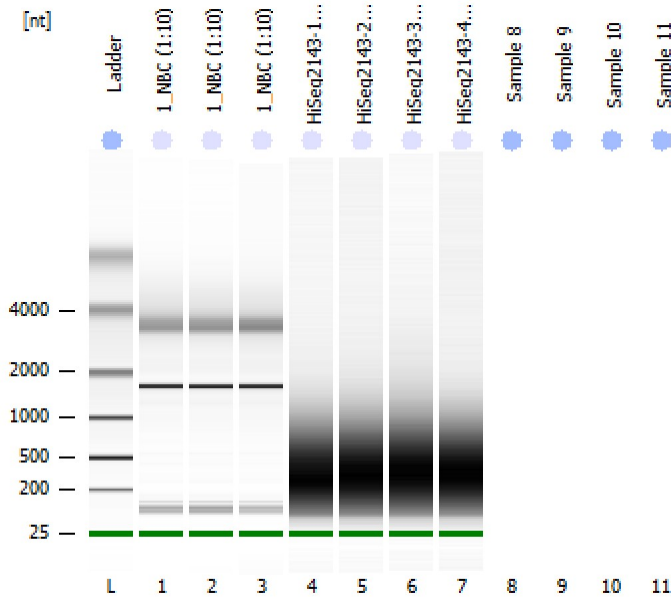


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

Electrophoresis File Run Summary



Instrument Information:

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

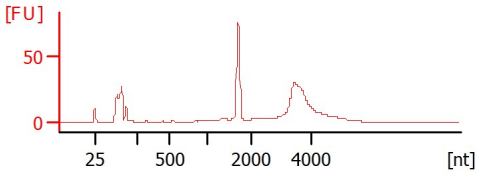
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

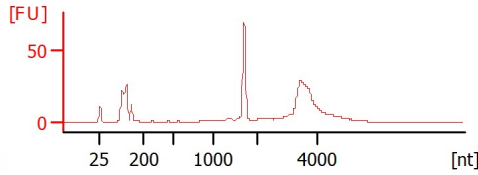
Chip Information:

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

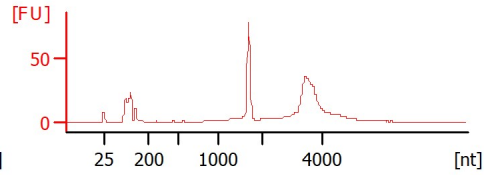
**1\_NBC (1:10)**  
QC0702  
RIN: 9.40



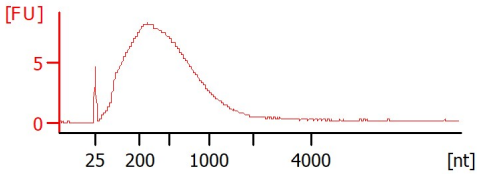
**1\_NBC (1:10)**  
QC0702  
RIN: 9.20



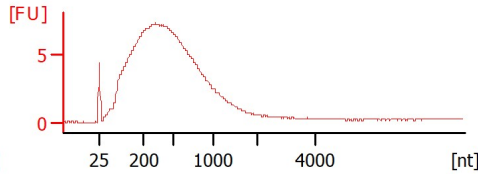
**1\_NBC (1:10)**  
QC0702  
RIN: 9.50



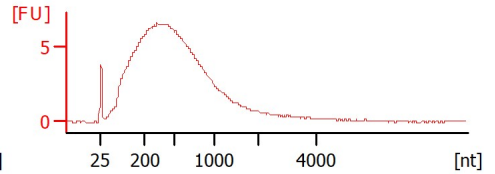
**HiSeq2143-1 BC DNA**  
RIN: 1.80



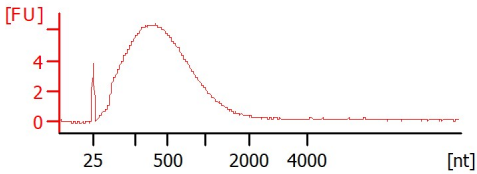
**HiSeq2143-2 BC DNA**  
RIN: 1.80



**HiSeq2143-3 BC DNA**  
RIN: 1.80



**HiSeq2143-4 BC DNA**  
RIN: 1.80



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
 Modified: 10/19/2020 5:57:30 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
1_NBC (1:10)	QC0702	✓	RIN: 9.40	
1_NBC (1:10)	QC0702	✓	RIN: 9.20	
1_NBC (1:10)	QC0702	✓	RIN: 9.50	
HiSeq2143-1 BC DNA		✓	RIN: 1.80	
HiSeq2143-2 BC DNA		✓	RIN: 1.80	
HiSeq2143-3 BC DNA		✓	RIN: 1.80	
HiSeq2143-4 BC DNA		✓	RIN: 1.80	
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: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
 Modified: 10/19/2020 5:57:30 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/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 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

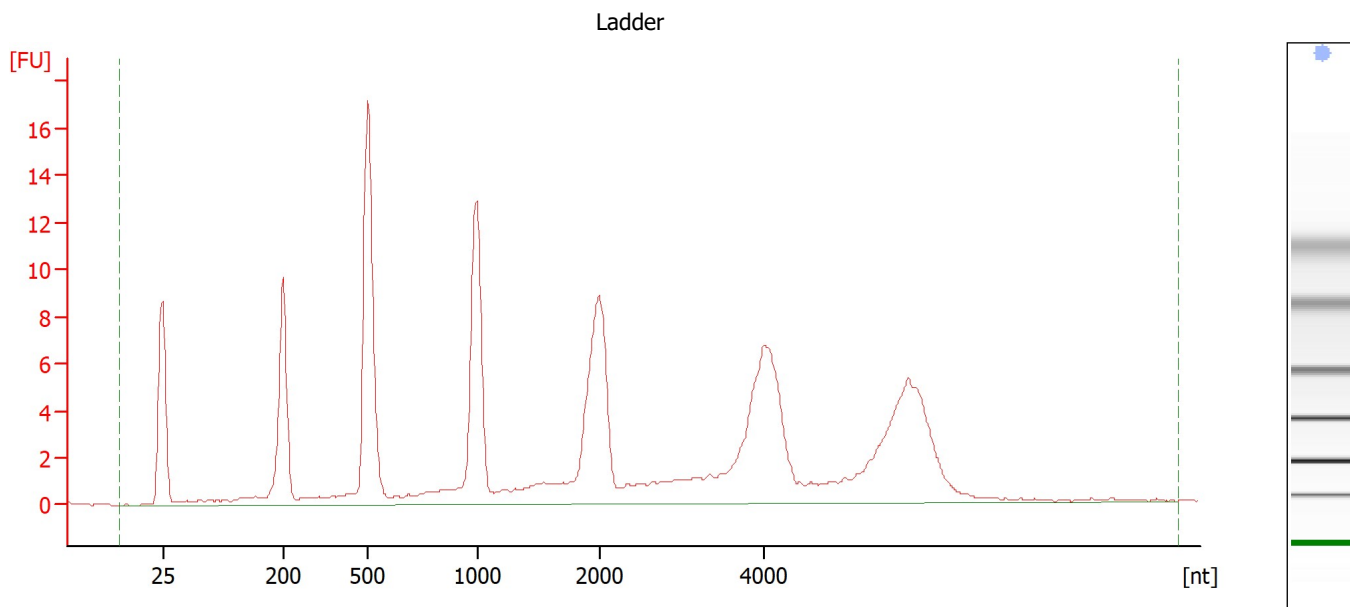
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

