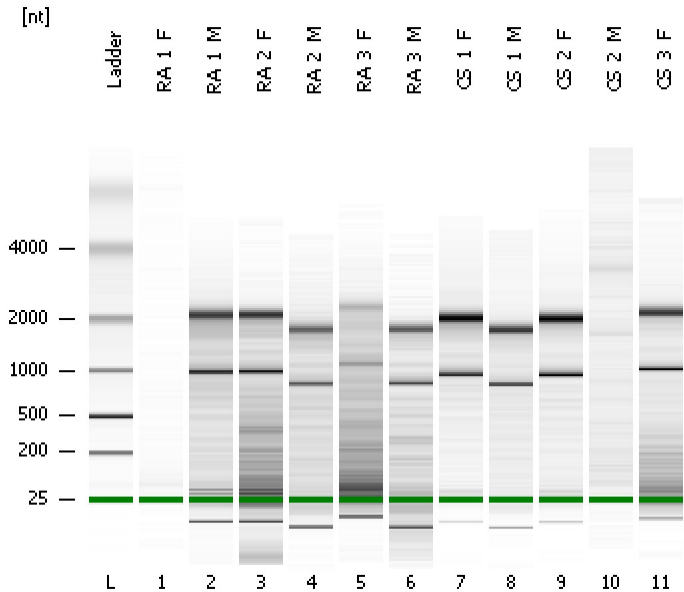


Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electrophoresis File Run Summary



Instrument Information:

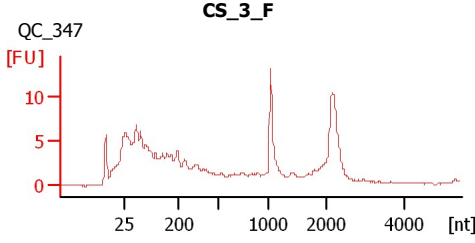
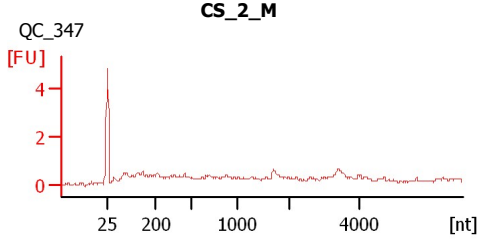
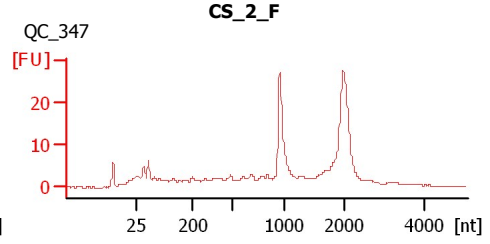
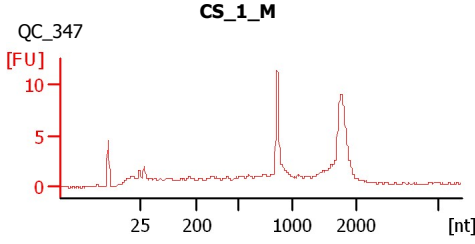
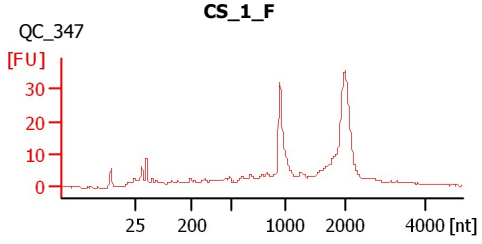
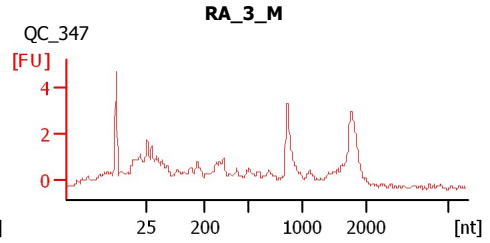
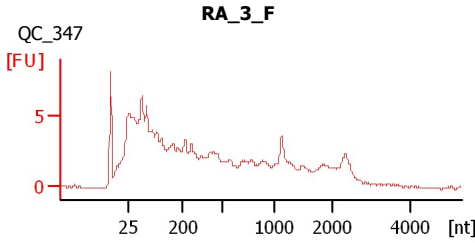
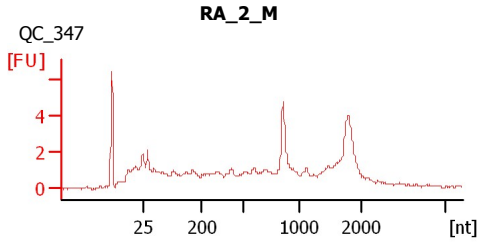
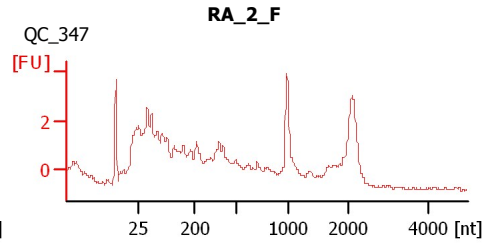
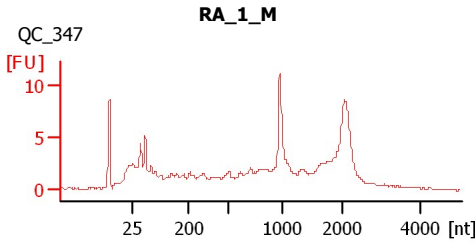
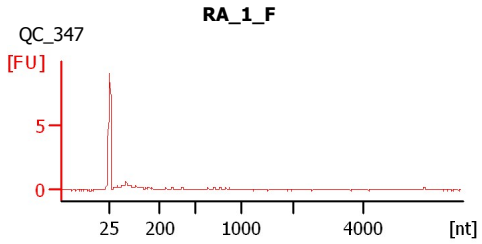
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Prokaryote Total RNA Pico Series II.xsy
Assay Class: Prokaryote Total RNA Pico
Version: 2.5
Assay Comments: Total RNA Analysis pg sensitivity (Prokaryote)
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Chip Information:

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



Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RA_1_F	QC_347	✓		
RA_1_M	QC_347	✓		
RA_2_F	QC_347	✓		
RA_2_M	QC_347	✓		
RA_3_F	QC_347	✓		
RA_3_M	QC_347	✓		
CS_1_F	QC_347	✓		
CS_1_M	QC_347	✓		
CS_2_F	QC_347	✓		
CS_2_M	QC_347	✓		
CS_3_F	QC_347	✓		
Ladder		✓		

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

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 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/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ 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

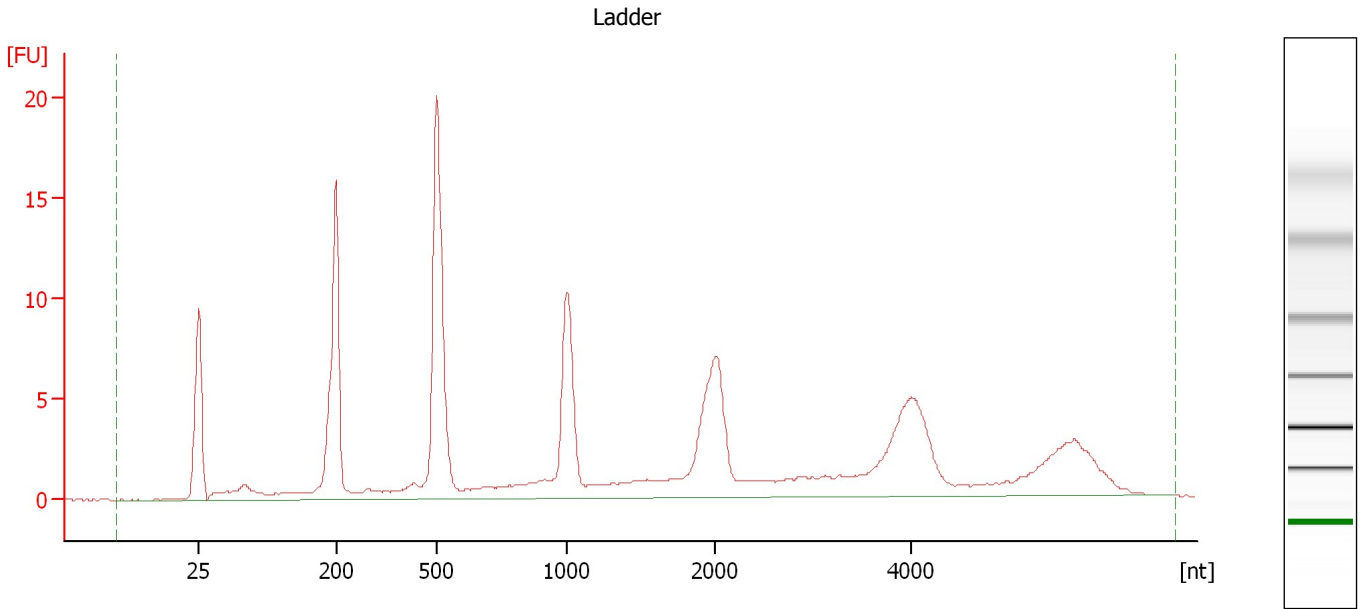
Ladder

