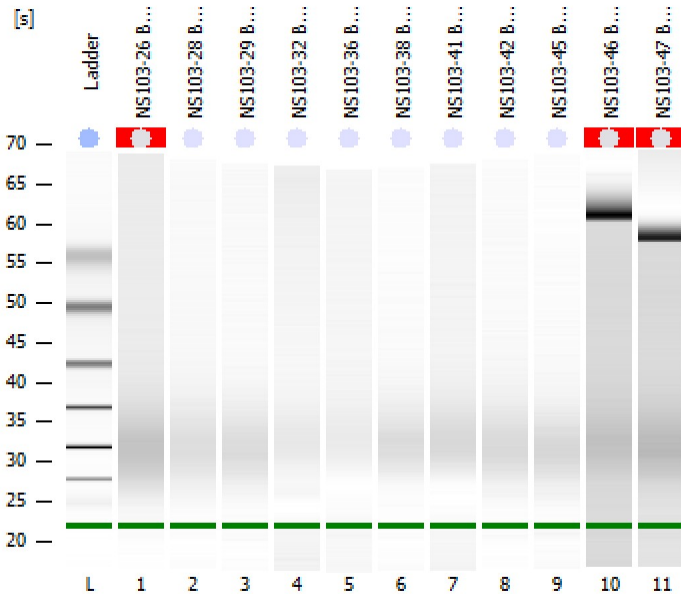


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

Electrophoresis File Run Summary



Instrument Information:

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

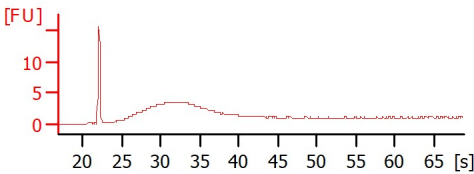
Assay Information:

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)  
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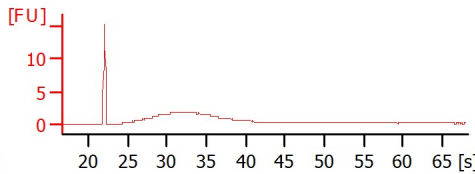
Chip Information:

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

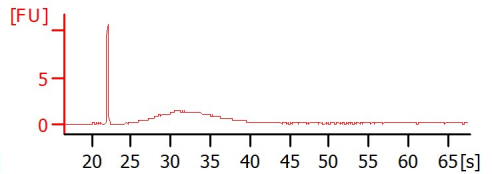
**NS103-26 BC DNA**  
RIN N/A



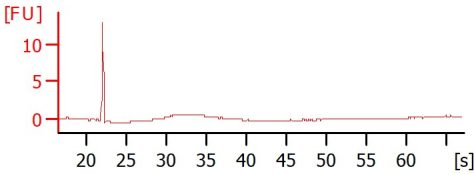
**NS103-28 BC DNA**  
RIN: 1.30



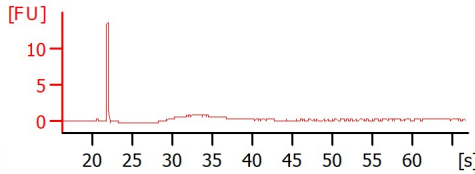
**NS103-29 BC DNA**  
RIN: 1.40



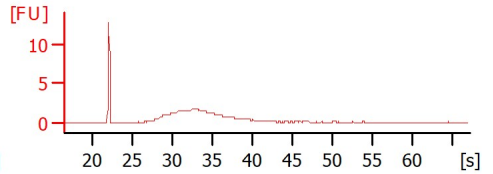
**NS103-32 BC DNA**  
RIN: 1.30



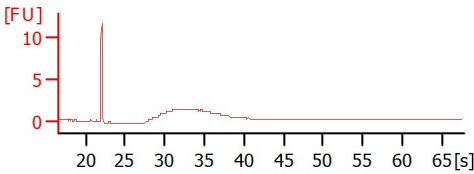
**NS103-36 BC DNA**  
RIN: 1.20



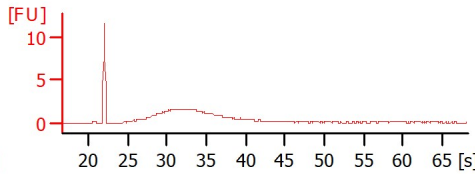
**NS103-38 BC DNA**  
RIN: 1.40



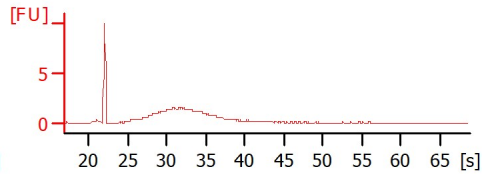
**NS103-41 BC DNA**  
RIN: 1.30



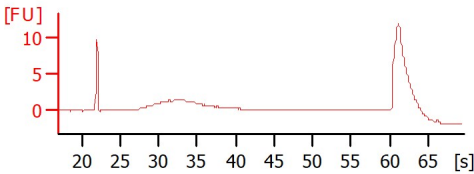
**NS103-42 BC DNA**  
RIN: 1.50



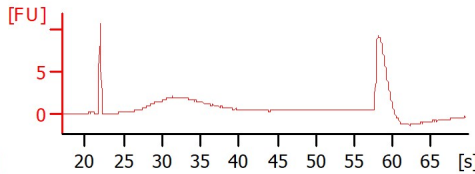
**NS103-45 BC DNA**  
RIN: 1.60



**NS103-46 BC DNA**  
RIN N/A



**NS103-47 BC DNA**  
RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
 Modified: 1/16/2020 6:34:46 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
NS103-26 BC DNA		✓	RIN N/A	
NS103-28 BC DNA		✓	RIN: 1.30	
NS103-29 BC DNA		✓	RIN: 1.40	
NS103-32 BC DNA		✓	RIN: 1.30	
NS103-36 BC DNA		✓	RIN: 1.20	
NS103-38 BC DNA		✓	RIN: 1.40	
NS103-41 BC DNA		✓	RIN: 1.30	
NS103-42 BC DNA		✓	RIN: 1.50	
NS103-45 BC DNA		✓	RIN: 1.60	
NS103-46 BC DNA		✓	RIN N/A	
NS103-47 BC DNA		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
 Modified: 1/16/2020 6:34:46 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**

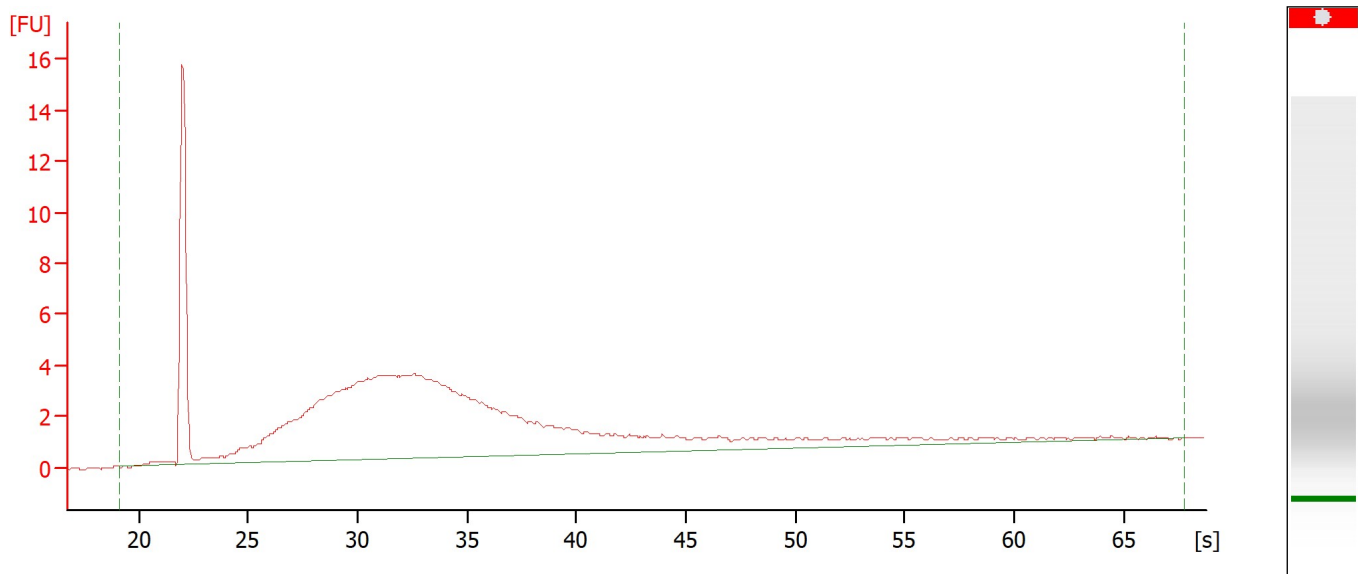
Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary**

NS103-26 BC DNA



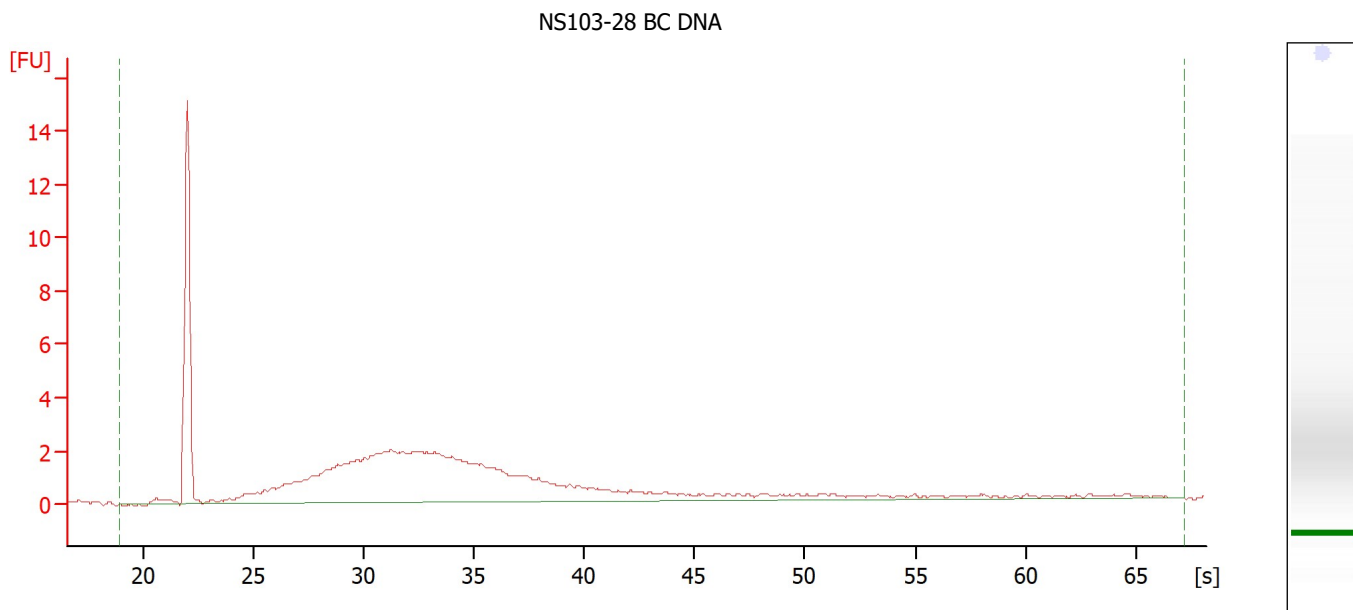
**Overall Results for sample 1 : NS103-26 BC DNA**

RNA Area:	123.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	685 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
 Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NS103-28 BC DNA**

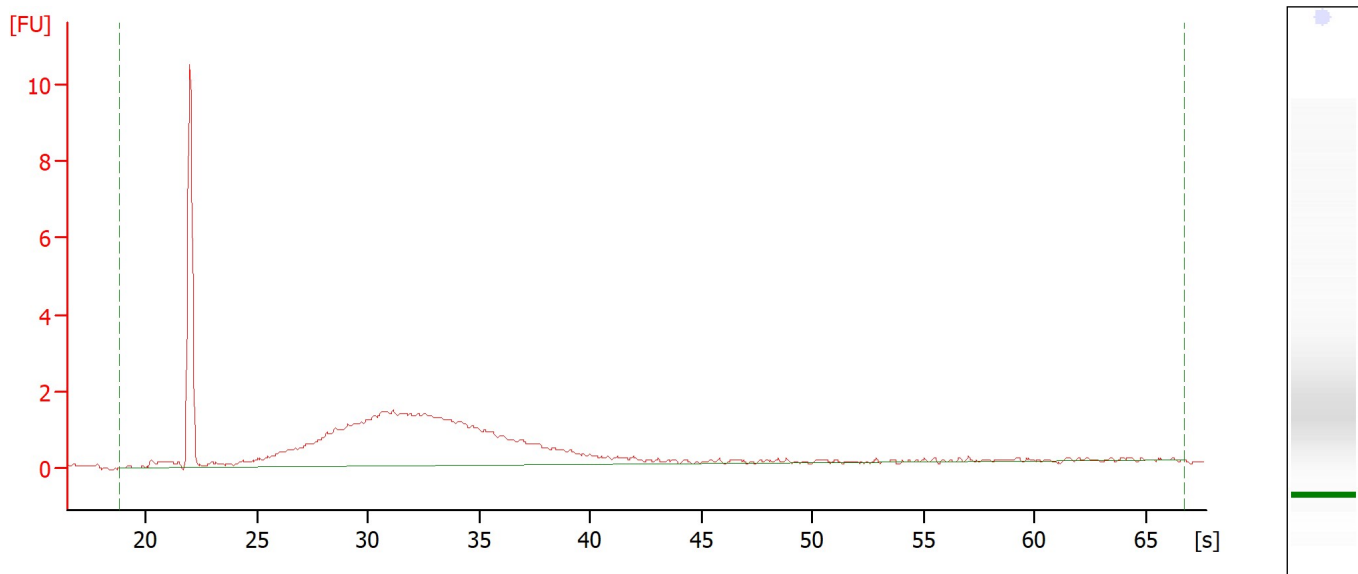
RNA Area:	69.8	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	386 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-29 BC DNA



**Overall Results for sample 3 : NS103-29 BC DNA**

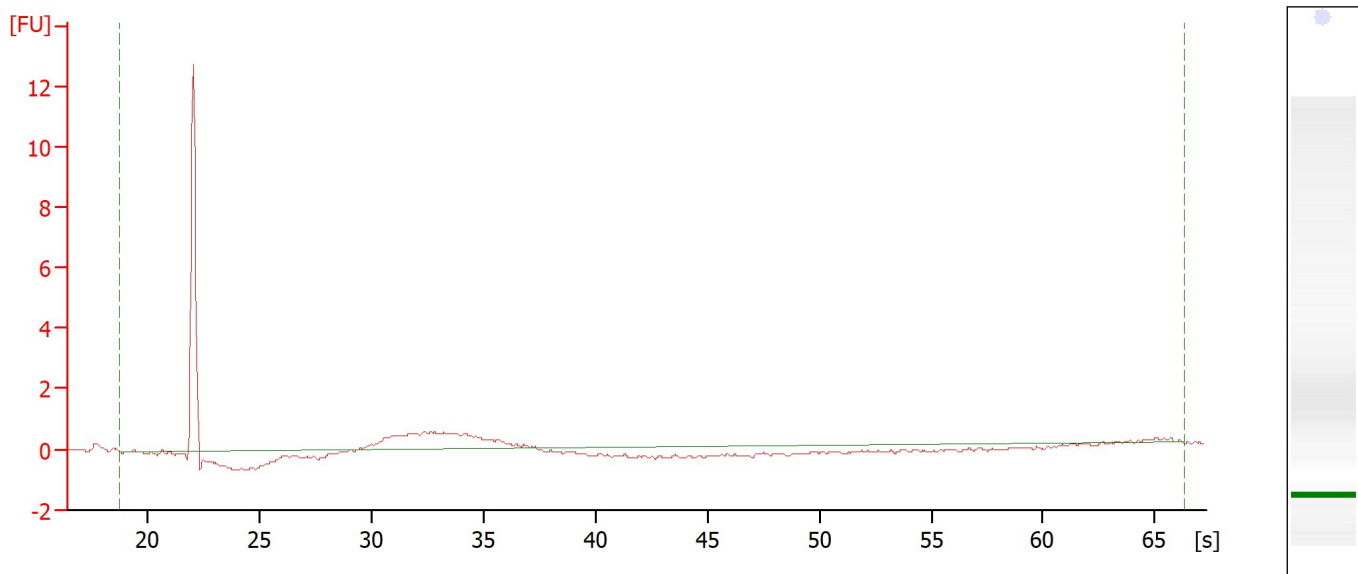
RNA Area:	41.5	RNA Integrity Number (RIN):	1.4 (B.02.10)
RNA Concentration:	230 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-32 BC DNA



**Overall Results for sample 4 : NS103-32 BC DNA**

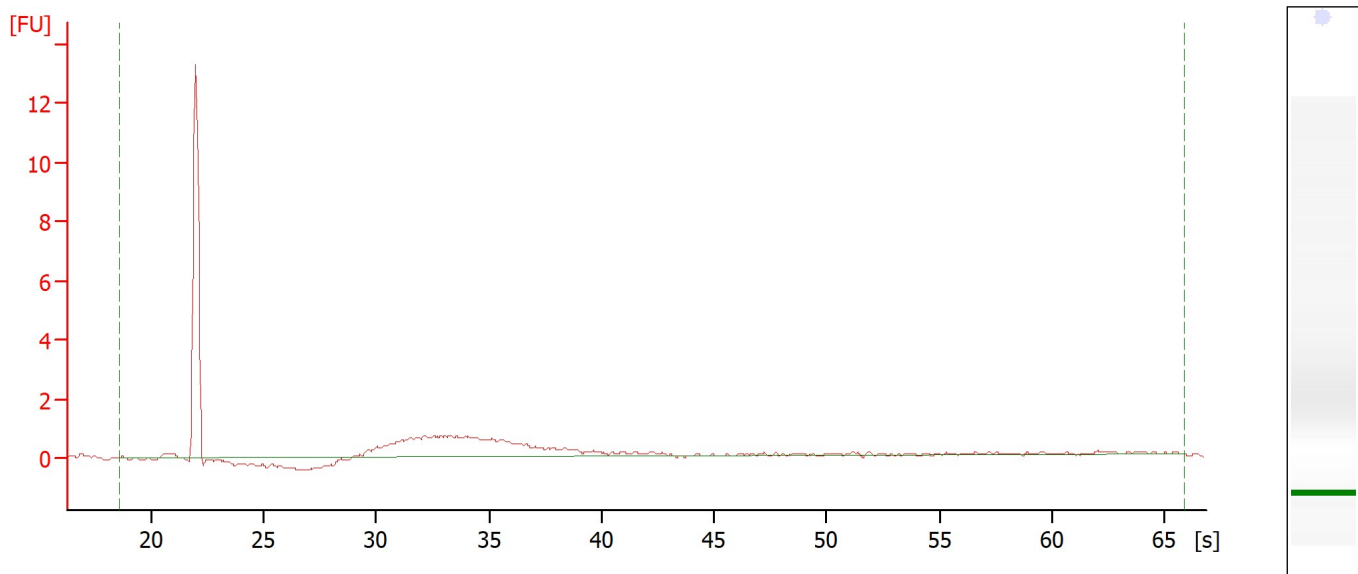
RNA Area:	7.9	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	44 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-36 BC DNA



**Overall Results for sample 5 : NS103-36 BC DNA**

RNA Area:	17.3	RNA Integrity Number (RIN):	1.2 (B.02.10)
RNA Concentration:	96 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: 1.20

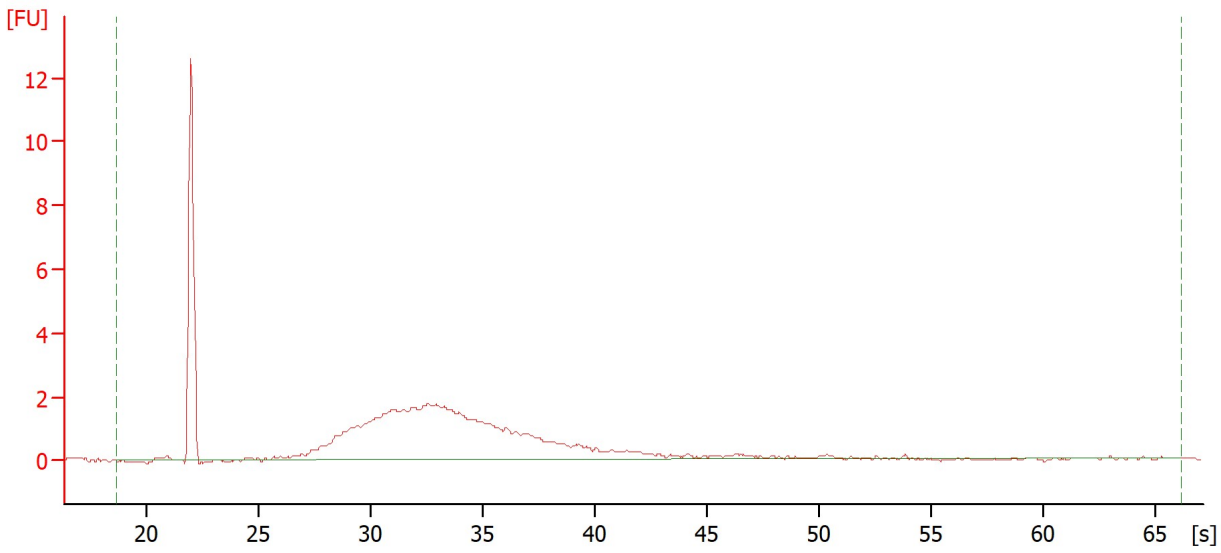


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-38 BC DNA



**Overall Results for sample 6 : NS103-38 BC DNA**

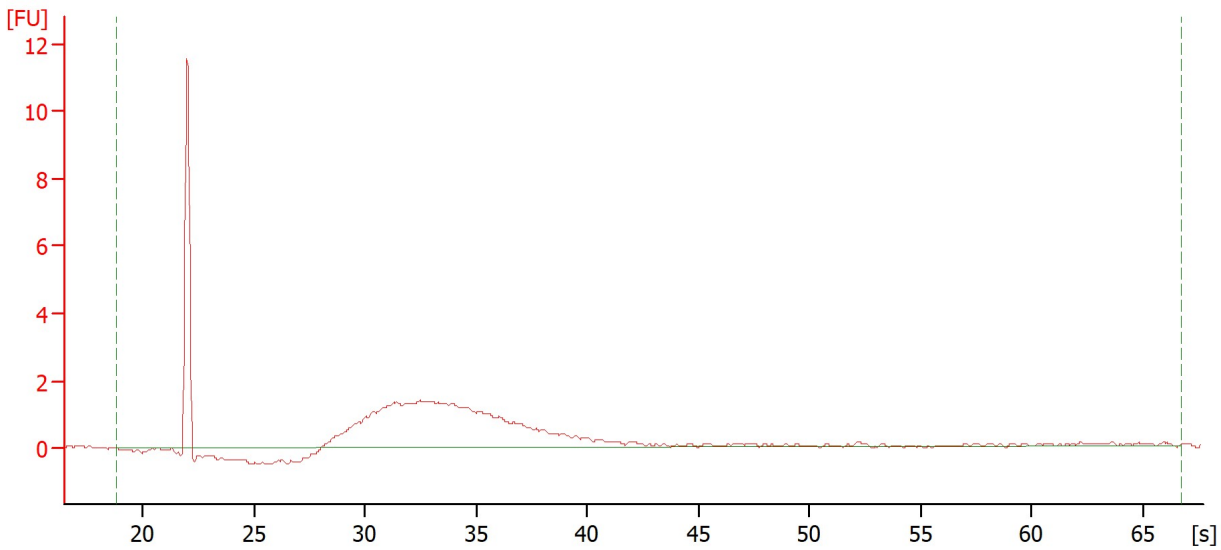
RNA Area:	44.4	RNA Integrity Number (RIN):	1.4 (B.02.10)
RNA Concentration:	245 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-41 BC DNA



**Overall Results for sample 7 : NS103-41 BC DNA**

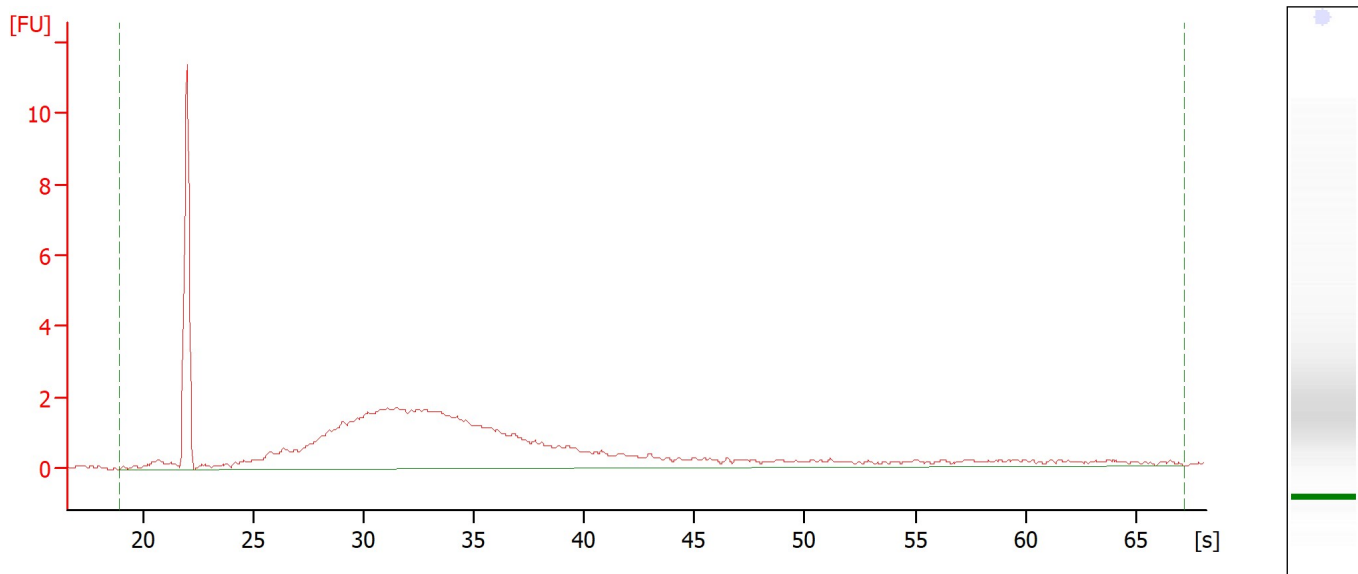
RNA Area:	32.4	RNA Integrity Number (RIN):	1.3 (B.02.10)
RNA Concentration:	179 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-42 BC DNA



**Overall Results for sample 8 : NS103-42 BC DNA**

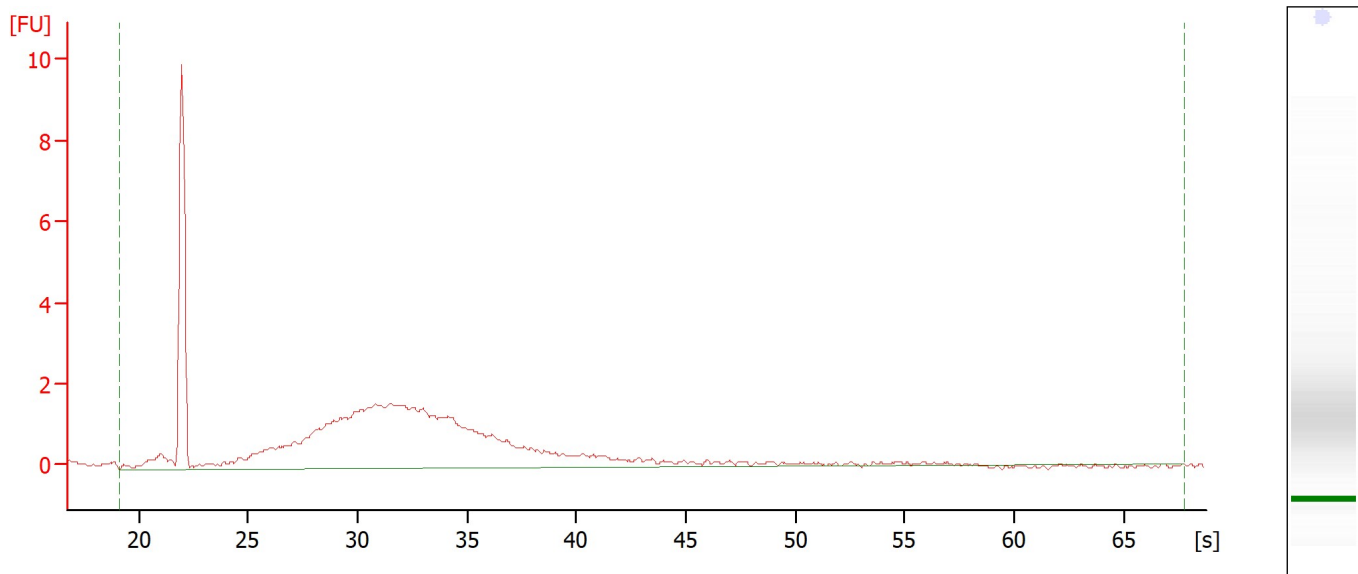
RNA Area:	62.5	RNA Integrity Number (RIN):	1.5 (B.02.10)
RNA Concentration:	346 pg/ $\mu$ l	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**

NS103-45 BC DNA



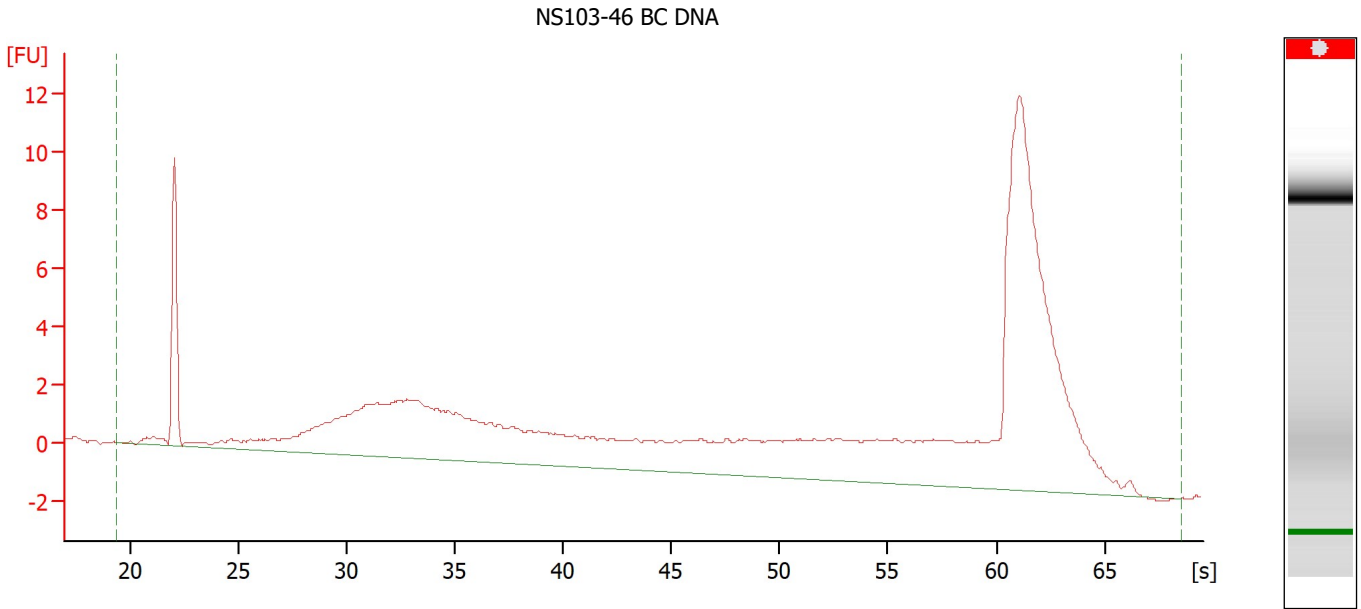
**Overall Results for sample 9 : NS103-45 BC DNA**

RNA Area:	50.3	RNA Integrity Number (RIN):	1.6 (B.02.10)
RNA Concentration:	278 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: 1.60


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**



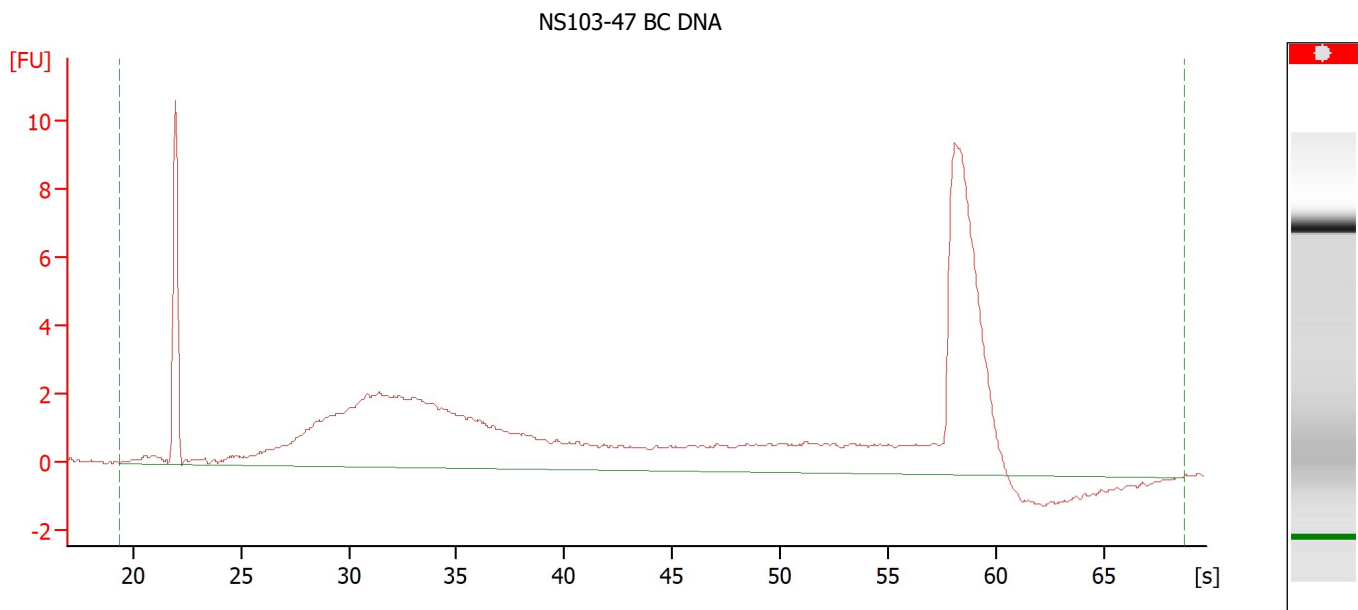
**Overall Results for sample 10 : NS103-46 BC DNA**

RNA Area:	153.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	850 pg/ $\mu$ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
 Modified: 1/16/2020 6:34:46 PM

**Electropherogram Summary Continued ...**



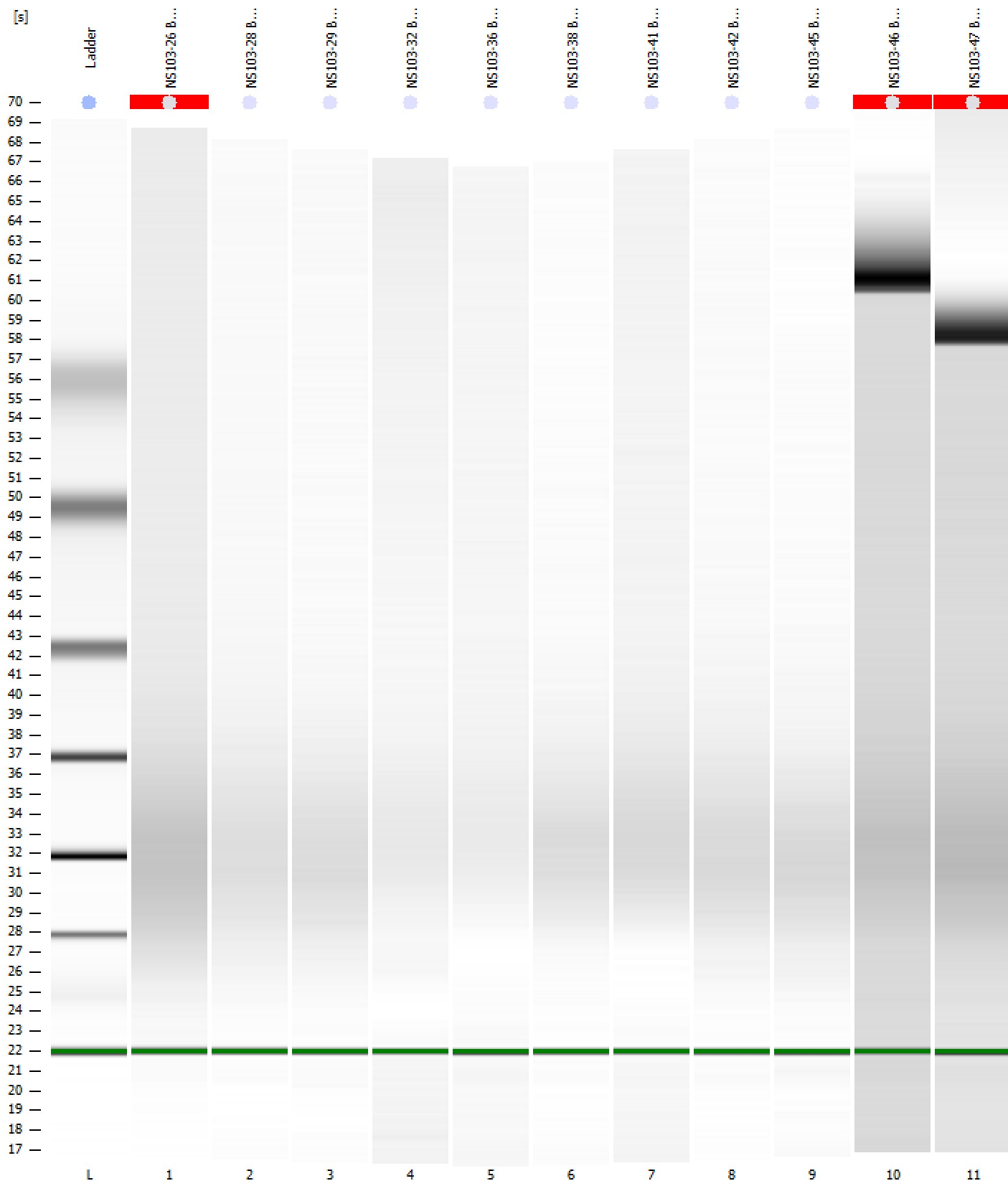
**Overall Results for sample 11 : NS103-47 BC DNA**

RNA Area:	114.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	634 µg/µl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

Gel Image

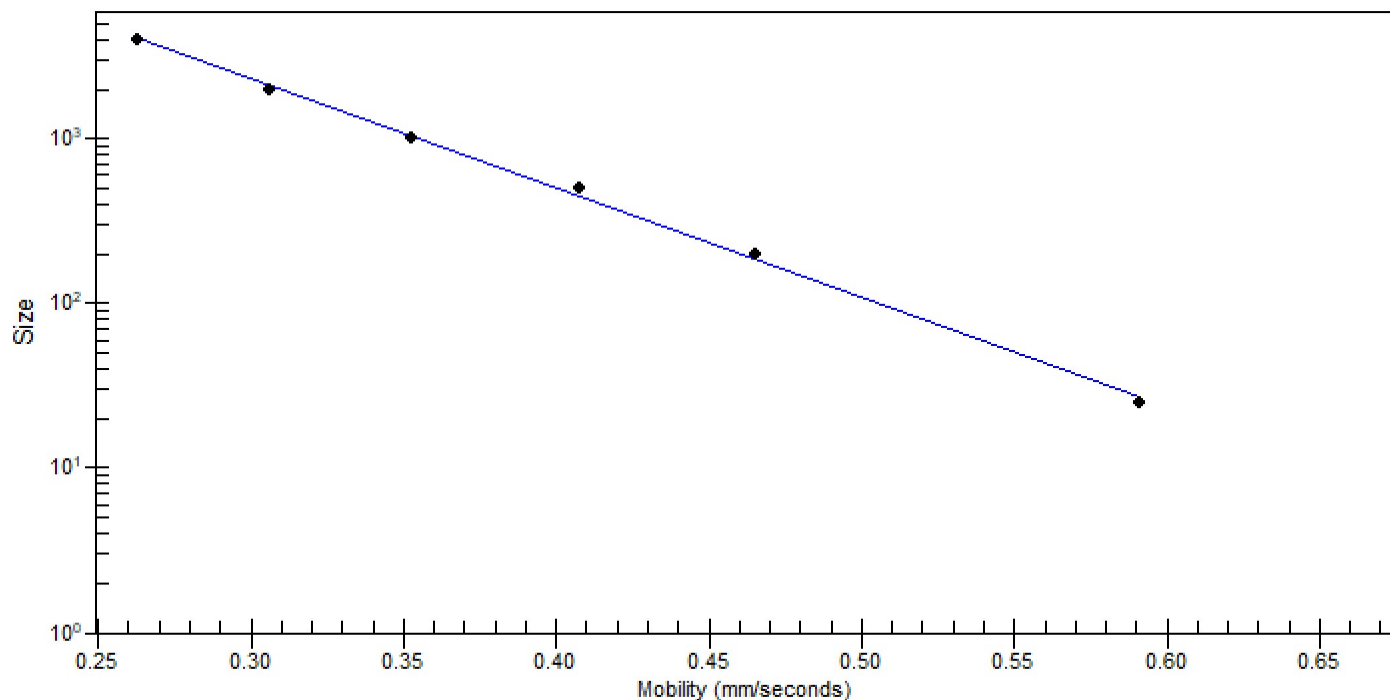


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
Modified: 1/16/2020 6:34:46 PM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...16\Bioanalyzer1\_Eukaryote Total RNA Pico\_2020-01-16\_003.xad

Created: 1/16/2020 6:12:43 PM  
 Modified: 1/16/2020 6:34:46 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/16/2020 6:34:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-01-16\Bioanalyze r1_Eukaryote Total RNA Pico_2020-01-16_003.xad)		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2020 6:12:49 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB