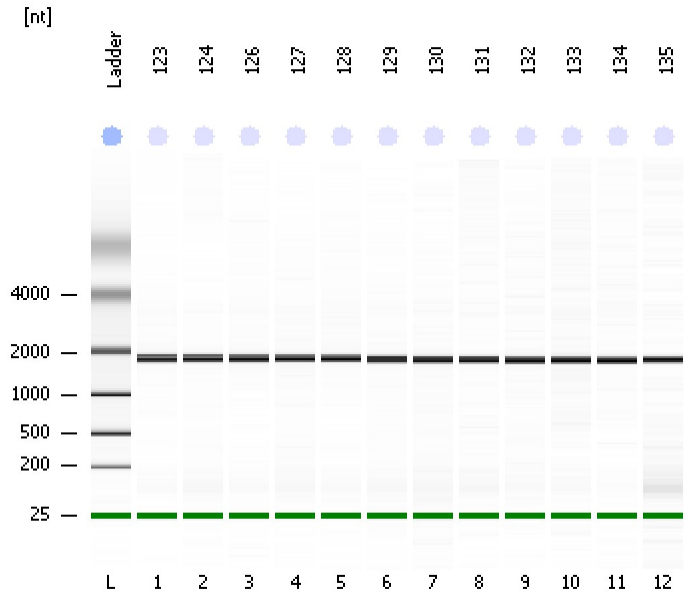


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electrophoresis File Run Summary



Instrument Information:

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

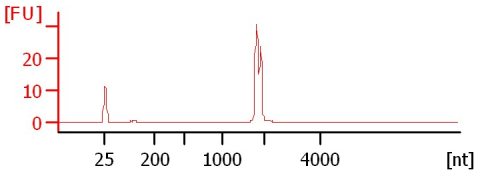
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

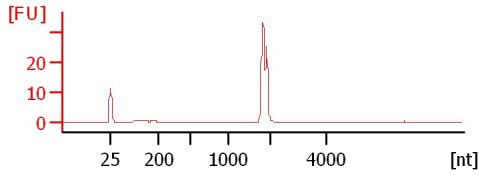
Chip Information:

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

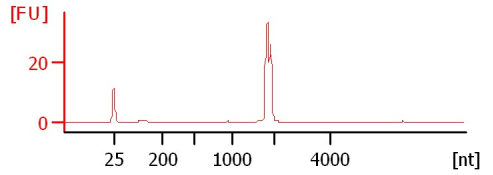
123
RIN: 9.80



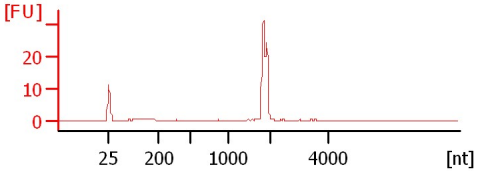
124
RIN: 9.80



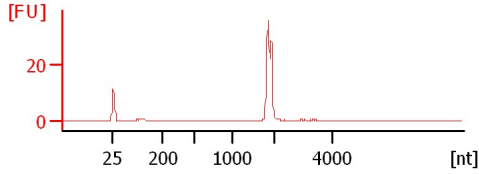
126
RIN: 10



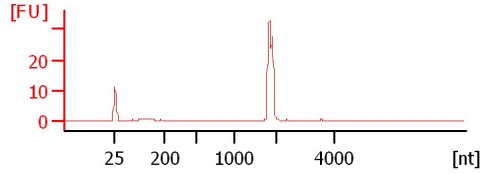
127
RIN: 9.30



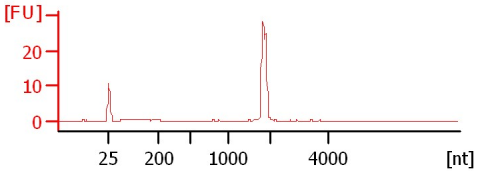
128
RIN: 9.90



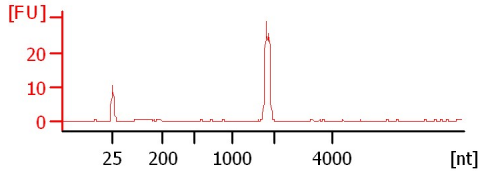
129
RIN: 9.70



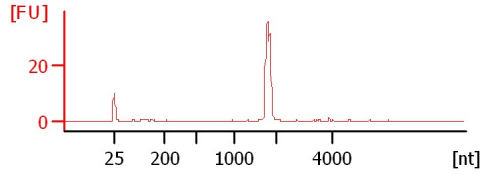
130
RIN: 9.50



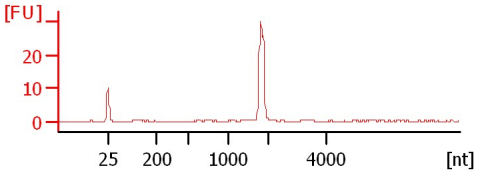
131
RIN: 9.80



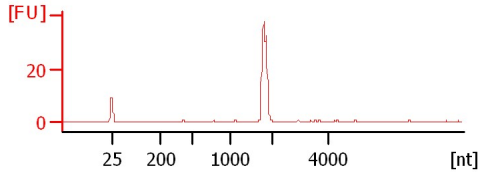
132
RIN: 9.50



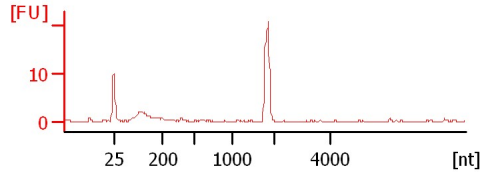
133
RIN: 9.50



134
RIN: 9.80



135
RIN: 9.40



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 123 | | ✓ | RIN: 9.80 | |
| 124 | | ✓ | RIN: 9.80 | |
| 126 | | ✓ | RIN:10 | |
| 127 | | ✓ | RIN: 9.30 | |
| 128 | | ✓ | RIN: 9.90 | |
| 129 | | ✓ | RIN: 9.70 | |
| 130 | | ✓ | RIN: 9.50 | |
| 131 | | ✓ | RIN: 9.80 | |
| 132 | | ✓ | RIN: 9.50 | |
| 133 | | ✓ | RIN: 9.50 | |
| 134 | | ✓ | RIN: 9.80 | |
| 135 | | ✓ | RIN: 9.40 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

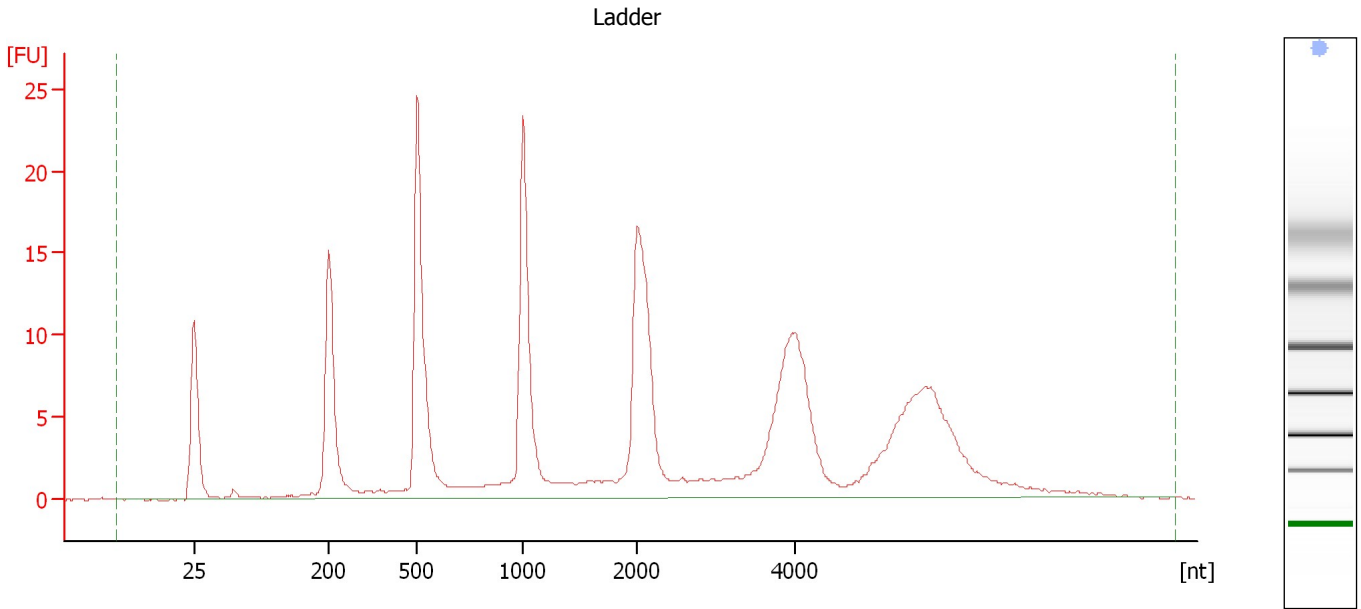
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary



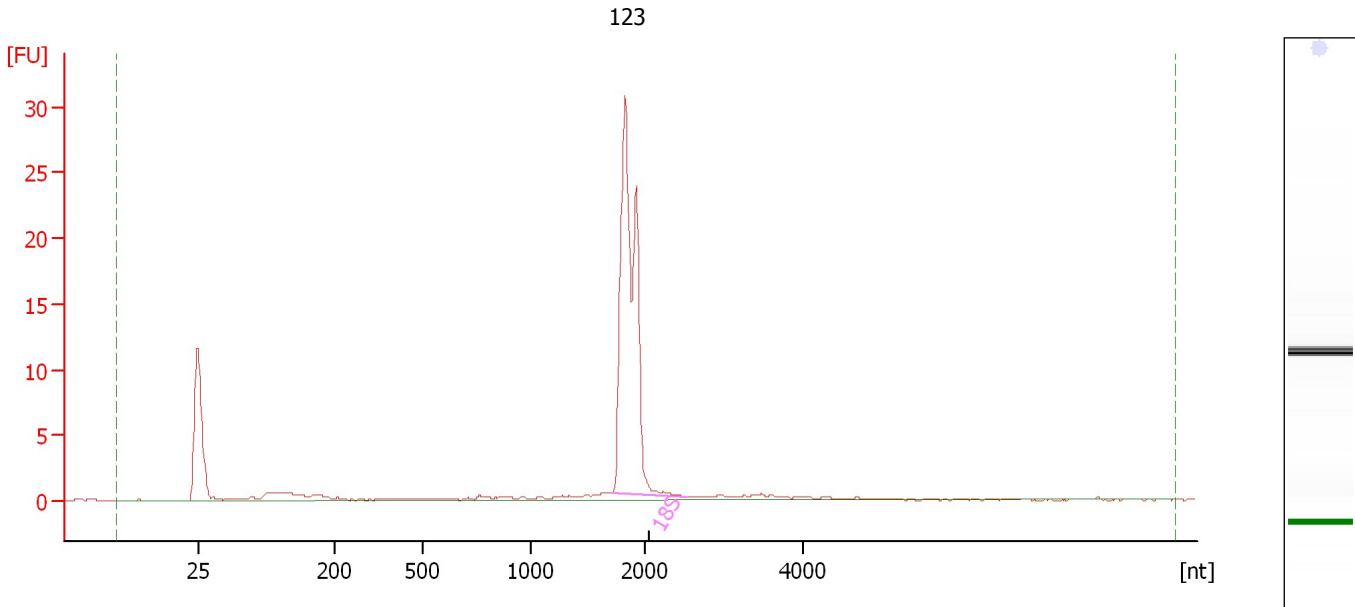
Overall Results for Ladder

| | | | |
|--------------------|-----------|------------------------|---|
| RNA Area: | 245.5 | Result Flagging Color: | |
| RNA Concentration: | 150 ng/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 123

