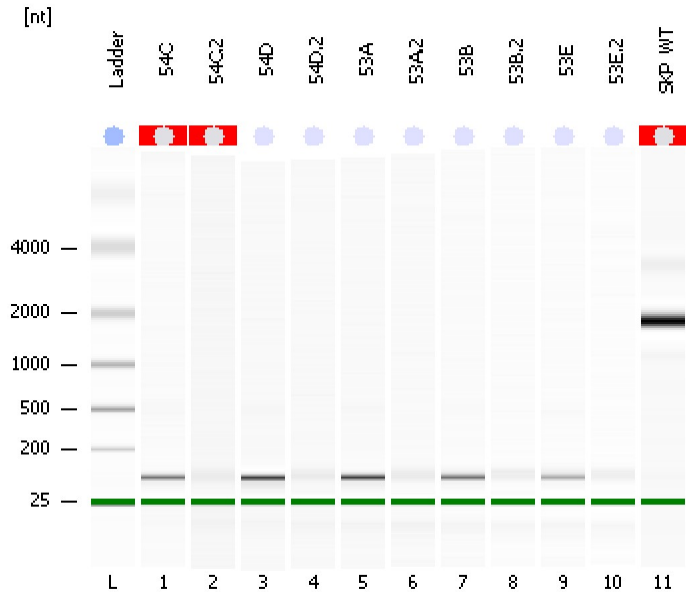


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

Electrophoresis File Run Summary



Instrument Information:

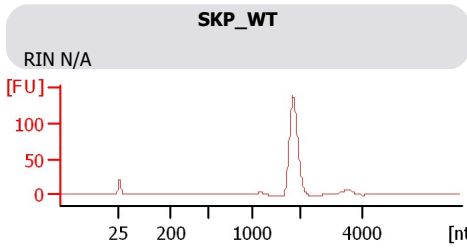
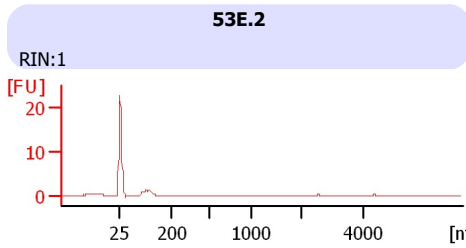
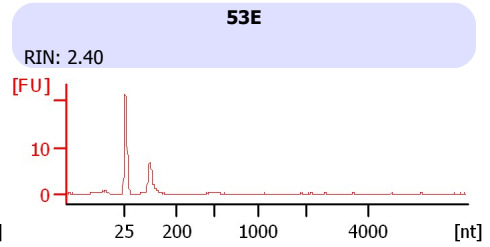
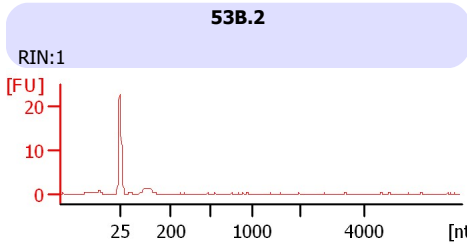
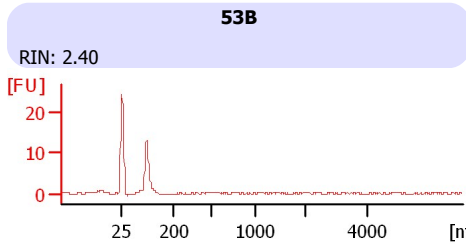
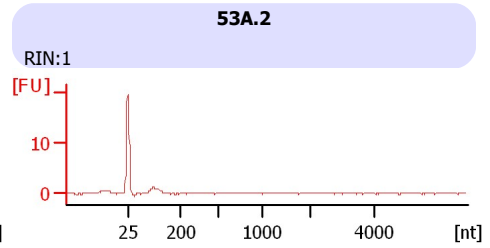
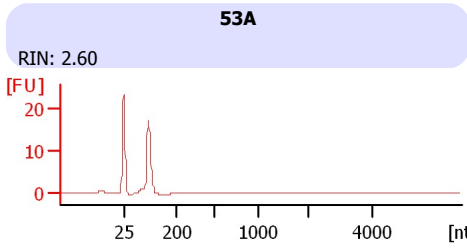
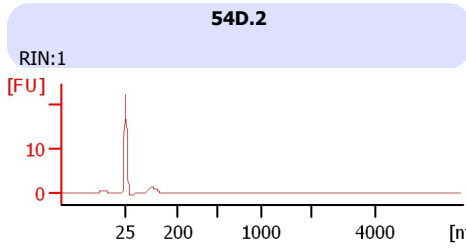
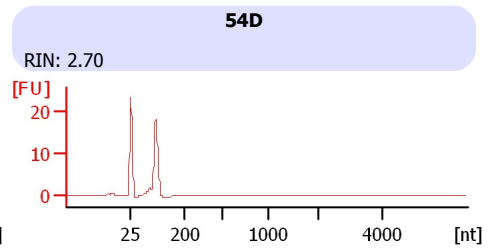
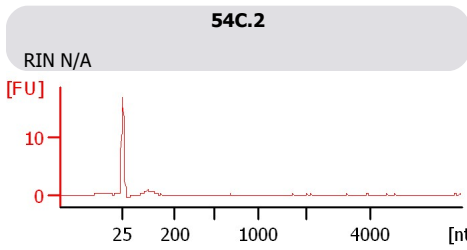
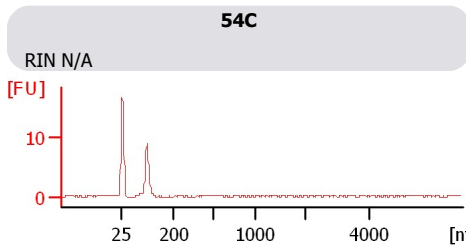
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
54C		✓	RIN N/A	
54C.2		✓	RIN N/A	
54D		✓	RIN: 2.70	
54D.2		✓	RIN:1	
53A		✓	RIN: 2.60	
53A.2		✓	RIN:1	
53B		✓	RIN: 2.40	
53B.2		✓	RIN:1	
53E		✓	RIN: 2.40	
53E.2		✓	RIN:1	
SKP_WT		✓	RIN N/A	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