**Electropherogram Summary**



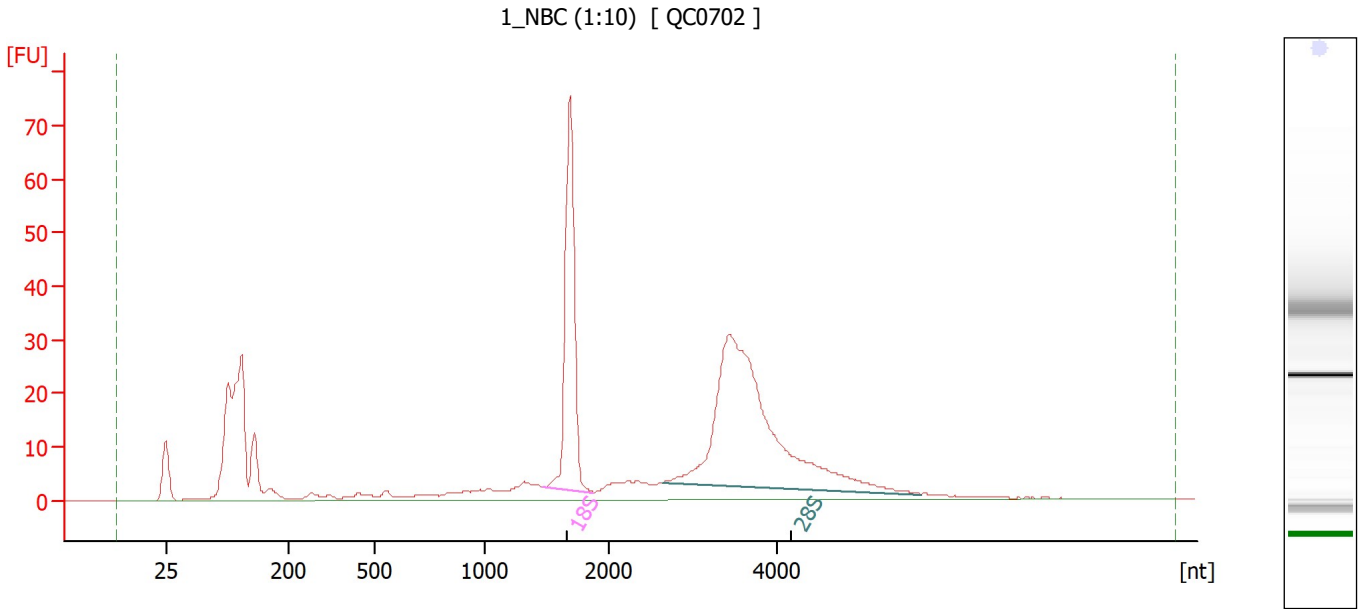
**Overall Results for Ladder**

RNA Area:	170.3	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 1\_NBC (1:10)**

RNA Area:	510.8	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	2,999 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 9.40

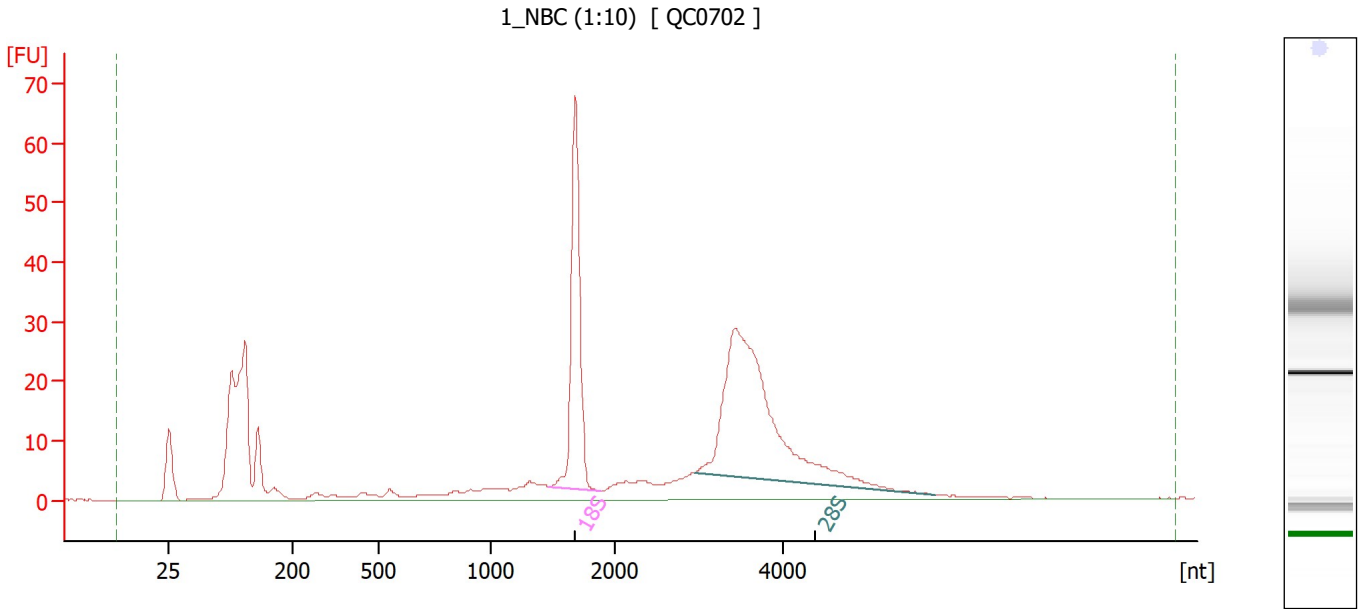
**Fragment table for sample 1 : 1\_NBC (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,873	88.3	17.3
28S	2,644	5,730	171.3	33.5

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 1\_NBC (1:10)**

RNA Area:	465.7	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	2,735 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.20

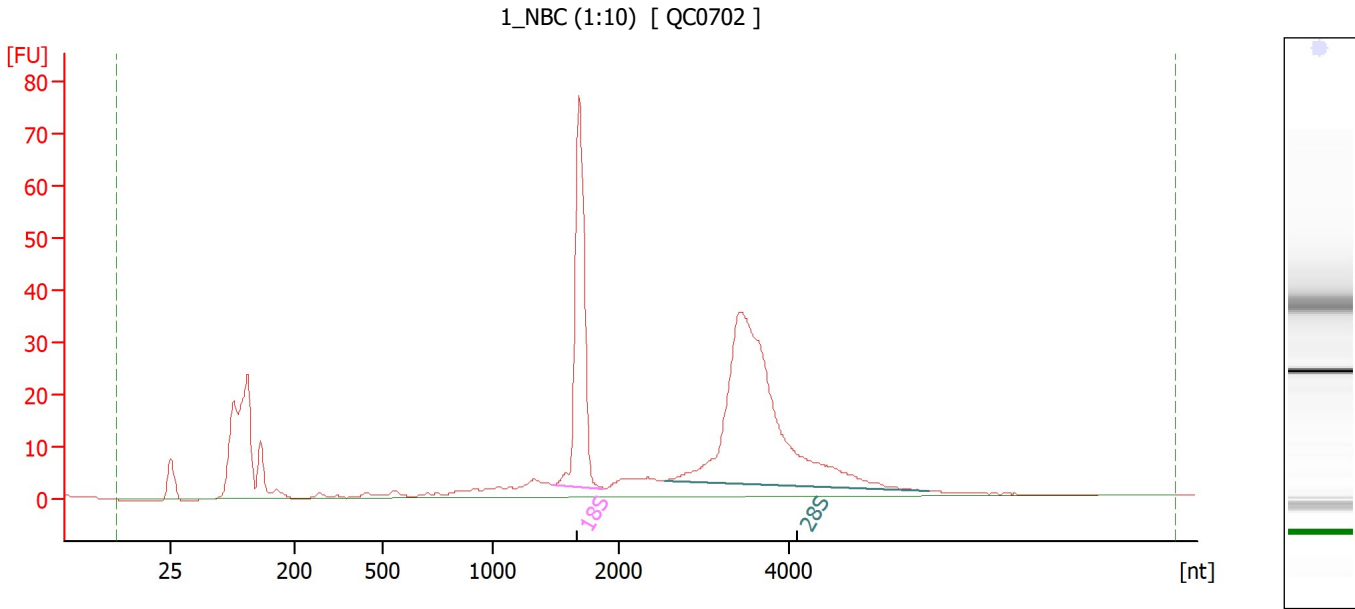
**Fragment table for sample 2 : 1\_NBC (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,475	1,875	77.2	16.6
28S	2,934	5,809	135.0	29.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 1\_NBC (1:10)**

RNA Area:	504.0	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	2,959 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.50

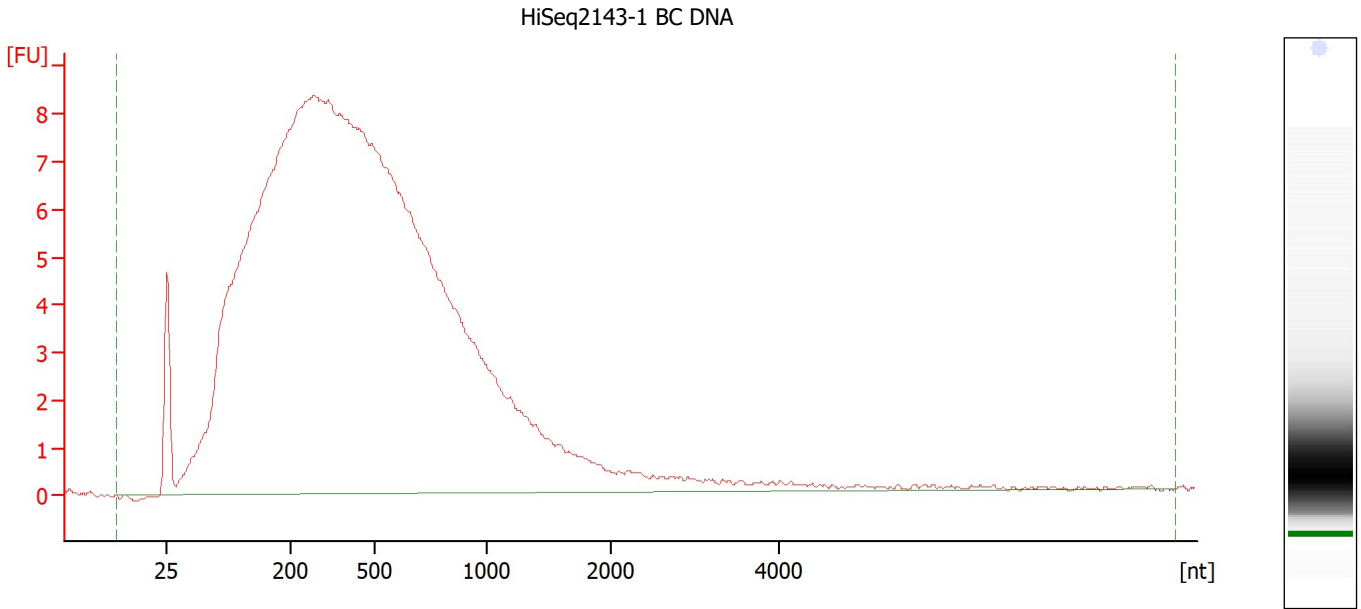
**Fragment table for sample 3 : 1\_NBC (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,470	1,868	90.3	17.9
28S	2,538	5,666	183.7	36.5

