

Assay Class: Prokaryote Total RNA Nano
Data Path: C:\...rokaryote Total RNA Nano_DE72904769_2016-10-07_11-33-43.xad

Created: 10/7/2016 11:33:42 AM
Modified: 10/7/2016 11:59:13 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE72904769
Serial#: DE72904769

Firmware: C.01.069
Type: G2938C

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)

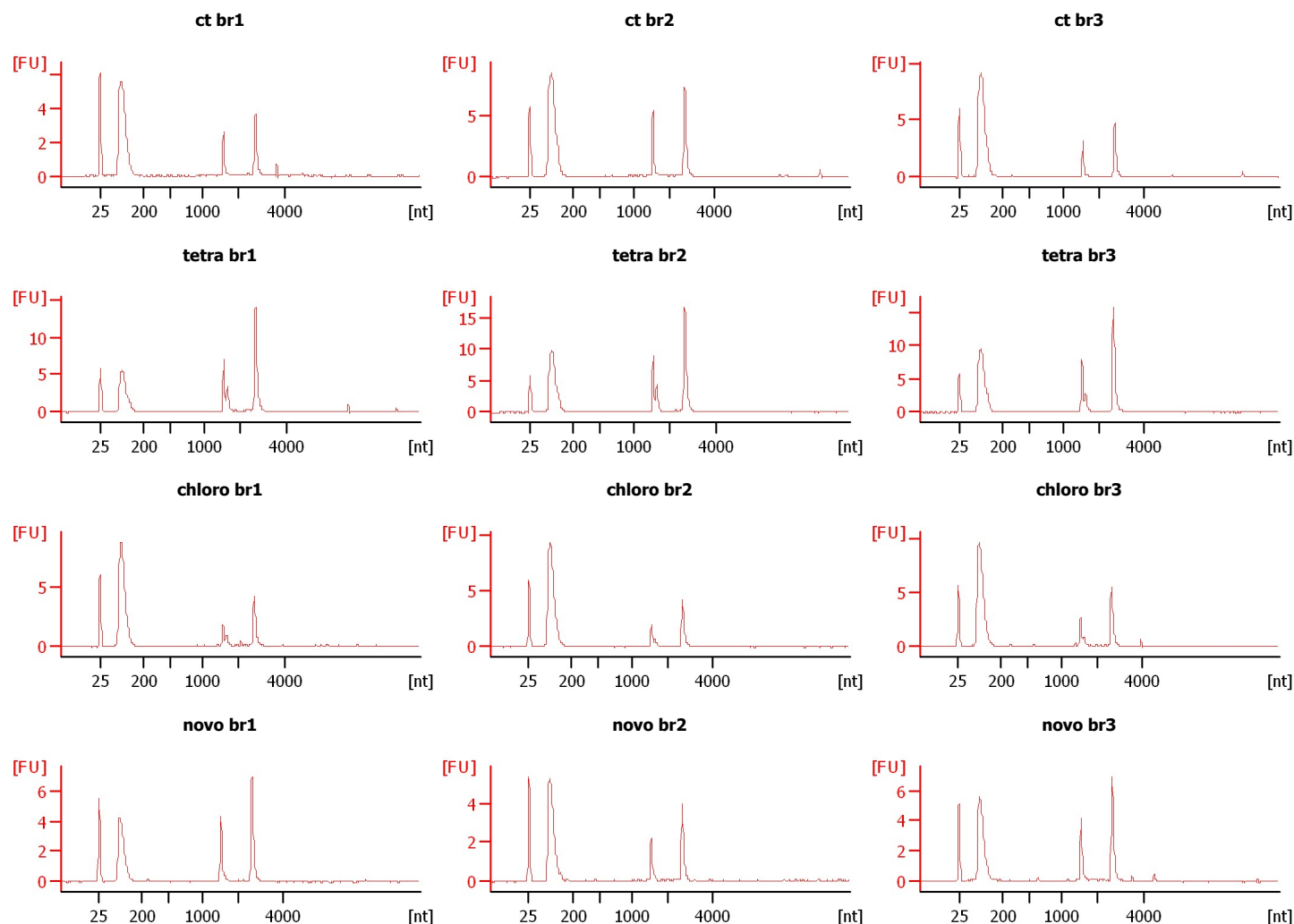
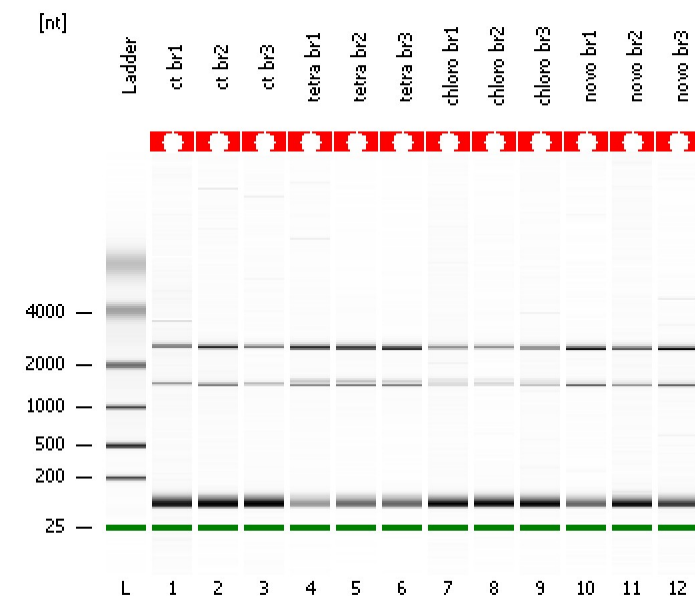
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ct br1		✓		
ct br2		✓		
ct br3		✓		
tetra br1		✓		
tetra br2		✓		
tetra br3		✓		
chloro br1		✓		
chloro br2		✓		
chloro br3		✓		
novo br1		✓		
novo br2		✓		
novo br3		✓		
Ladder		✓		

