

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\  
 Data File : BM020611.D  
 Acq On : 29 May 2019 22:15  
 Operator : JU/SJ  
 Sample : K2966-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FESB-13(9.5-10)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM052419.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.204       | 372           | 377         | 391          | rBV      | 393984         | 684629        | 33.95%          | 5.824%        |
| 2         | 6.804       | 643           | 649         | 665          | rBV      | 330855         | 680914        | 33.76%          | 5.793%        |
| 3         | 7.151       | 702           | 708         | 722          | rBV      | 422565         | 780279        | 38.69%          | 6.638%        |
| 4         | 7.622       | 783           | 788         | 806          | rBV      | 126487         | 253438        | 12.57%          | 2.156%        |
| 5         | 7.939       | 835           | 842         | 855          | rBV      | 357715         | 627268        | 31.10%          | 5.336%        |
| 6         | 8.798       | 982           | 988         | 1007         | rBV      | 146078         | 383135        | 19.00%          | 3.259%        |
| 7         | 10.416      | 1256          | 1263        | 1282         | rBV      | 143664         | 302118        | 14.98%          | 2.570%        |
| 8         | 12.898      | 1679          | 1685        | 1707         | rBV      | 605749         | 1058903       | 52.51%          | 9.008%        |
| 9         | 13.751      | 1825          | 1830        | 1840         | rBV      | 67947          | 111302        | 5.52%           | 0.947%        |