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : HiSeq2143-1 BC DNA**

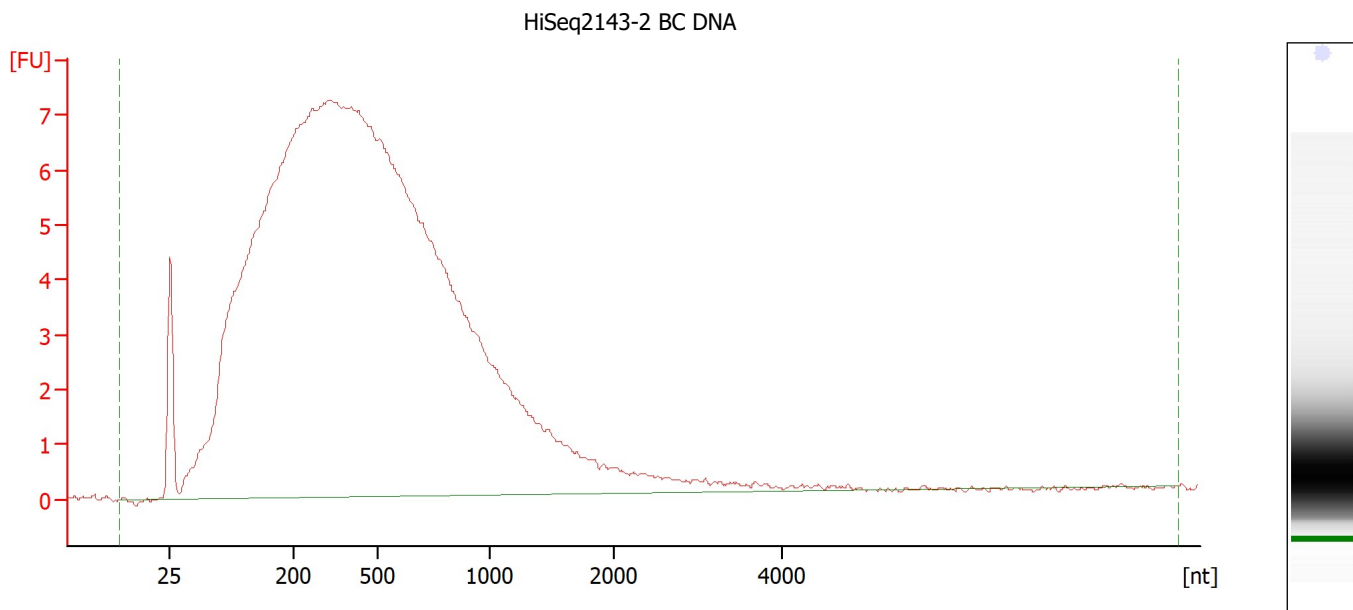
RNA Area:	291.8	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	1,713 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80



Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

**Electropherogram Summary Continued ...**



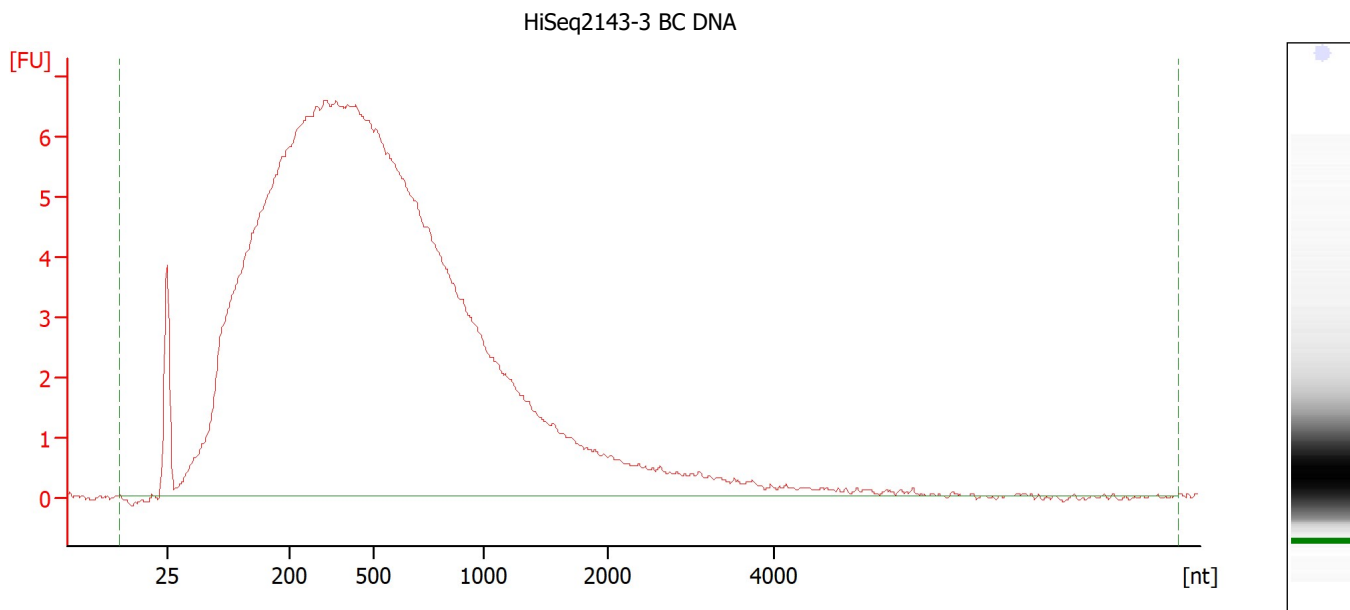
**Overall Results for sample 5 : HiSeq2143-2 BC DNA**

