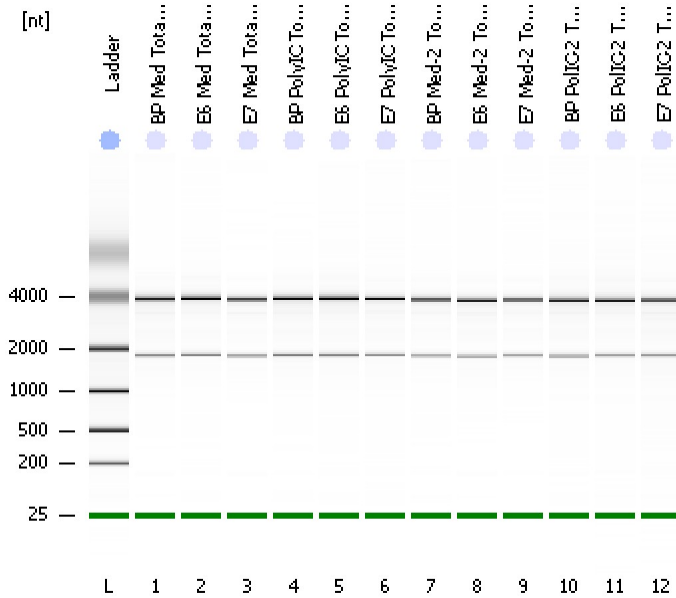


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

Electrophoresis File Run Summary



Instrument Information:

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

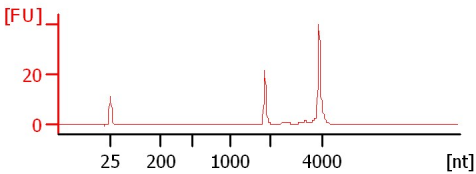
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
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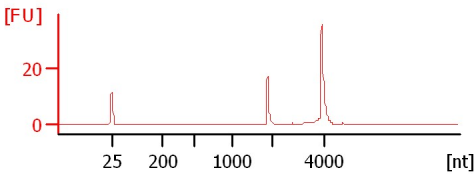
Chip Information:

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

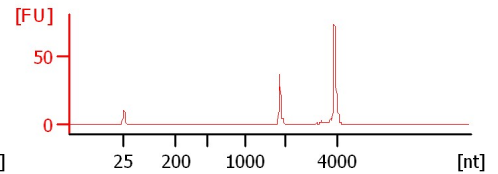
**BP Med Total RNA**  
RIN: 9.90



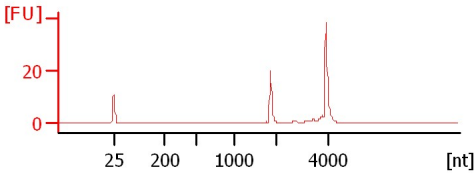
**E6 Med Total RNA**  
RIN: 9.80



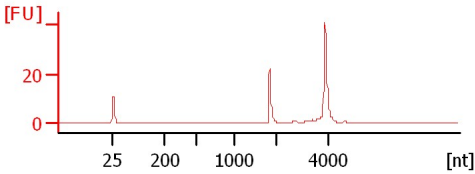
**E7 Med Total RNA**  
RIN: 9.90



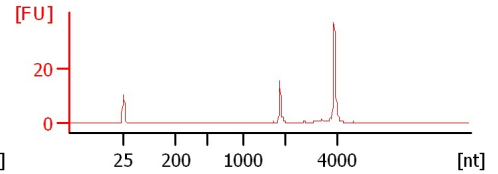
**BP PolyIC Total RNA**  
RIN: 9.60



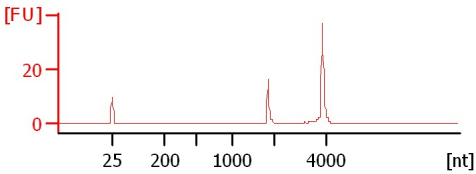
**E6 PolyIC Total RNA**  
RIN: 10



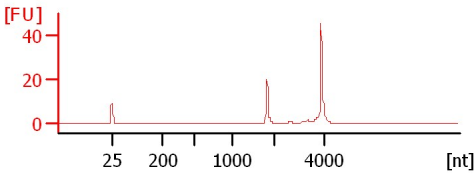
**E7 PolyIC Total RNA**  
RIN: 9.30



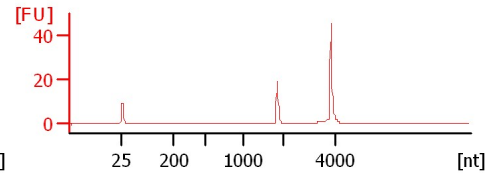
**BP Med-2 Total RNA**  
RIN: 9.60



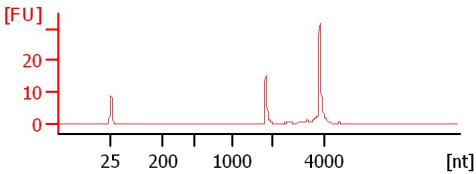
**E6 Med-2 Total RNA**  
RIN: 9.40



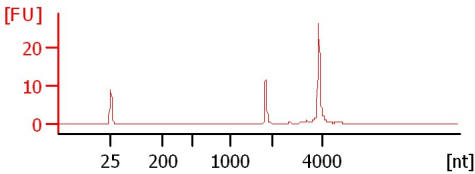
**E7 Med-2 Total RNA**  
RIN: 9.50



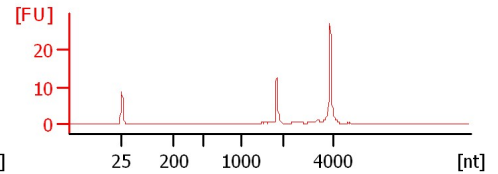
**BP PolIC-2 Total RNA**  
RIN: 9.60



**E6 PolIC-2 Total RNA**  
RIN: 9.40



**E7 PolIC-2 Total RNA**  
RIN: 9.10



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
BP Med Total RNA		✓	RIN: 9.90	
E6 Med Total RNA		✓	RIN: 9.80	
E7 Med Total RNA		✓	RIN: 9.90	
BP PolyIC Total RNA		✓	RIN: 9.60	
E6 PolyIC Total RNA		✓	RIN:10	
E7 PolyIC Total RNA		✓	RIN: 9.30	
BP Med-2 Total RNA		✓	RIN: 9.60	
E6 Med-2 Total RNA		✓	RIN: 9.40	
E7 Med-2 Total RNA		✓	RIN: 9.50	
BP PolIC-2 Total RNA		✓	RIN: 9.60	
E6 PolIC-2 Total RNA		✓	RIN: 9.40	
E7 PolIC-2 Total RNA		✓	RIN: 9.10	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ l] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

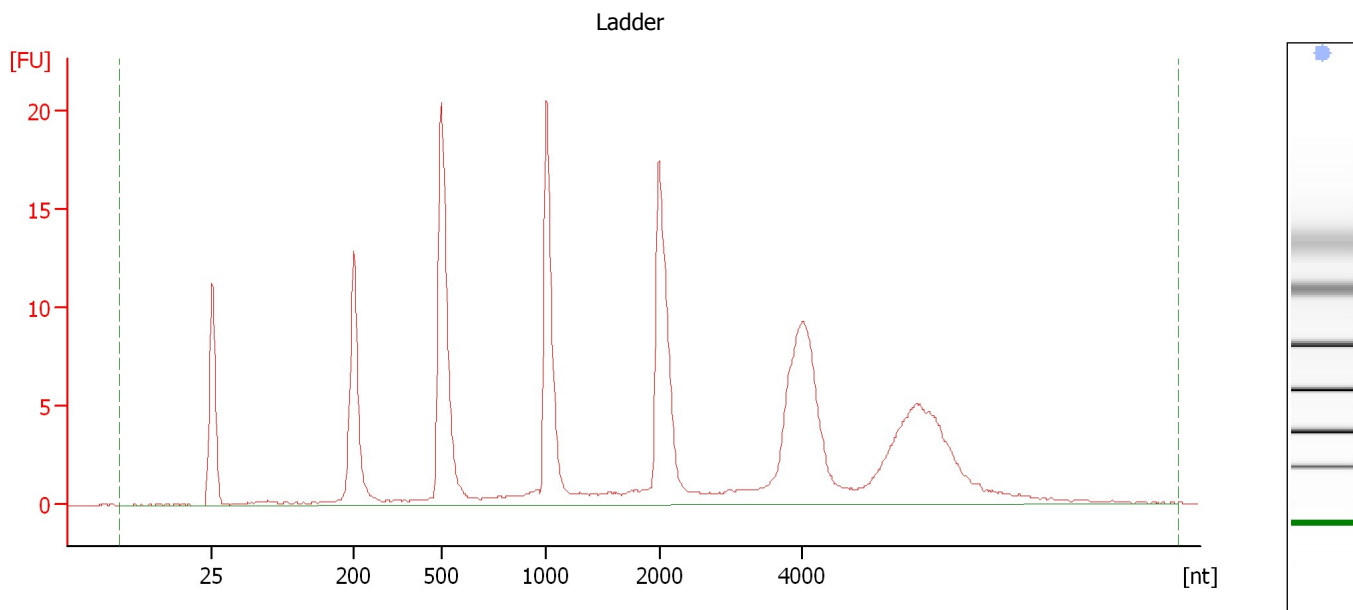
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary**



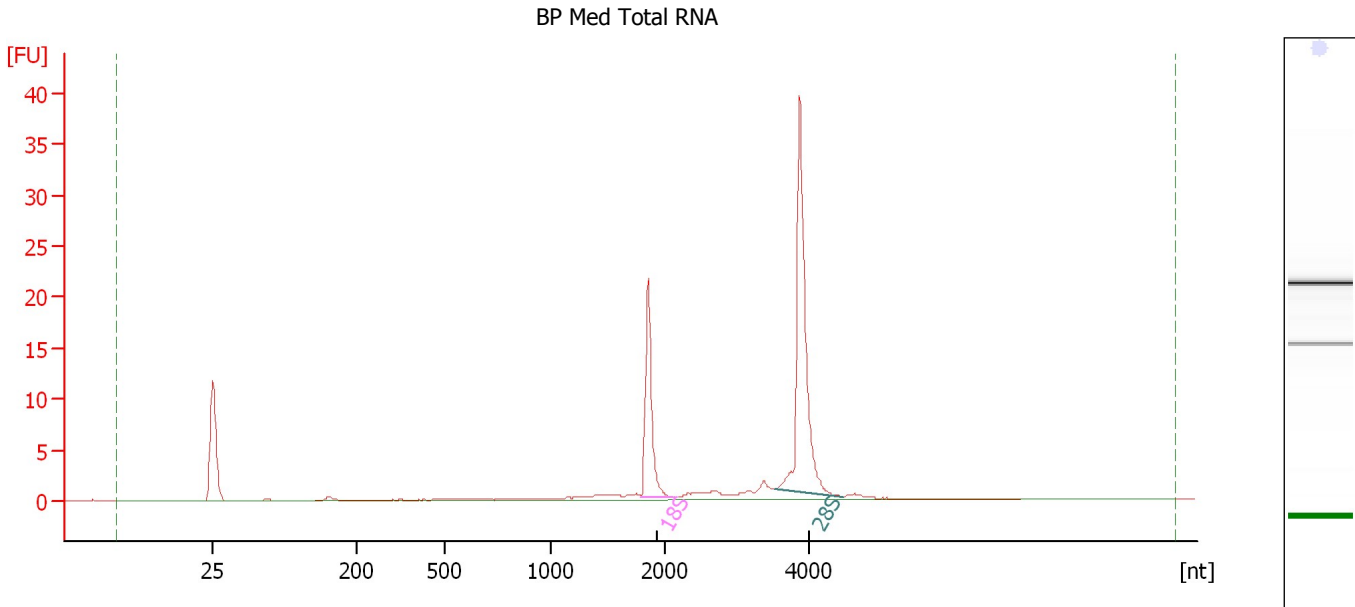
**Overall Results for Ladder**

RNA Area:	178.3	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : BP Med Total RNA**

RNA Area: 69.0 RNA Integrity Number (RIN): 9.9 (B.02.08)  
RNA Concentration: 58 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.90

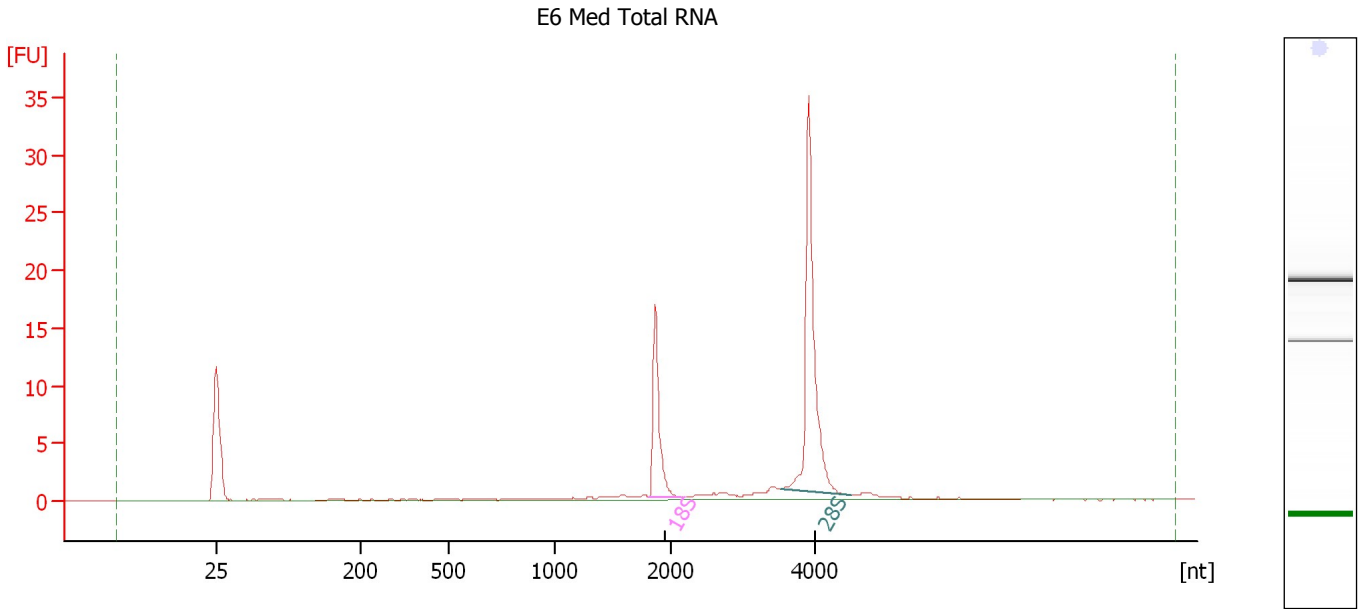
**Fragment table for sample 1 : BP Med Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,798	2,125	15.8	22.9
28S	3,516	4,478	33.5	48.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : E6 Med Total RNA**

RNA Area: 56.4 RNA Integrity Number (RIN): 9.8 (B.02.08)  
RNA Concentration: 47 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 9.80

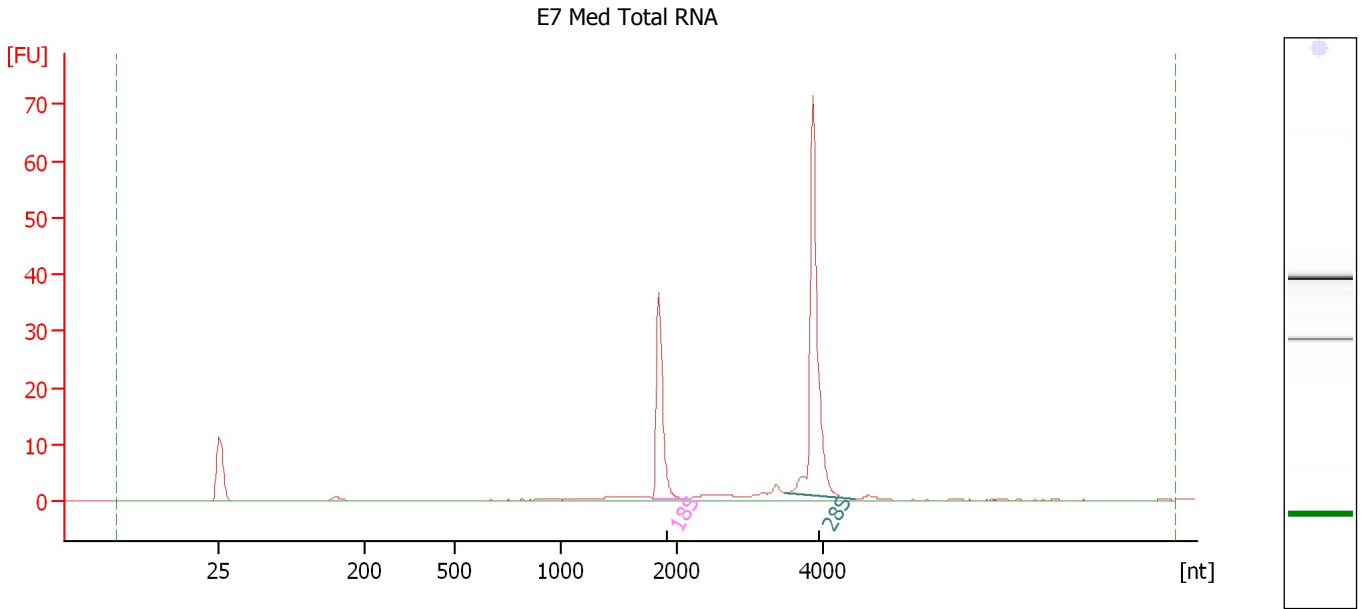
**Fragment table for sample 2 : E6 Med Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,812	2,144	12.7	22.5
28S	3,512	4,483	30.1	53.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : E7 Med Total RNA**

RNA Area: 109.0 RNA Integrity Number (RIN): 9.9 (B.02.08)  
RNA Concentration: 92 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.90

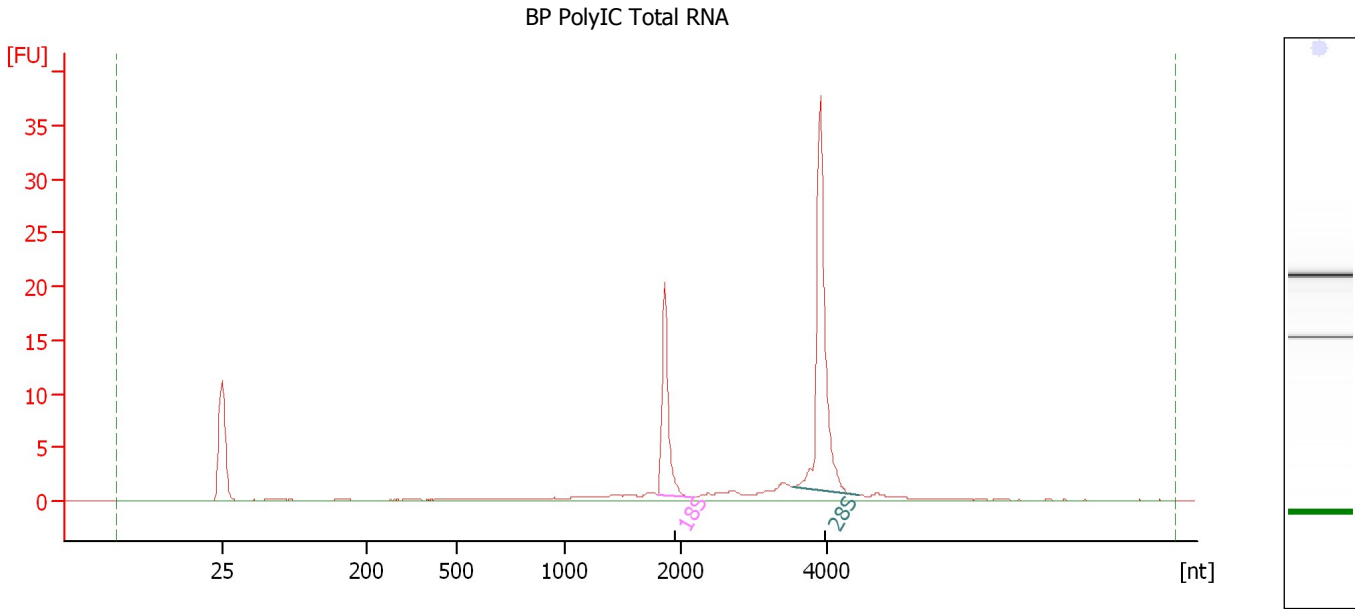
**Fragment table for sample 3 : E7 Med Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,798	2,090	26.6	24.4
28S	3,493	4,429	55.3	50.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : BP PolyIC Total RNA**

RNA Area:	76.1	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	64 ng/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: 9.60

**Fragment table for sample 4 : BP PolyIC Total RNA**

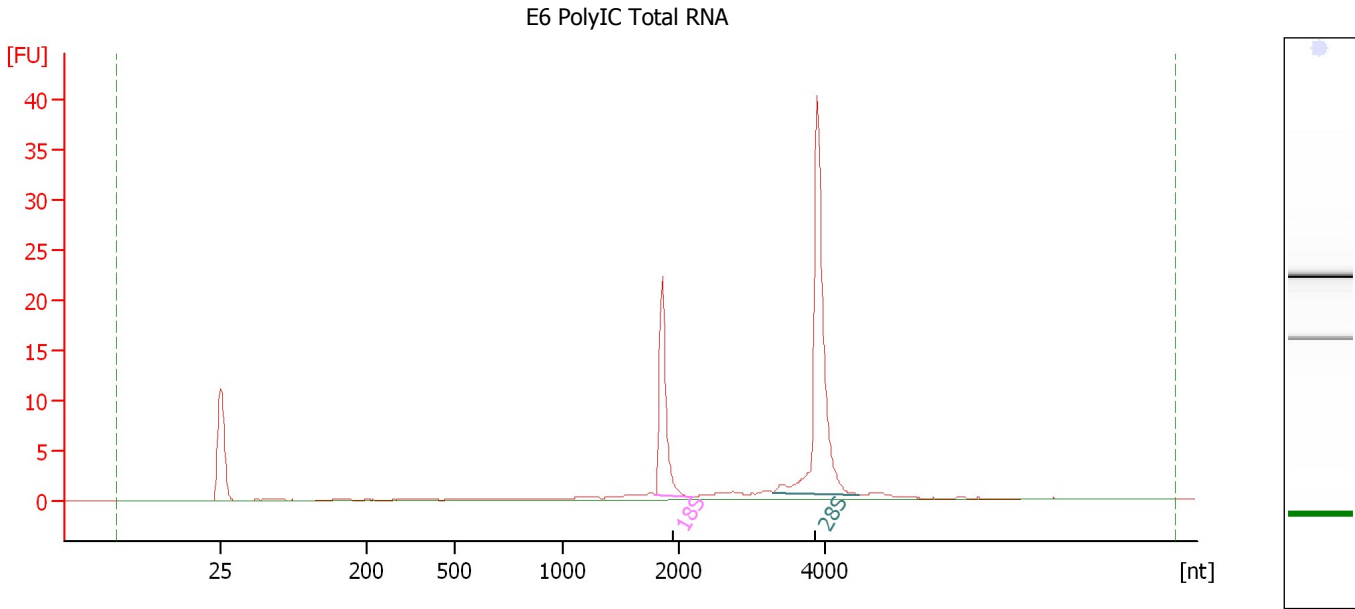
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,810	2,137	14.9	19.5
28S	3,520	4,423	30.2	39.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : E6 PolyIC Total RNA**

RNA Area: 74.9                      RNA Integrity Number (RIN): 10 (B.02.08)  
RNA Concentration: 63 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.3              Result Flagging Label: RIN:10

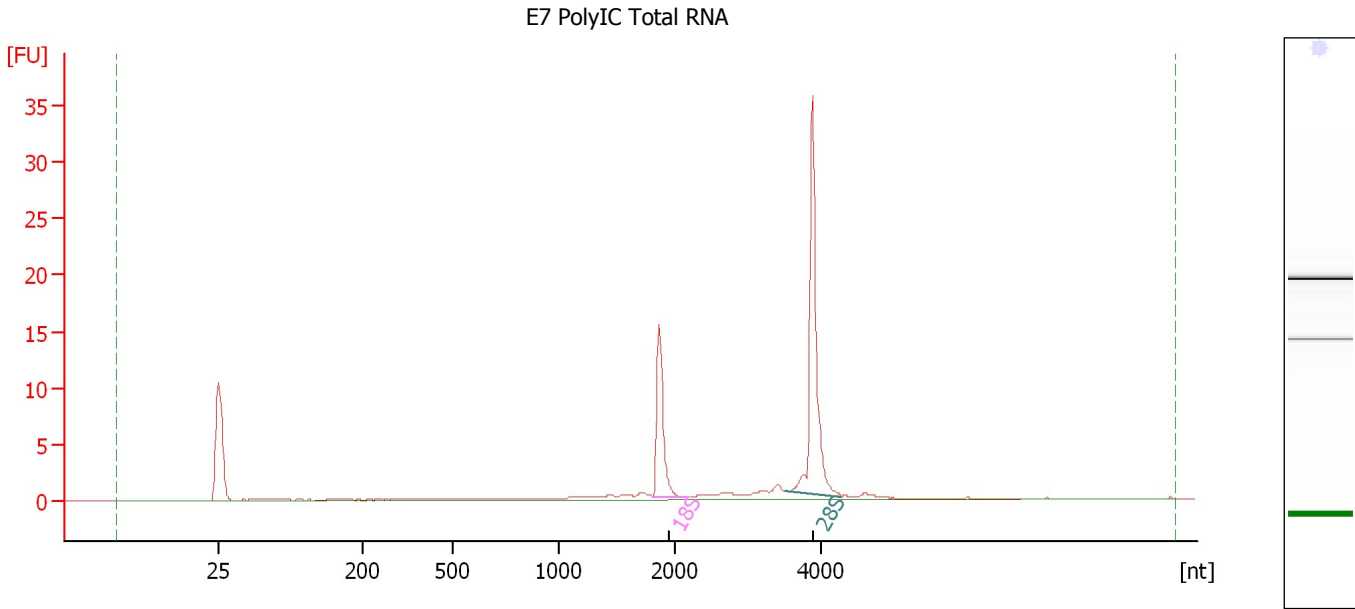
**Fragment table for sample 5 : E6 PolyIC Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	2,194	16.5	22.1
28S	3,273	4,470	38.0	50.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : E7 PolyIC Total RNA**

RNA Area: 52.0 RNA Integrity Number (RIN): 9.3 (B.02.08)  
RNA Concentration: 44 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.30

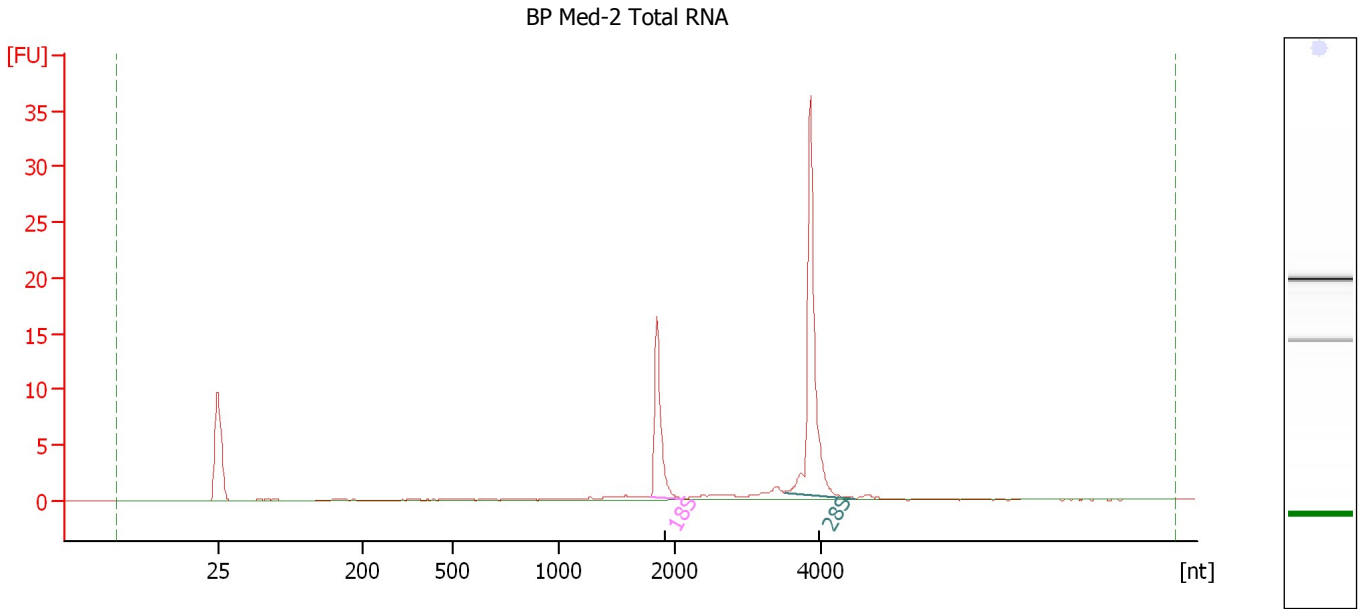
**Fragment table for sample 6 : E7 PolyIC Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,815	2,162	11.3	21.6
28S	3,509	4,286	24.5	47.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : BP Med-2 Total RNA**

RNA Area: 54.7 RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 46 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN: 9.60

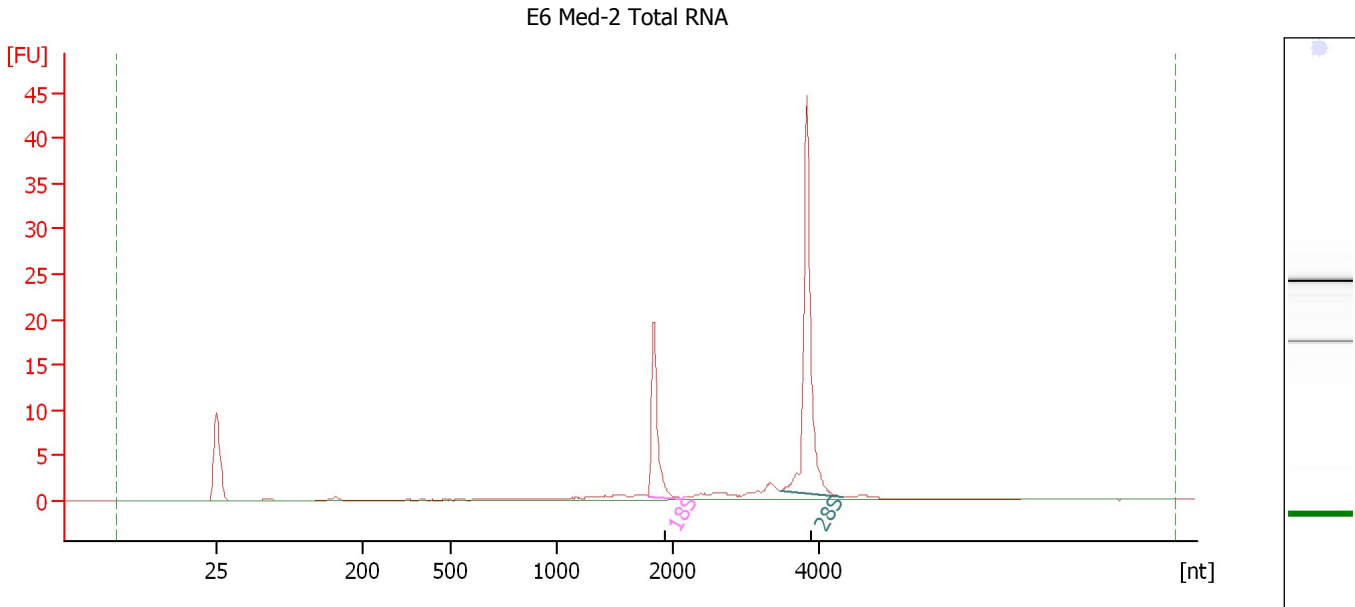
**Fragment table for sample 7 : BP Med-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,797	2,089	12.0	21.9
28S	3,509	4,476	27.0	49.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
 Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : E6 Med-2 Total RNA**

RNA Area:	67.2	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	57 ng/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]:	2.3	Result Flagging Label:	RIN: 9.40

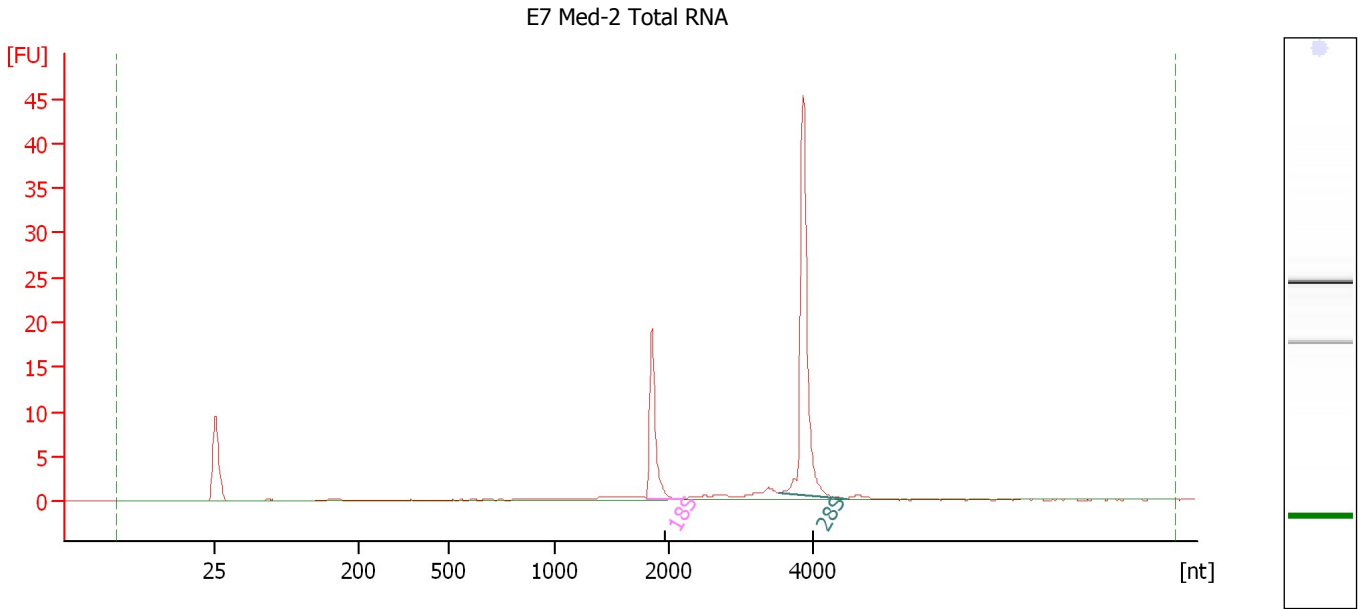
**Fragment table for sample 8 : E6 Med-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,786	2,116	14.4	21.5
28S	3,481	4,333	32.5	48.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : E7 Med-2 Total RNA**

RNA Area: 63.7                      RNA Integrity Number (RIN): 9.5 (B.02.08)  
RNA Concentration: 54 ng/μl              Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2              Result Flagging Label: RIN: 9.50

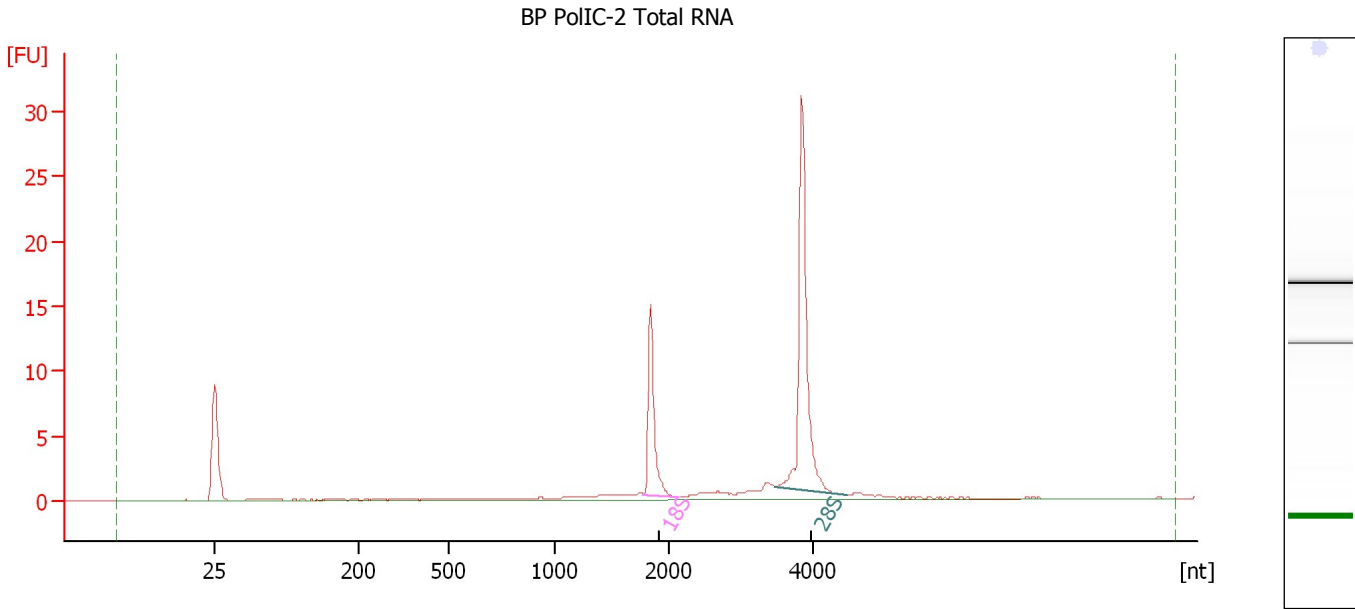
**Fragment table for sample 9 : E7 Med-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,801	2,202	13.8	21.7
28S	3,514	4,457	31.1	48.8

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : BP PolIC-2 Total RNA**

RNA Area: 52.4 RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 44 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 9.60

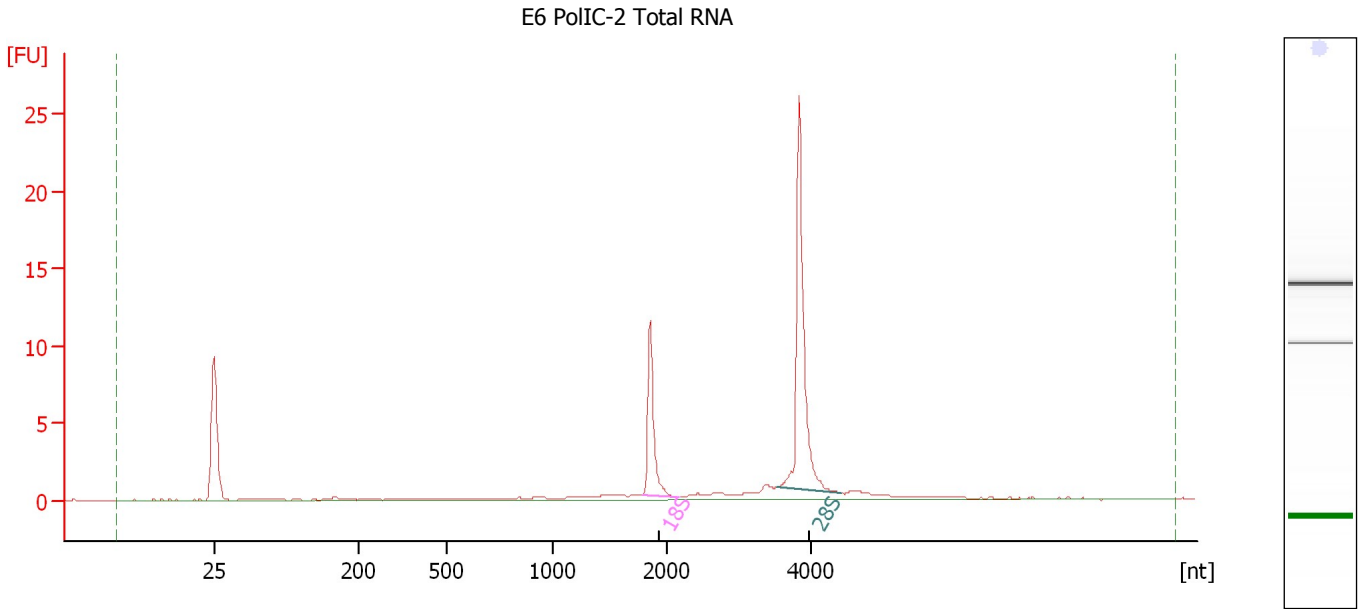
**Fragment table for sample 10 : BP PolIC-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,783	2,113	11.1	21.1
28S	3,469	4,457	23.7	45.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : E6 PolIC-2 Total RNA**

RNA Area: 44.4 RNA Integrity Number (RIN): 9.4 (B.02.08)  
RNA Concentration: 37 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.3 Result Flagging Label: RIN: 9.40

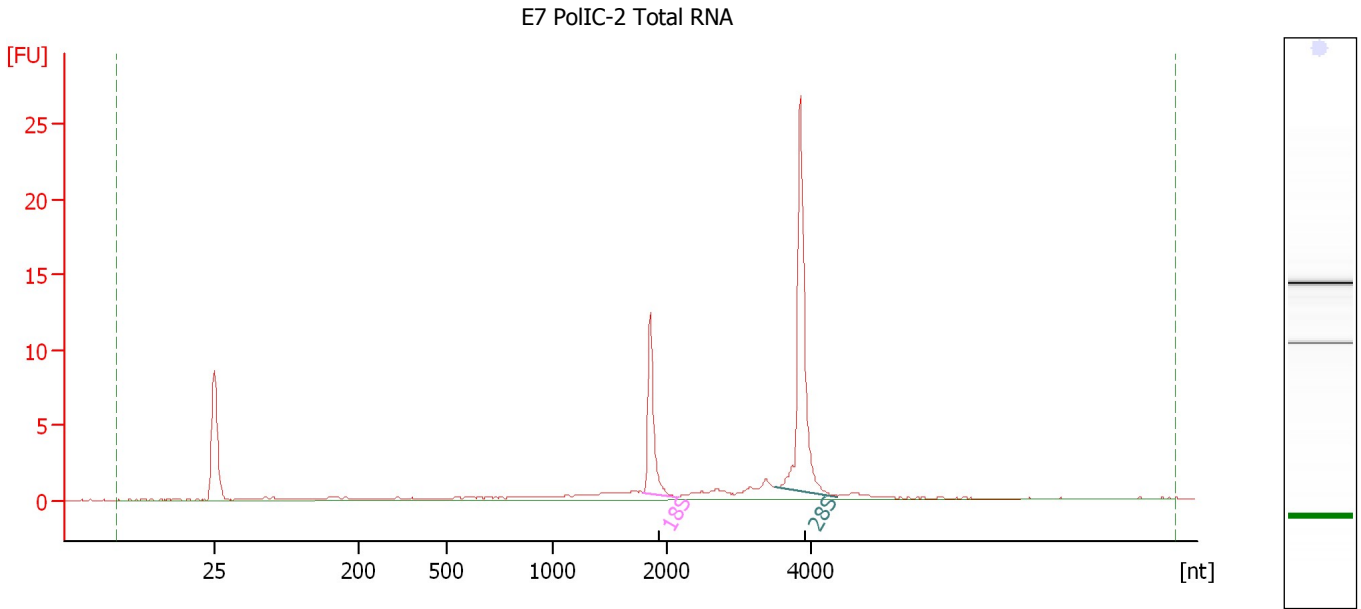
**Fragment table for sample 11 : E6 PolIC-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	2,141	8.5	19.0
28S	3,515	4,401	19.2	43.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : E7 PolIC-2 Total RNA**

RNA Area: 47.9 RNA Integrity Number (RIN): 9.1 (B.02.08)  
RNA Concentration: 40 ng/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN: 9.10

**Fragment table for sample 12 : E7 PolIC-2 Total RNA**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	2,112	8.8	18.3
28S	3,500	4,357	19.3	40.3



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-10\2014-01-10\_001.xad

Created: 1/10/2014 1:20:43 PM  
Modified: 1/10/2014 1:44:36 PM

**Gel Image**