## 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/ $\mu$ l] : 1000  
Lower Marker Concentration [pg/ $\mu$ l] : 0  
Upper Marker Concentration [pg/ $\mu$ 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

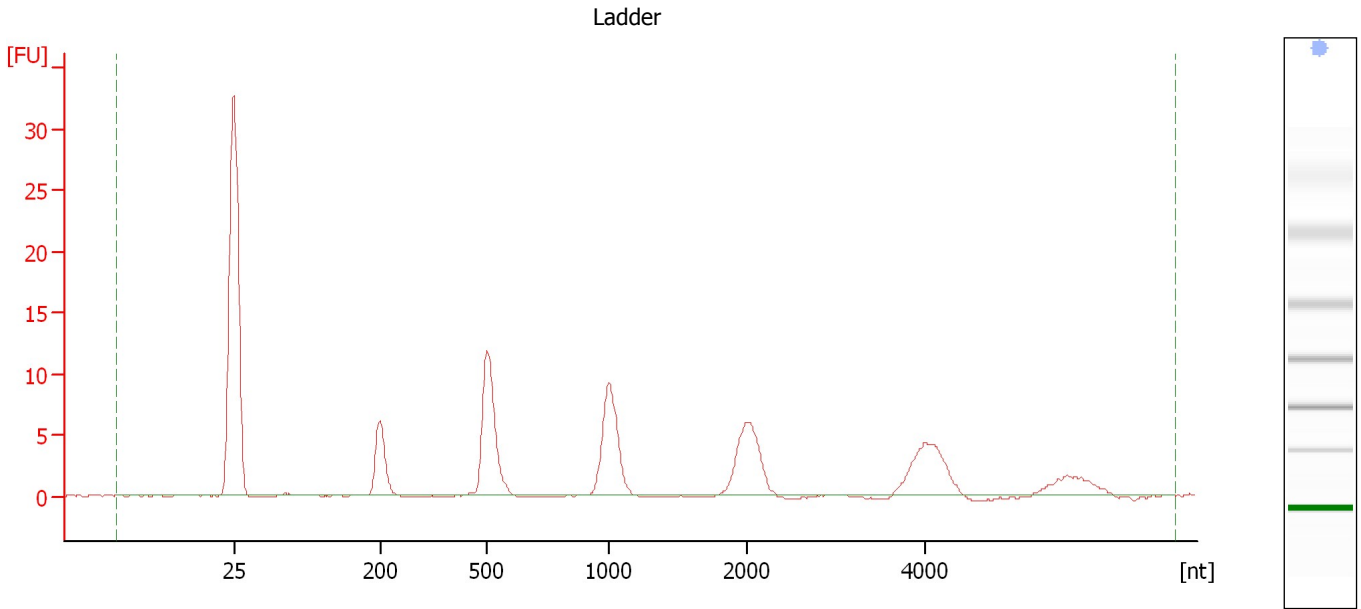
### Ladder

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary**



**Overall Results for Ladder**

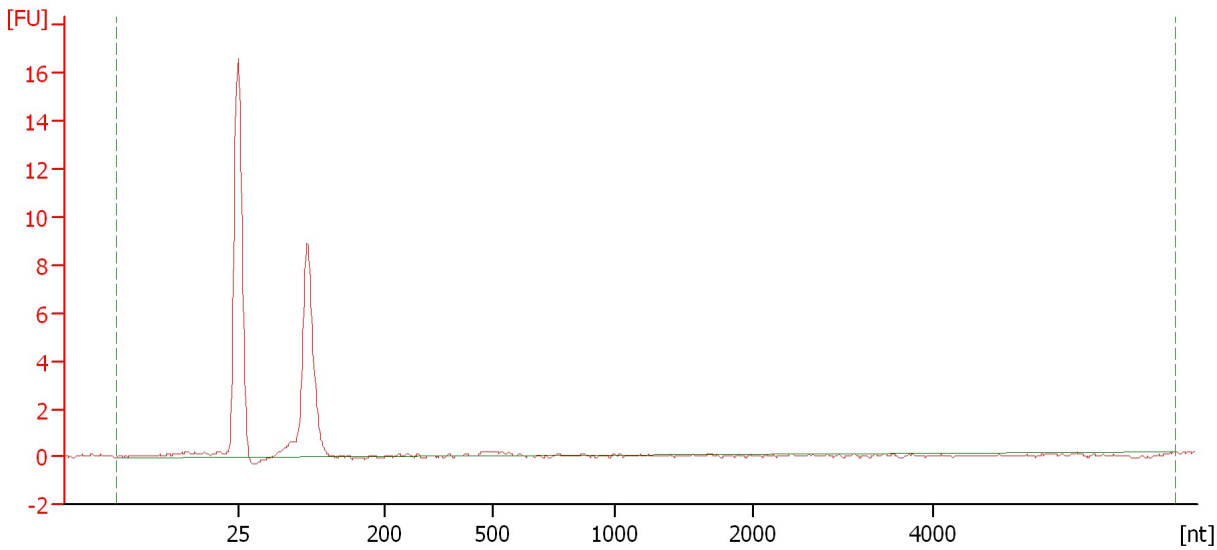
RNA Area:	85.8	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**

54C



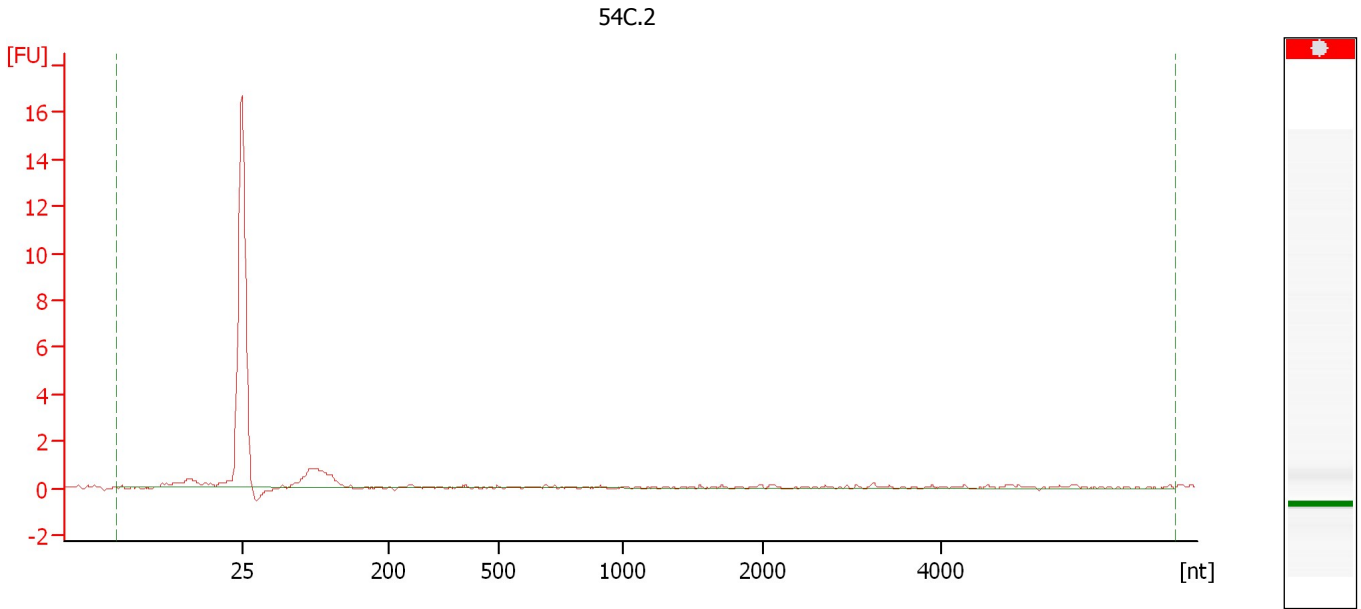
**Overall Results for sample 1 : 54C**

RNA Area:	22.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	260 pg/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: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



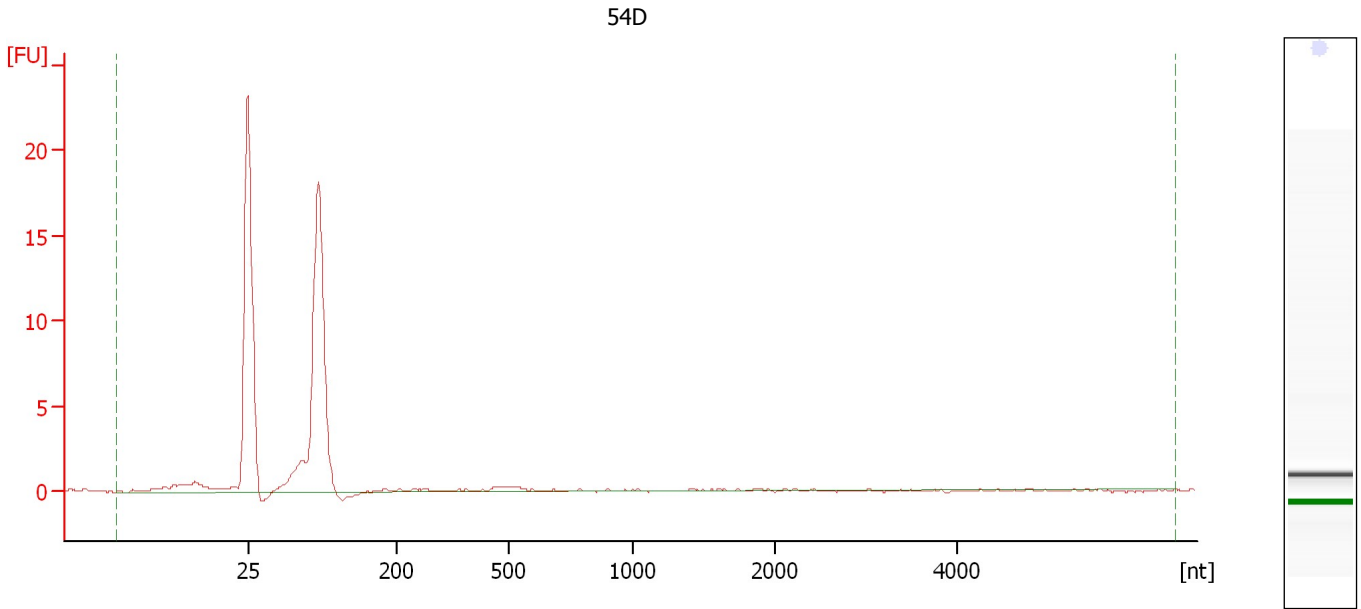
**Overall Results for sample 2 : 54C.2**

RNA Area:	9.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	109 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: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



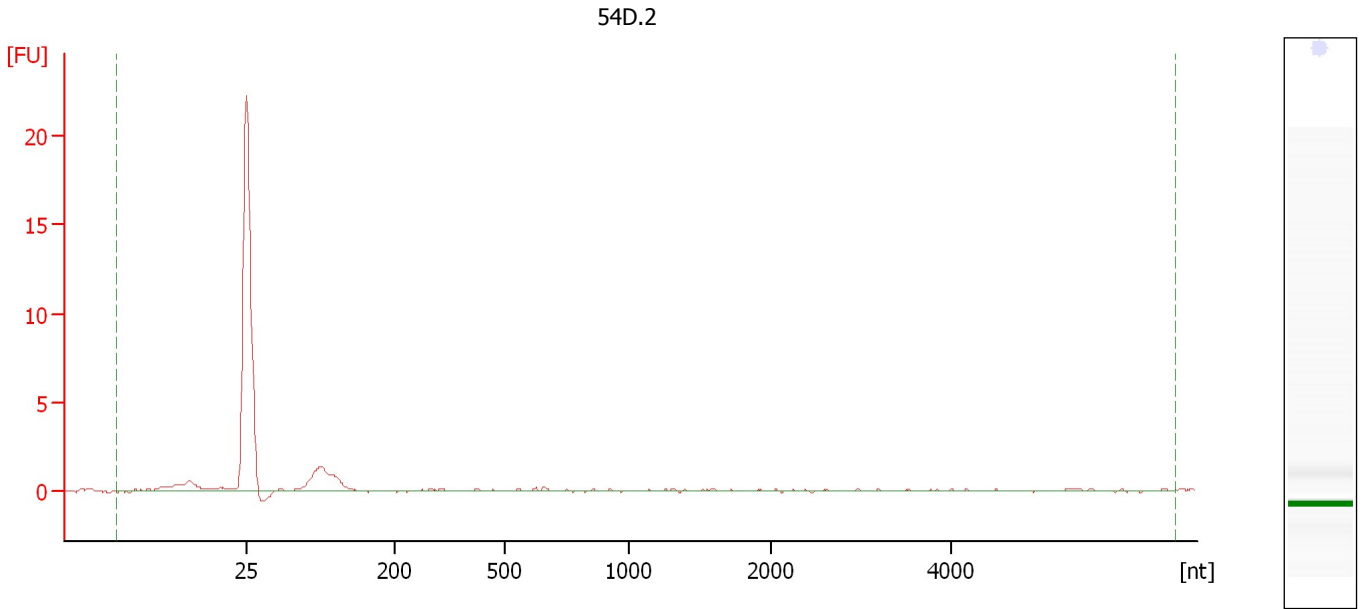
**Overall Results for sample 3 : 54D**

RNA Area:	49.3	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	575 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: 2.70

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 54D.2**

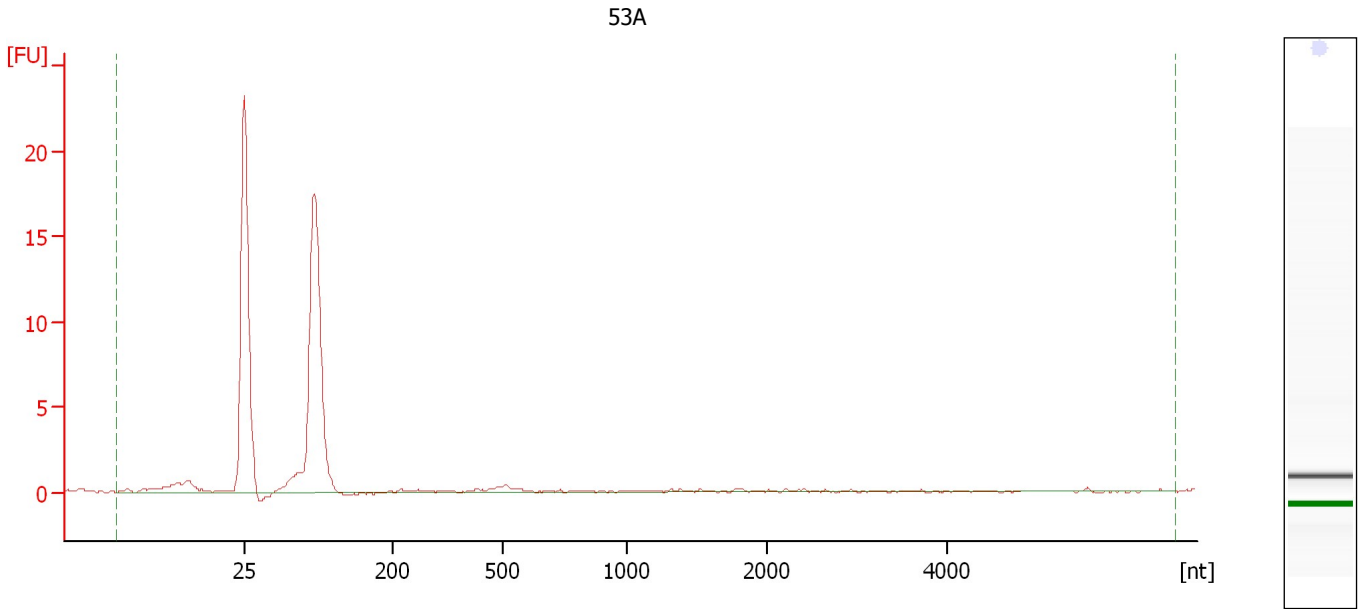
RNA Area:	13.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	153 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



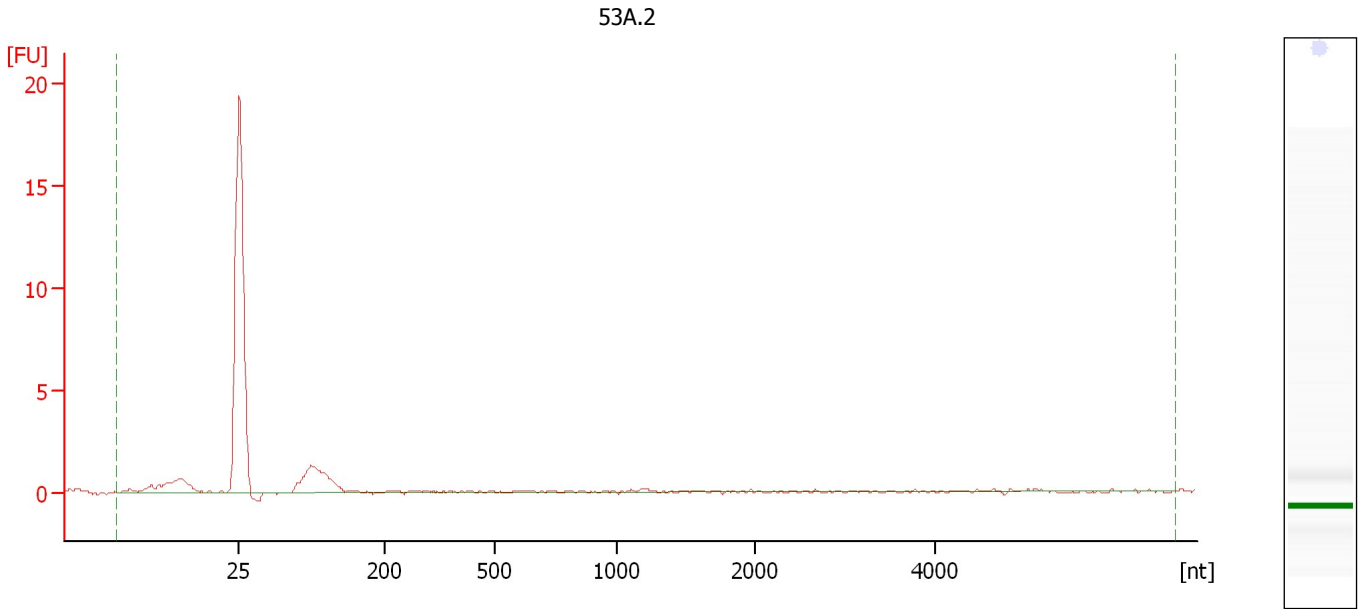
**Overall Results for sample 5 : 53A**

RNA Area:	46.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	540 µg/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: 2.60

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



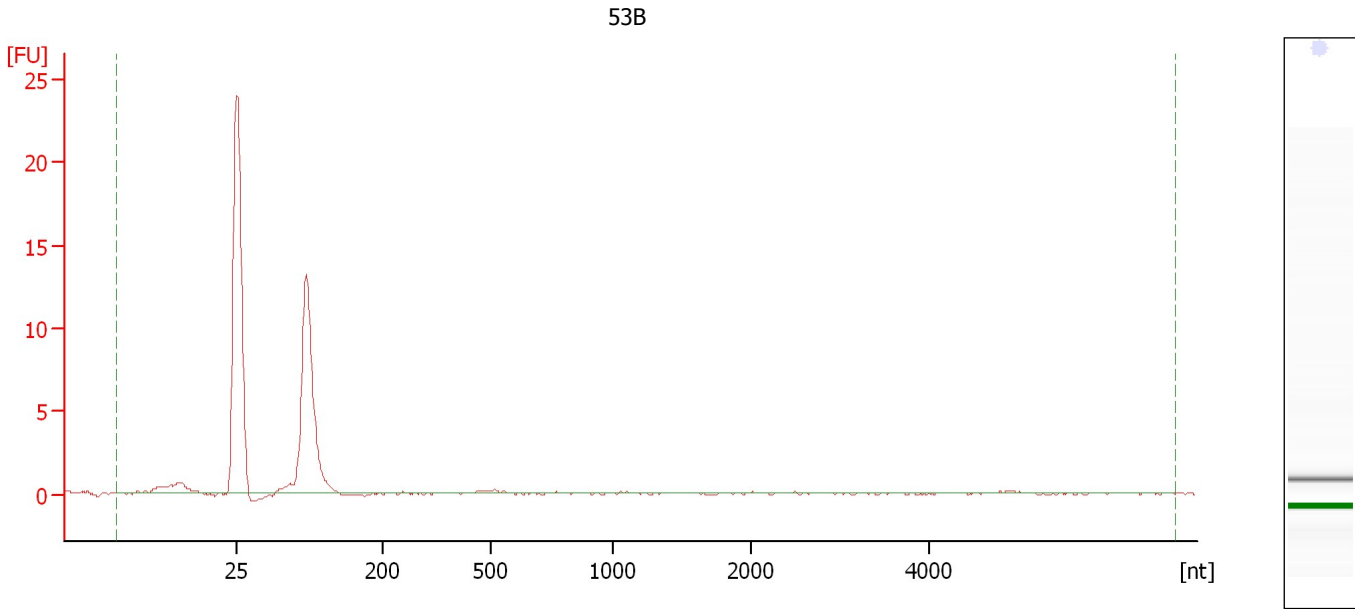
**Overall Results for sample 6 : 53A.2**

RNA Area:	11.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	131 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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



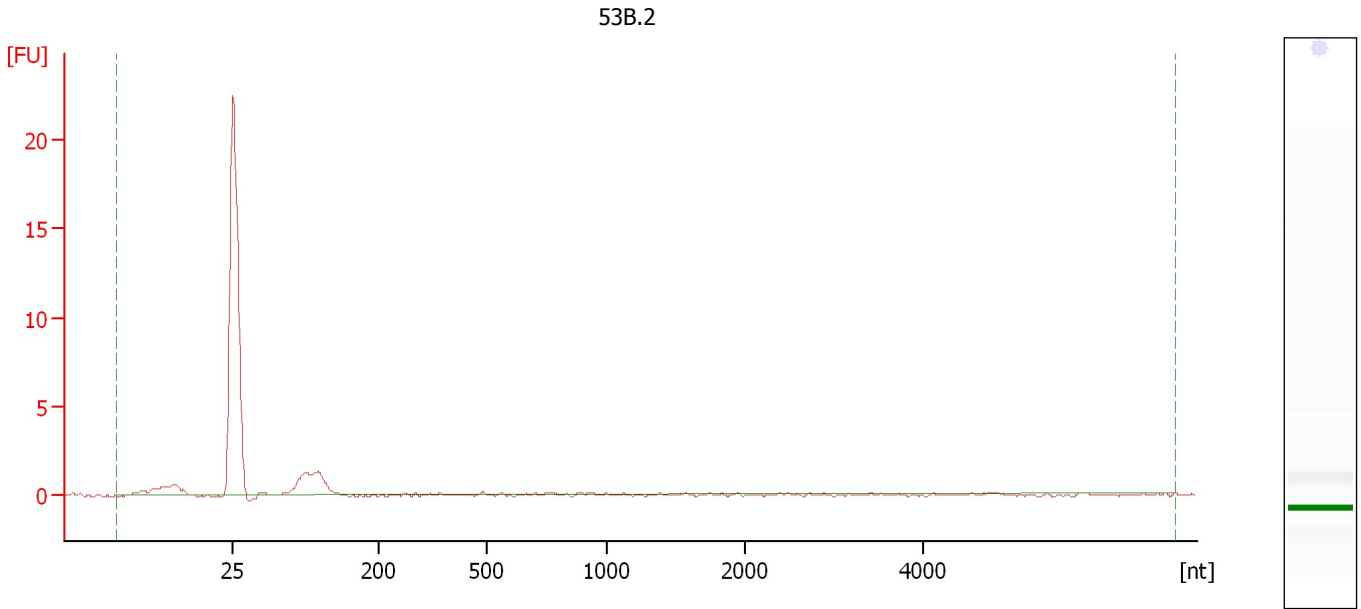
**Overall Results for sample 7 : 53B**

RNA Area:	36.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	424 µg/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: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



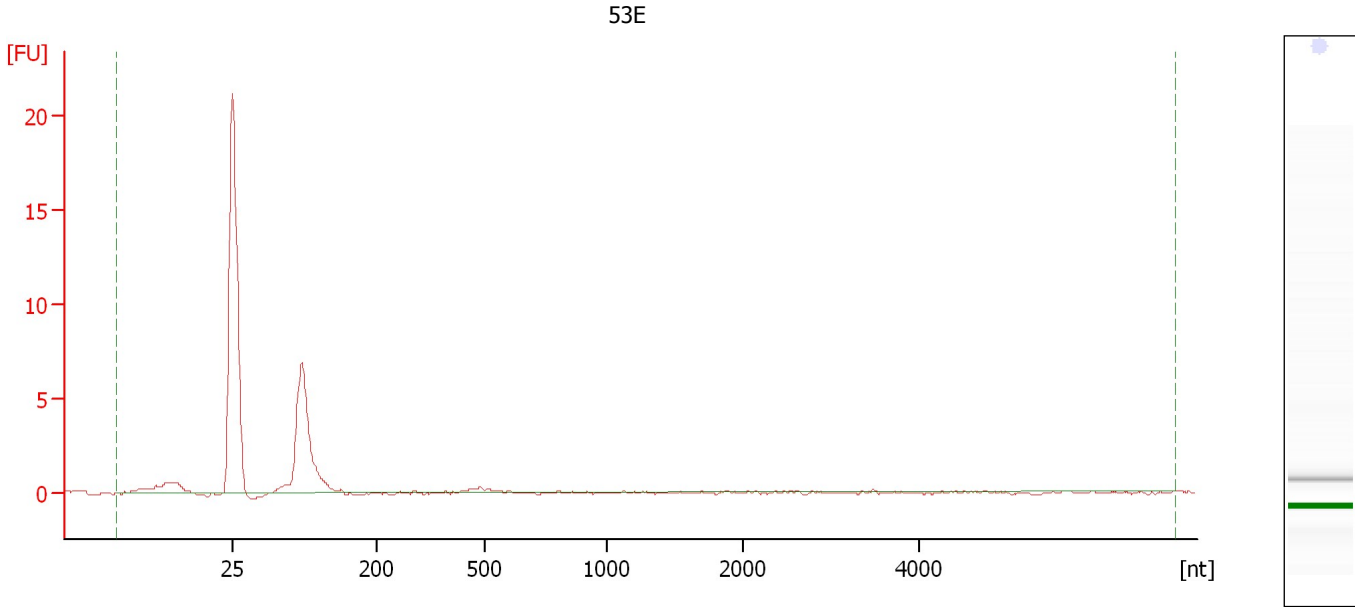
**Overall Results for sample 8 : 53B.2**

RNA Area:	13.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	152 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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



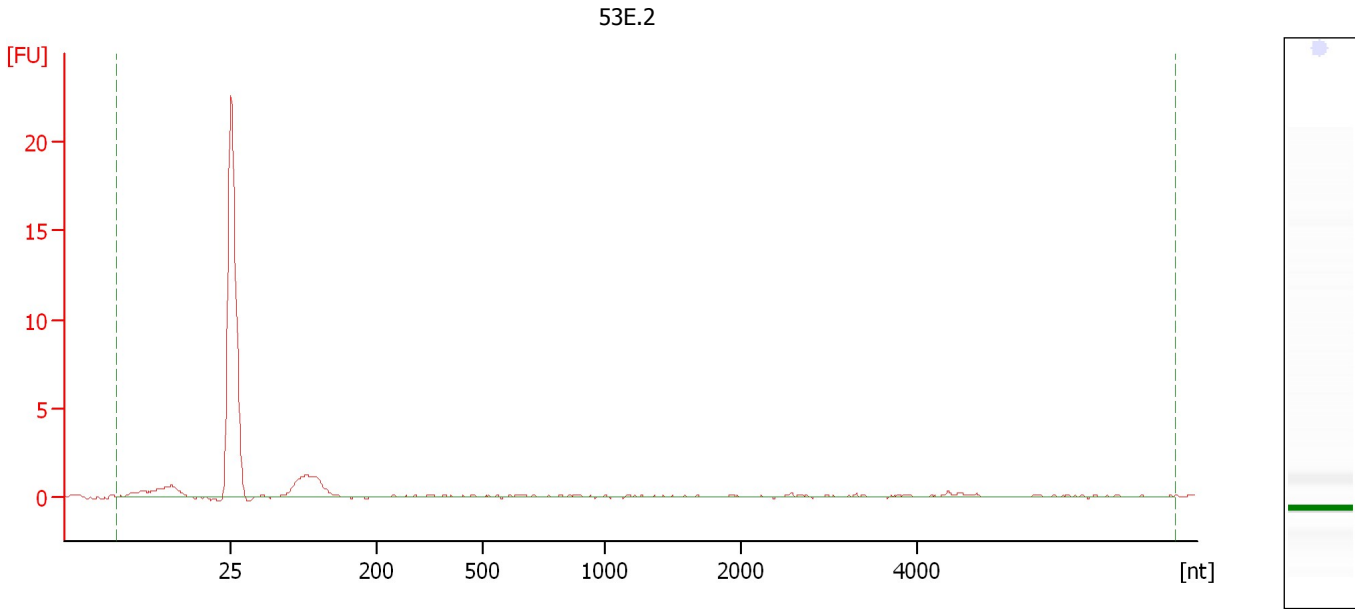
**Overall Results for sample 9 : 53E**

RNA Area:	22.6	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	263 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: 2.40

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



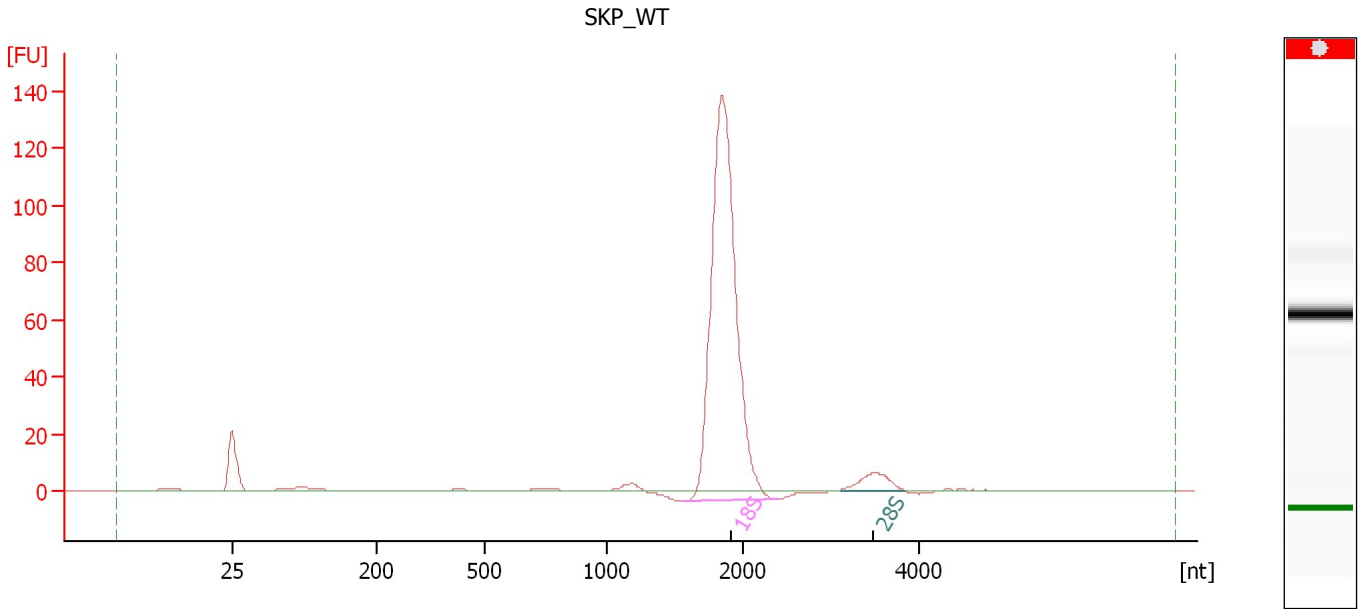
**Overall Results for sample 10 : 53E.2**

RNA Area:	13.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	153 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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : SKP\_WT**

RNA Area:	421.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,910 pg/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

**Fragment table for sample 11 : SKP\_WT**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	2,410	393.1	93.3
28S	3,099	3,825	17.2	4.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-27\2015-08-27\_001.xad

Created: 8/27/2015 9:36:28 AM  
Modified: 8/27/2015 10:02:57 AM

**Gel Image**