| 10        | 14.286      | 1914          | 1921        | 1935         | rBV2     | 316750         | 497448        | 24.67%          | 4.232%        |
| 11        | 15.786      | 2169          | 2176        | 2192         | rBV      | 581722         | 1033224       | 51.23%          | 8.790%        |
| 12        | 17.039      | 2383          | 2389        | 2406         | rBV2     | 383776         | 668373        | 33.14%          | 5.686%        |
| 13        | 17.192      | 2409          | 2415        | 2421         | rVB4     | 7923           | 20763         | 1.03%           | 0.177%        |
| 14        | 19.103      | 2736          | 2740        | 2754         | rBV      | 61935          | 104577        | 5.19%           | 0.890%        |
| 15        | 19.468      | 2798          | 2802        | 2811         | rVB      | 63556          | 105905        | 5.25%           | 0.901%        |
| 16        | 19.674      | 2832          | 2837        | 2853         | rBV      | 1458785        | 2016678       | 100.00%         | 17.156%       |
| 17        | 20.268      | 2934          | 2938        | 2942         | rBV2     | 15619          | 21162         | 1.05%           | 0.180%        |
| 18        | 20.933      | 3048          | 3051        | 3057         | rBV6     | 38778          | 64382         | 3.19%           | 0.548%        |
| 19        | 21.239      | 3096          | 3103        | 3117         | rBV      | 670399         | 1205345       | 59.77%          | 10.254%       |
| 20        | 21.368      | 3123          | 3125        | 3133         | rVB6     | 29867          | 42746         | 2.12%           | 0.364%        |