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

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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/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 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

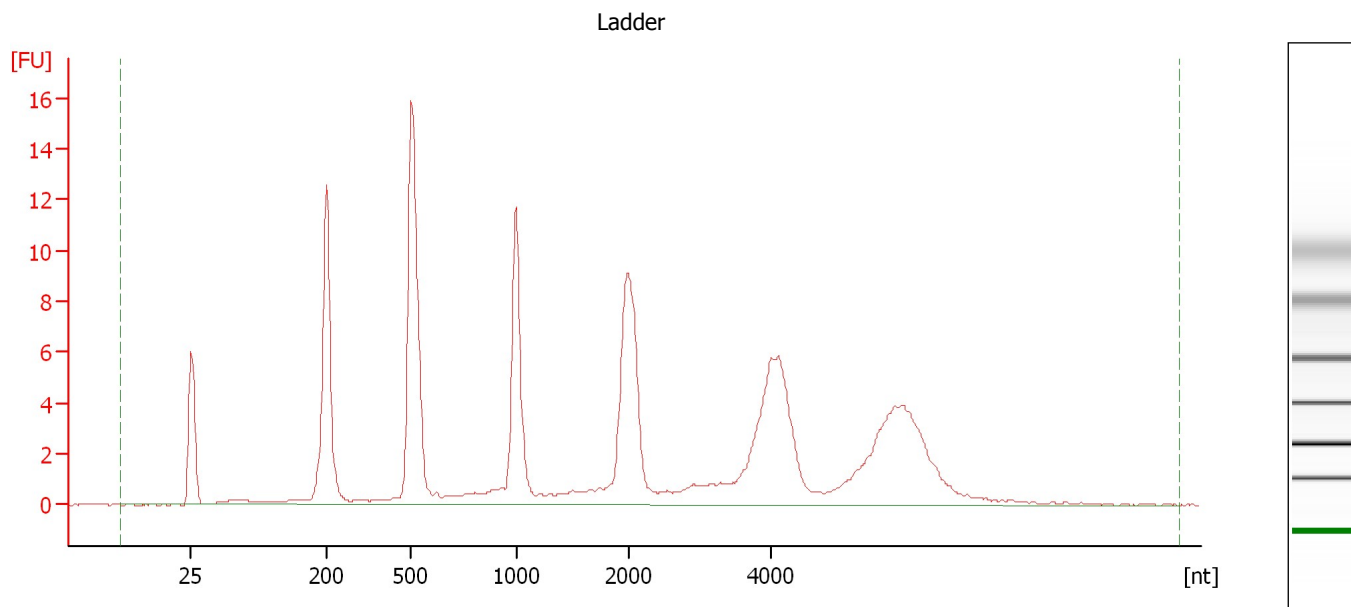
Ladder

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

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Electropherogram Summary



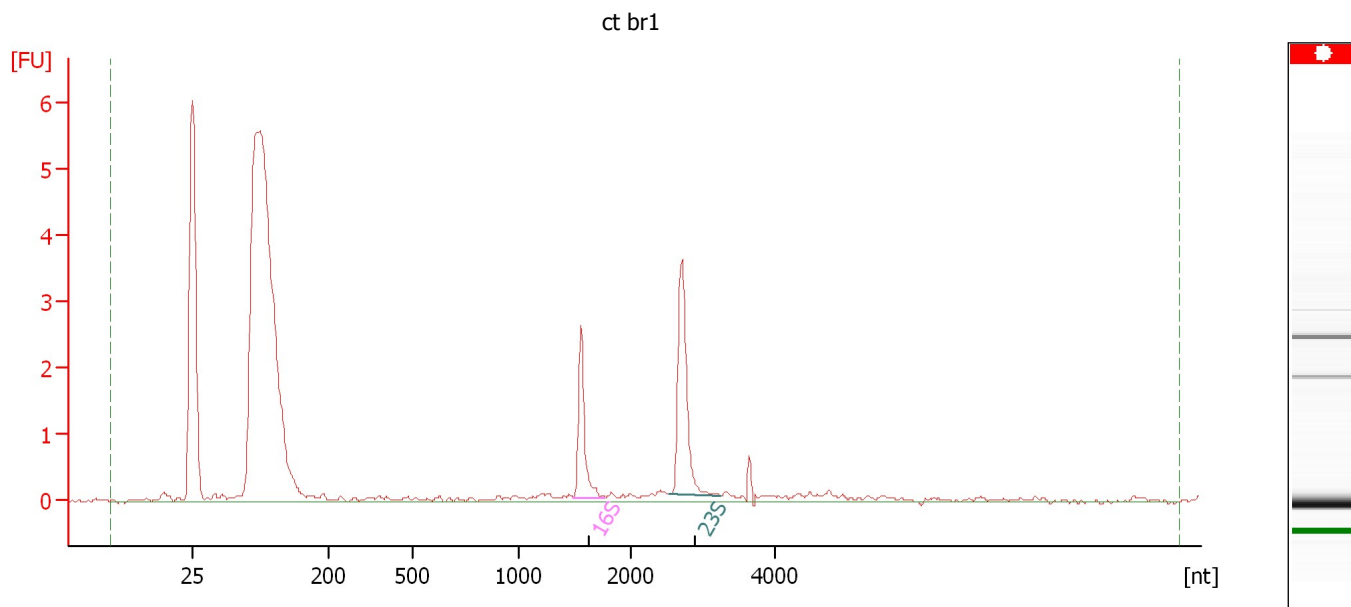
Overall Results for Ladder

RNA Area: 142.8

RNA Concentration: 150 ng/ μ l

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Electropherogram Summary Continued ...**Overall Results for sample 1 : ct br1**

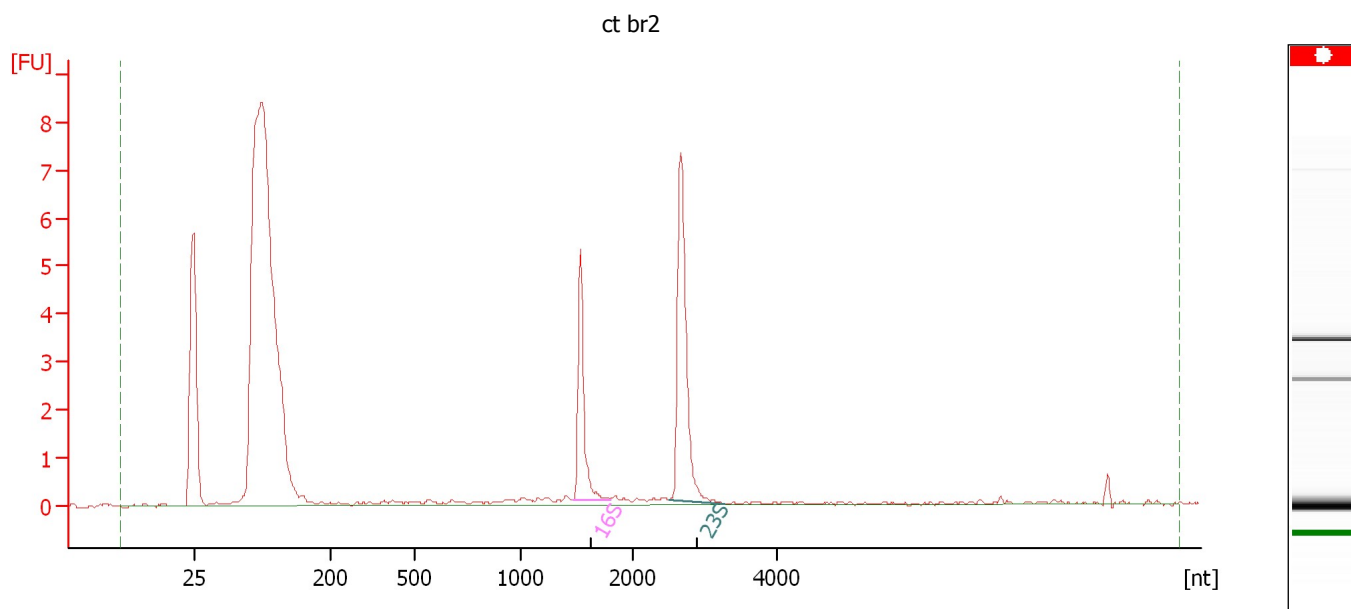
RNA Area: 38.0 rRNA Ratio [23s / 16s]: 1.7
RNA Concentration: 40 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 1 : ct br1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,487	1,772	2.1	5.6
23S	2,522	3,252	3.6	9.4

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Electropherogram Summary Continued ...**Overall Results for sample 2 : ct br2**

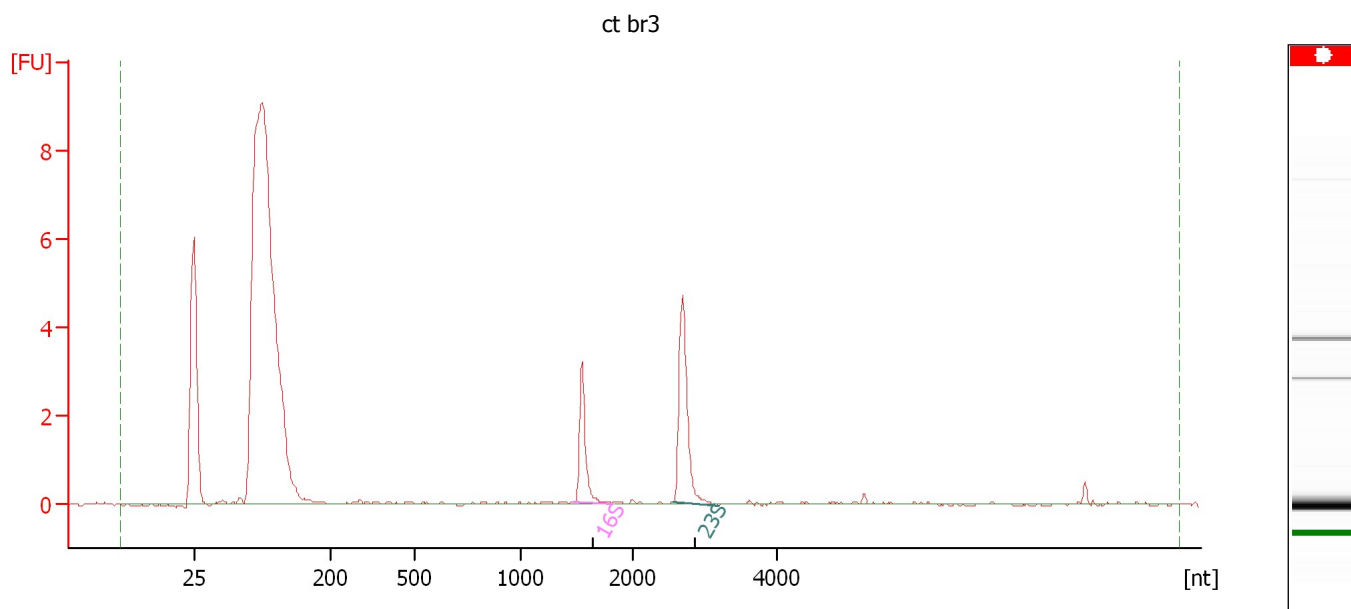
RNA Area: 55.5 rRNA Ratio [23s / 16s]: 1.8
RNA Concentration: 58 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 2 : ct br2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,470	1,802	4.1	7.3
23S	2,493	3,281	7.2	12.9

