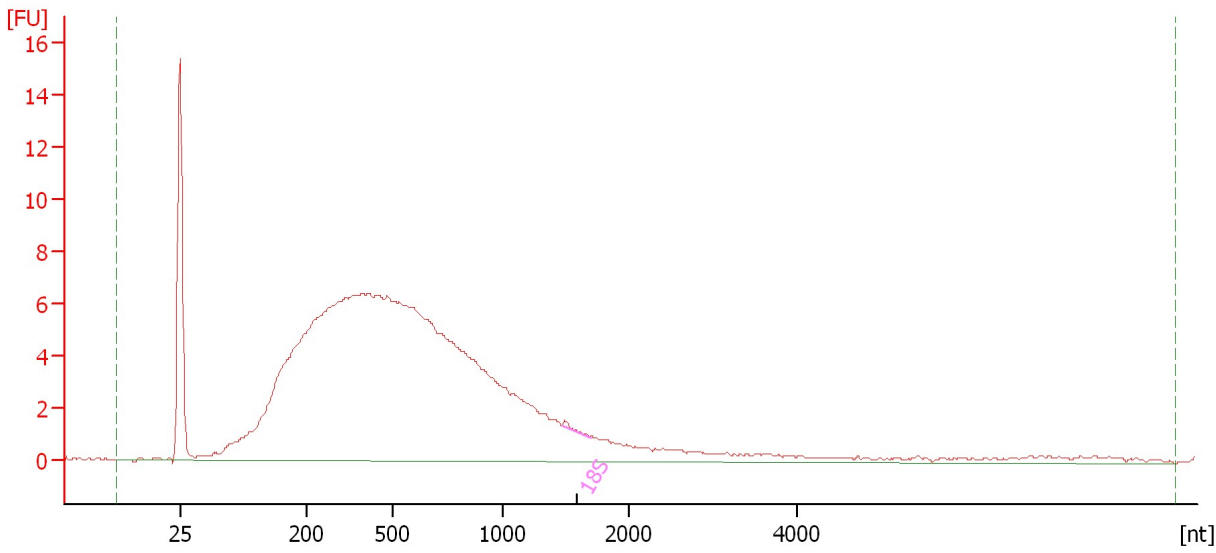
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,693	2,807	0.1	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...

NovaSeq62-1 DNA yes Soni



Overall Results for sample 6 : NovaSeq62-1 DNA yes Soni

RNA Area:	220.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	1,038 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

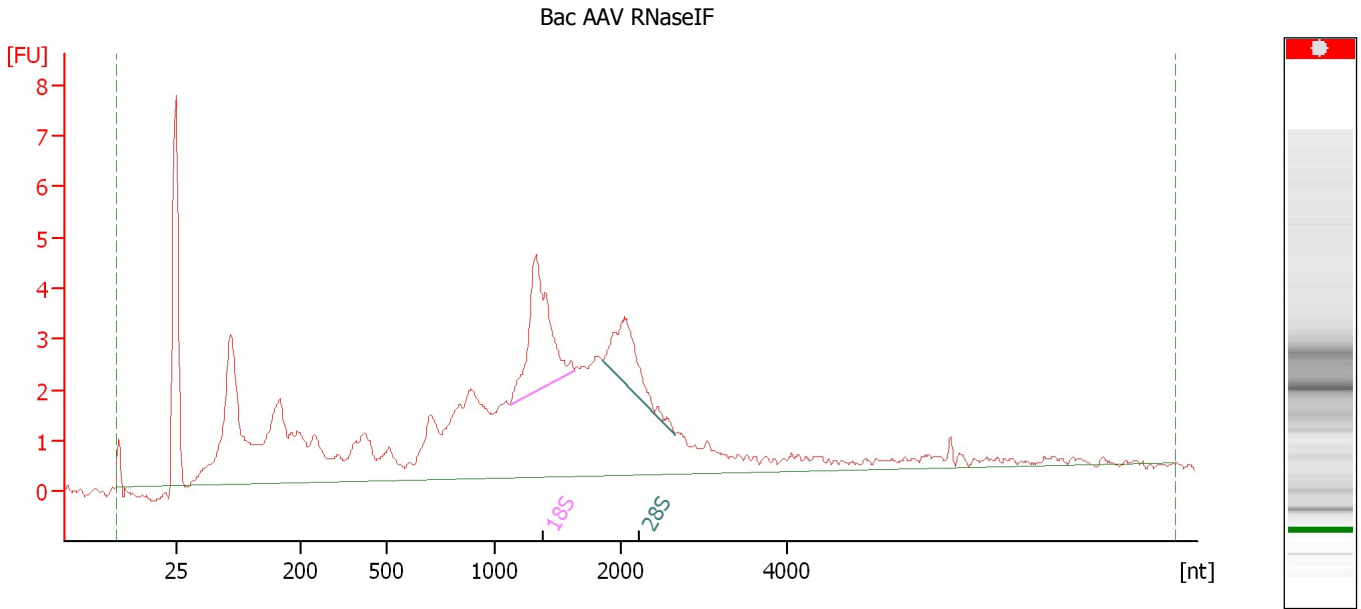
Fragment table for sample 6 : NovaSeq62-1 DNA yes Soni

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,474	1,693	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
 Modified: 9/20/2019 2:40:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Bac AAV RNaseIF

RNA Area:	99.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	471 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN N/A

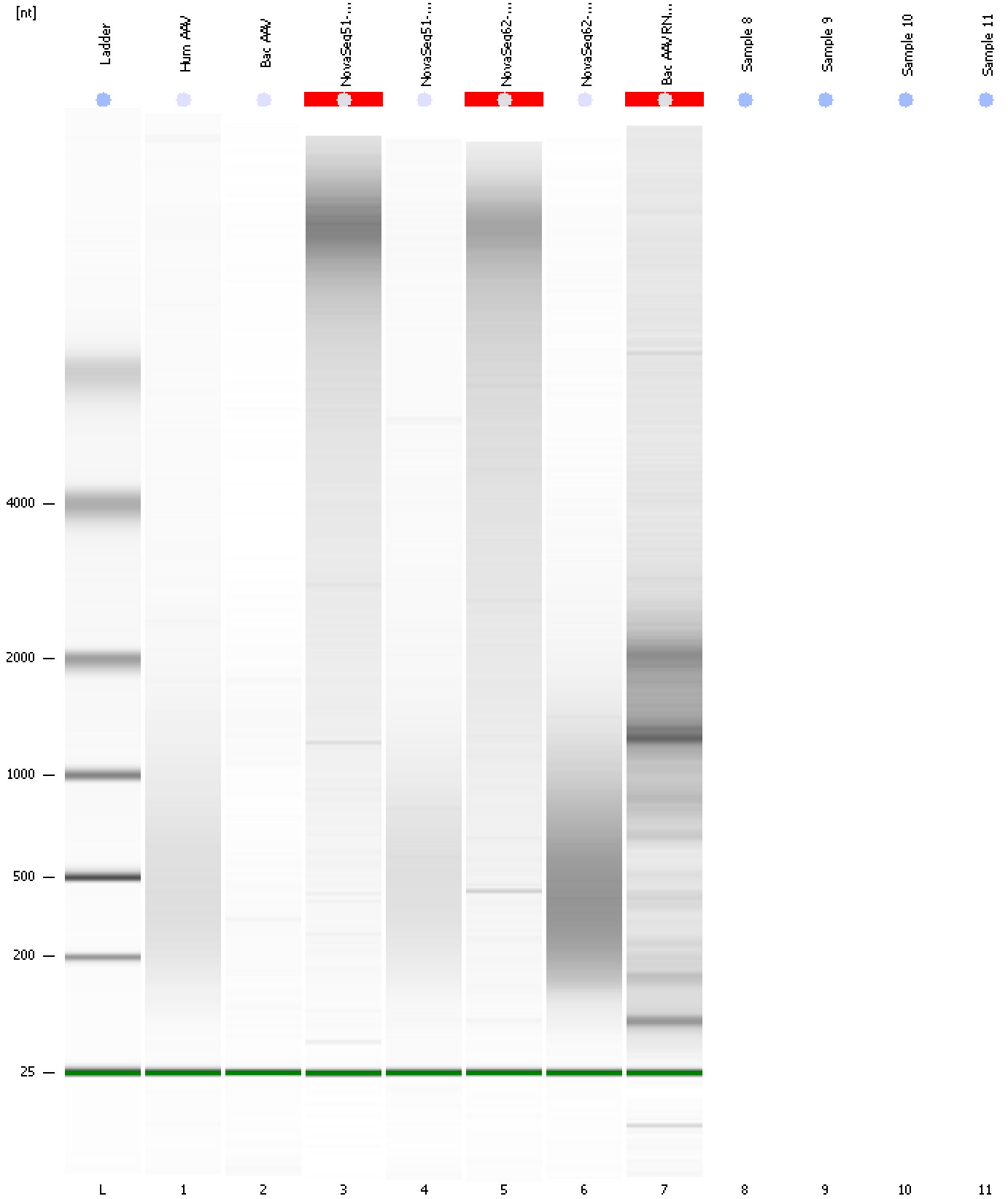
Fragment table for sample 7 : Bac AAV RNaseIF

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,118	1,629	7.3	7.3
28S	1,850	2,658	3.9	3.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Gel Image

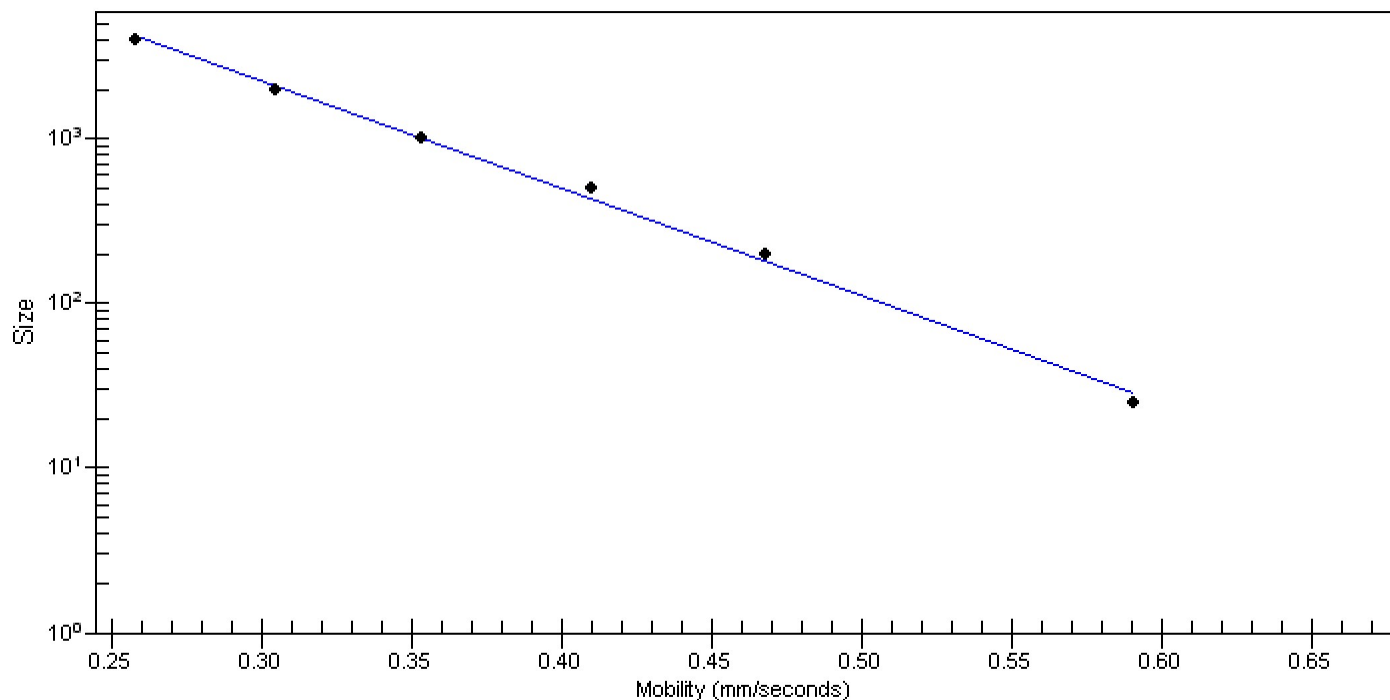


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
Modified: 9/20/2019 2:40:30 PM

Invalid Samples

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-20\2019-09-20_002.xad

Created: 9/20/2019 2:23:25 PM
 Modified: 9/20/2019 2:40:30 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 8)		Instrument	Run		9/20/2019 2:40:29 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\2019-09-20\2019-09-20_002.xad)		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/20/2019 2:23:26 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1