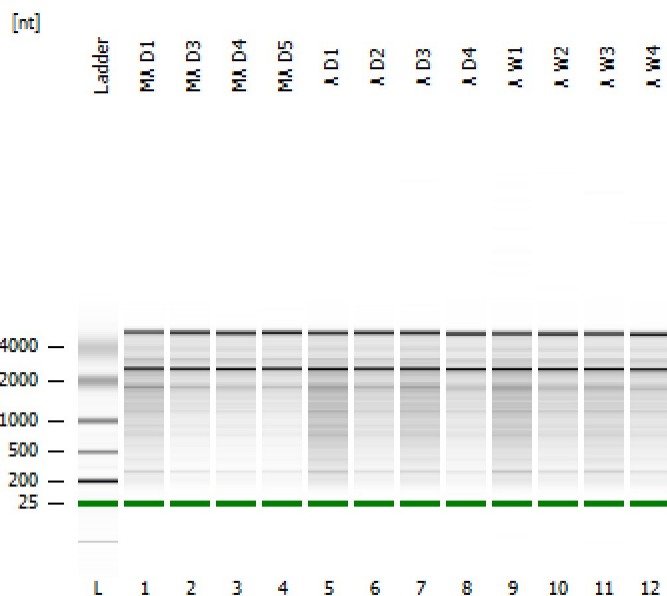


Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE72901926  
Serial#: DE72901926

Firmware: C.01.069  
Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Prokaryote Total RNA Nano Series II.xsy

Assay Class: Prokaryote Total RNA Nano

Version: 2.5

Assay Comments: Total RNA Analysis ng sensitivity (Prokaryote)

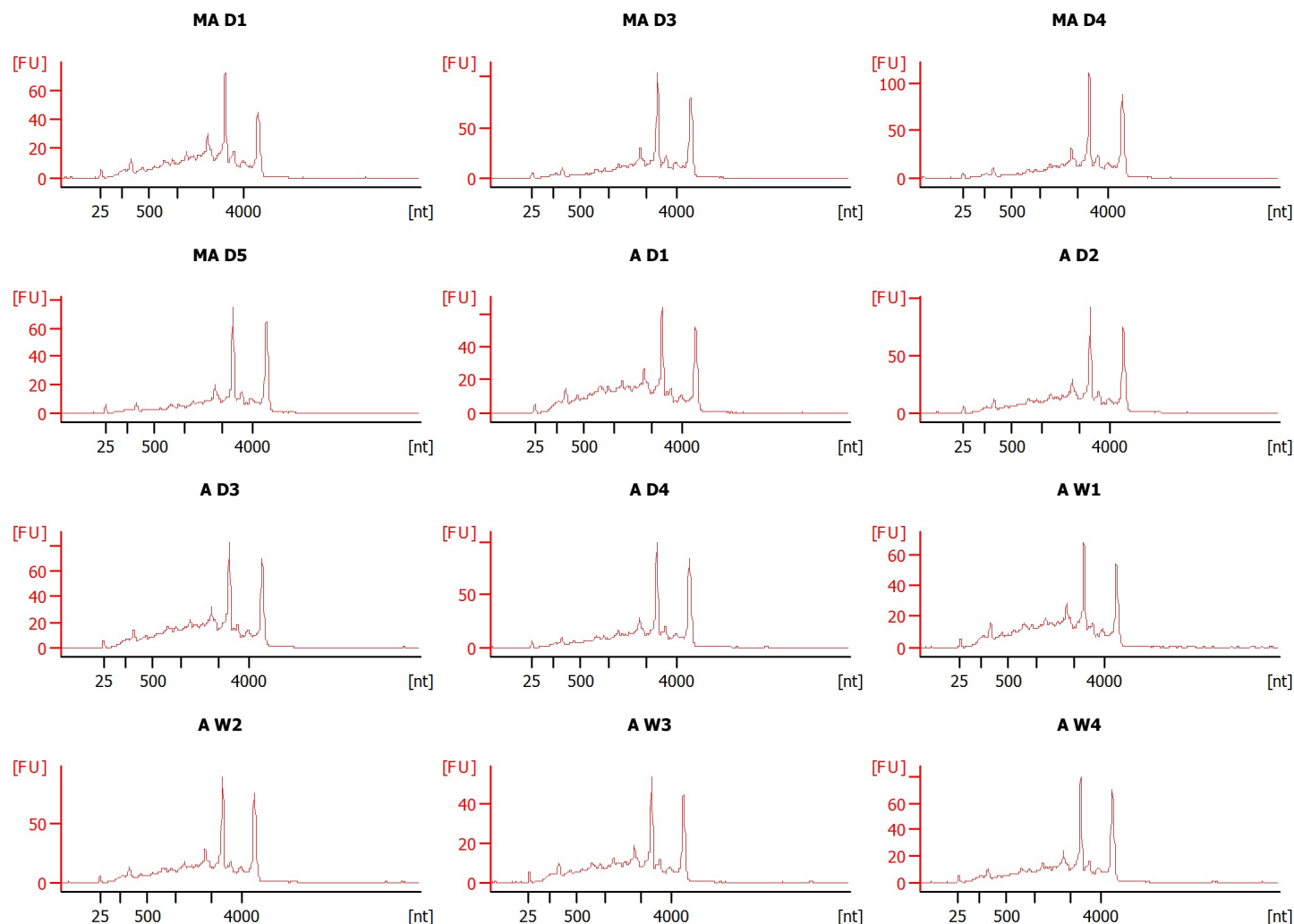
© Copyright 2003 - 2009 Agilent Technologies, Inc.

#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

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

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|--------------|--------------|
| MA D1       |                | ✓      |              |              |
| MA D3       |                | ✓      |              |              |
| MA D4       |                | ✓      |              |              |
| MA D5       |                | ✓      |              |              |
| A D1        |                | ✓      |              |              |
| A D2        |                | ✓      |              |              |
| A D3        |                | ✓      |              |              |
| A D4        |                | ✓      |              |              |
| A W1        |                | ✓      |              |              |
| A W2        |                | ✓      |              |              |
| A W3        |                | ✓      |              |              |
| A W4        |                | ✓      |              |              |
| Ladder      |                | ✓      |              |              |

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

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

## 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/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 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

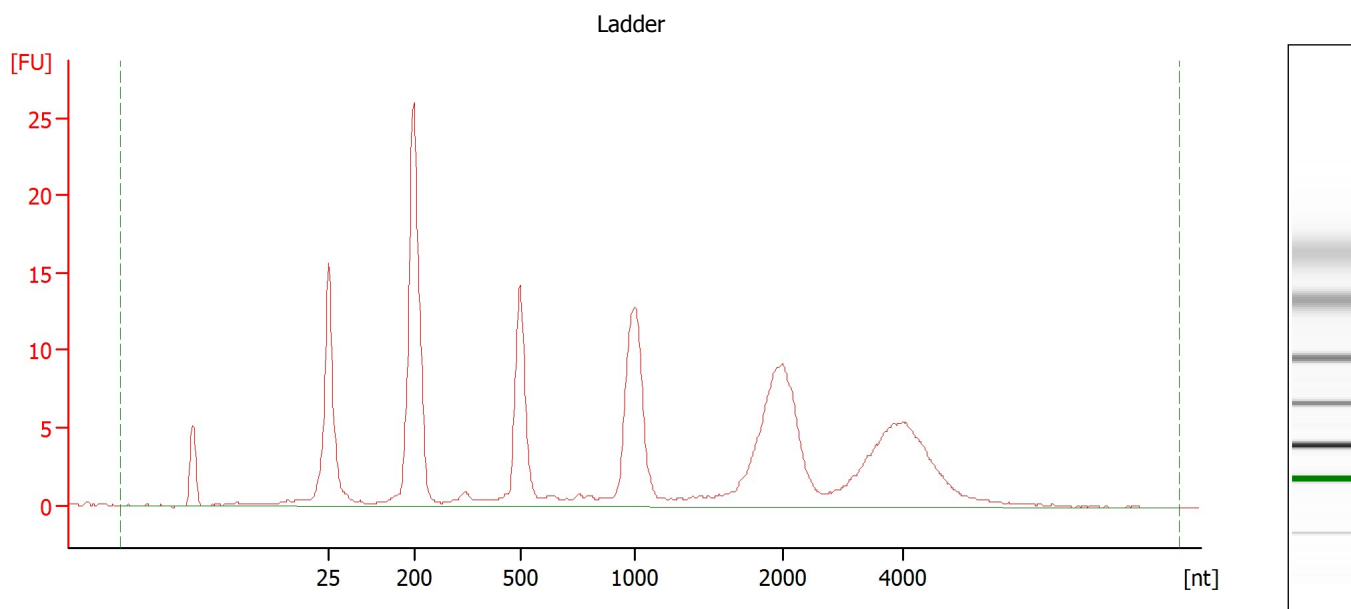
### Ladder

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

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

### Electropherogram Summary



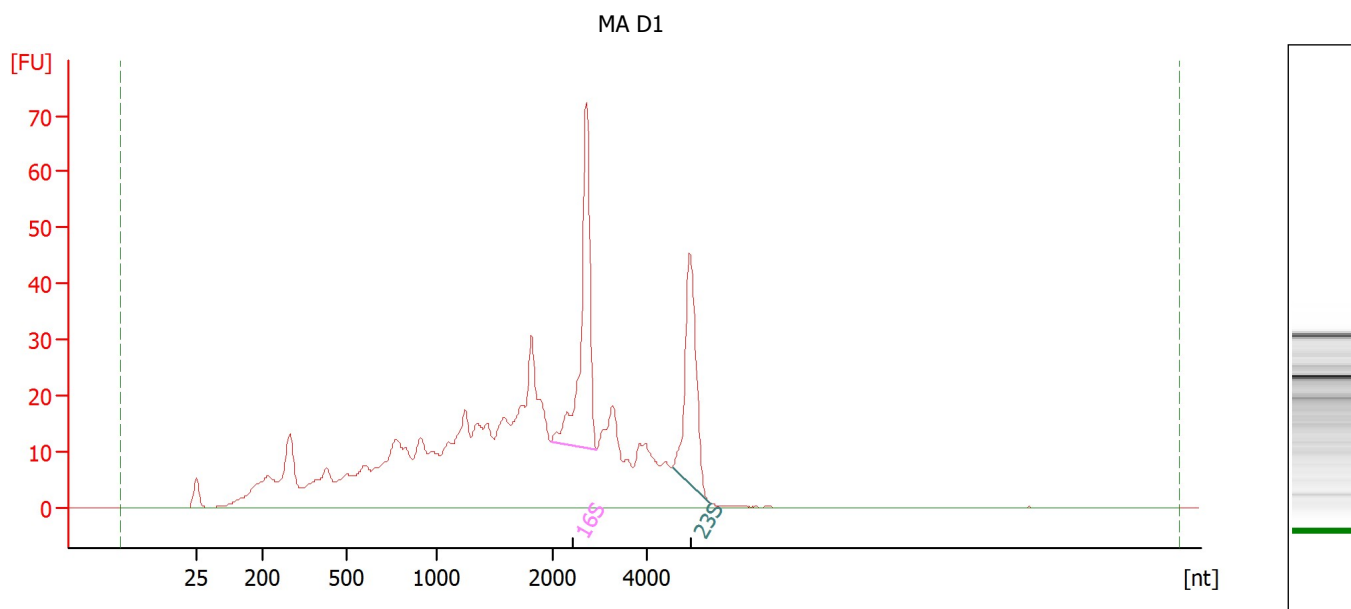
### Overall Results for Ladder

RNA Area: 193,6

RNA Concentration: 150 ng/ $\mu$ l

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 1 : MA D1**

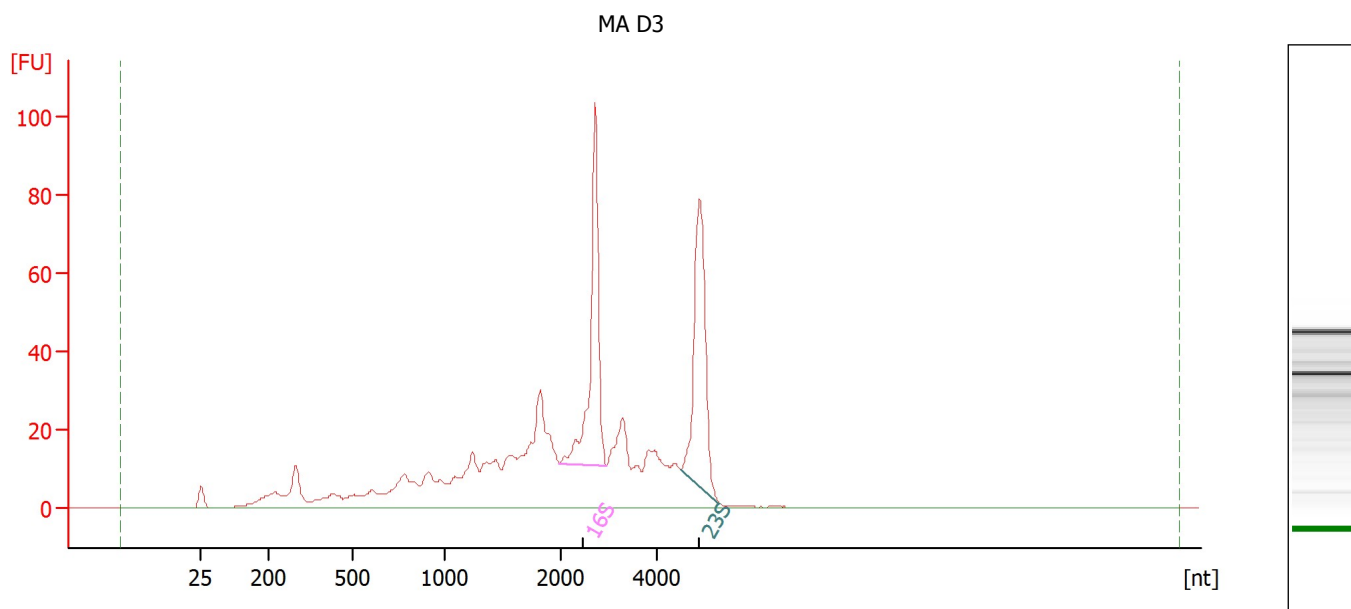
RNA Area: 718,0 rRNA Ratio [23s / 16s]: 0,8  
RNA Concentration: 556 ng/μl RNA Integrity Number (RIN): 5.8 (B.02.08)

**Fragment table for sample 1 : MA D1**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.996           | 2.944         | 69,0 | 9,6             |
| 23S  | 4.557           | 5.329         | 54,9 | 7,6             |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 2 : MA D3**

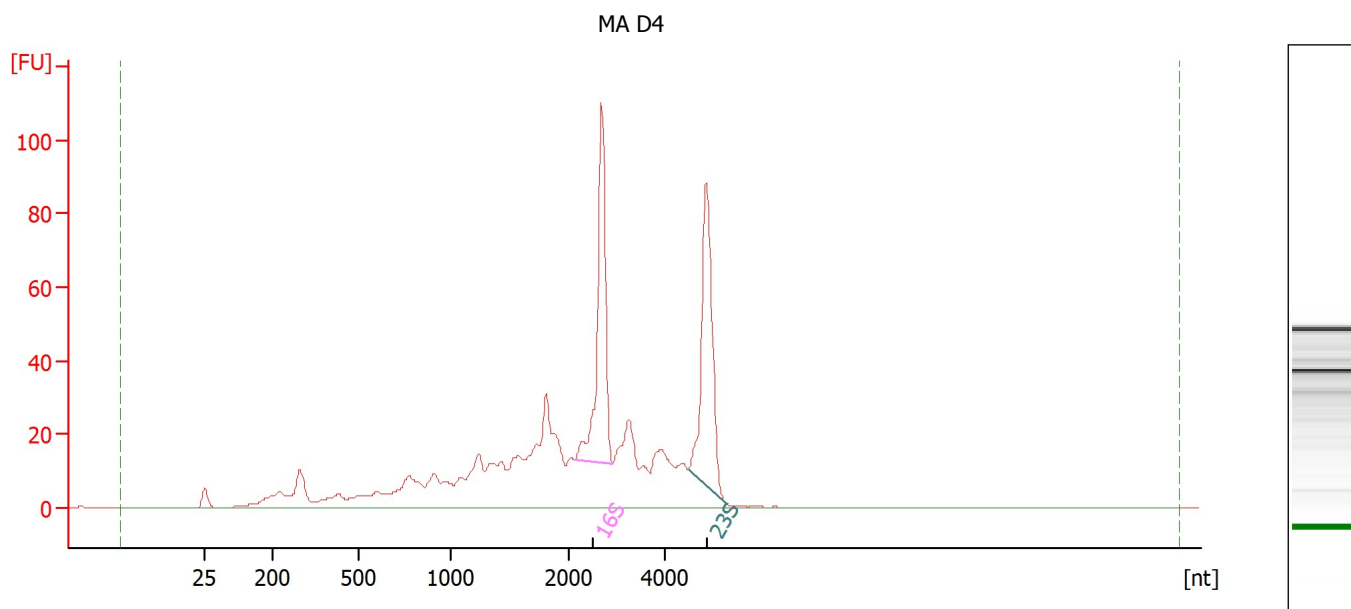
RNA Area: 704,2 rRNA Ratio [23s / 16s]: 1,0  
RNA Concentration: 546 ng/μl RNA Integrity Number (RIN): 6.6 (B.02.08)

**Fragment table for sample 2 : MA D3**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.981           | 2.942         | 97,6 | 13,9            |
| 23S  | 4.515           | 5.324         | 95,5 | 13,6            |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 3 : MA D4**

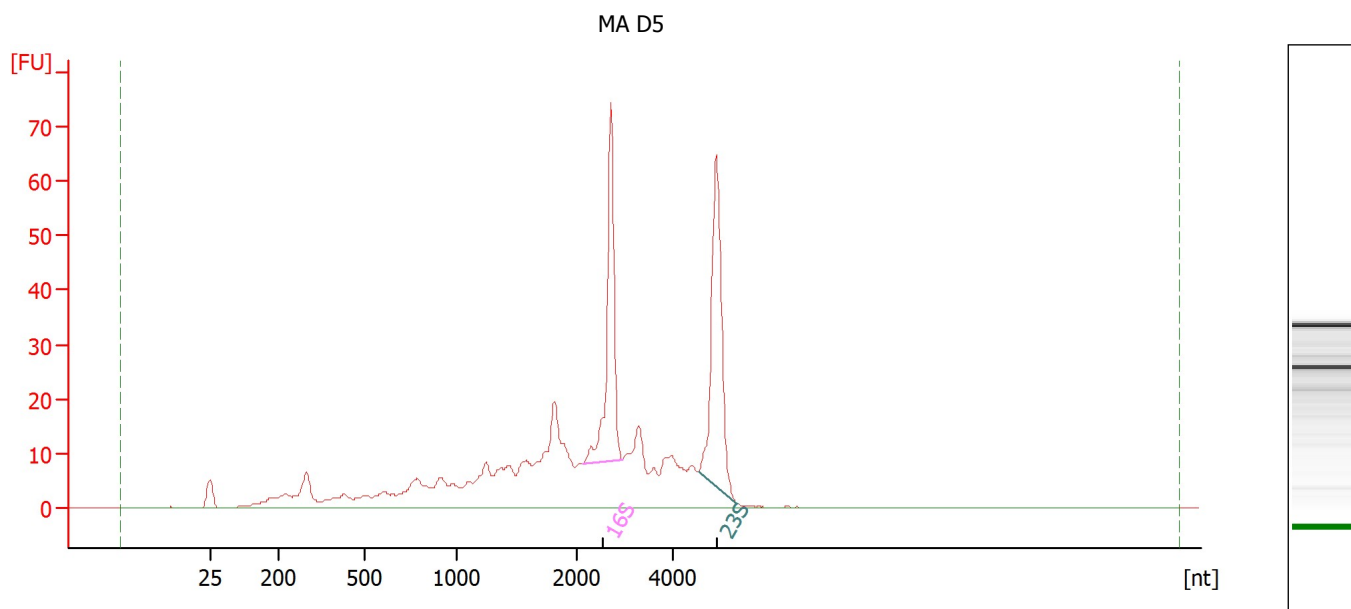
RNA Area: 732,0 rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 567 ng/μl RNA Integrity Number (RIN): 6.5 (B.02.08)

**Fragment table for sample 3 : MA D4**

| Name | Start Size [nt] | End Size [nt] | Area  | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 16S  | 2.113           | 2.914         | 97,1  | 13,3            |
| 23S  | 4.496           | 5.298         | 103,0 | 14,1            |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 4 : MA D5**

RNA Area: 463,9 rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 360 ng/μl RNA Integrity Number (RIN): 6.6 (B.02.08)

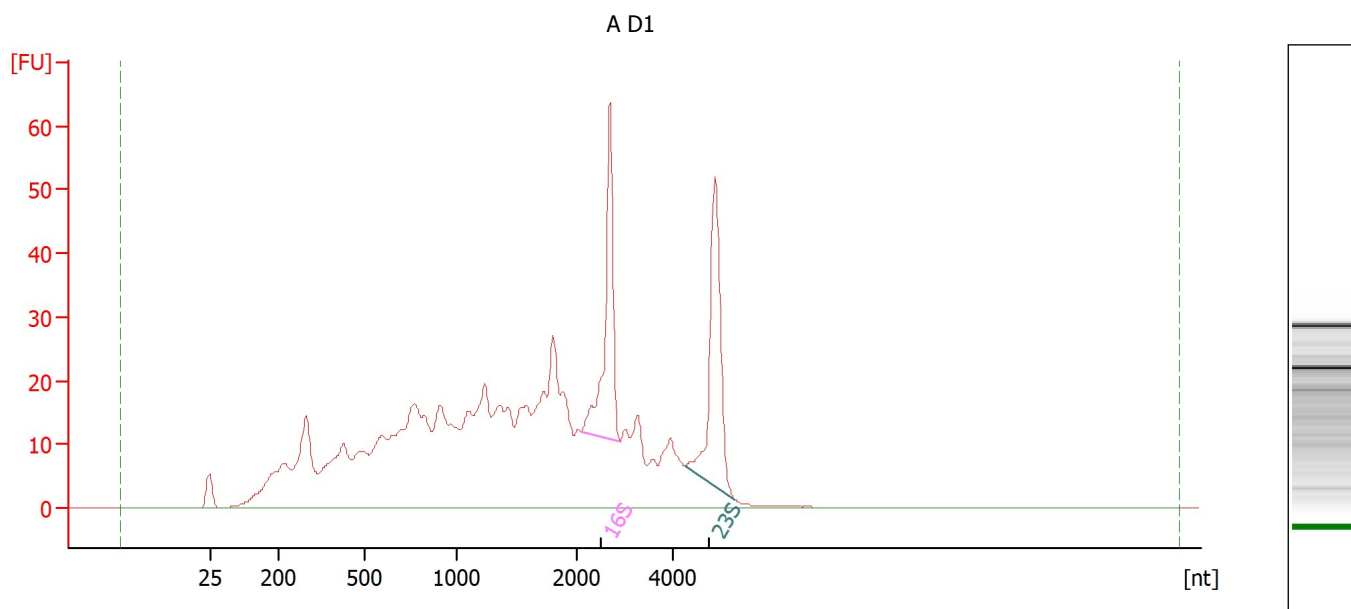
**Fragment table for sample 4 : MA D5**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 2.158           | 2.953         | 62,2 | 13,4            |
| 23S  | 4.521           | 5.316         | 70,6 | 15,2            |



Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 5 : A D1**

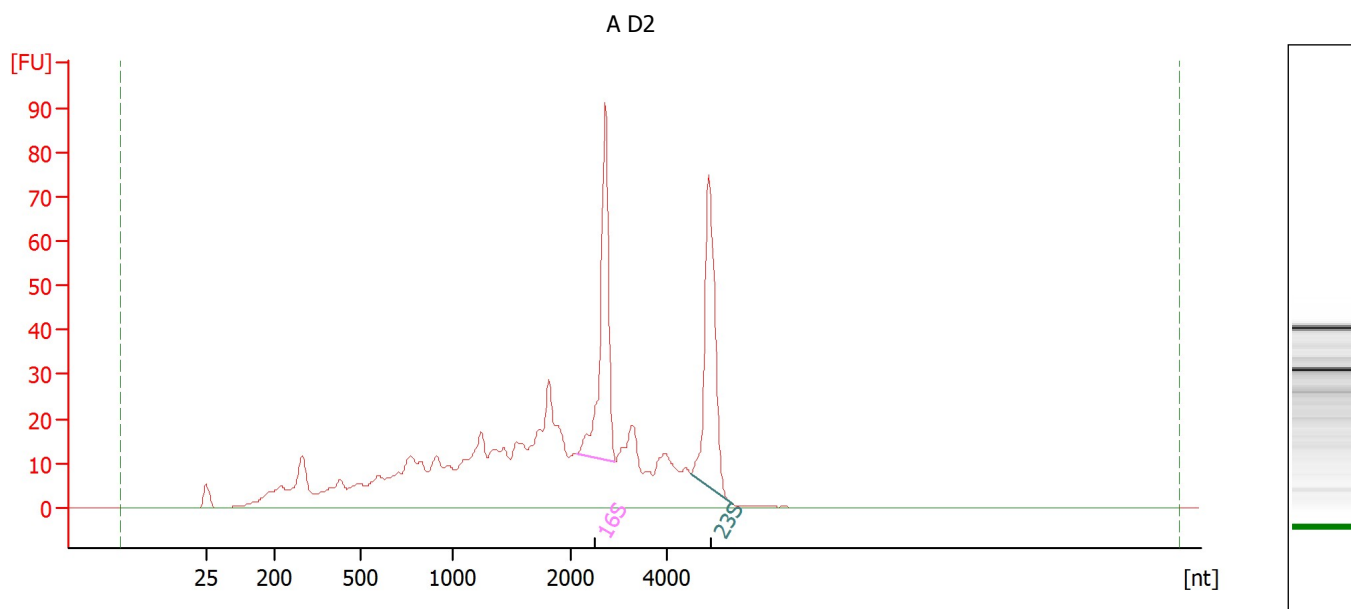
RNA Area: 792,5 rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 614 ng/μl RNA Integrity Number (RIN): 5.5 (B.02.08)

**Fragment table for sample 5 : A D1**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 2.092           | 2.909         | 54,8 | 6,9             |
| 23S  | 4.256           | 5.294         | 59,2 | 7,5             |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 6 : A D2**

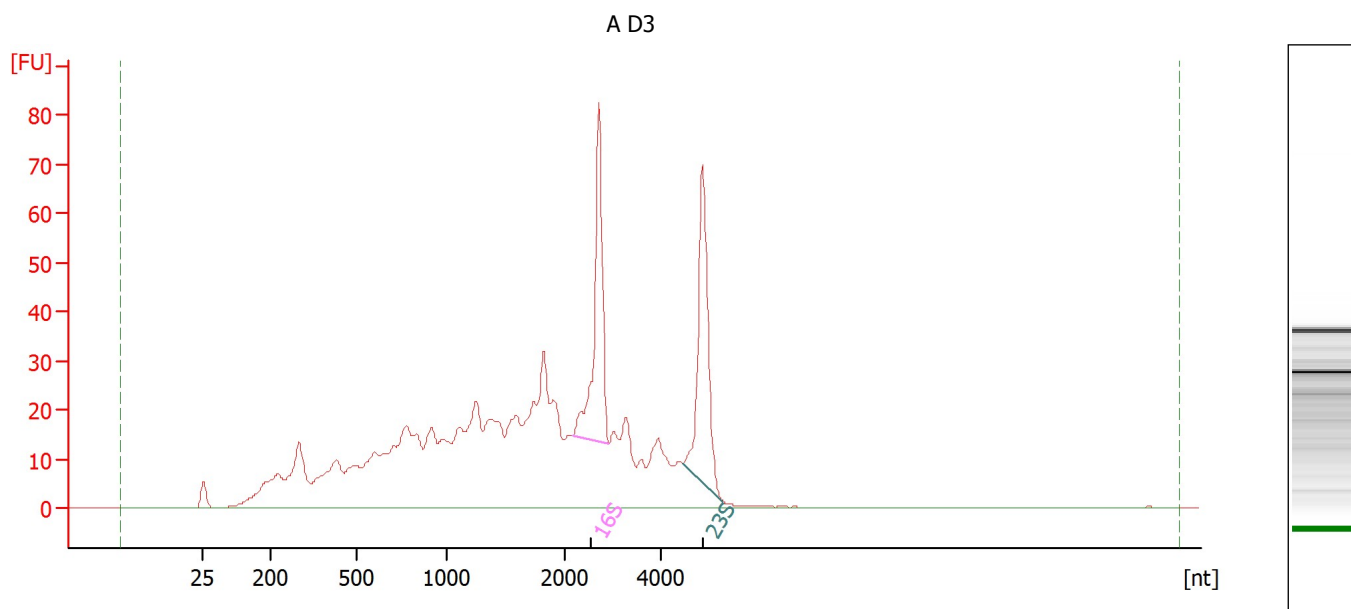
RNA Area: 725,4 rRNA Ratio [23s / 16s]: 1,0  
RNA Concentration: 562 ng/μl RNA Integrity Number (RIN): 6.1 (B.02.08)