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Electropherogram Summary Continued ...**Overall Results for sample 3 : ct br3**

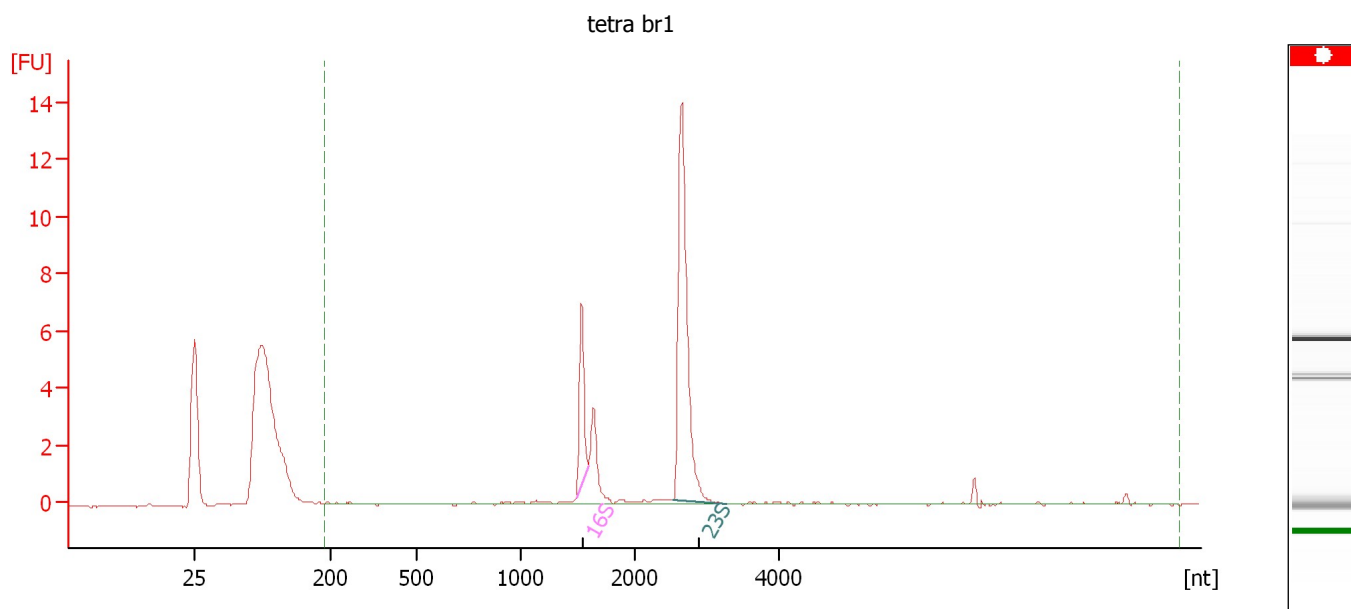
RNA Area: 49.9 rRNA Ratio [23s / 16s]: 1.8
RNA Concentration: 52 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 3 : ct br3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,470	1,821	2.5	5.0
23S	2,567	3,191	4.5	9.0

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Electropherogram Summary Continued ...**Overall Results for sample 4 : tetra br1**

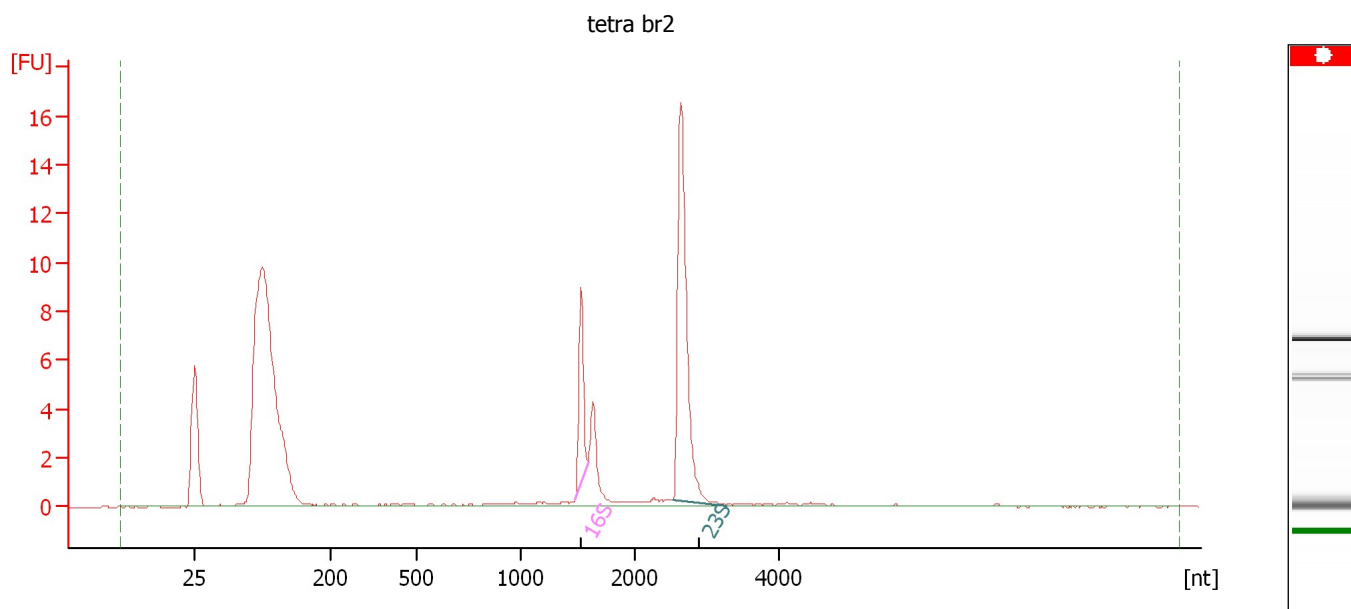
RNA Area:	17.1	rRNA Ratio [23s / 16s]:	3.6
RNA Concentration:	18 ng/μl	RNA Integrity Number (RIN):	N/A (B.02.08)

Fragment table for sample 4 : tetra br1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,482	1,586	3.9	23.0
23S	2,538	3,294	13.9	81.7

Assay Class: Prokaryote Total RNA Nano
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Electropherogram Summary Continued ...**Overall Results for sample 5 : tetra br2**

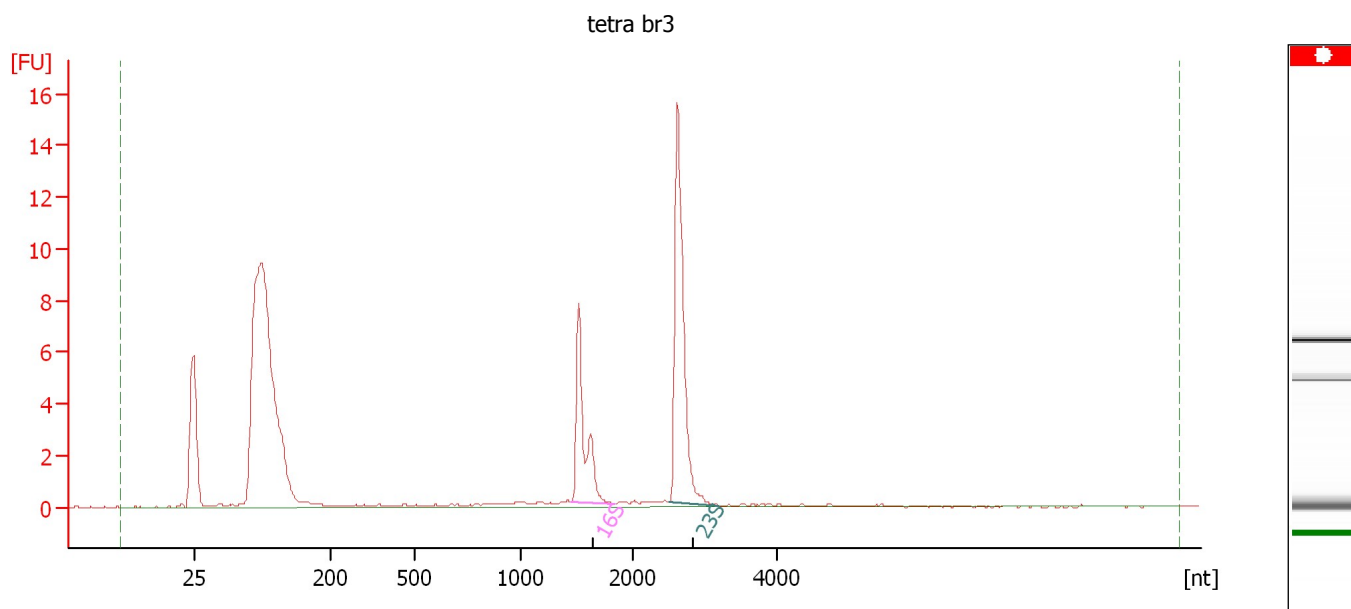
RNA Area: 73.3 rRNA Ratio [23s / 16s]: 3.3
RNA Concentration: 77 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 5 : tetra br2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,473	1,586	5.0	6.8
23S	2,523	3,279	16.3	22.3

Assay Class: Prokaryote Total RNA Nano
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Electropherogram Summary Continued ...**Overall Results for sample 6 : tetra br3**

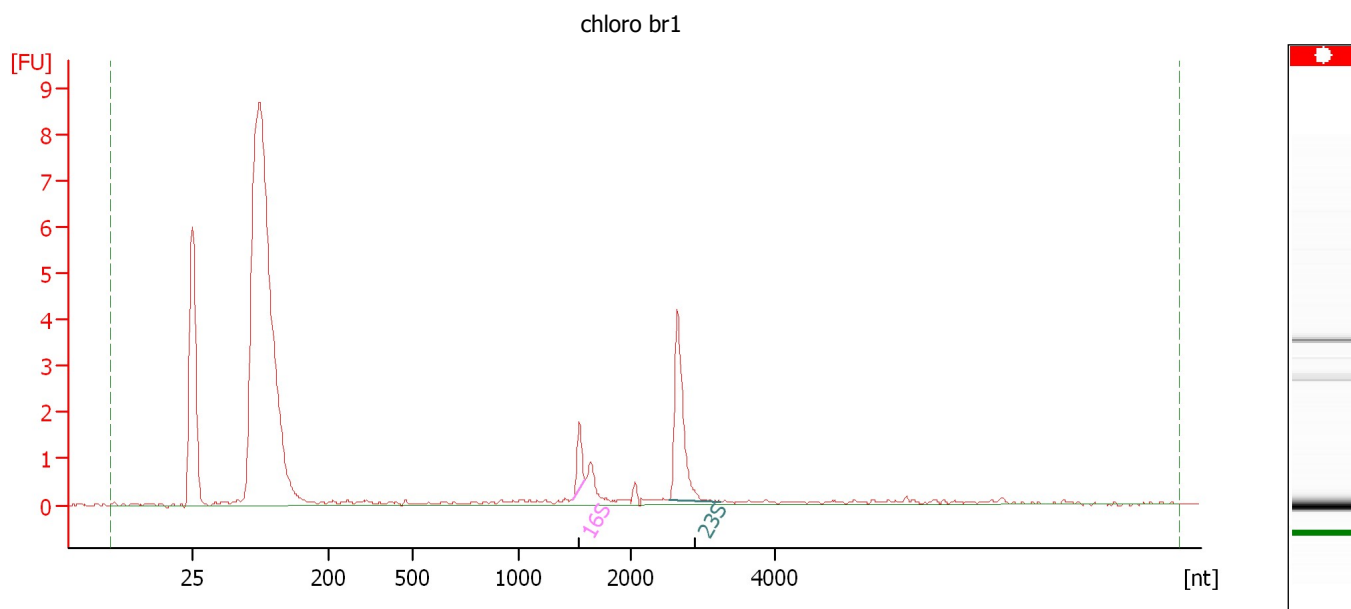
RNA Area:	73.6	rRNA Ratio [23s / 16s]:	1.8
RNA Concentration:	77 ng/μl	RNA Integrity Number (RIN):	N/A (B.02.08)