| 21        | 22.250      | 3273          | 3275        | 3280         | rVB3     | 37252          | 37632         | 1.87%           | 0.320%        |
| 22        | 23.456      | 3474          | 3480        | 3496         | rVB2     | 486149         | 1054779       | 52.30%          | 8.973%        |

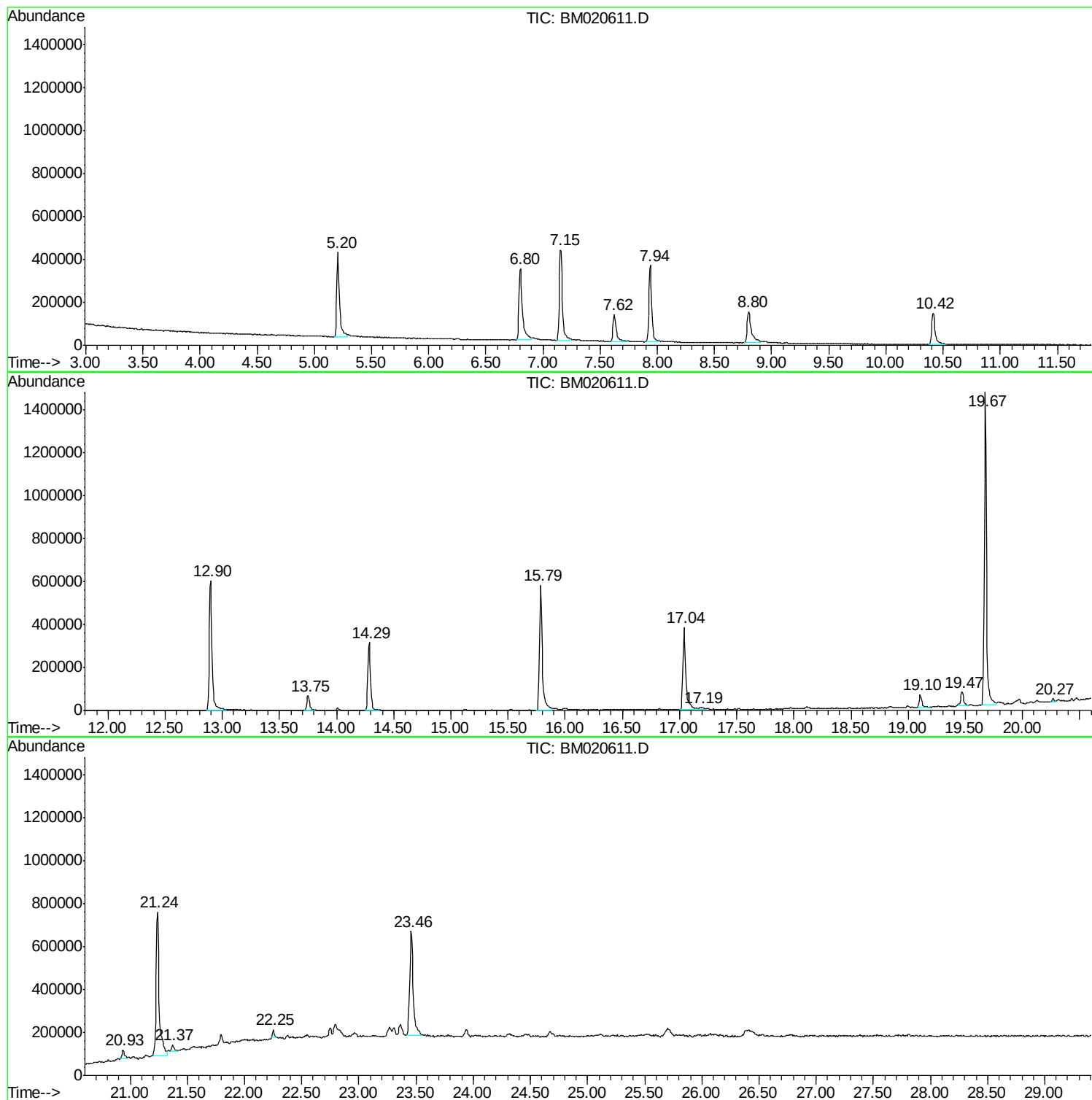
Sum of corrected areas: 11755000

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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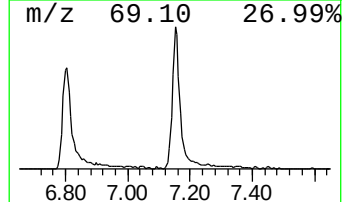
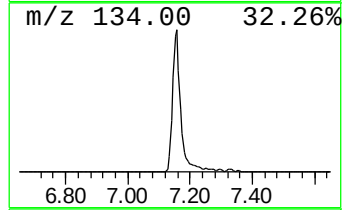
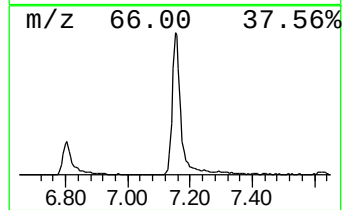
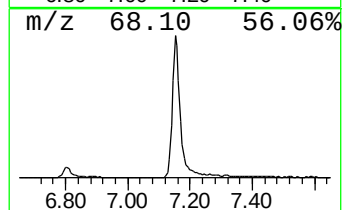
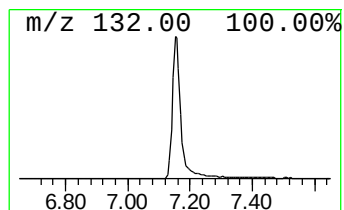
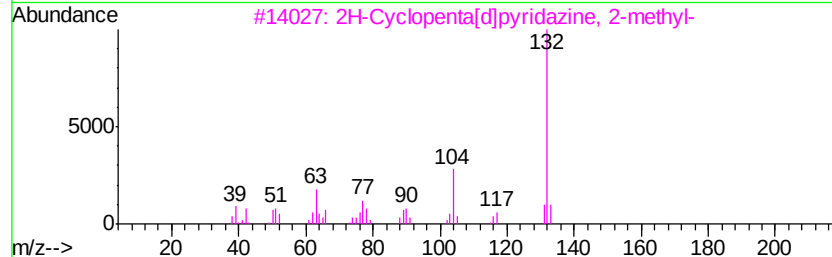
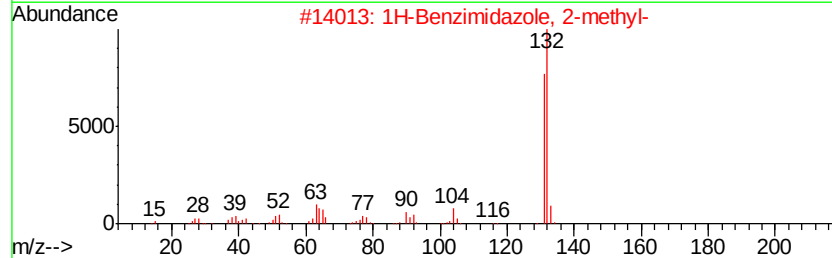
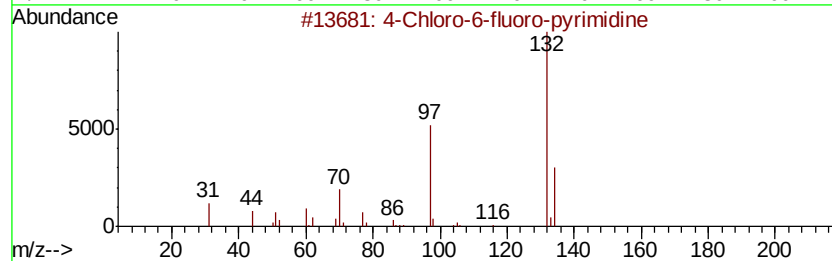
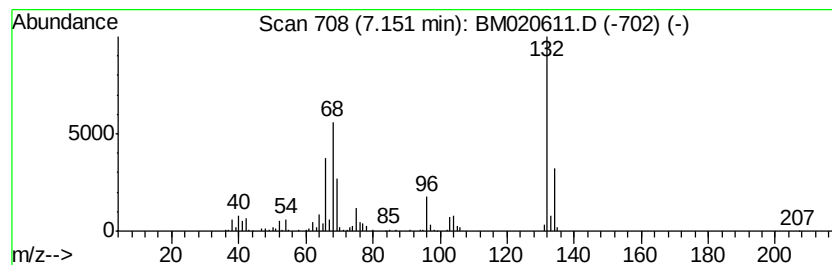
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Peak Number 1 unknown7.15 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.15 | 61.58 ng | 780279 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm   | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 4-Chloro-6-fluoro-pyrimidine         | 132 | C4H2ClFN2 | 051422-01-6 | 27   |
| 2    |    |   | 1H-Benzimidazole, 2-methyl-          | 132 | C8H8N2    | 000615-15-6 | 22   |
| 3    |    |   | 2H-Cyclopentaf[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 16   |
| 4    |    |   | 1,3,4-Thiadiazole-2(3H)-thione, ...  | 132 | C3H4N2S2  | 029490-19-5 | 12   |
| 5    |    |   | 5-Fluoro-2-chloropyrimidine          | 132 | C4H2ClFN2 | 062802-42-0 | 12   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown7.15      | 7.15 | 61.6    | ng    | 780279   | 1                     | 7.62 | 253438 | 20.0 |