**Fragment table for sample 6 : A D2**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 2.141           | 2.941         | 80,7 | 11,1            |
| 23S  | 4.497           | 5.363         | 82,4 | 11,4            |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 7 : A D3**

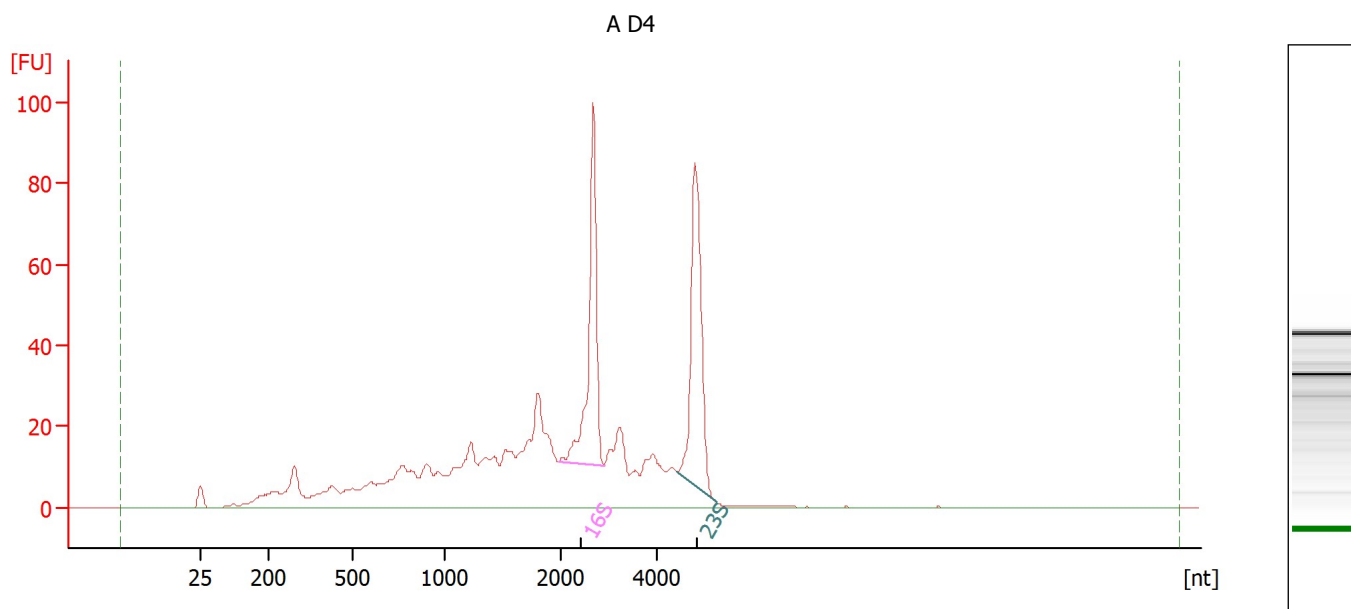
RNA Area: 891,7      rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 691 ng/μl      RNA Integrity Number (RIN): 5.7 (B.02.08)

**Fragment table for sample 7 : A D3**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 2.145           | 2.928         | 71,4 | 8,0             |
| 23S  | 4.449           | 5.322         | 75,2 | 8,4             |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 8 : A D4**

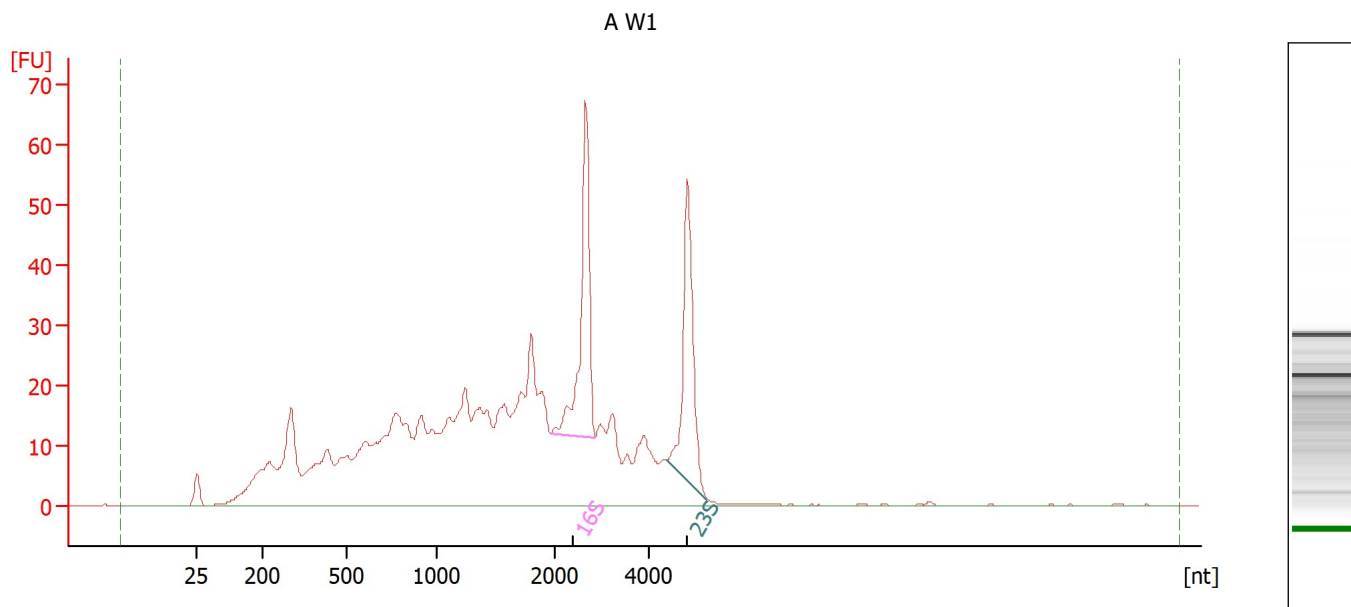
RNA Area: 721,3 rRNA Ratio [23s / 16s]: 1,0  
RNA Concentration: 559 ng/μl RNA Integrity Number (RIN): 6.4 (B.02.08)

**Fragment table for sample 8 : A D4**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.972           | 2.898         | 90,9 | 12,6            |
| 23S  | 4.448           | 5.256         | 94,0 | 13,0            |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 9 : A W1**

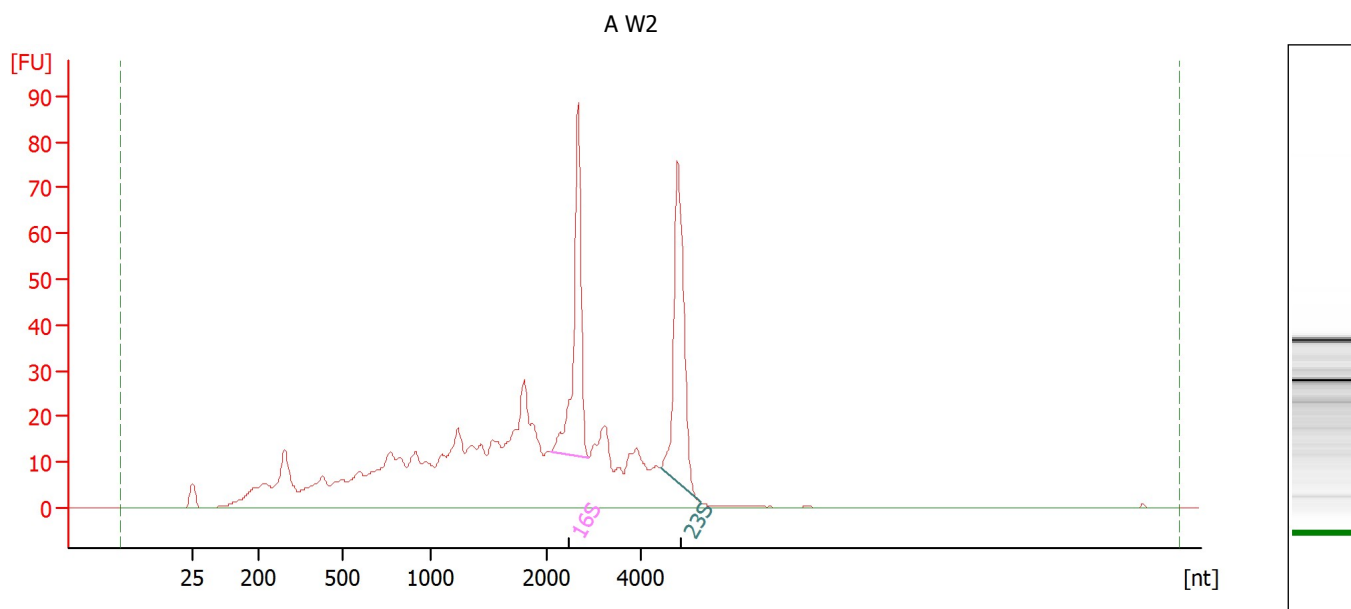
RNA Area: 791,1 rRNA Ratio [23s / 16s]: 1,0  
RNA Concentration: 613 ng/μl RNA Integrity Number (RIN): 5.6 (B.02.08)

**Fragment table for sample 9 : A W1**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.971           | 2.880         | 60,1 | 7,6             |
| 23S  | 4.399           | 5.260         | 58,2 | 7,4             |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 10 : A W2**

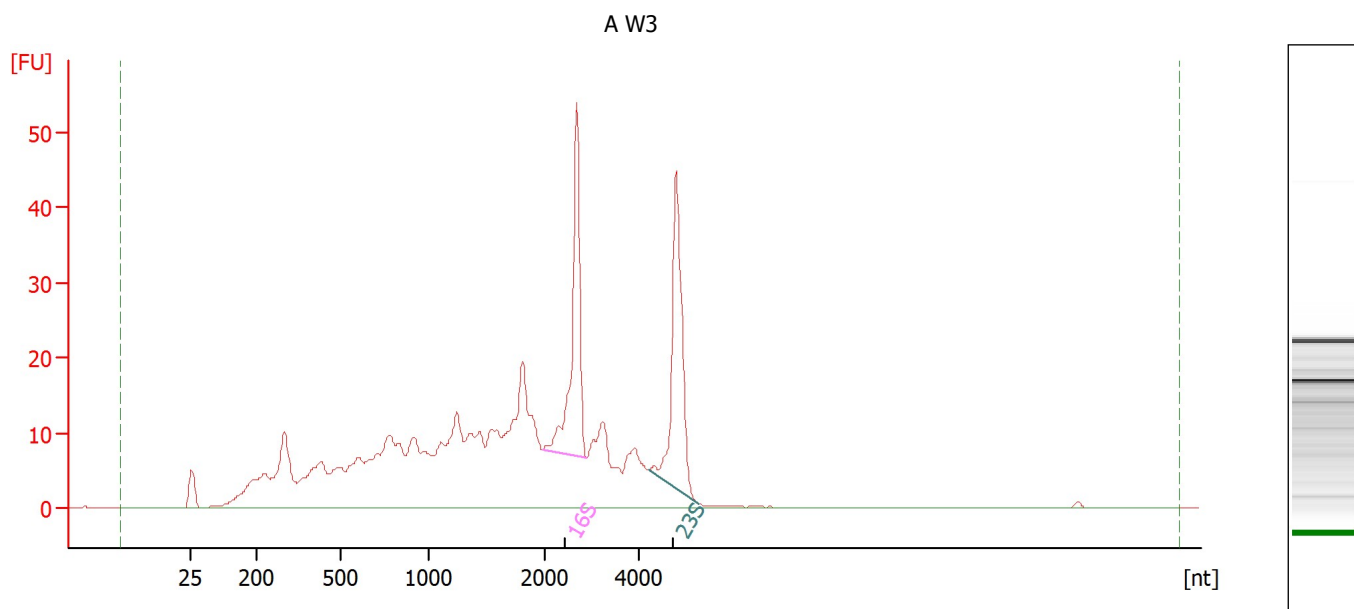
RNA Area: 759,2 rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 588 ng/μl RNA Integrity Number (RIN): 6.1 (B.02.08)

**Fragment table for sample 10 : A W2**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 2.109           | 2.886         | 77,7 | 10,2            |
| 23S  | 4.440           | 5.286         | 82,4 | 10,8            |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 11 : A W3**

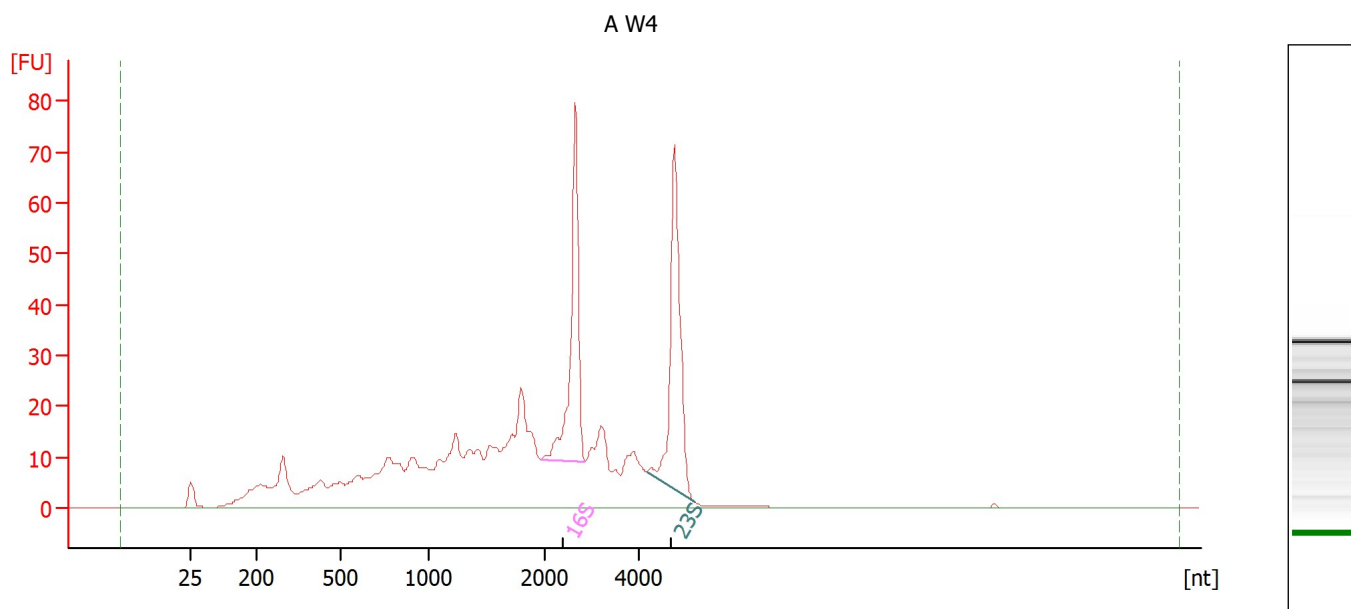
RNA Area: 533,5 rRNA Ratio [23s / 16s]: 1,0  
RNA Concentration: 413 ng/μl RNA Integrity Number (RIN): 5.9 (B.02.08)

**Fragment table for sample 11 : A W3**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.976           | 2.904         | 49,8 | 9,3             |
| 23S  | 4.233           | 5.287         | 49,9 | 9,4             |

Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Electropherogram Summary Continued ...****Overall Results for sample 12 : A W4**

RNA Area: 631,9 rRNA Ratio [23s / 16s]: 1,1  
RNA Concentration: 490 ng/μl RNA Integrity Number (RIN): 6.2 (B.02.08)

**Fragment table for sample 12 : A W4**

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 16S  | 1.967           | 2.859         | 70,8 | 11,2            |
| 23S  | 4.187           | 5.218         | 78,5 | 12,4            |



Assay Class: Prokaryote Total RNA Nano  
Data Path: C:\...rokaryote Total RNA Nano\_DE72901926\_2015-06-09\_09-23-38.xad

Created: 9.6.2015 9:23:38  
Modified: 9.6.2015 9:49:33

**Gel Image**