

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
 Data File : BN002487.D  
 Acq On : 24 Aug 2018 03:46  
 Operator : JU/SJ  
 Sample : J4424-10DL 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3YS4DL

Manual Integrations  
 APPROVED

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Quant Time: Aug 24 04:50:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 02:20:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 1449     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.45 | 136  | 5905     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.31 | 164  | 3277     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.06 | 188  | 7762     | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.26 | 240  | 8994     | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.47 | 264  | 9233m    | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.07 | 152  | 741      | 0.08  | ng/ul  | 0.02     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 1971     | 0.09  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 18) Benzo(a)anthracene      | 21.25 | 228  | 873      | 0.032 | ng/ul# | 83       |
| 21) Benzo(b)fluoranthene    | 22.81 | 252  | 1889m    | 0.057 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.85 | 252  | 690m     | 0.020 | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 25.70 | 276  | 911      | 0.028 | ng/ul# | 81       |
| 26) Benzo(g,h,i)perylene    | 26.39 | 276  | 963      | 0.035 | ng/ul# | 83       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

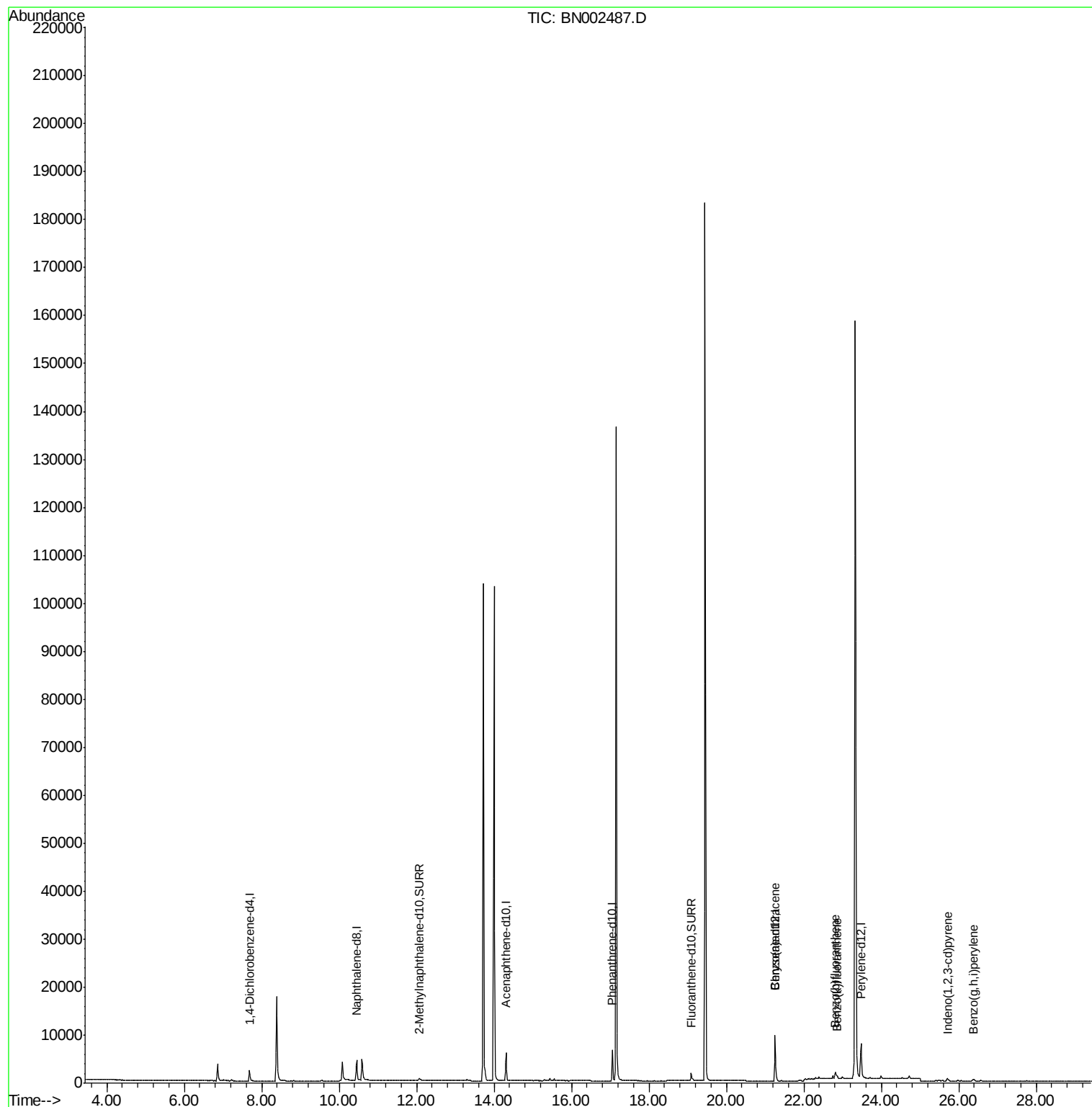
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\  
Data File : BN002487.D  
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ALS Vial : 23 Sample Multiplier: 1

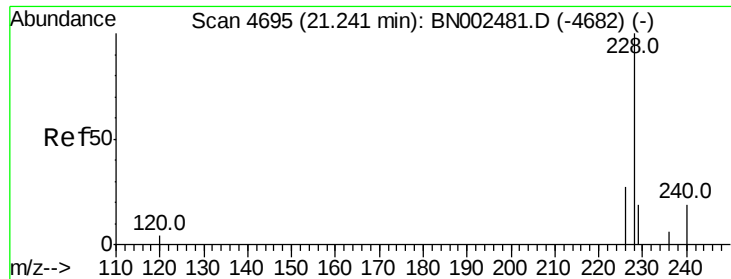
Instrument :  
BNA\_N  
ClientSampleId :  
A3YS4DL

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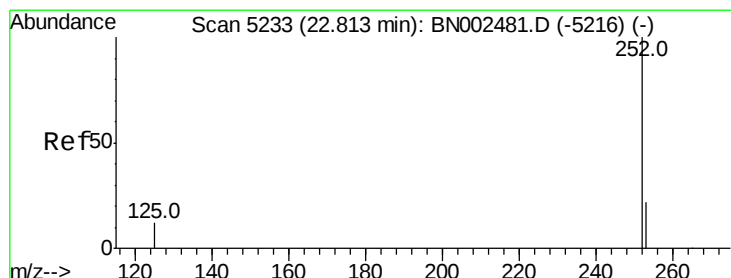
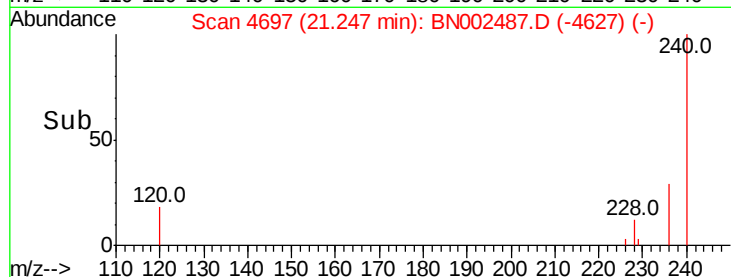
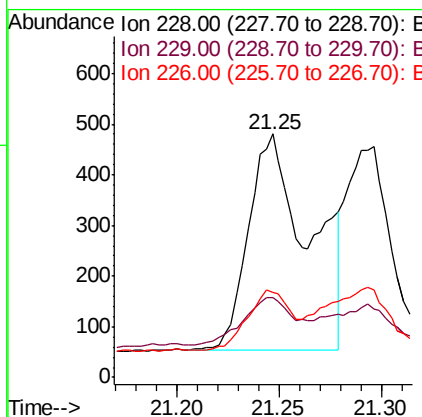
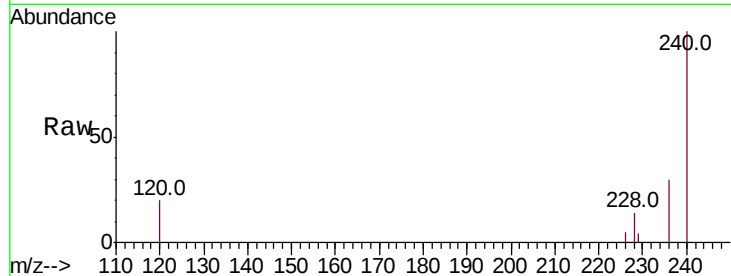
#18  
Benzo(a)anthracene  
Concen: 0.032 ng/ul  
RT: 21.25 min Scan# 4697  
Delta R.T. 0.01 min  
Lab File: BN002487.D  
Acq: 24 Aug 2018 03:46

Instrument :  
BNA\_N  
ClientSampleId :  
A3YS4DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 33.1  | 22.8  | 34.2  |
| 226     | 34.9  | 17.0  | 25.6  |

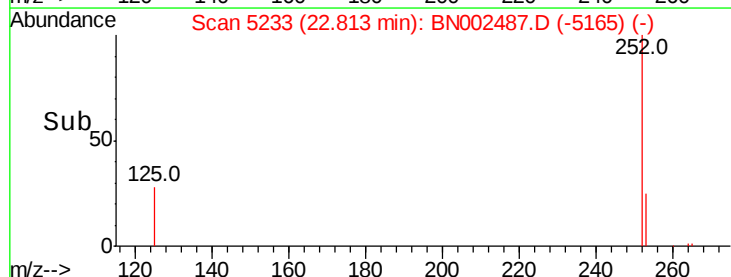
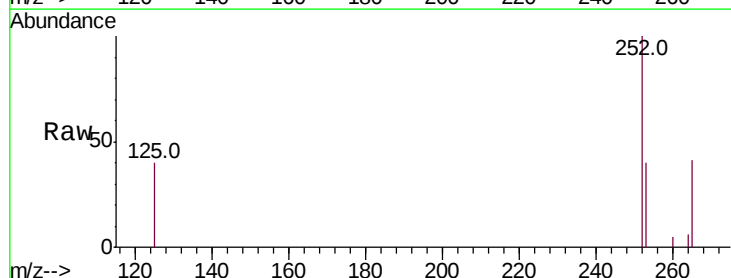
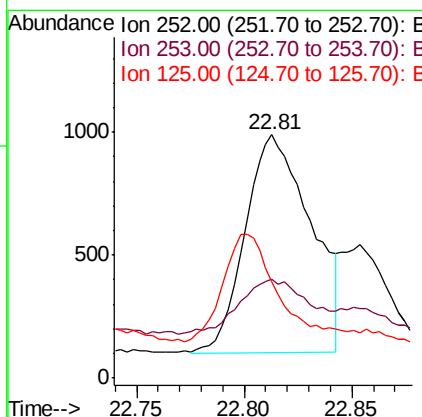
Manual Integrations  
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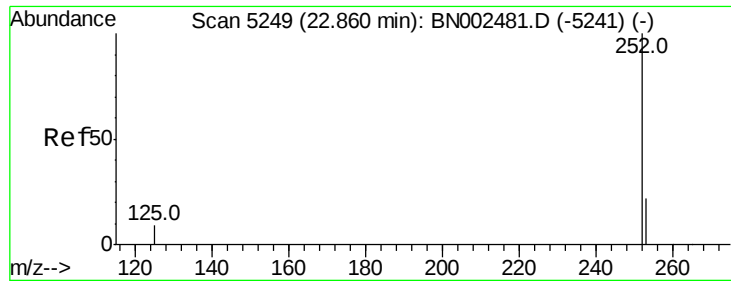
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#21  
Benzo(b)fluoranthene  
Concen: 0.057 ng/ul m  
RT: 22.81 min Scan# 5233  
Delta R.T. 0.00 min  
Lab File: BN002487.D  
Acq: 24 Aug 2018 03:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 40.4  | 0.0   | 64.2  |
| 125     | 39.6  | 0.0   | 35.0  |





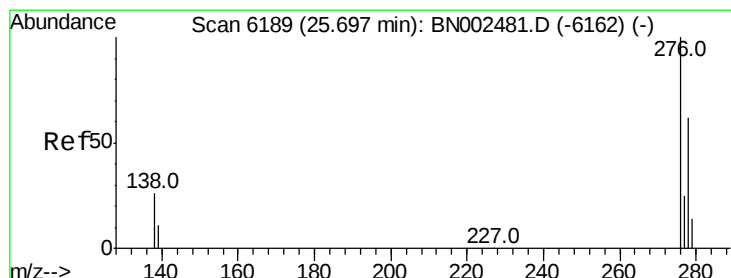
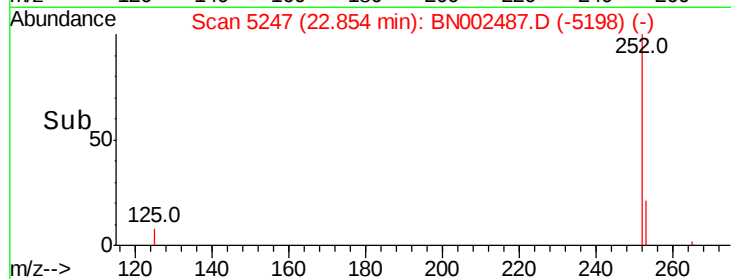
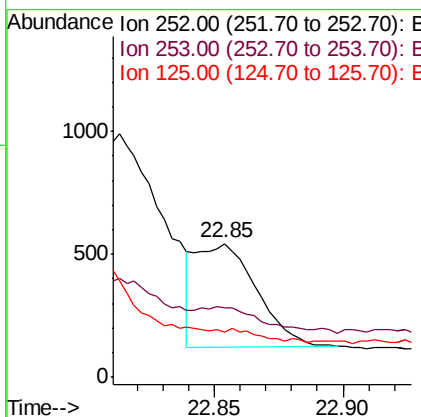
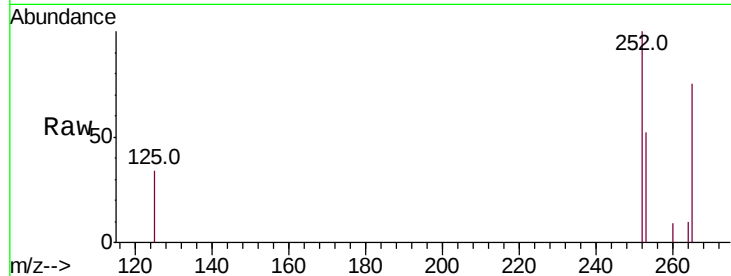
#22  
Benzo(k)fluoranthene  
Concen: 0.020 ng/ul m  
RT: 22.85 min Scan# 5247  
Delta R.T. -0.01 min  
Lab File: BN002487.D  
Acq: 24 Aug 2018 03:46

Instrument :  
BNA\_N  
ClientSampled :  
A3YS4DL

|             |       |            |
|-------------|-------|------------|
| Tot Ion:252 | Resp: | 690        |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 52.1  | 24.5 36.7# |
| 125         | 33.9  | 13.7 20.5# |

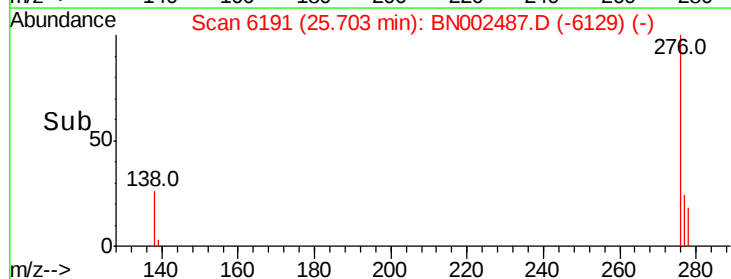
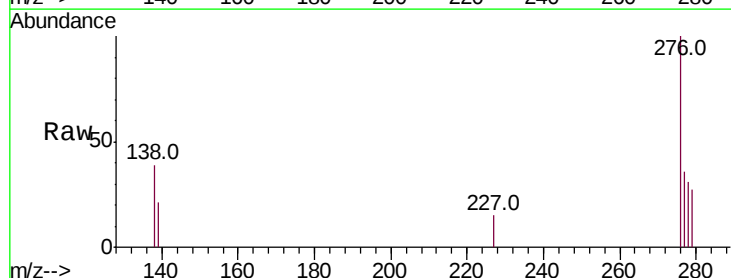
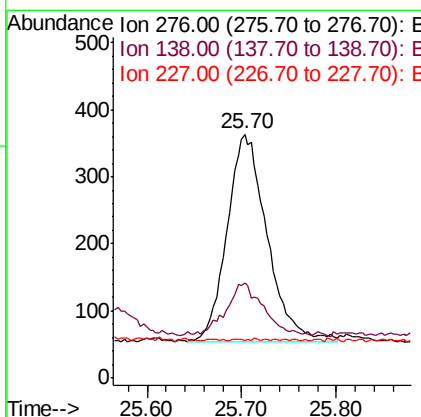
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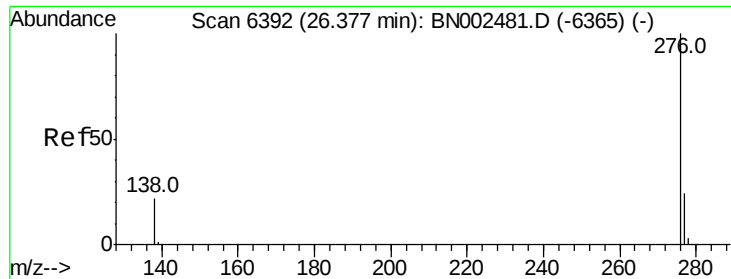
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#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.028 ng/ul  
RT: 25.70 min Scan# 6191  
Delta R.T. 0.01 min  
Lab File: BN002487.D  
Acq: 24 Aug 2018 03:46

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:276 | Resp: | 911        |
| Ion Ratio   | Lower | Upper      |
| 276         | 100   |            |
| 138         | 23.9  | 28.0 42.0# |
| 227         | 0.7   | 0.8 1.2#   |





#26

Benzo(a,h,i)perylene

Concen: 0.035 ng/ul

RT: 26.39 min Scan# 6395

Delta R.T. 0.01 min

Lab File: BN002487.D

Acq: 24 Aug 2018 03:46

Instrument :

BNA\_N

ClientSampleId :

A3YS4DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 963   |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 34.8  | 21.8  | 32.8# |
| 277       | 36.0  | 20.5  | 30.7# |

Manual Integrations  
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