Fragment table for sample 6 : tetra br3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,451	1,850	8.4	11.4
23S	2,508	3,206	15.3	20.7

Assay Class: Prokaryote Total RNA Nano
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Electropherogram Summary Continued ...**Overall Results for sample 7 : chloro br1**

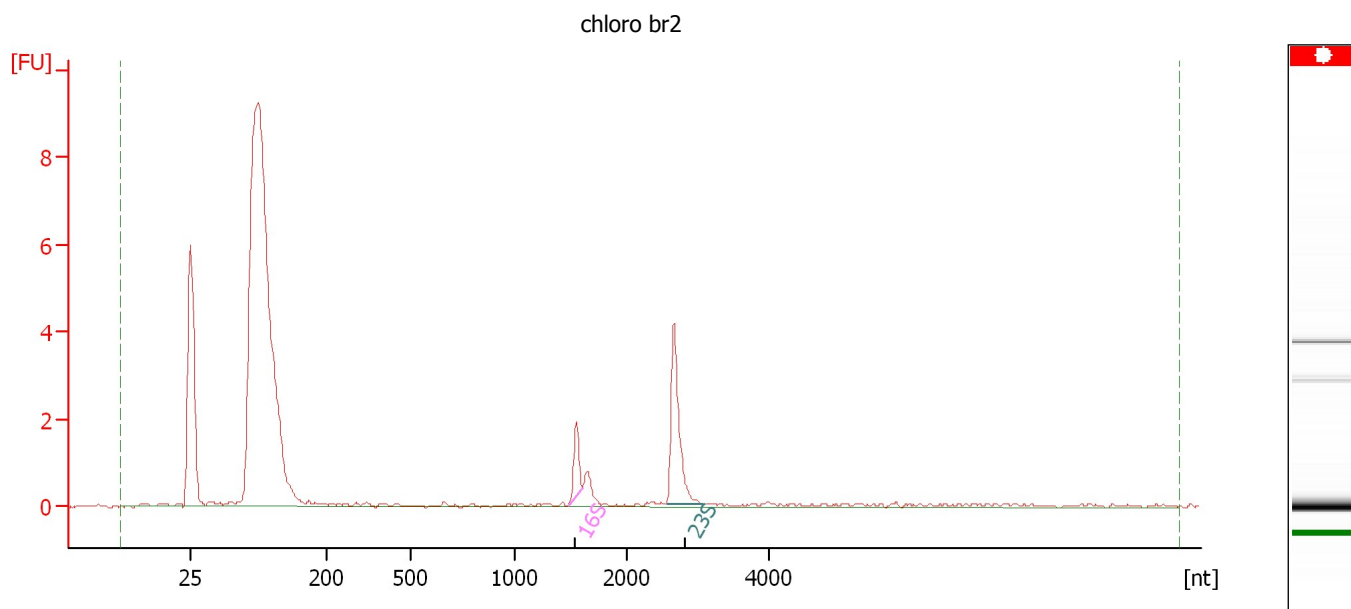
RNA Area: 47.5 rRNA Ratio [23s / 16s]: 4.4
RNA Concentration: 50 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 7 : chloro br1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,487	1,601	0.9	2.0
23S	2,522	3,252	4.1	8.6

Assay Class: Prokaryote Total RNA Nano
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Electropherogram Summary Continued ...**Overall Results for sample 8 : chloro br2**

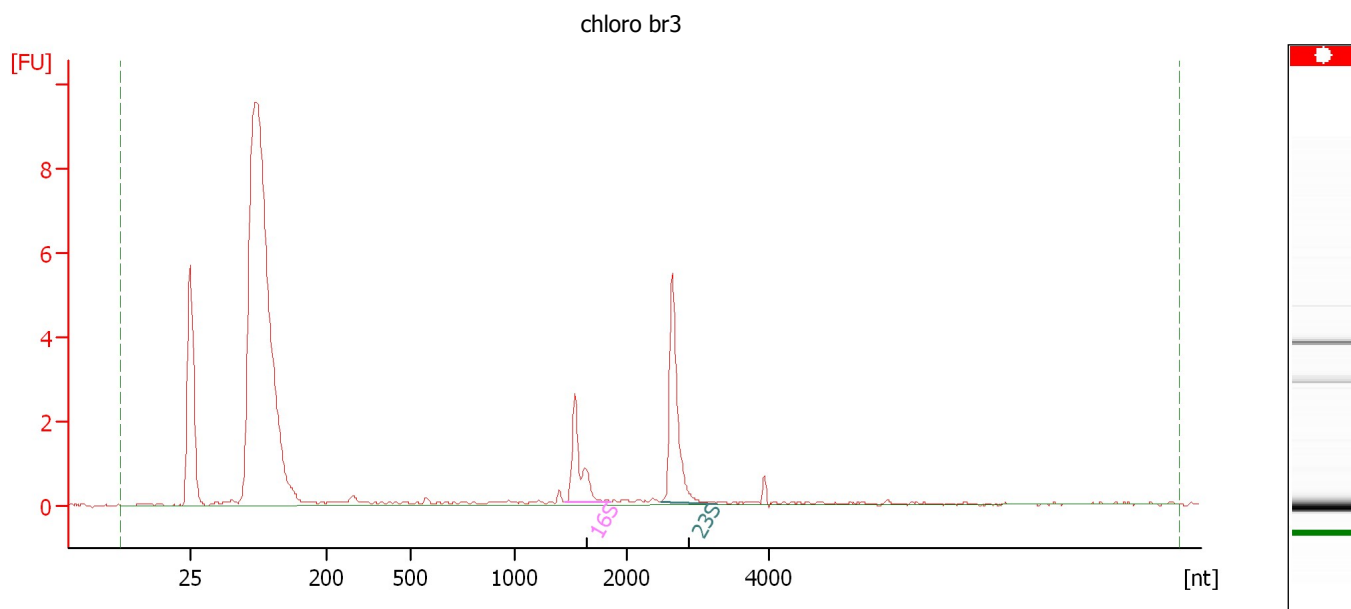
RNA Area:	49.1	rRNA Ratio [23s / 16s]:	3.4
RNA Concentration:	52 ng/μl	RNA Integrity Number (RIN):	N/A (B.02.08)

Fragment table for sample 8 : chloro br2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,483	1,607	1.2	2.4
23S	2,551	3,075	4.0	8.1

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Electropherogram Summary Continued ...**Overall Results for sample 9 : chloro br3**

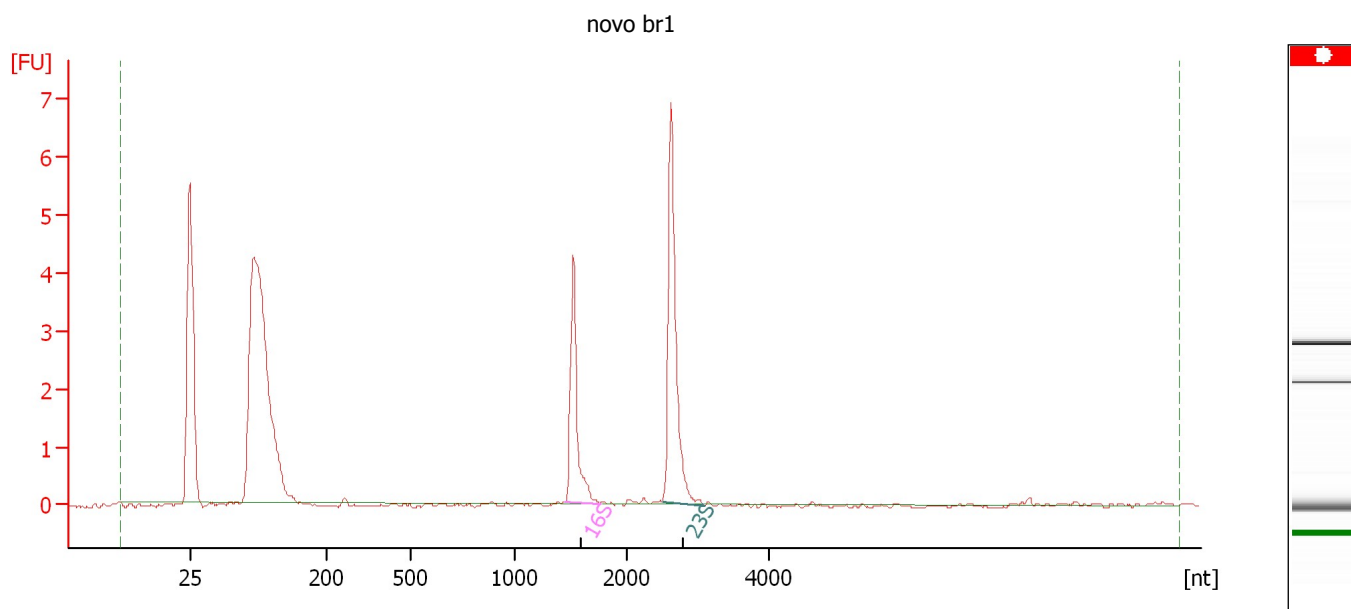
RNA Area: 51.9 rRNA Ratio [23s / 16s]: 1.9
RNA Concentration: 55 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 9 : chloro br3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,454	1,865	2.8	5.4
23S	2,477	3,254	5.3	10.2

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Electropherogram Summary Continued ...**Overall Results for sample 10 : novo br1**