RNA Area:	256.0	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	1,503 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

**Electropherogram Summary Continued ...**



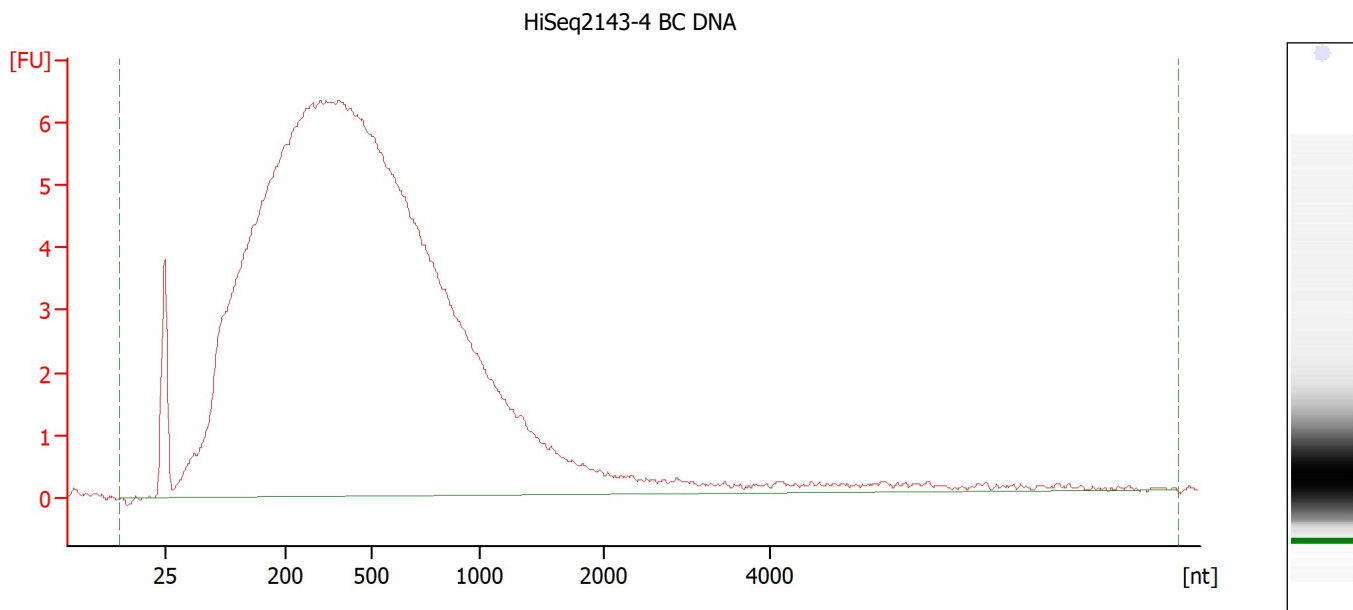
**Overall Results for sample 6 : HiSeq2143-3 BC DNA**

RNA Area:	241.7	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	1,419 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