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 74.7 | RNA Integrity Number (RIN): | 9.8 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 46 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.80 |

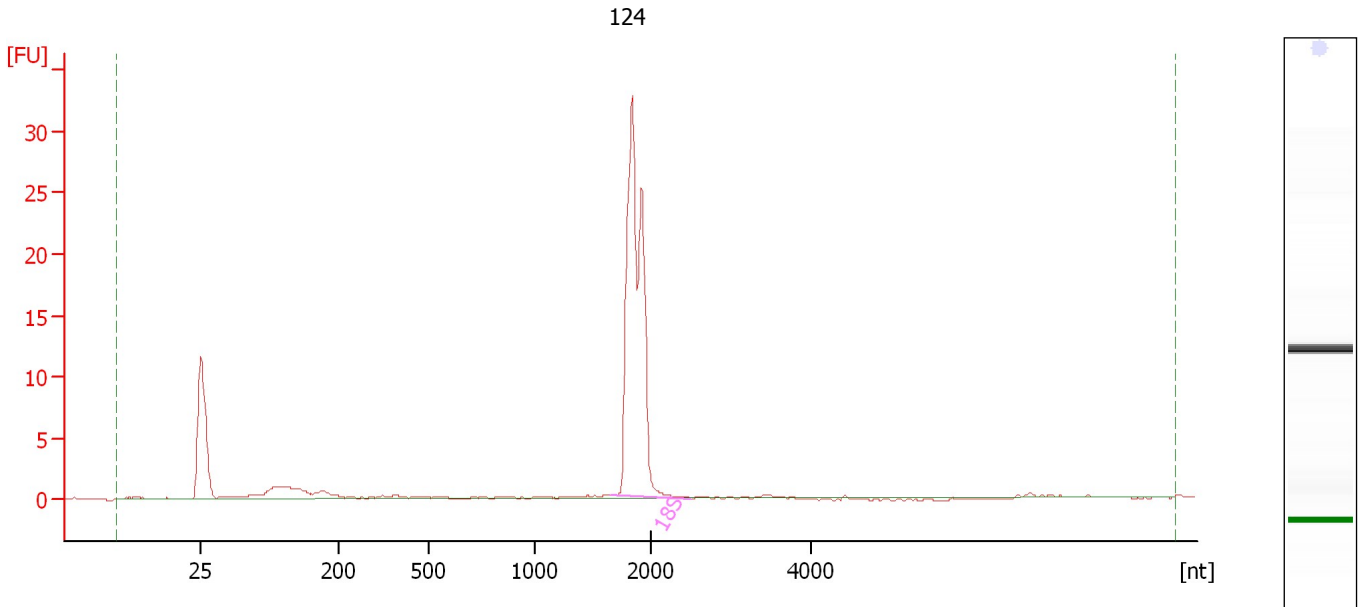
Fragment table for sample 1 : 123

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,725 | 2,531 | 53.9 | 72.2 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 124

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 73.4 | RNA Integrity Number (RIN): | 9.8 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 45 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.80 |

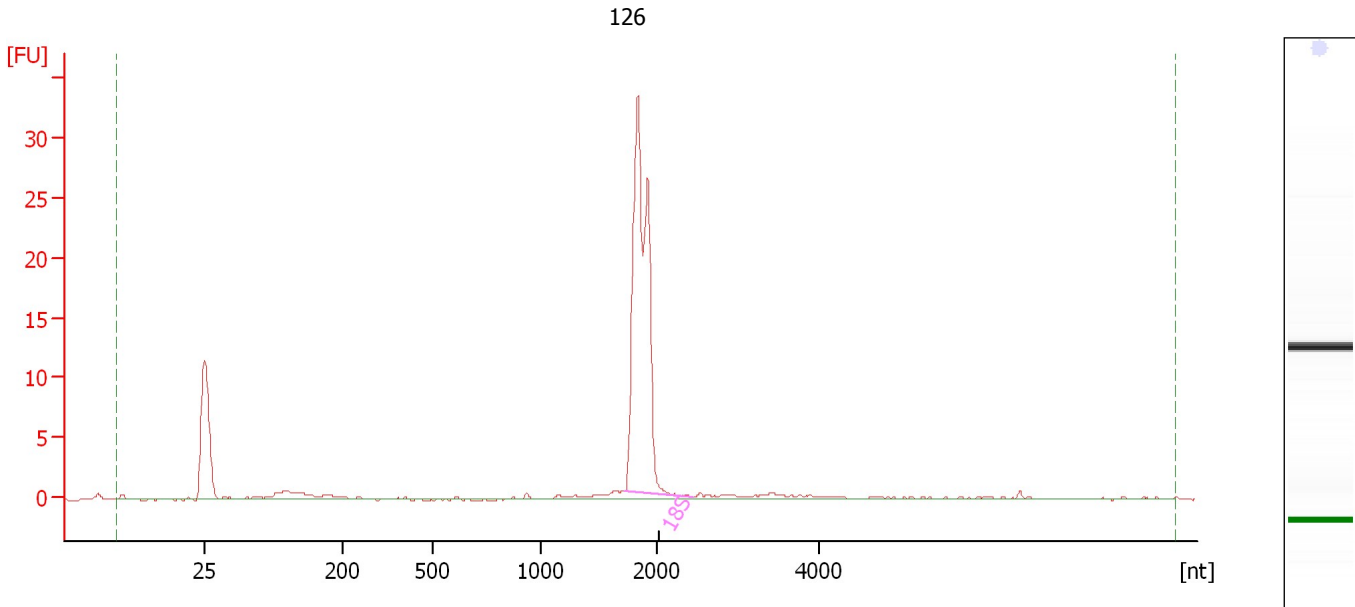
Fragment table for sample 2 : 124

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,656 | 2,492 | 56.9 | 77.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 126

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 77.3 | RNA Integrity Number (RIN): | 10 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 47 ng/μl | | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Color: | |
| | | Result Flagging Label: | RIN:10 |

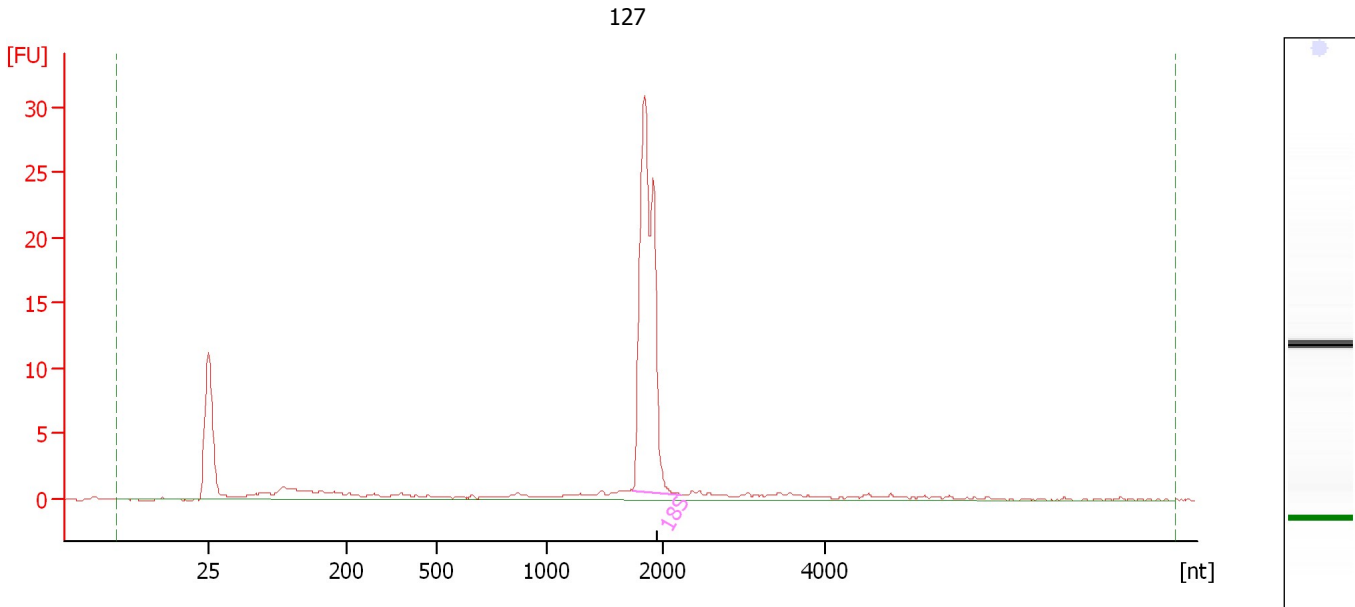
Fragment table for sample 3 : 126

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,725 | 2,439 | 58.5 | 75.7 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 127

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 83.3 | RNA Integrity Number (RIN): | 9.3 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 51 ng/μl | | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Color: | |
| | | Result Flagging Label: | RIN: 9.30 |

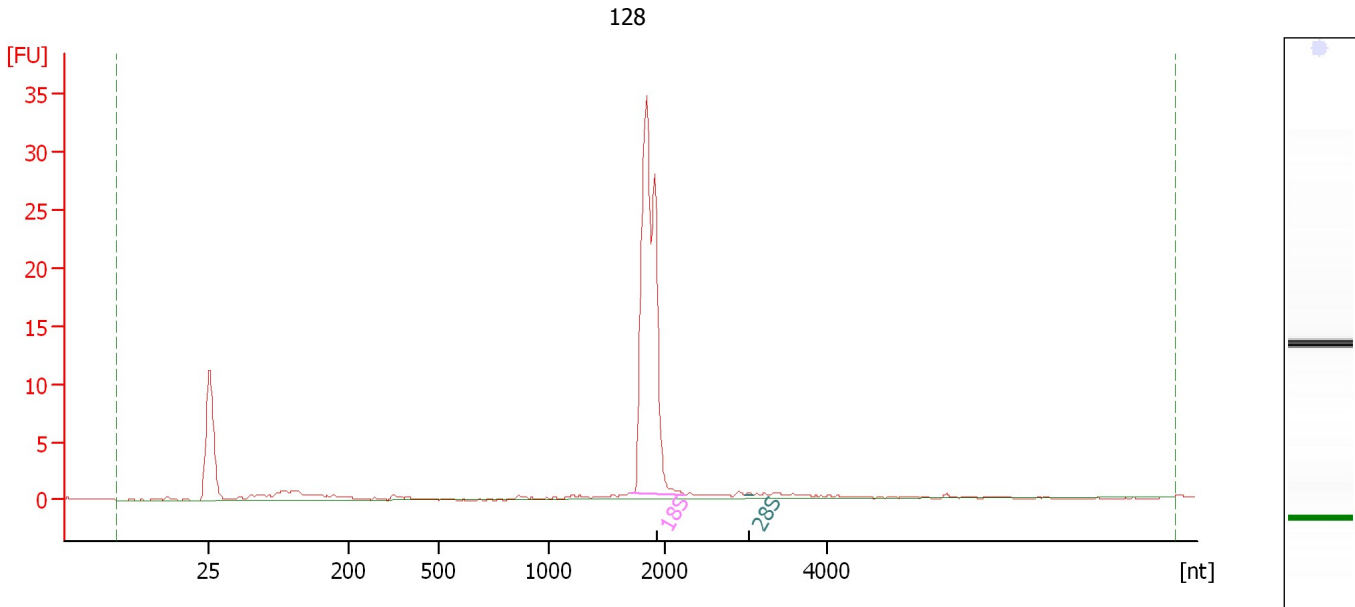
Fragment table for sample 4 : 127

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,730 | 2,215 | 50.3 | 60.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 128

RNA Area: 75.4 RNA Integrity Number (RIN): 9.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 46 ng/μl
rRNA Ratio [28s / 18s]: 0.0
Result Flagging Color:
Result Flagging Label: RIN: 9.90

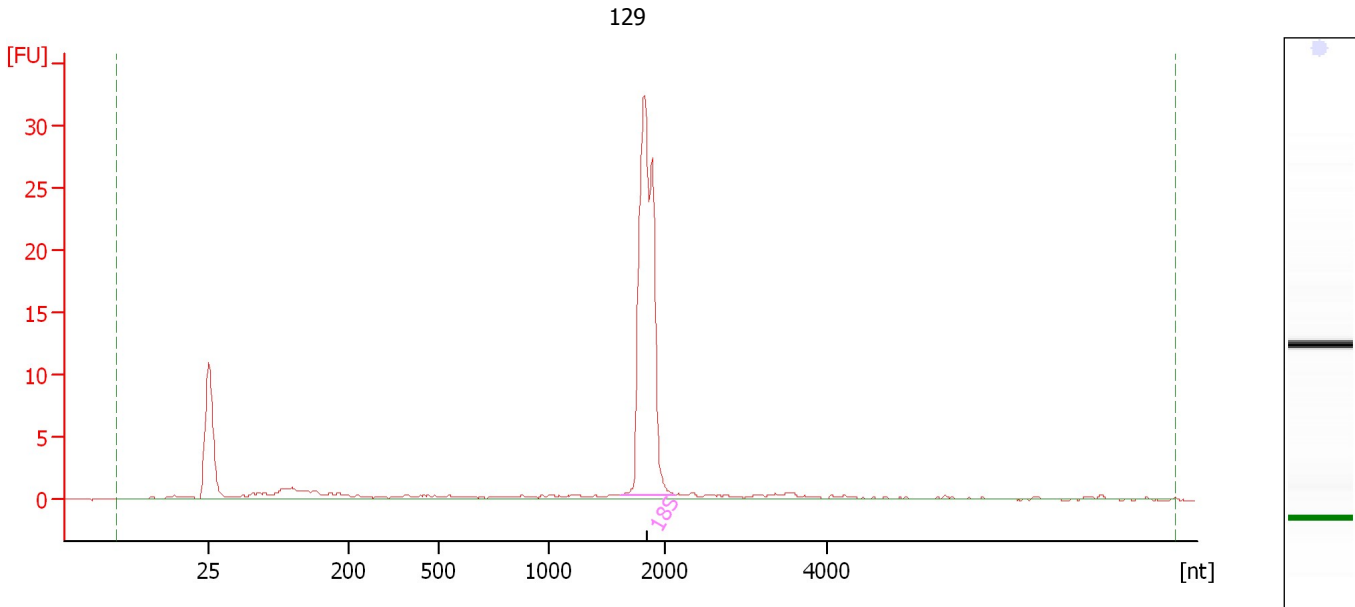
Fragment table for sample 5 : 128

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,704 | 2,243 | 57.1 | 75.8 |
| 28S | 2,969 | 3,088 | 0.1 | 0.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 129

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 81.4 | RNA Integrity Number (RIN): | 9.7 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 50 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.70 |

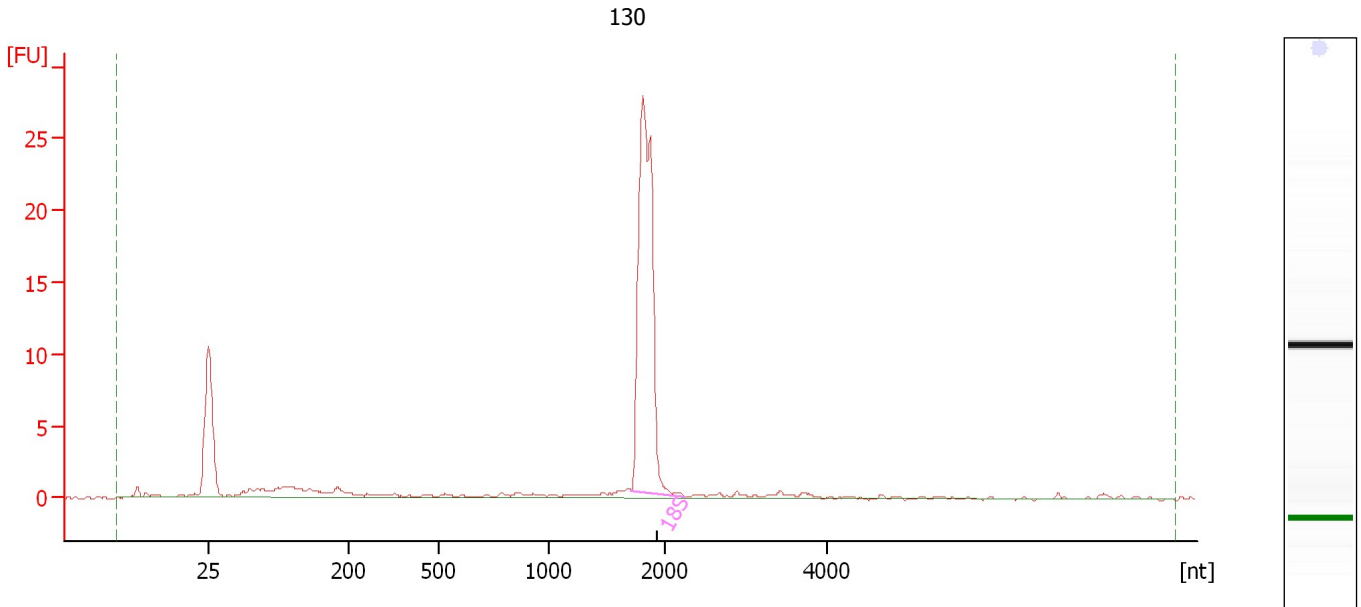
Fragment table for sample 6 : 129

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,622 | 2,111 | 56.0 | 68.7 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 130

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 78.3 | RNA Integrity Number (RIN): | 9.5 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 48 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.50 |

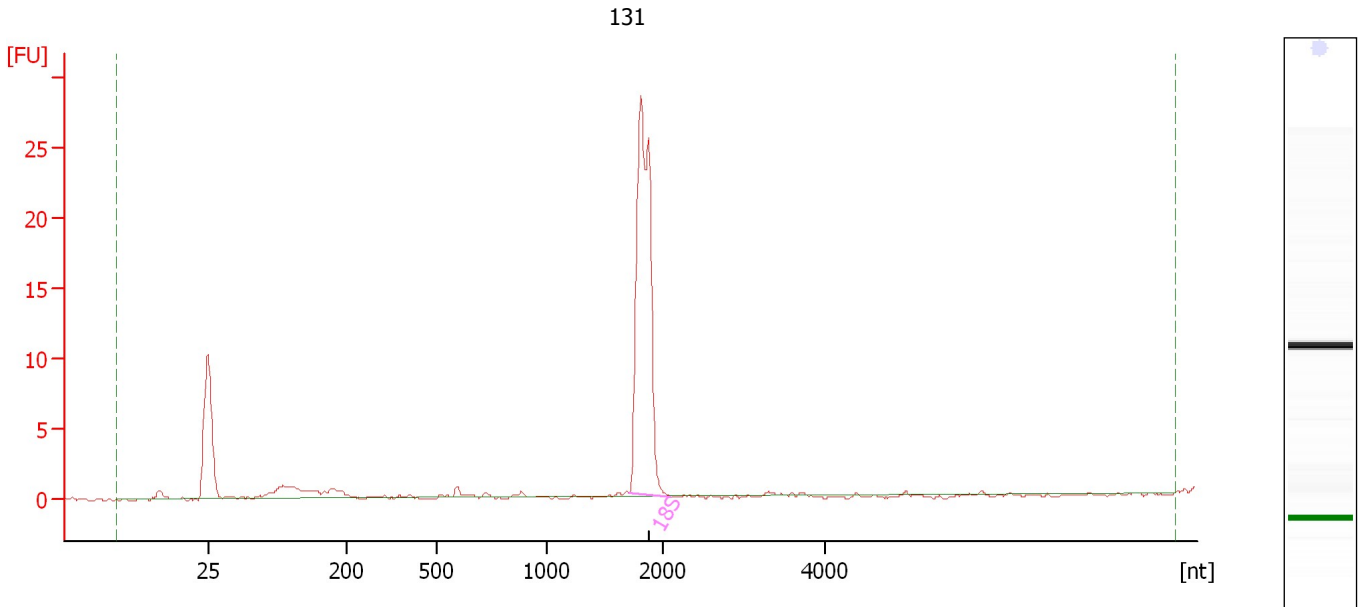
Fragment table for sample 7 : 130

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,704 | 2,230 | 47.0 | 60.0 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 131

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 63.2 | RNA Integrity Number (RIN): | 9.8 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 39 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.80 |

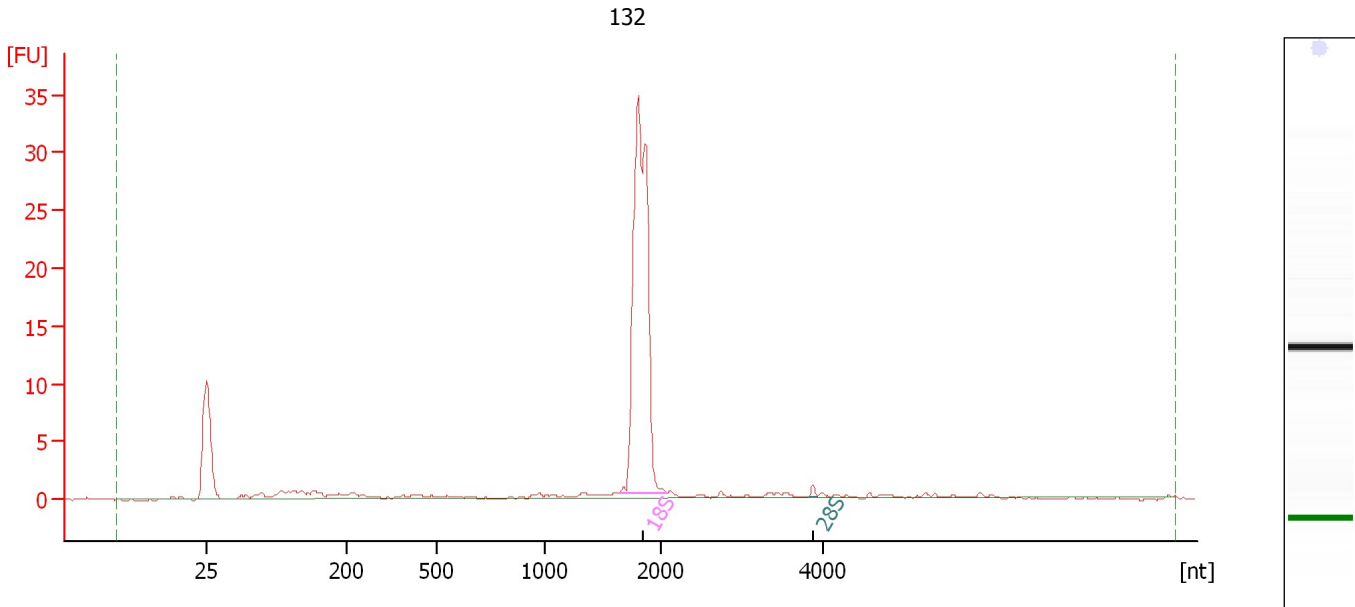
Fragment table for sample 8 : 131

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,702 | 2,096 | 47.5 | 75.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 132

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 82.9 | RNA Integrity Number (RIN): | 9.5 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 51 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.50 |

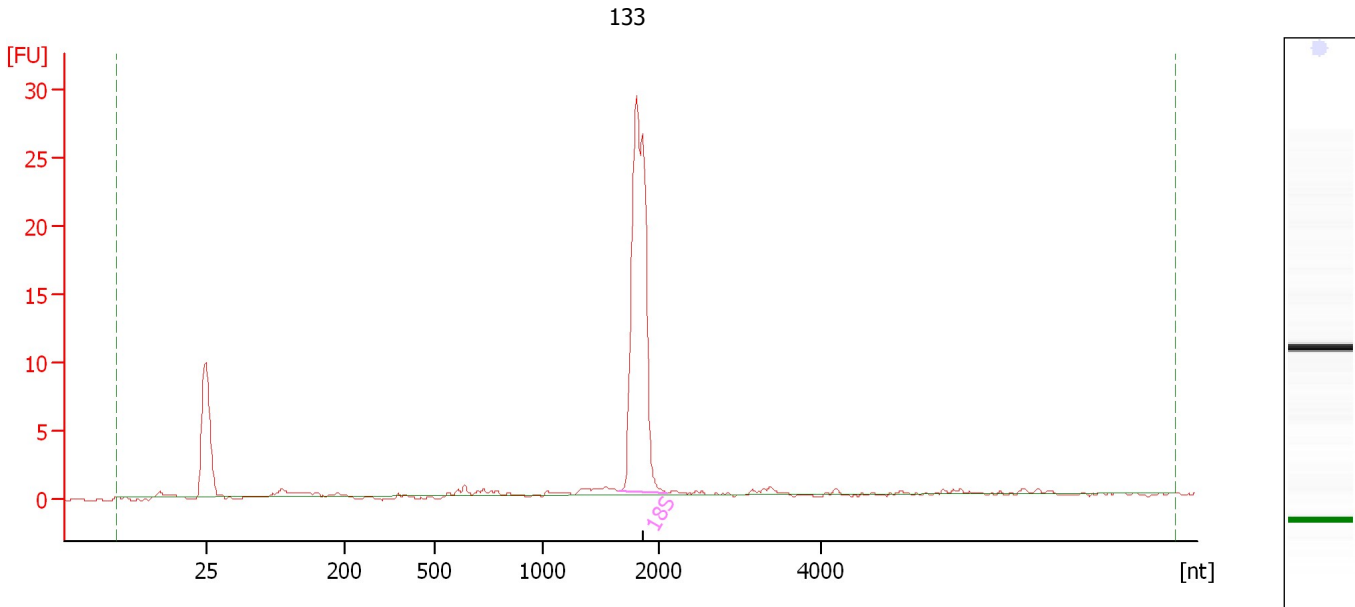
Fragment table for sample 9 : 132

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,637 | 2,055 | 59.6 | 71.9 |
| 28S | 3,819 | 3,939 | 0.4 | 0.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 133

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 60.7 | RNA Integrity Number (RIN): | 9.5 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 37 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.50 |