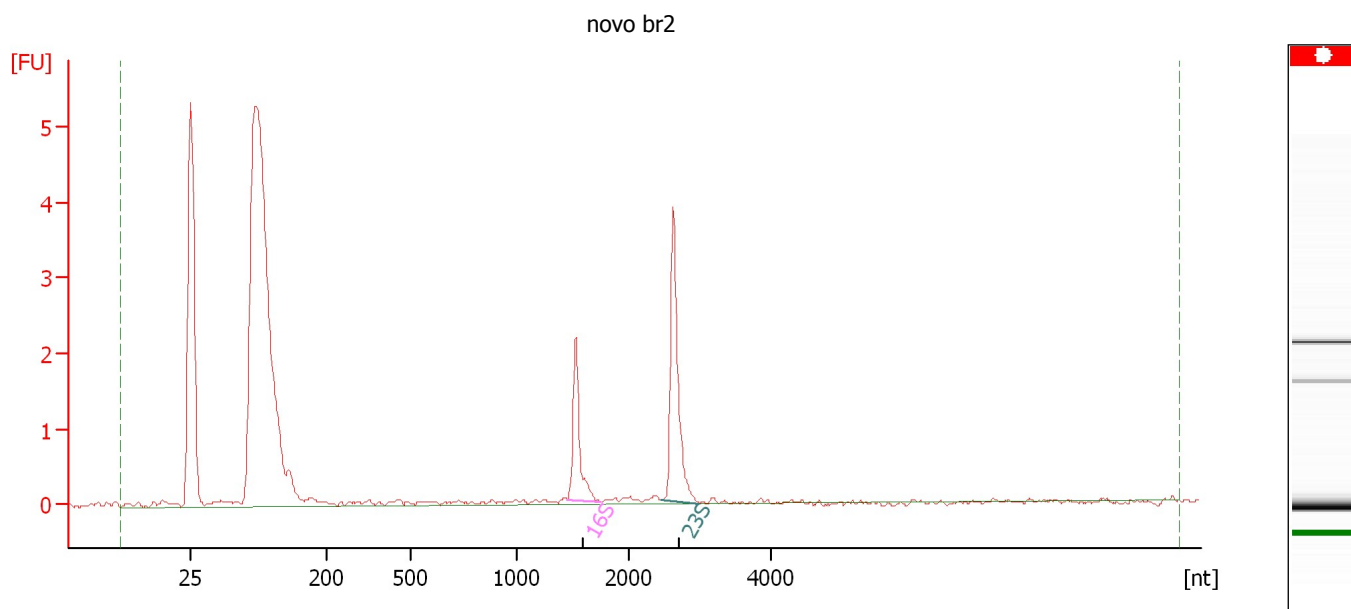
RNA Area:	26.8	rRNA Ratio [23s / 16s]:	1.8
RNA Concentration:	28 ng/μl	RNA Integrity Number (RIN):	N/A (B.02.08)

Fragment table for sample 10 : novo br1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,454	1,760	3.6	13.3
23S	2,507	3,090	6.4	23.9

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Electropherogram Summary Continued ...**Overall Results for sample 11 : novo br2**

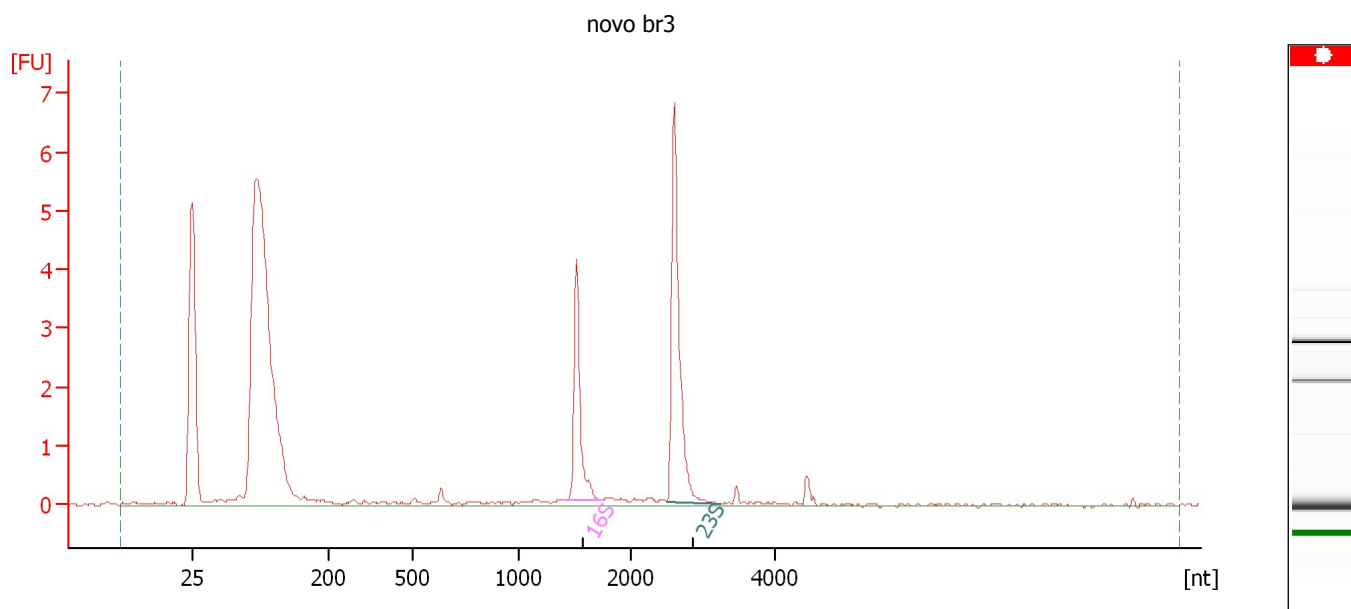
RNA Area:	30.1	rRNA Ratio [23s / 16s]:	1.8
RNA Concentration:	32 ng/μl	RNA Integrity Number (RIN):	N/A (B.02.08)

Fragment table for sample 11 : novo br2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,457	1,752	1.9	6.4
23S	2,462	2,985	3.5	11.7

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Electropherogram Summary Continued ...**Overall Results for sample 12 : novo br3**

RNA Area: 37.2 rRNA Ratio [23s / 16s]: 1.8
RNA Concentration: 39 ng/μl RNA Integrity Number (RIN): N/A (B.02.08)

Fragment table for sample 12 : novo br3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
16S	1,421	1,744	3.4	9.2
23S	2,492	3,252	6.2	16.7

Assay Class: Prokaryote Total RNA Nano
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