**Electropherogram Summary Continued ...**



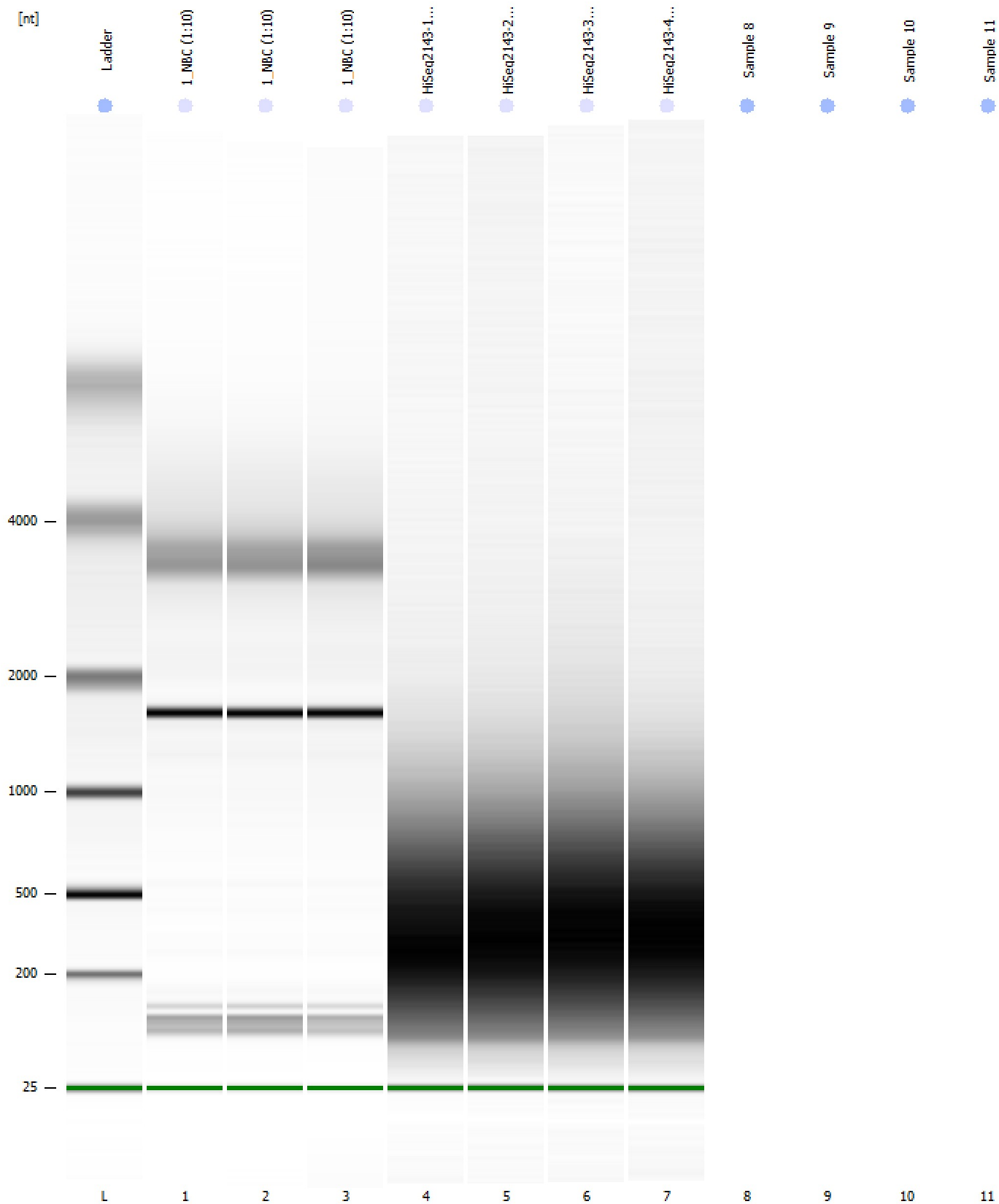
**Overall Results for sample 7 : HiSeq2143-4 BC DNA**

RNA Area:	225.3	RNA Integrity Number (RIN):	1.8 (B.02.10)
RNA Concentration:	1,323 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
Modified: 10/19/2020 5:57:30 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: Z:\...19\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-10-19\_001.xad

Created: 10/19/2020 5:40:15 PM  
 Modified: 10/19/2020 5:57:30 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		10/19/2020 5:57:28 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-10-19\Bioanalyzer1_Eukaryote Total RNA Pico_2020-10-19_001.xad)		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/19/2020 5:40:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB