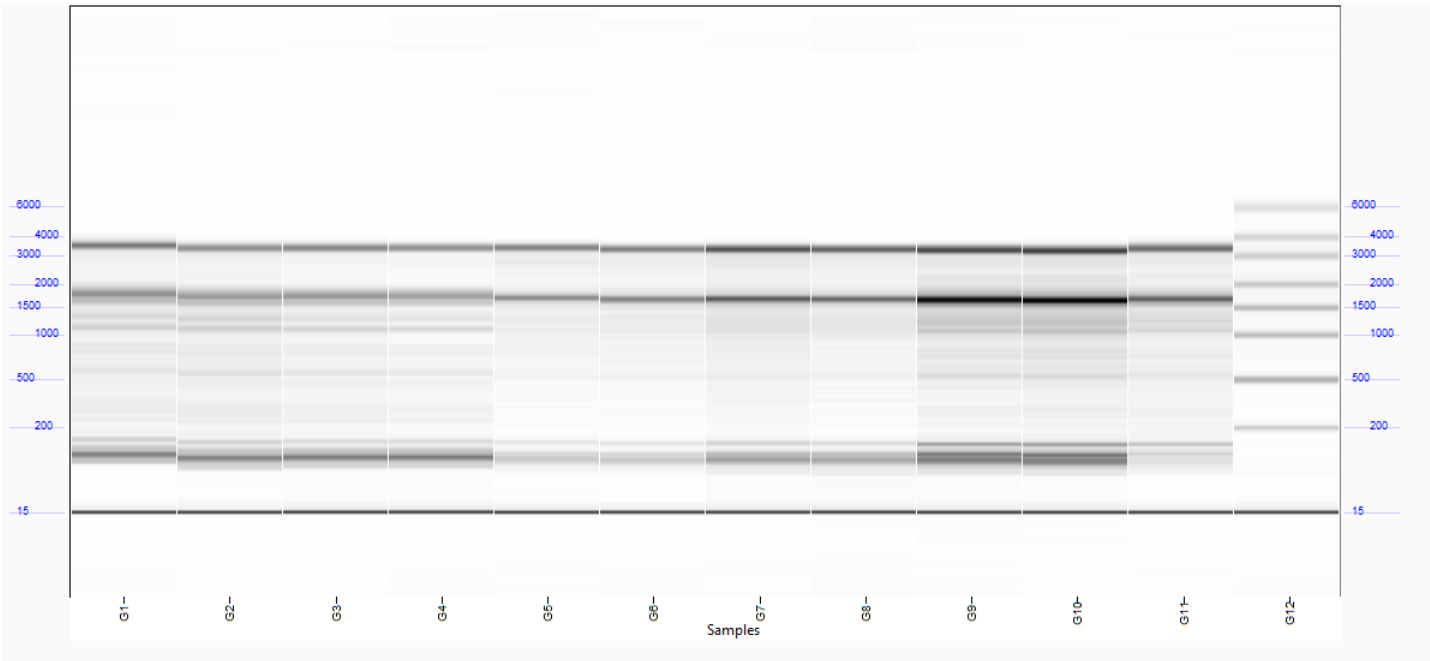
Fragment Analyzer Run Summary:

Filename and Data Path: C:\AATI\Data\2017 12 08\120817-David 15-05-40\2017 12 08 15H 05M.raw
Created: Friday, December 08, 2017 3:27:41 PM
# of Capillaries: 12
Array Serial #: 010917-07SFS
Effect Length: 33 cm
Array Usage Count: 89
FA Version #: 1.1.0.11
Device Serial #: 2821

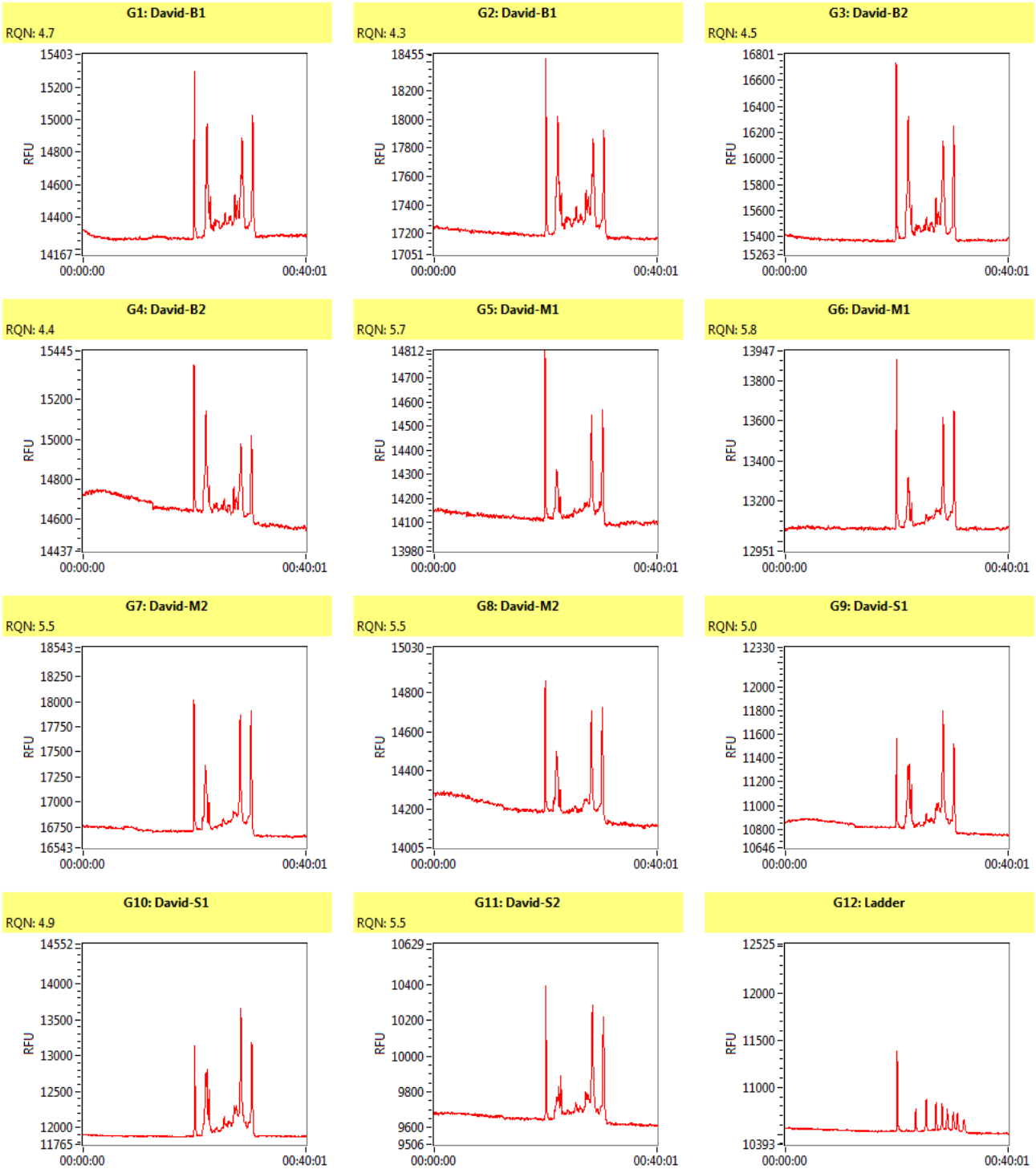
METHOD INFORMATION
Method Name: DNF-472T33 - HS Total RNA 15nt.mthds
Gel Prime: No
Full Conditioning: Yes
Gel Prime to Bufer: Yes
Gel Selection: Gel 1
Perform Prerun: 8.0 kV, 30 sec.
Rinse: No
Marker 1: No
Rinse: Tray: 3, Row: A, # Dips: 2
Sample Injection: 7.0 kV, 150 sec.
Separation: 8.0 kV, 40.0 min.
Tray Name: Tray-1

Analysis Mode: RNA (Eukaryotic)

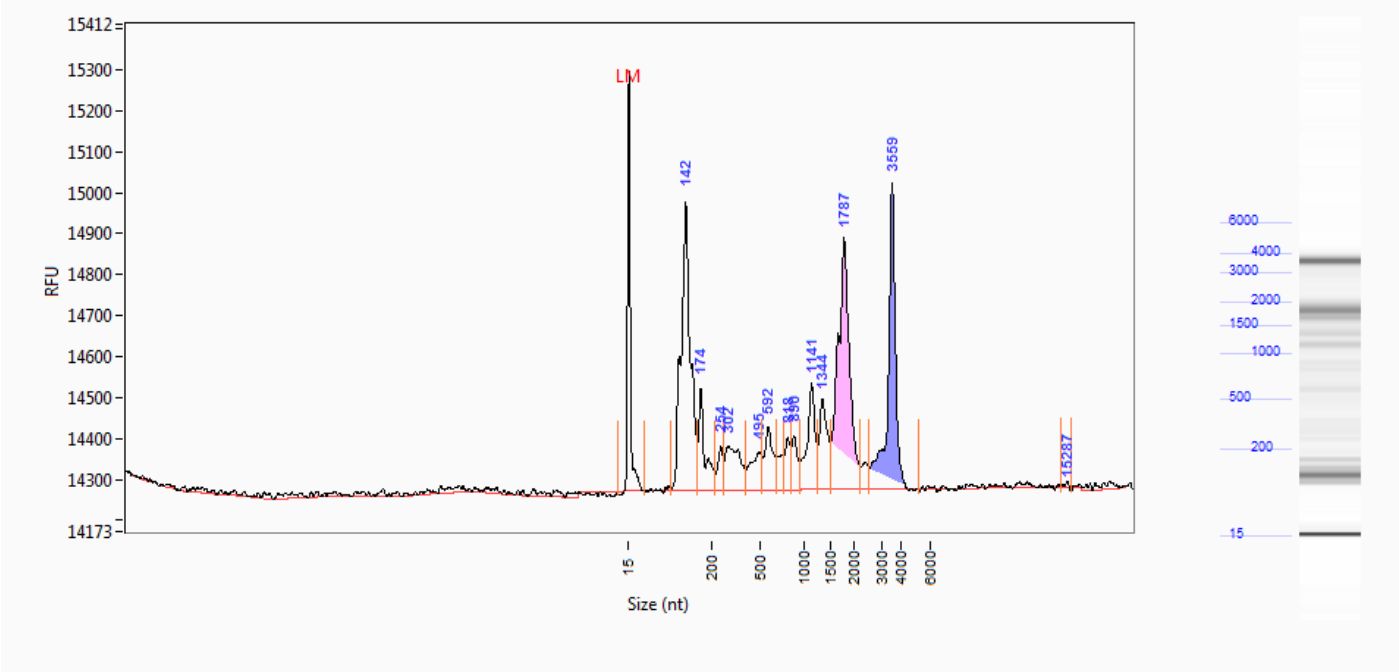
NOTE



Filename and Data Path: C:\AATI\Data\2017 12 08\120817-David 15-05-40\2017 12 08 15H 05M.raw



Sample: David-B1
Well Location: G1
Created: Friday, December 08, 2017 3:27:41 PM

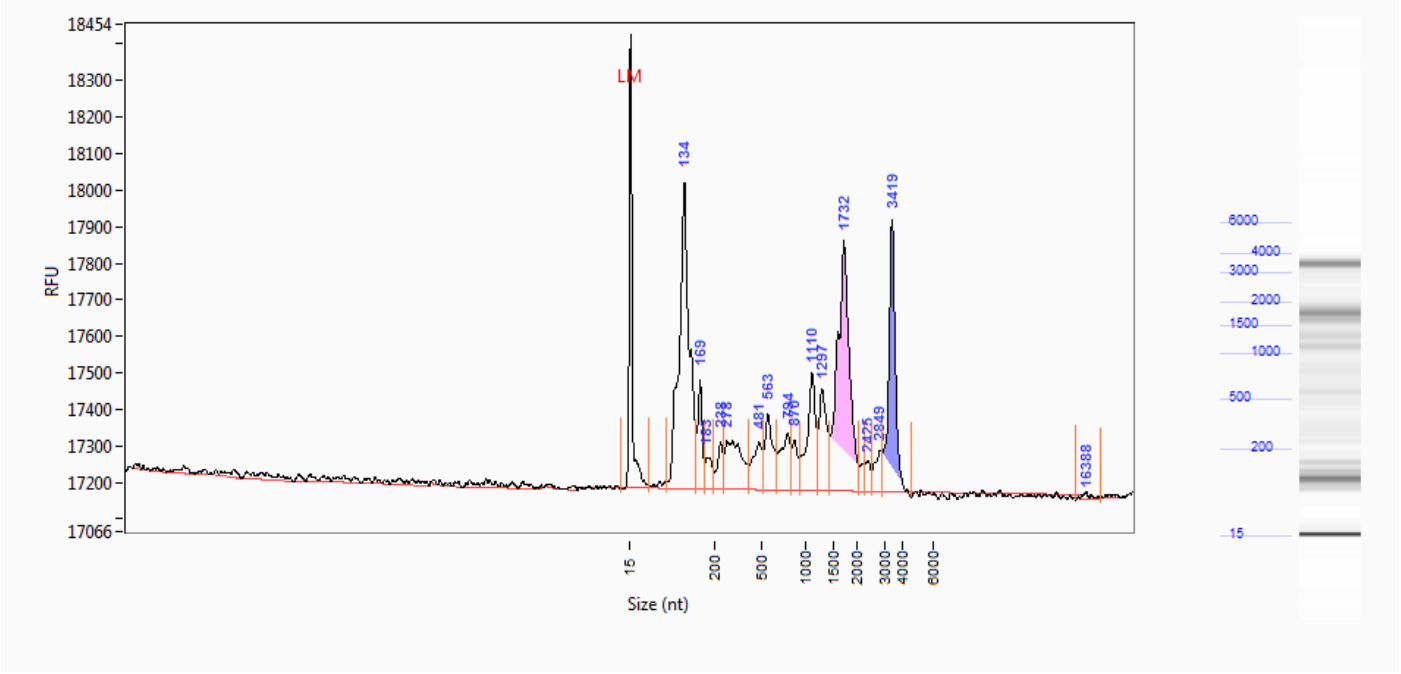


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	142	0.5649	25.0	12.390
3	174	0.1314	5.8	2.348
4	254	0.0440	1.9	0.540
5	302	0.1279	5.7	1.321
6	495	0.0788	3.5	0.496
7	592	0.0920	4.1	0.484
8	818	0.0479	2.1	0.183
9	890	0.0536	2.4	0.188
10	1141	0.1507	6.7	0.412
11	1344	0.1195	5.3	0.277
12	1787	0.4889	21.6	0.853
13	3559	0.3586	15.9	0.314
14	15287	0.0020	0.1	0.000

TIC:	2.2601	ng/uL
TIM:	19.807	nmole/L
Total Conc.:	2.3656	ng/uL
28S/18S:	0.9	
RQN	4.7	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-B1
Well Location: G2
Created: Friday, December 08, 2017 3:27:41 PM

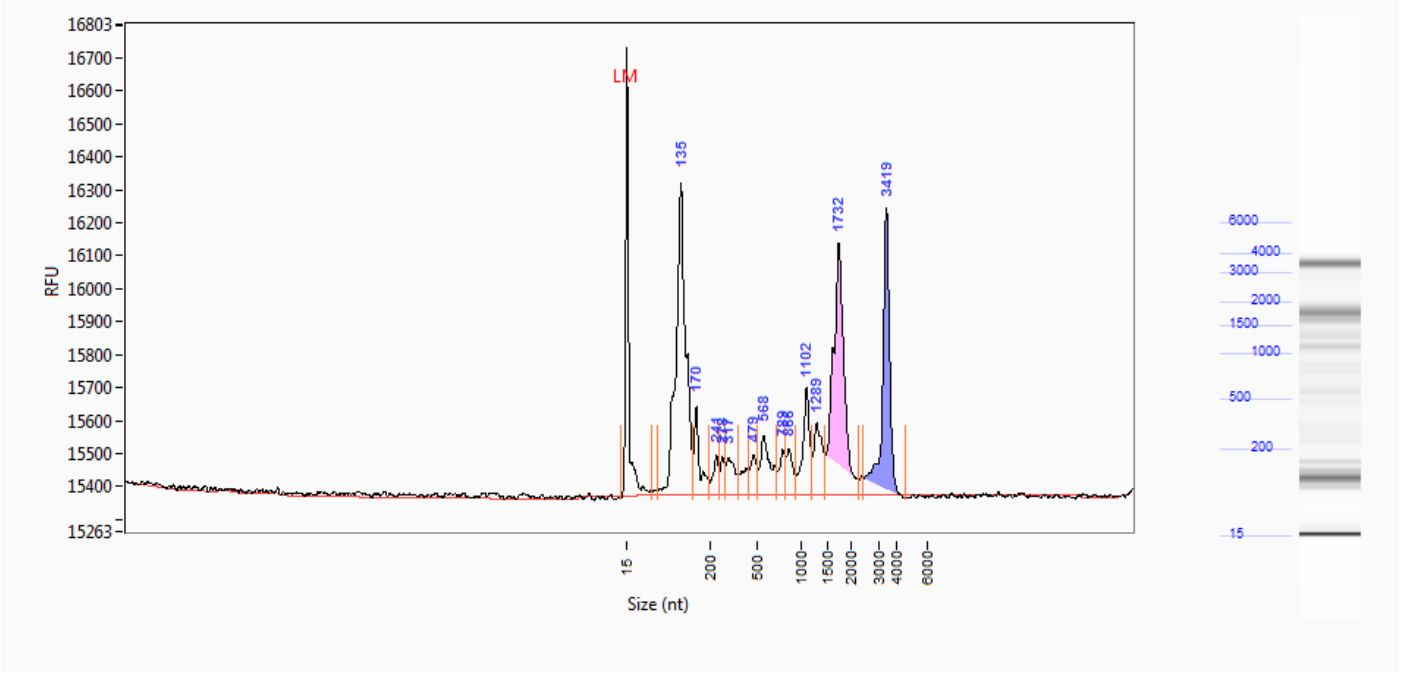


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	134	0.5850	26.3	13.536
3	169	0.0859	3.9	1.585
4	183	0.0387	1.7	0.657
5	238	0.0430	1.9	0.562
6	278	0.1423	6.4	1.596
7	481	0.0731	3.3	0.473
8	563	0.0966	4.3	0.535
9	794	0.0879	4.0	0.345
10	870	0.0441	2.0	0.158
11	1110	0.1505	6.8	0.423
12	1297	0.1197	5.4	0.288
13	1732	0.4439	20.0	0.799
14	2425	0.0227	1.0	0.029
15	2849	0.0385	1.7	0.042
16	3419	0.2476	11.1	0.226
17	16388	0.0041	0.2	0.001

TIC:	2.2236	ng/uL
TIM:	21.256	nmole/L
Total Conc.:	2.2540	ng/uL
28S/18S:	0.6	
RQN	4.3	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-B2
Well Location: G3
Created: Friday, December 08, 2017 3:27:41 PM

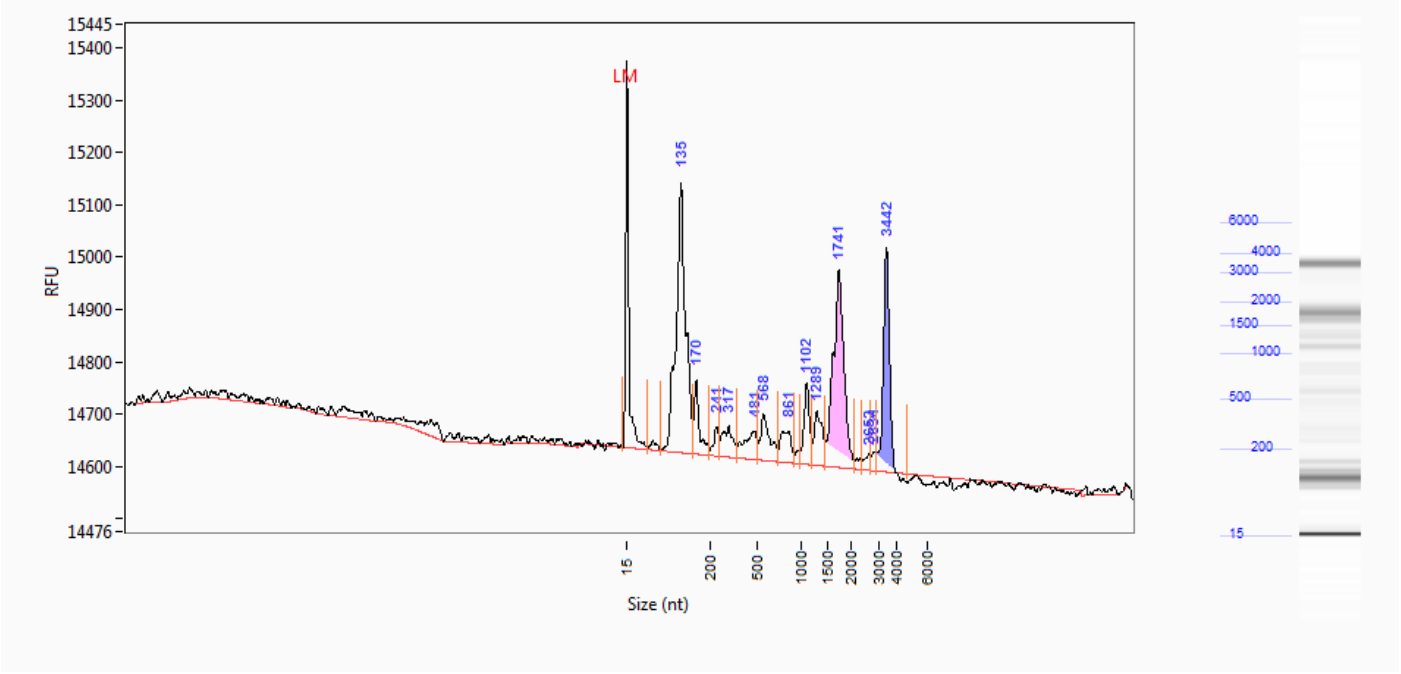


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	135	0.5465	29.9	12.558
3	170	0.0867	4.7	1.583
4	241	0.0368	2.0	0.476
5	278	0.0267	1.5	0.299
6	317	0.0522	2.9	0.512
7	479	0.0429	2.3	0.279
8	568	0.0904	4.9	0.496
9	789	0.0393	2.1	0.155
10	866	0.0437	2.4	0.157
11	1102	0.1077	5.9	0.305
12	1289	0.0867	4.7	0.210
13	1732	0.3952	21.6	0.712
14	3419	0.2754	15.0	0.251

TIC:	1.8302	ng/uL
TIM:	17.994	nmole/L
Total Conc.:	1.8792	ng/uL
28S/18S:	0.9	
RQN	4.5	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-B2
Well Location: G4
Created: Friday, December 08, 2017 3:27:41 PM

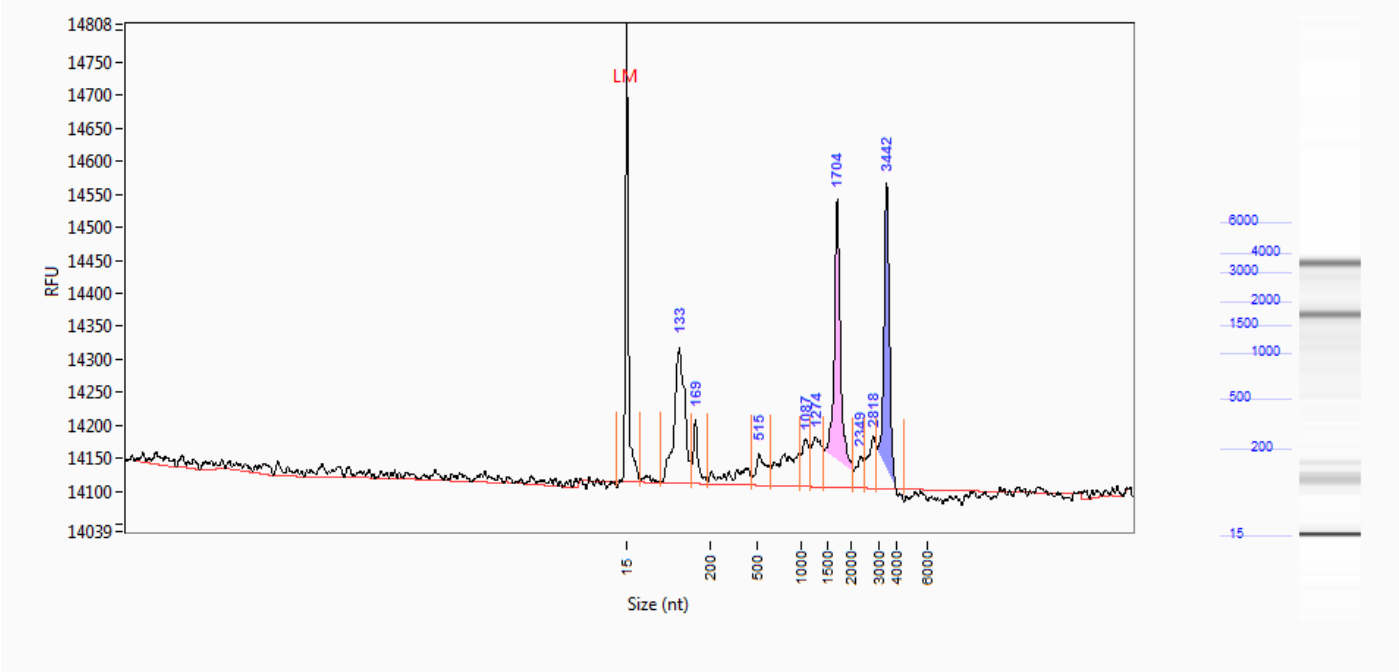


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	135	0.5378	32.7	12.360
3	170	0.0804	4.9	1.469
4	241	0.0288	1.8	0.373
5	317	0.0577	3.5	0.567
6	481	0.0637	3.9	0.412
7	568	0.0770	4.7	0.422
8	861	0.0575	3.5	0.208
9	1102	0.0773	4.7	0.219
10	1289	0.0730	4.4	0.177
11	1741	0.3498	21.3	0.627
12	2652	0.0139	0.8	0.016
13	2834	0.0102	0.6	0.011
14	3442	0.2167	13.2	0.196

TIC:	1.6437	ng/uL
TIM:	17.056	nmole/L
Total Conc.:	1.6883	ng/uL
28S/18S:	0.7	
RQN	4.4	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-M1
Well Location: G5
Created: Friday, December 08, 2017 3:27:41 PM

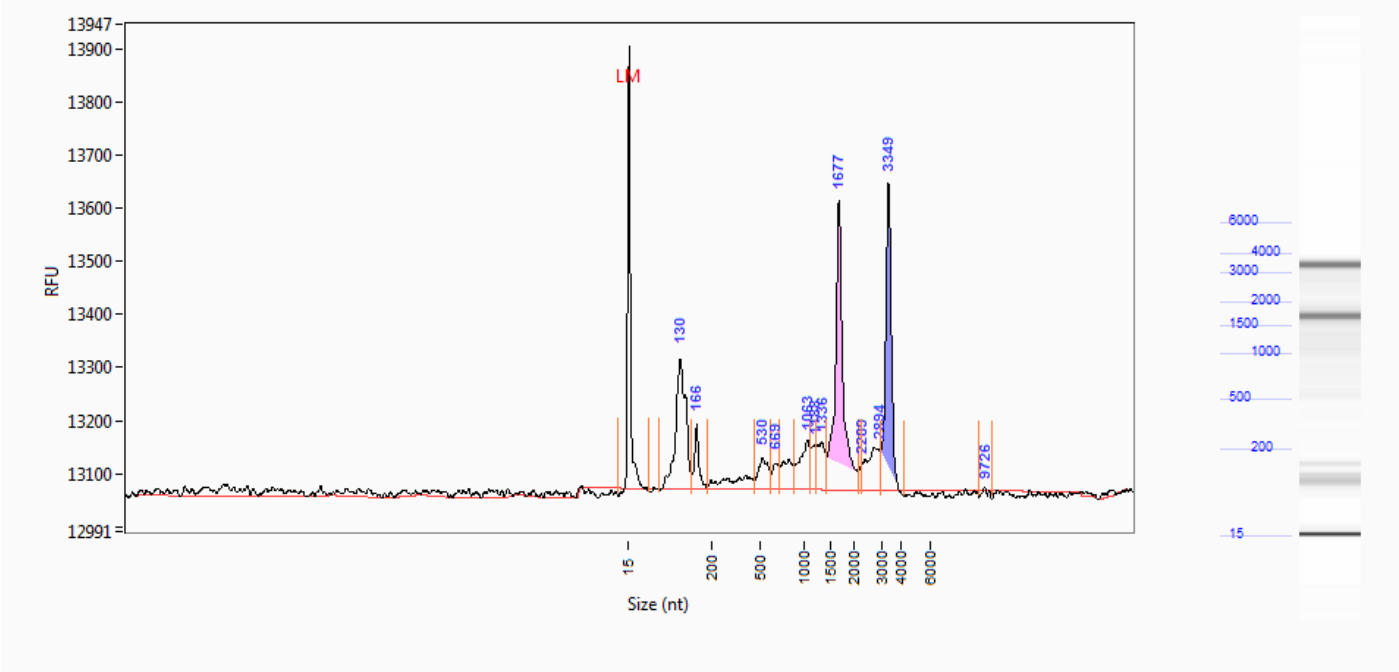


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	133	0.2646	23.0	6.208
3	169	0.0514	4.5	0.948
4	515	0.0486	4.2	0.294
5	1087	0.0507	4.4	0.145
6	1274	0.0776	6.7	0.190
7	1704	0.3225	28.0	0.590
8	2349	0.0298	2.6	0.040
9	2818	0.0555	4.8	0.061
10	3442	0.2517	21.8	0.228

TIC:	1.1523	ng/uL
TIM:	8.704	nmole/L
Total Conc.:	1.3272	ng/uL
28S/18S:	0.9	
RQN	5.7	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-M1
Well Location: G6
Created: Friday, December 08, 2017 3:27:41 PM

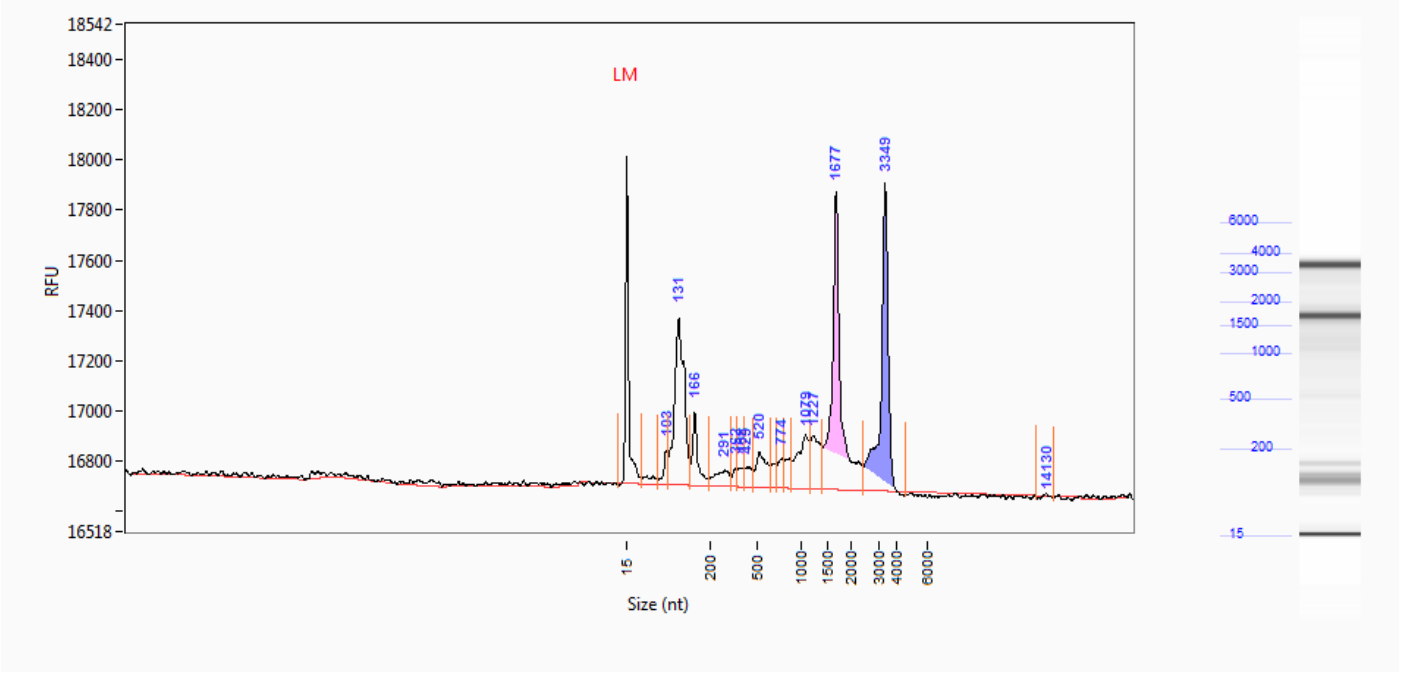


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	130	0.2609	20.5	6.251
3	166	0.0526	4.1	0.987
4	530	0.0526	4.1	0.310
5	669	0.0271	2.1	0.126
6	1063	0.0756	5.9	0.222
7	1188	0.0346	2.7	0.091
8	1336	0.0647	5.1	0.151
9	1677	0.3551	27.8	0.661
10	2289	0.0115	0.9	0.016
11	2894	0.0779	6.1	0.084
12	3349	0.2618	20.5	0.244
13	9726	0.0005	0.0	0.000

TIC:	1.2751	ng/uL
TIM:	9.142	nmole/L
Total Conc.:	1.3890	ng/uL
28S/18S:	0.8	
RQN	5.8	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-M2
Well Location: G7
Created: Friday, December 08, 2017 3:27:41 PM

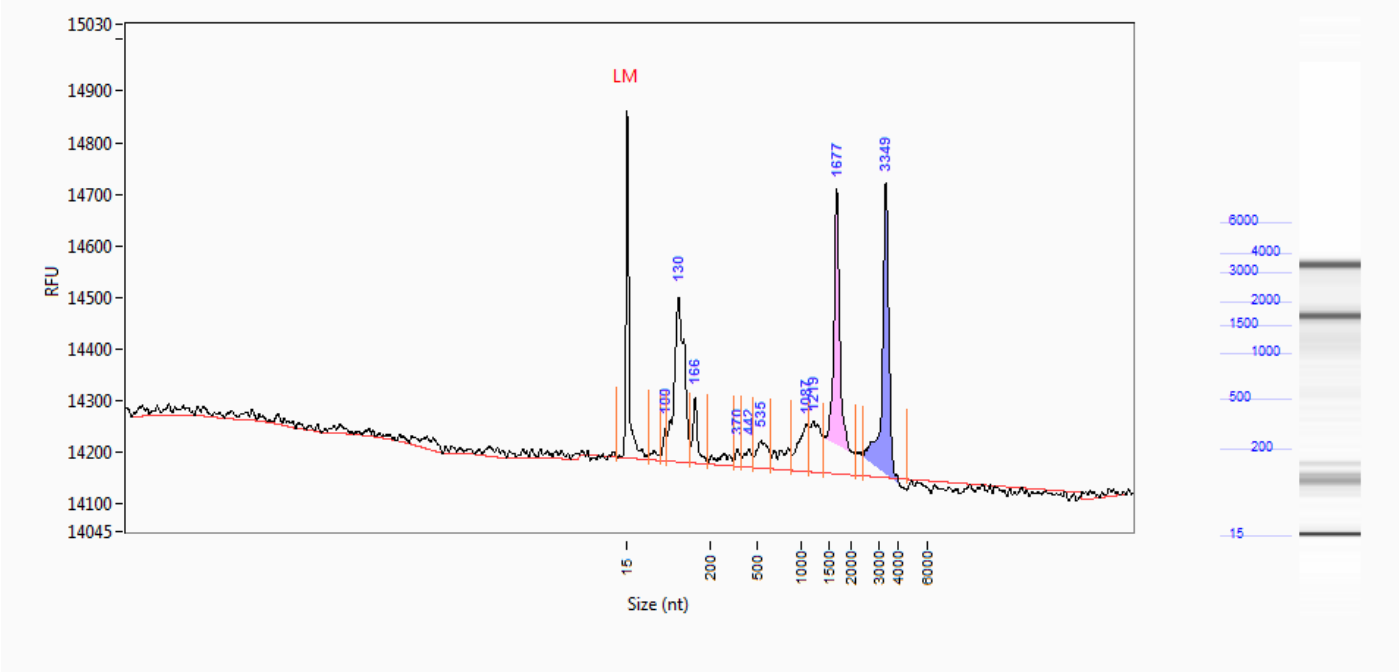


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	103	0.0342	1.7	1.032
3	131	0.4153	21.2	9.880
4	166	0.0921	4.7	1.729
5	291	0.0511	2.6	0.547
6	362	0.0193	1.0	0.166
7	402	0.0217	1.1	0.168
8	429	0.0308	1.6	0.224
9	520	0.0816	4.2	0.489
10	774	0.0383	2.0	0.154
11	1079	0.1276	6.5	0.369
12	1227	0.1042	5.3	0.265
13	1677	0.5176	26.5	0.963
14	3349	0.4218	21.6	0.393
15	14130	0.0007	0.0	0.000

TIC:	1.9564	ng/uL
TIM:	16.379	nmole/L
Total Conc.:	2.0462	ng/uL
28S/18S:	1.2	
RQN	5.5	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-M2
Well Location: G8
Created: Friday, December 08, 2017 3:27:41 PM

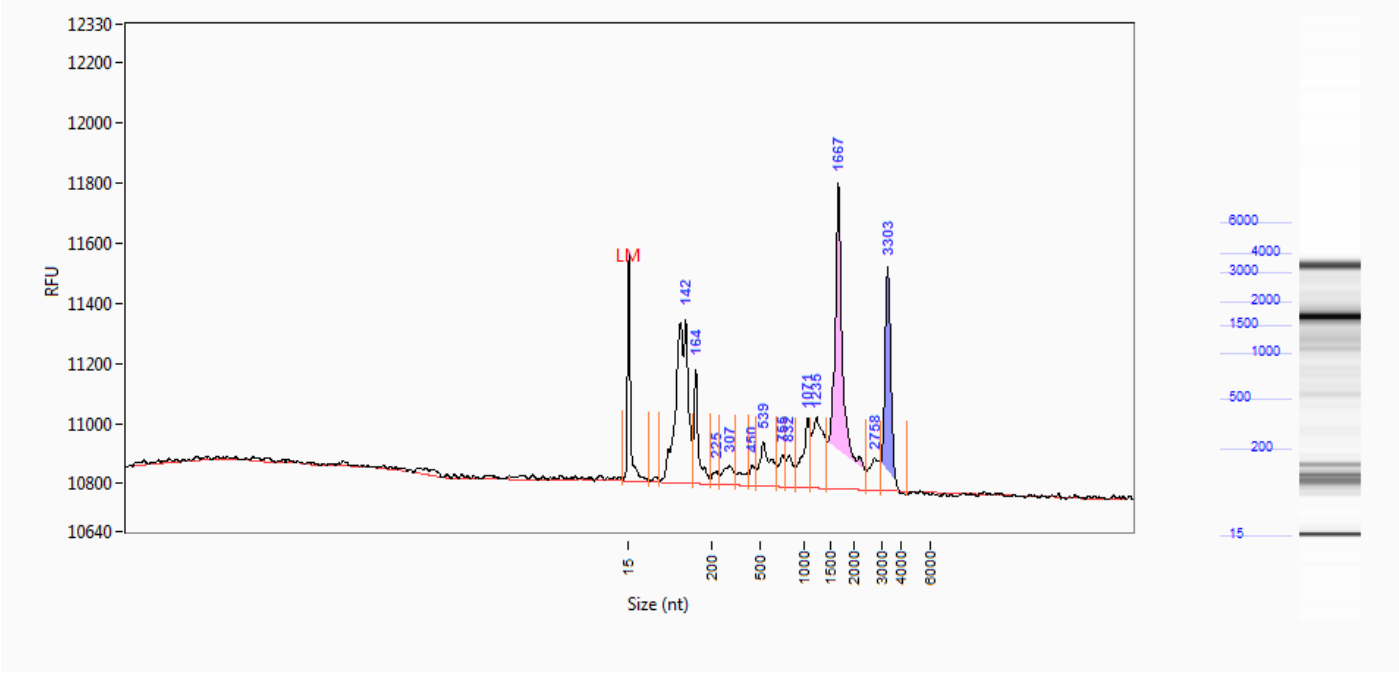


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	100	0.0268	1.7	0.831
3	130	0.3875	25.1	9.284
4	166	0.0680	4.4	1.276
5	370	0.0145	0.9	0.122
6	442	0.0258	1.7	0.182
7	535	0.0603	3.9	0.352
8	1087	0.0852	5.5	0.245
9	1219	0.1039	6.7	0.266
10	1677	0.4069	26.4	0.757
11	3349	0.3639	23.6	0.339

TIC:	1.5430	ng/uL
TIM:	13.655	nmole/L
Total Conc.:	1.6789	ng/uL
28S/18S:	1.2	
RQN	5.5	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-S1
Well Location: G9
Created: Friday, December 08, 2017 3:27:41 PM

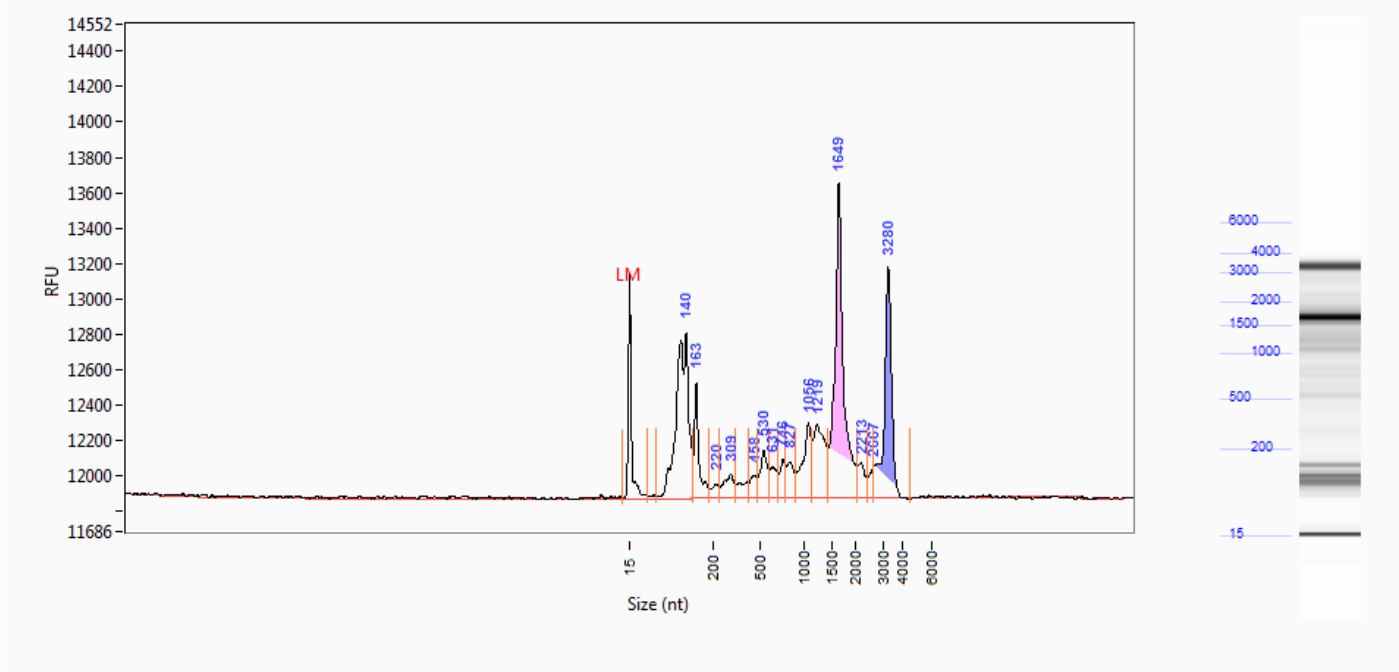


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	142	0.7264	24.5	15.933
3	164	0.1833	6.2	3.478
4	225	0.0271	0.9	0.375
5	307	0.0637	2.2	0.647
6	450	0.0374	1.3	0.259
7	539	0.1493	5.0	0.863
8	755	0.0571	1.9	0.236
9	832	0.0642	2.2	0.241
10	1071	0.1534	5.2	0.447
11	1235	0.2382	8.0	0.602
12	1667	0.8062	27.2	1.508
13	2758	0.0835	2.8	0.094
14	3303	0.3716	12.5	0.351

TIC:	2.9613	ng/uL
TIM:	25.032	nmole/L
Total Conc.:	3.0232	ng/uL
28S/18S:	0.6	
RQN	5.0	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-S1
Well Location: G10
Created: Friday, December 08, 2017 3:27:41 PM

