

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\  
 Data File : BM022154.D  
 Acq On : 15 Aug 2019 21:36  
 Operator : HP/JU  
 Sample : K4242-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AH1

Manual Integrations  
 APPROVED

mohammad  
 8/19/2019 10:45:52 AM

Quant Time: Aug 16 14:54:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 16 14:44:23 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.60  | 152  | 621      | 0.40   | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.37 | 136  | 2761     | 0.40   | ng/ul  | -0.03    |
| 6) Acenaphthene-d10         | 14.25 | 164  | 1595     | 0.40   | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.01 | 188  | 3854m    | 0.40   | ng/ul  | -0.03    |
| 16) Chrysene-d12            | 21.22 | 240  | 3579m    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.43 | 264  | 3887     | 0.40   | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.99 | 152  | 1068     | 0.23   | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.05 | 212  | 3221m    | 0.25   | ng/ul  | -0.02    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 15) Fluoranthene            | 19.08 | 202  | 737m     | 0.049  | ng/ul  |          |
| 17) Pyrene                  | 19.44 | 202  | 727      | 0.049  | ng/ul# | 52       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 530      | 0.041  | ng/ul# | 56       |
| 19) Chrysene                | 21.26 | 228  | 505      | 0.031  | ng/ul# | 66       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.65 | 276  | 409      | 0.026  | ng/ul# | 98       |

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

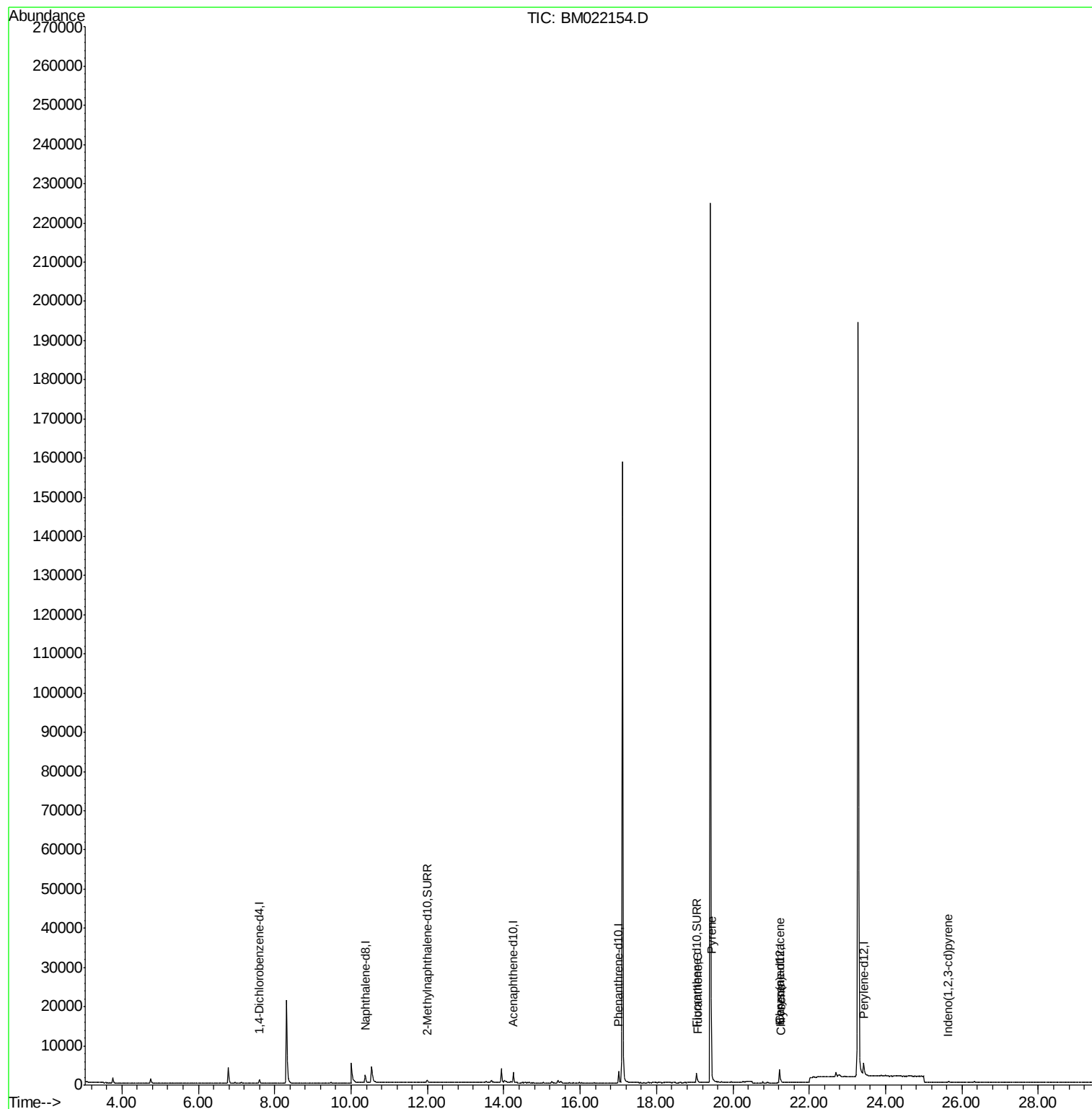
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\  
Data File : BM022154.D  
Acq On : 15 Aug 2019 21:36  
Operator : HP/JU  
Sample : K4242-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

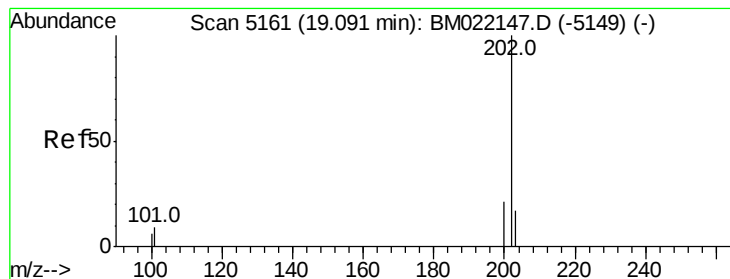
Instrument :  
BNA\_M  
ClientSampleId :  
C0AH1

Manual Integrations  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M  
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QLast Update : Fri Aug 16 14:44:23 2019  
Response via : Initial Calibration





#15

Fluoranthene

Concen: 0.049 ng/ul m

RT: 19.08 min Scan# 5158

Delta R.T. -0.02 min

Lab File: BM022154.D

Acq: 15 Aug 2019 21:36

Instrument :

BNA\_M

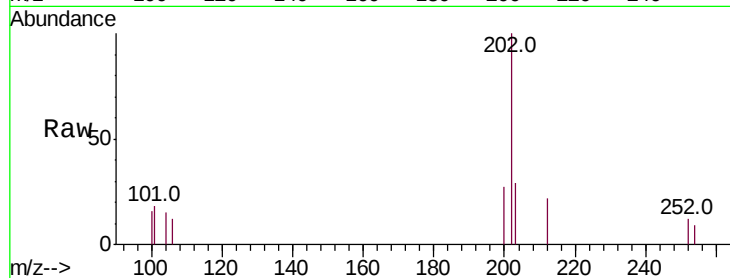
ClientSampleId :

C0AH1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 737  |       |       |
| 101     | 18.3  |      | 0.0   | 30.2  |
| 100     | 15.9  |      | 0.0   | 28.1  |

Manual Integrations  
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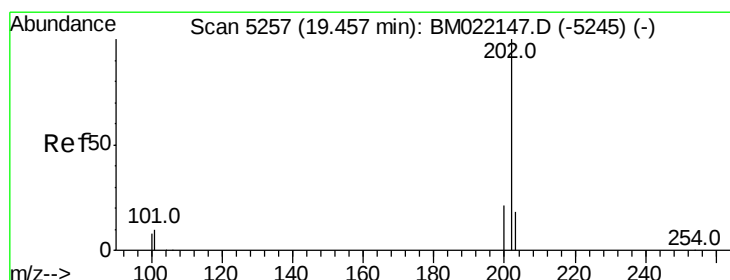
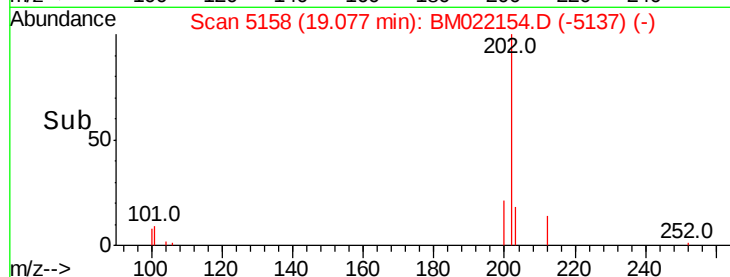
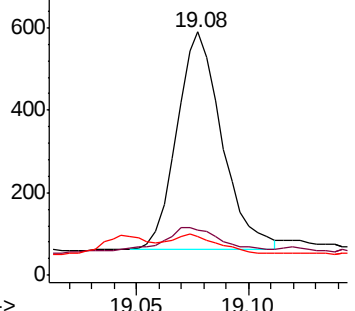
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.049 ng/ul

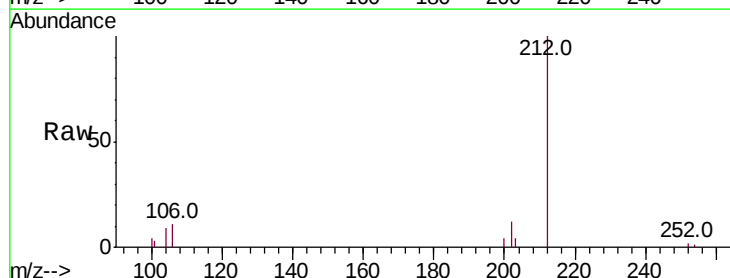
RT: 19.44 min Scan# 5253

Delta R.T. -0.02 min

Lab File: BM022154.D

Acq: 15 Aug 2019 21:36

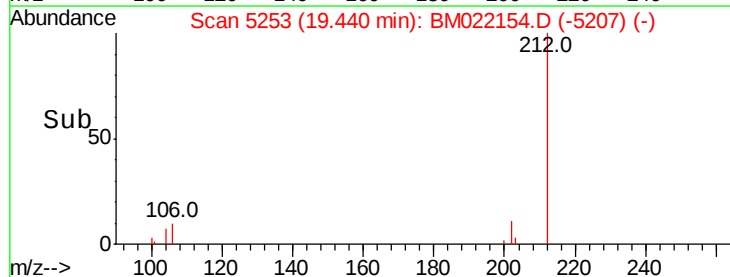
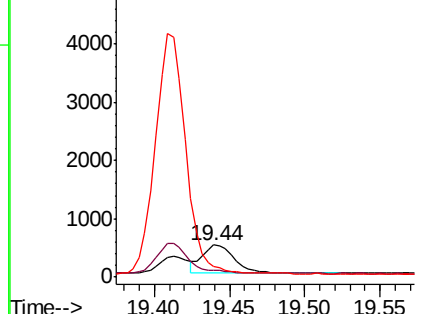
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 727  |       |       |
| 101     | 22.3  |      | 8.3   | 12.5# |
| 100     | 33.0  |      | 7.2   | 10.8# |

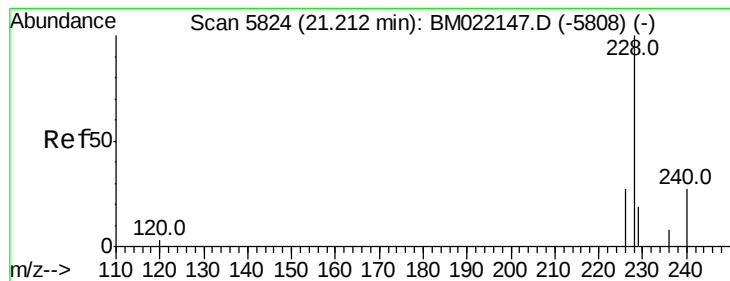


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.041 ng/ul

RT: 21.21 min Scan# 5824

Delta R.T. -0.01 min

Lab File: BM022154.D

Acq: 15 Aug 2019 21:36

Instrument :

BNA\_M

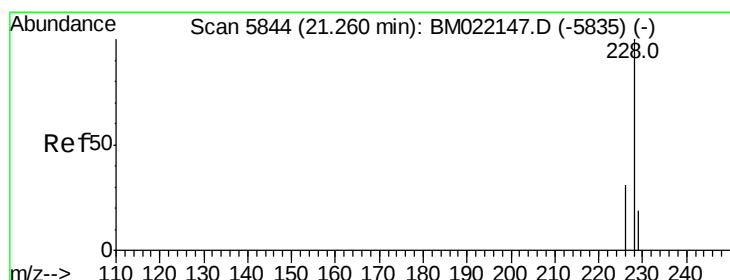
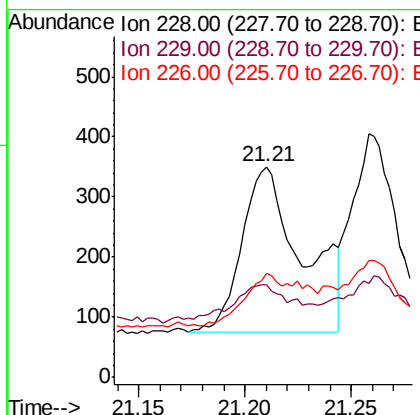
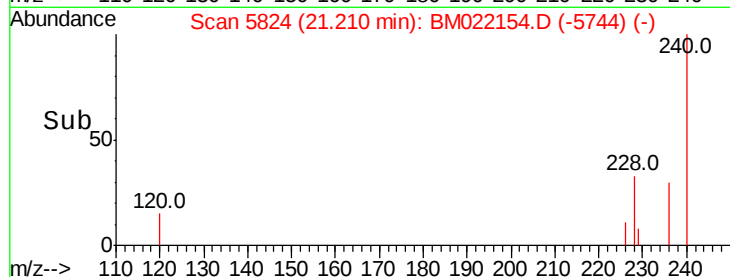
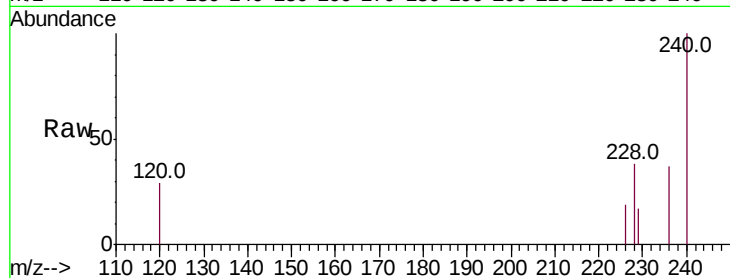
ClientSampled :

C0AH1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 530   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 44.0  | 17.2  | 25.8# |
| 226       | 49.7  | 22.6  | 34.0# |

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#19

Chrysene

Concen: 0.031 ng/ul

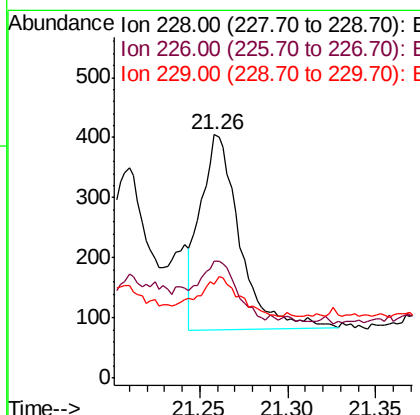
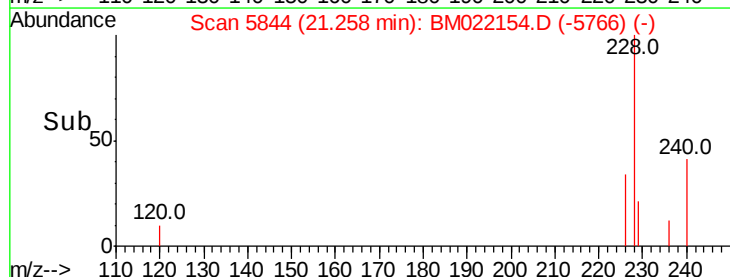
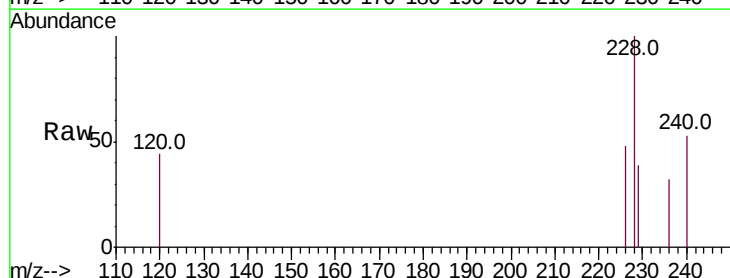
RT: 21.26 min Scan# 5844

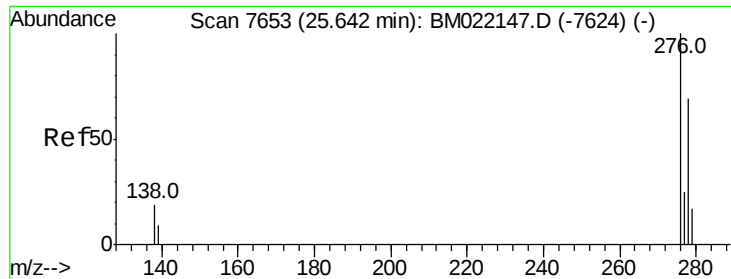
Delta R.T. -0.01 min

Lab File: BM022154.D

Acq: 15 Aug 2019 21:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 505   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 48.1  | 24.9  | 37.3# |
| 229       | 38.5  | 16.6  | 25.0# |





#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.026 ng/ul  
RT: 25.65 min Scan# 7657  
Delta R.T. -0.00 min  
Lab File: BM022154.D  
Acq: 15 Aug 2019 21:36

Instrument :  
BNA\_M  
ClientSampleId :  
C0AH1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.8  | 15.1  | 22.7  |
| 227     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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