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

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary



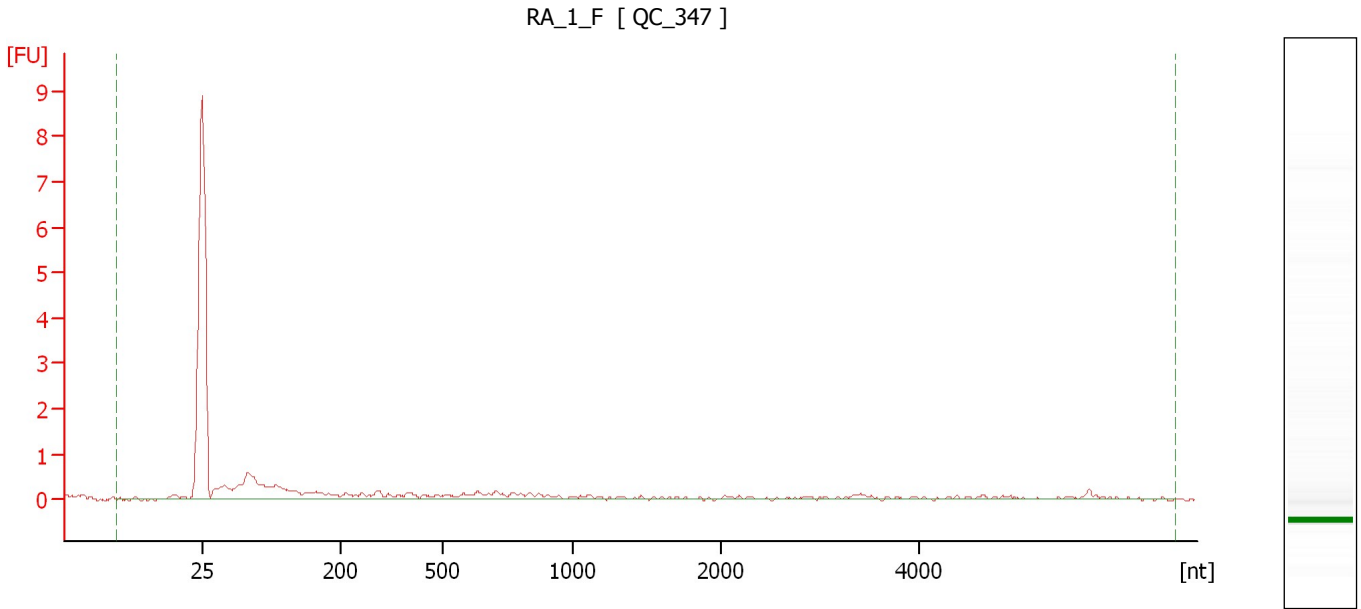
Overall Results for Ladder

RNA Area: 163.6 RNA Concentration: 1,000 pg/μl

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



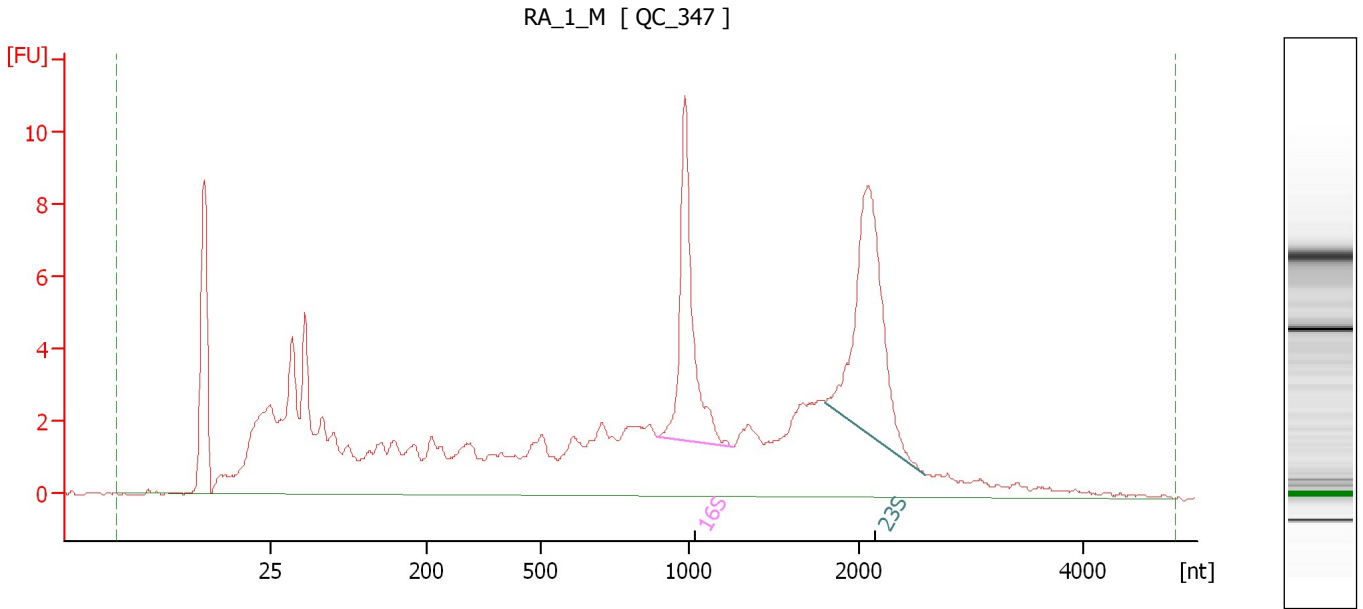
Overall Results for sample 1 : RA_1_F

RNA Area:	10.9	rRNA Ratio [23s / 16s]:	0.0
RNA Concentration:	67 pg/μl	RNA Integrity Number (RIN):	1 (B.02.08)

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RA_1_M

RNA Area: 172.4 rRNA Ratio [23s / 16s]: 1.3
RNA Concentration: 1,053 pg/μl RNA Integrity Number (RIN): 7 (B.02.08)

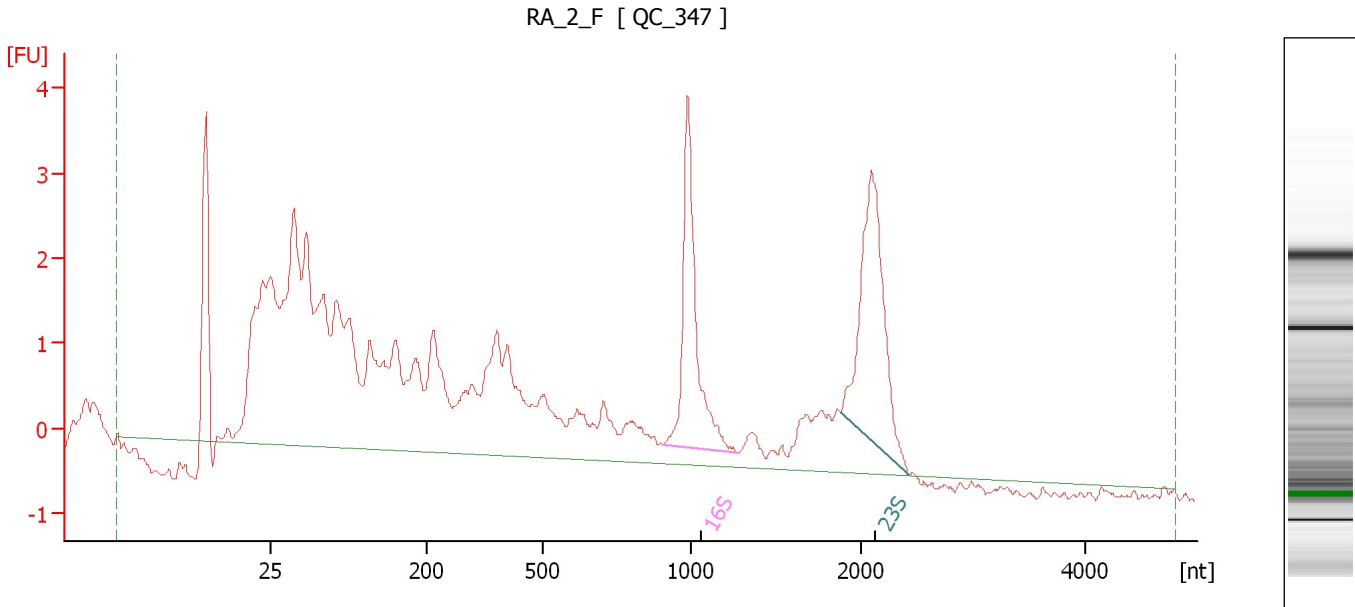
Fragment table for sample 2 : RA_1_M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	892	1,254	13.9	8.1
23S	1,802	2,587	18.4	10.7

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
 Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : RA_2_F

RNA Area:	77.3	RNA Integrity Number (RIN):	6.4 (B.02.08,
RNA Concentration:	472 µg/µl		Anomaly Threshold(s)
rRNA Ratio [23s / 16s]:	1.2		manually adapted)

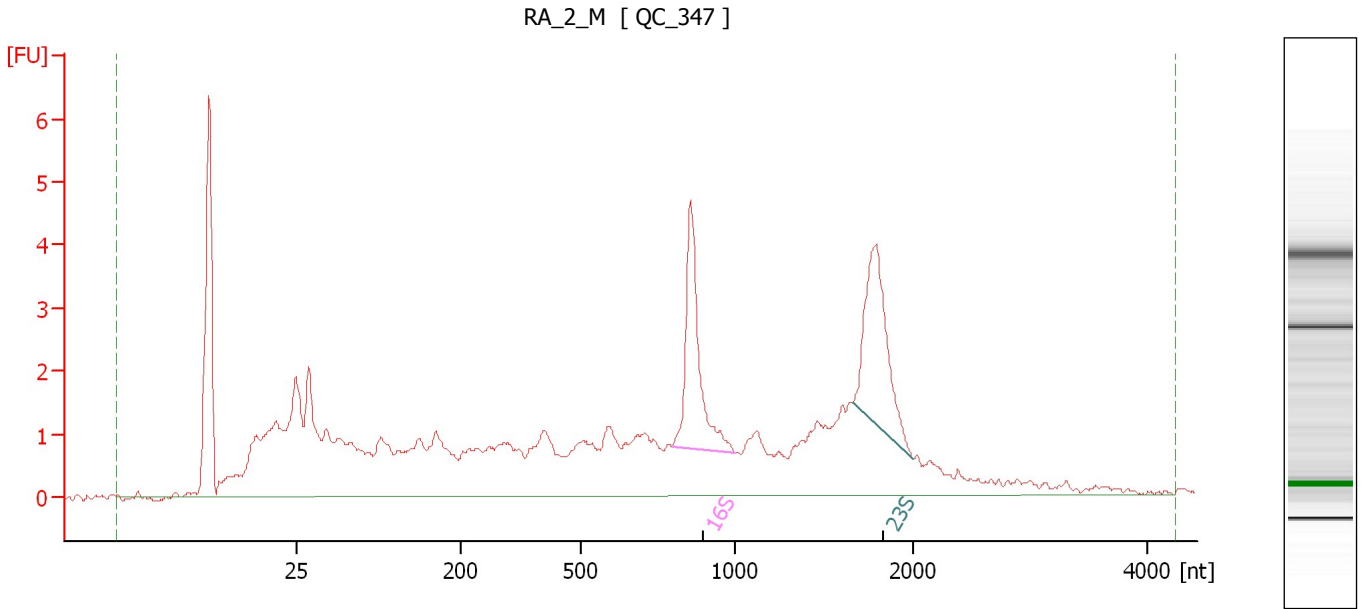
Fragment table for sample 3 : RA_2_F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	901	1,280	6.2	8.0
23S	1,878	2,424	7.2	9.4

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RA 2 M

RNA Area: 87.2 rRNA Ratio [23s / 16s]: 1.1
RNA Concentration: 533 pg/μl RNA Integrity Number (RIN): 6.4 (B.02.08)

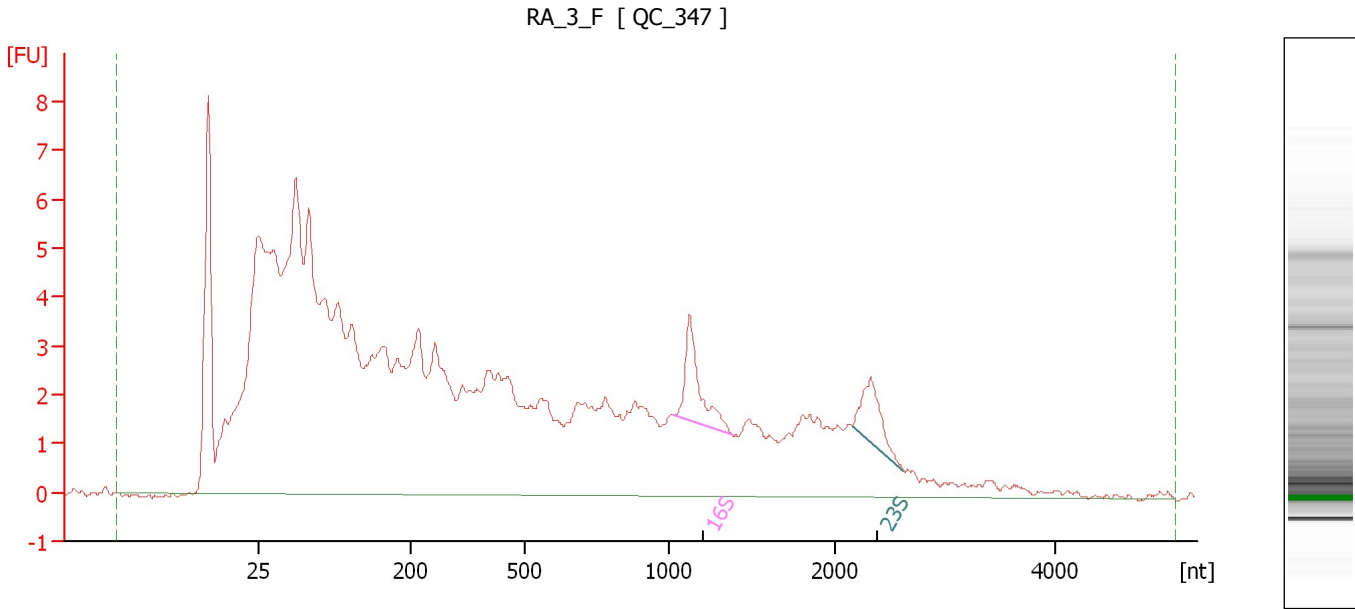
Fragment table for sample 4 : RA 2 M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	795	999	5.9	6.7
23S	1,656	1,999	6.2	7.2

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RA 3 F

RNA Area: 201.9 rRNA Ratio [23s / 16s]: 0.7
RNA Concentration: 1,234 pg/μl RNA Integrity Number (RIN): 3.1 (B.02.08)

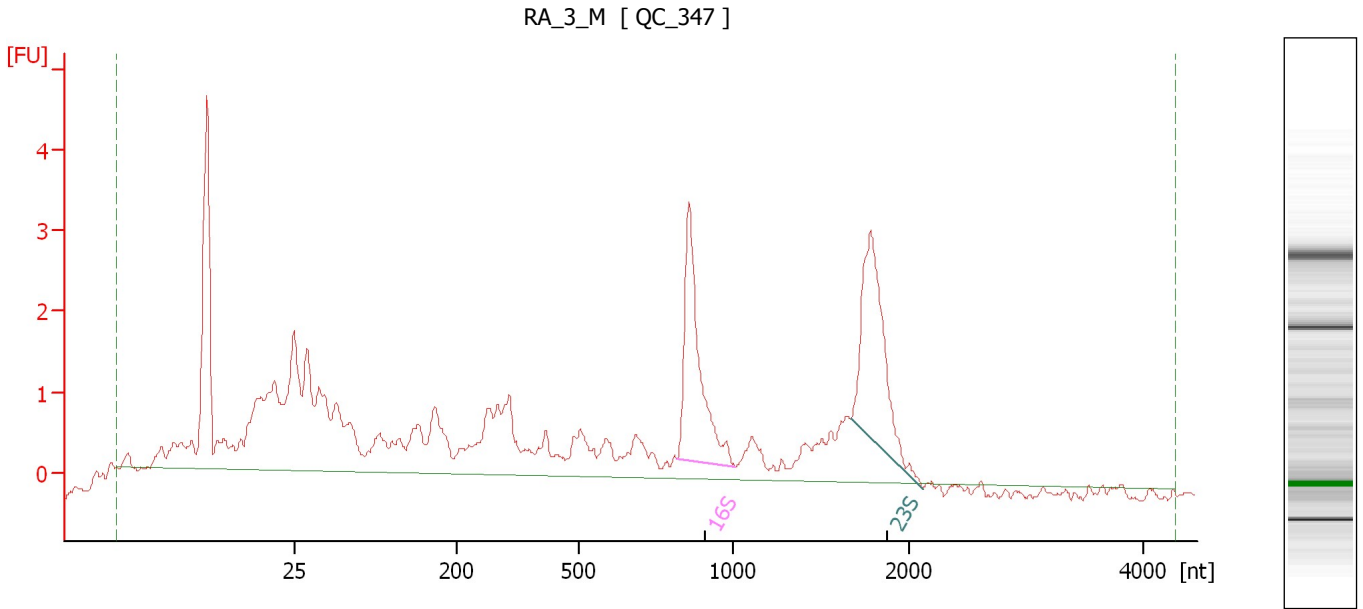
Fragment table for sample 5 : RA 3 F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,022	1,382	3.6	1.8
23S	2,156	2,623	2.5	1.2

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
 Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RA 3 M

RNA Area: 60.0 rRNA Ratio [23s / 16s]: 1.0
 RNA Concentration: 367 pg/μl RNA Integrity Number (RIN): 7 (B.02.08)

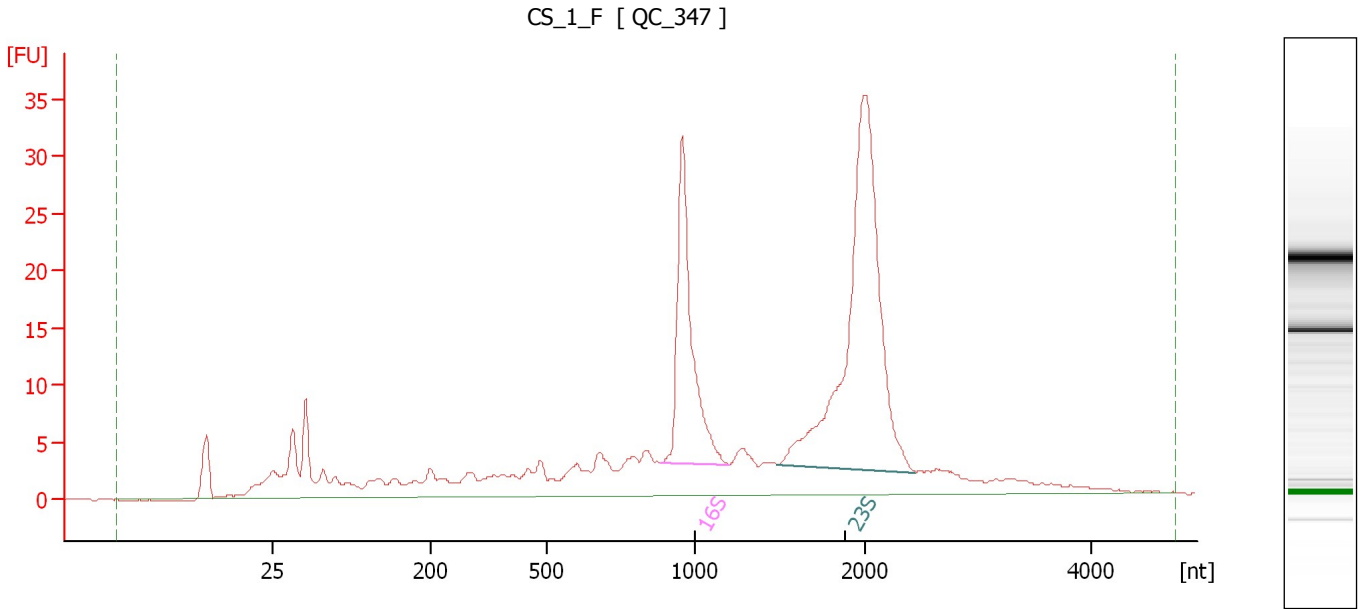
Fragment table for sample 6 : RA 3 M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	821	1,020	5.5	9.1
23S	1,673	2,118	5.6	9.3

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CS_1_F

RNA Area: 344.6 rRNA Ratio [23s / 16s]: 2.2
RNA Concentration: 2,106 pg/μl RNA Integrity Number (RIN): 8.6 (B.02.08)

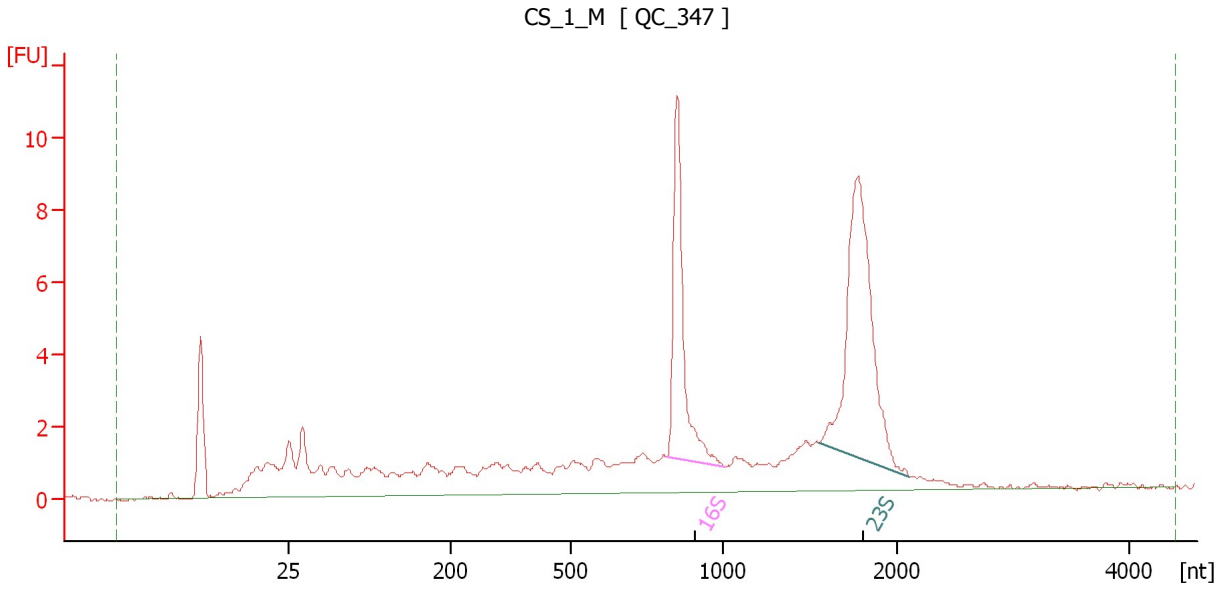
Fragment table for sample 7 : CS_1_F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	885	1,201	47.1	13.7
23S	1,483	2,441	102.7	29.8

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CS 1 M

RNA Area: 95.8 rRNA Ratio [23s / 16s]: 1.7
RNA Concentration: 585 pg/μl RNA Integrity Number (RIN): 7.9 (B.02.08)

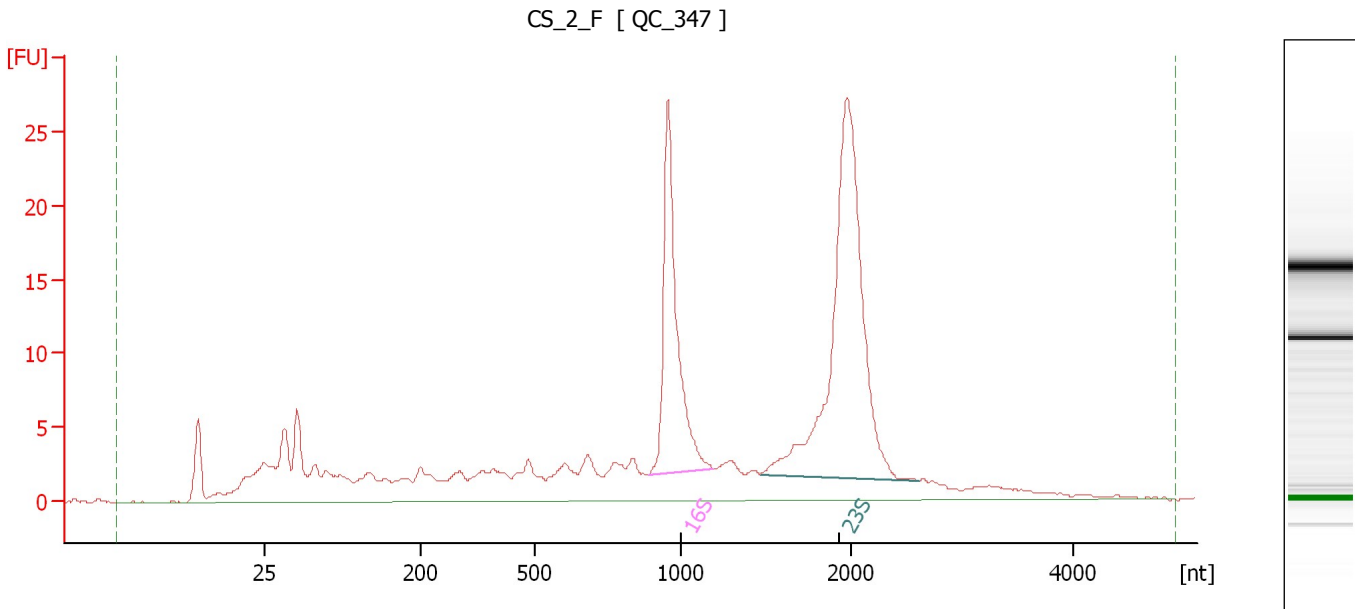
Fragment table for sample 8 : CS 1 M

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	814	1,012	11.3	11.8
23S	1,549	2,102	19.2	20.0

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
 Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CS_2_F

RNA Area: 283.7 rRNA Ratio [23s / 16s]: 1.9
 RNA Concentration: 1,733 pg/μl RNA Integrity Number (RIN): 8.4 (B.02.08)

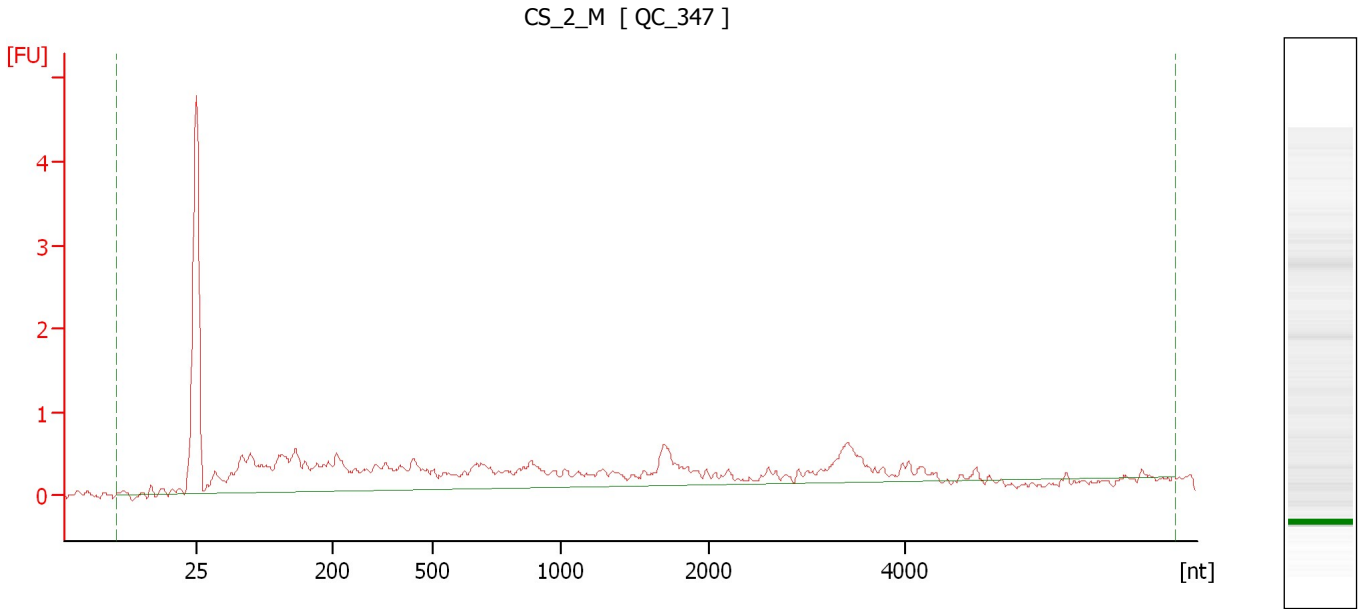
Fragment table for sample 9 : CS_2_F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	884	1,186	39.9	14.1
23S	1,465	2,612	76.6	27.0

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

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Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



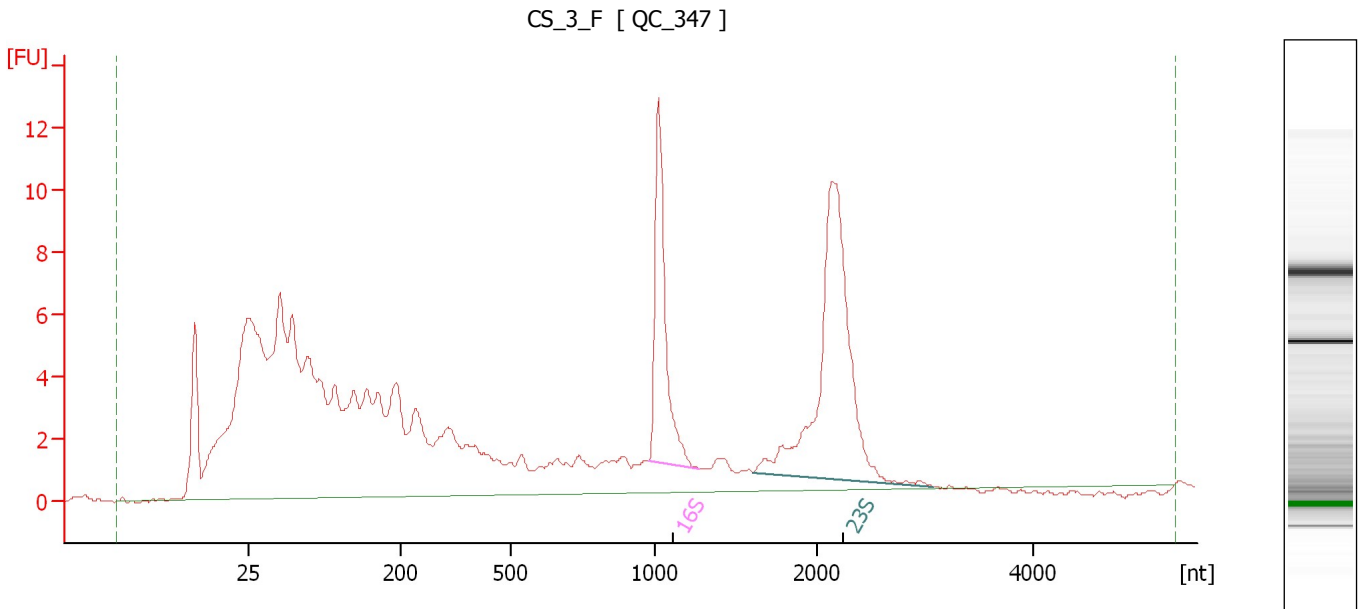
Overall Results for sample 10 : CS 2 M

RNA Area:	21.4	rRNA Ratio [23s / 16s]:	0.0
RNA Concentration:	131 pg/ μ l	RNA Integrity Number (RIN):	1.2 (B.02.08)

Assay Class: Prokaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
 Modified: 11/1/2018 4:26:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CS 3 F

RNA Area:	190.7	RNA Integrity Number (RIN):	7.4 (B.02.08,
RNA Concentration:	1,165 µg/µl		Anomaly Threshold(s)
rRNA Ratio [23s / 16s]:	2.1		manually adapted)

Fragment table for sample 11 : CS 3 F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	978	1,277	14.1	7.4
23S	1,610	3,060	29.1	15.3

Assay Class: Prokaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2018-11-01\2018-11-01_001.xad

Created: 11/1/2018 3:53:03 PM
Modified: 11/1/2018 4:26:15 PM

Gel Image