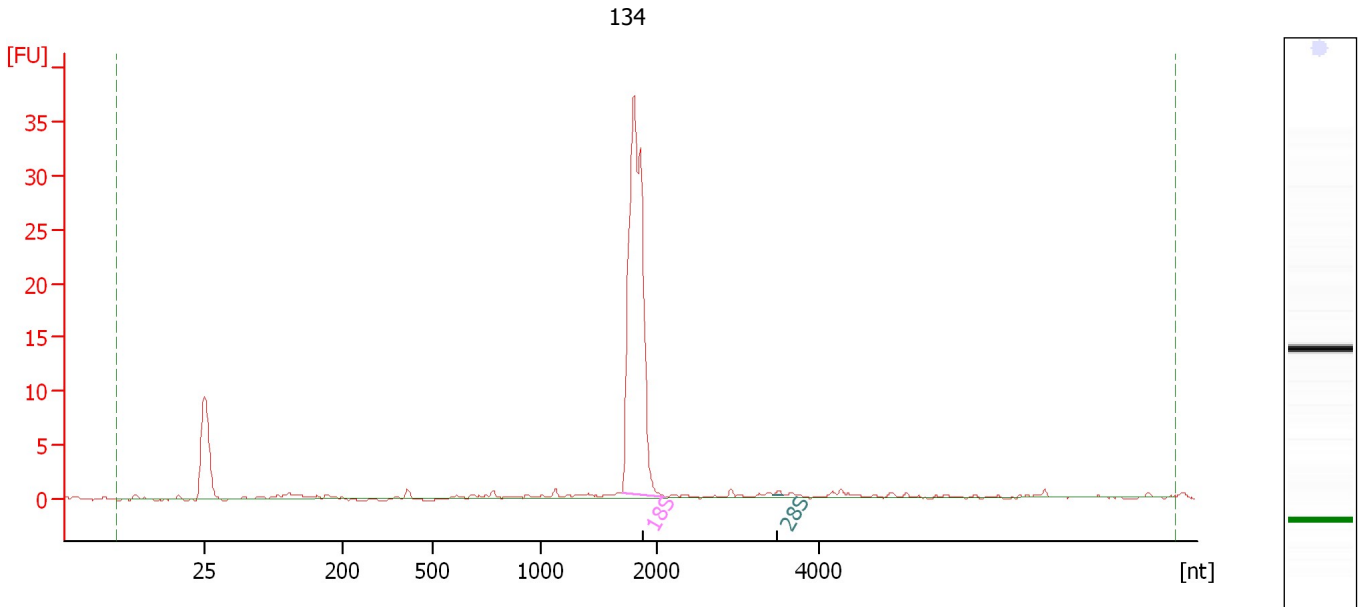
Fragment table for sample 10 : 133

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,654 | 2,094 | 49.4 | 81.4 |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
 Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 134

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 79.6 | RNA Integrity Number (RIN): | 9.8 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 49 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.80 |

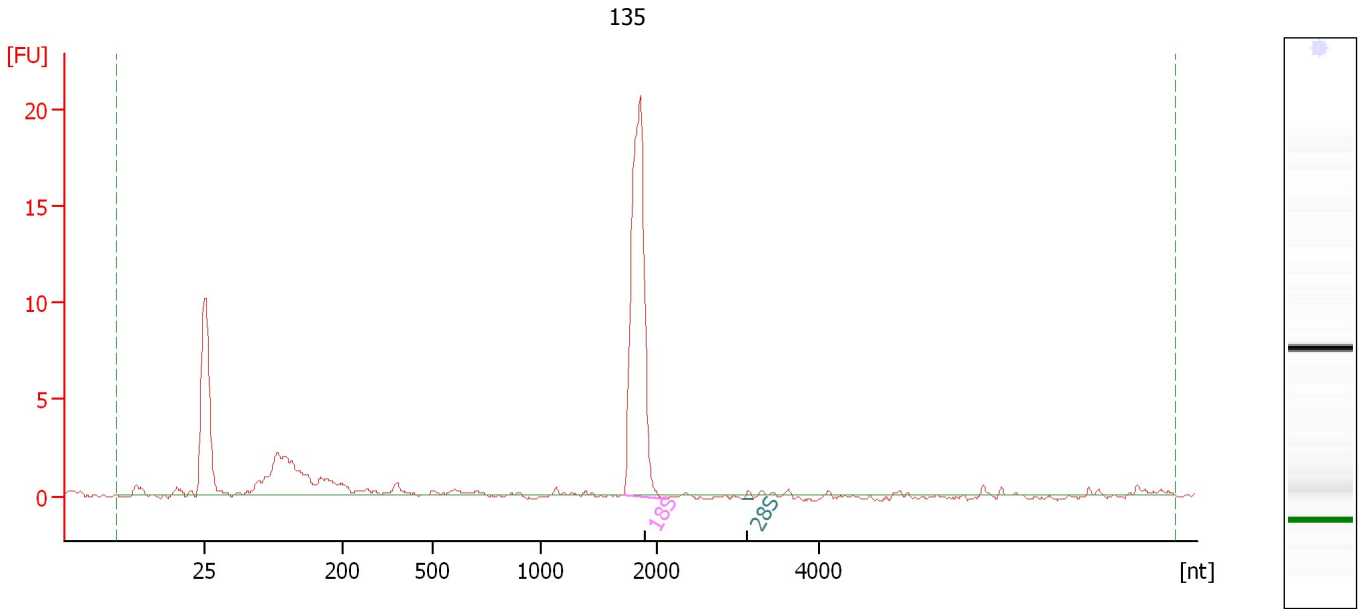
Fragment table for sample 11 : 134

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,698 | 2,093 | 63.0 | 79.1 |
| 28S | 3,438 | 3,571 | 0.2 | 0.2 |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
 Modified: 1/19/2018 12:17:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 135

| | | | |
|-------------------------|----------|-----------------------------|---|
| RNA Area: | 55.3 | RNA Integrity Number (RIN): | 9.4 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 34 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 9.40 |

Fragment table for sample 12 : 135

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,698 | 2,120 | 32.9 | 59.6 |
| 28S | 3,065 | 3,198 | 0.2 | 0.4 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19_003.xad

Created: 1/19/2018 11:39:53 AM
Modified: 1/19/2018 12:17:16 PM

Gel Image