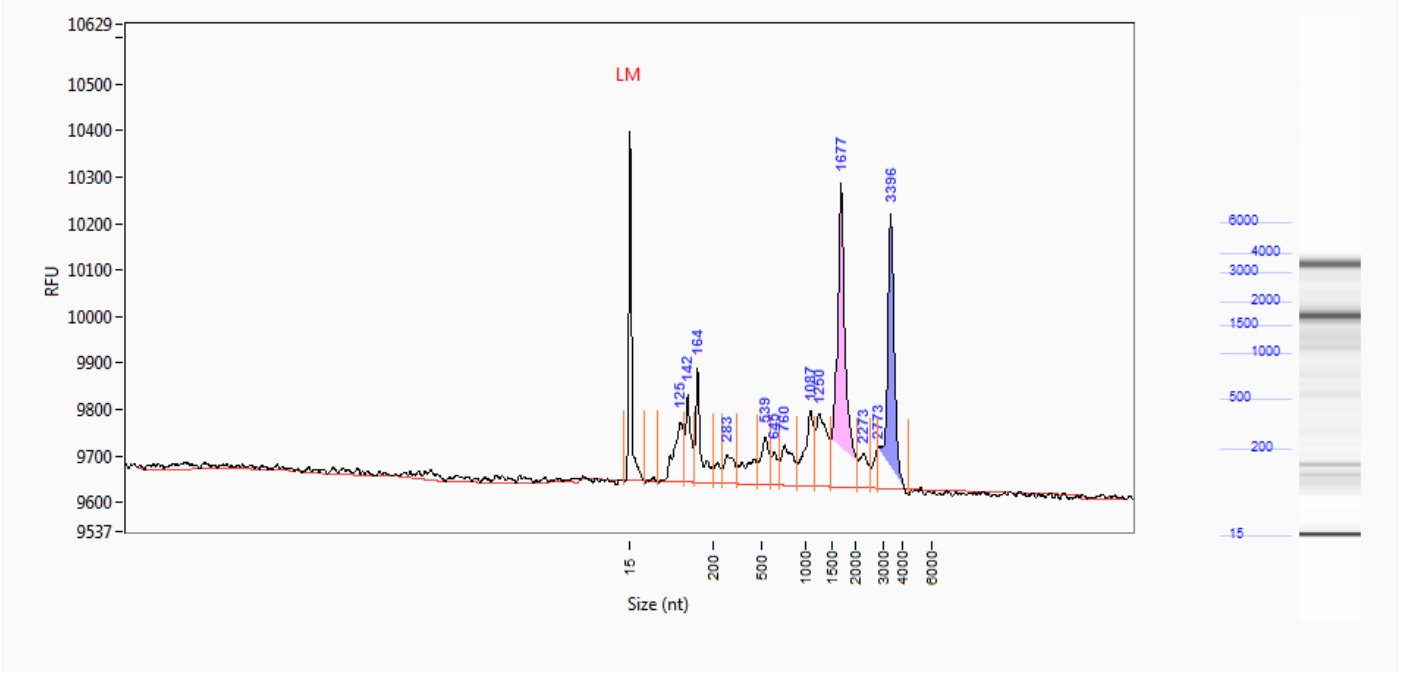


Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	140	0.7501	23.5	16.670
3	163	0.1918	6.0	3.661
4	220	0.0350	1.1	0.497
5	309	0.0773	2.4	0.778
6	458	0.0466	1.5	0.318
7	530	0.1105	3.5	0.650
8	631	0.0710	2.2	0.351
9	746	0.0633	2.0	0.264
10	827	0.0770	2.4	0.290
11	1056	0.1914	6.0	0.565
12	1219	0.2562	8.0	0.655
13	1649	0.7744	24.2	1.465
14	2213	0.0657	2.1	0.093
15	2667	0.0391	1.2	0.046
16	3280	0.4484	14.0	0.426

TIC:	3.1979	ng/uL
TIM:	26.730	nmole/L
Total Conc.:	3.2731	ng/uL
28S/18S:	0.7	
RQN	4.9	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: David-S2
Well Location: G11
Created: Friday, December 08, 2017 3:27:41 PM



Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	125	0.1420	7.2	3.528
3	142	0.1138	5.8	2.497
4	164	0.1400	7.1	2.656
5	283	0.0634	3.2	0.697
6	539	0.0857	4.3	0.496
7	645	0.0430	2.2	0.208
8	760	0.0986	5.0	0.405
9	1087	0.1436	7.3	0.412
10	1250	0.1640	8.3	0.409
11	1677	0.5149	26.0	0.958
12	2273	0.0601	3.0	0.082
13	2773	0.0305	1.5	0.034
14	3396	0.3774	19.1	0.347

TIC:	1.9771	ng/uL
TIM:	12.729	nmole/L
Total Conc.:	2.0925	ng/uL
28S/18S:	0.8	
RQN	5.5	

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 20    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: Ladder
Well Location: G12
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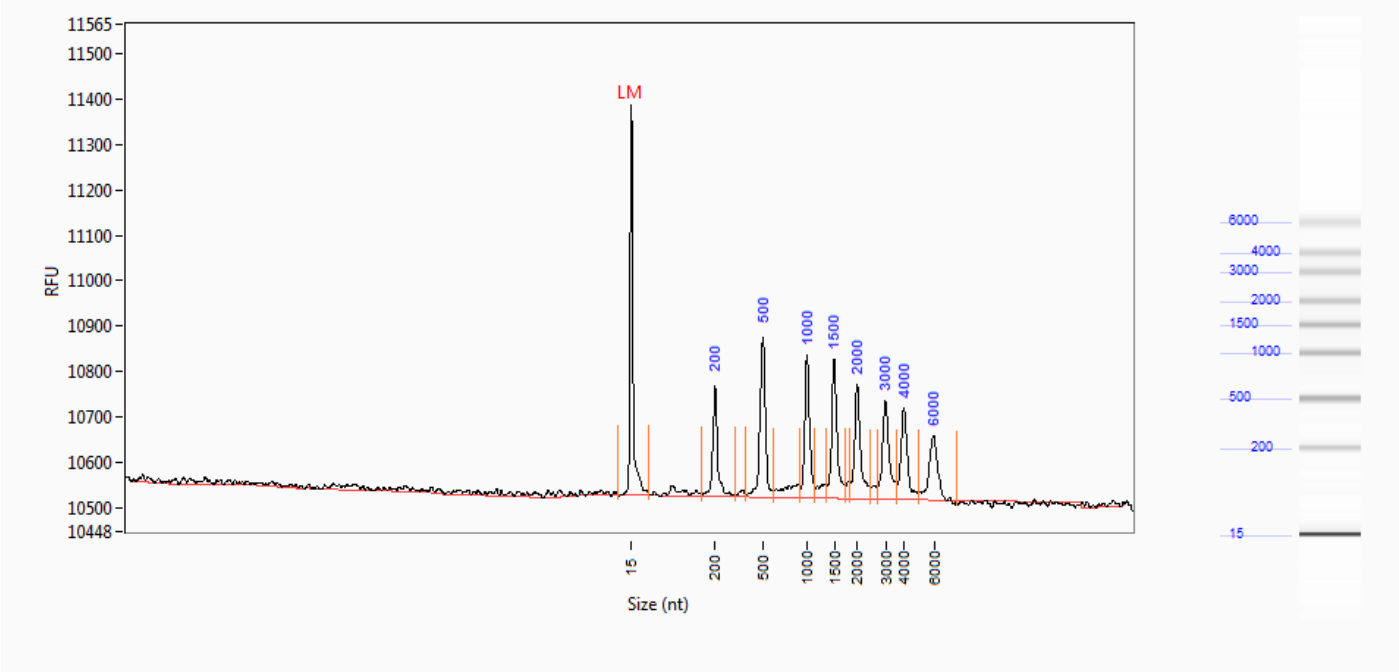

Peak	Size (nt)	Conc. (ng/uL)	Rel. Conc. %	Molarity (nmole/L)
1	15 (LM)	0.0271		5.447
2	200	0.1043	11.3	1.623
3	500	0.1657	18.0	1.033
4	1000	0.1238	13.4	0.386
5	1500	0.1312	14.2	0.273
6	2000	0.1164	12.6	0.181
7	3000	0.1083	11.8	0.113
8	4000	0.0902	9.8	0.070
9	6000	0.0817	8.9	0.042

TIC:	0.9215	ng/uL
TIM:	3.722	nmole/L
Total Conc.:	1.0000	ng/uL

```
Sample Peak Width (sec): 6    Sample Min Peak Height: 100   Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial       # of Pts for Filter: 9        Sample Start Region (min): 0  Sample End Region (min): 40
Manual Baseline Start (min): 18     Manual Baseline End (min): 38
Marker Peak Width (sec): 6    Marker Min Peak Height: 100   Marker Baseline V to V?: Y    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 100 RFU                Upper Marker Selection: Last Peak > 100 RFU
Ladder Size (bp): 15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification Using: Ladder          Final Concentration (ng/uL): 0.1000          Dilution Factor: 10.0
Min. RFU for Data Processing: 2
```


Sample: Ladder
Well Location: G12
Created: Friday, December 08, 2017 3:27:41 PM
Fit Type: Point to Point