

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\  
 Data File : BG043223.D  
 Acq On : 15 Oct 2019 17:54  
 Operator : JU  
 Sample : K5325-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 10-10-E

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092519.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         | 3.158       | 5             | 12          | 20           | rBV4     | 54966          | 142751        | 4.17%           | 0.802%        |
| 2         | 3.235       | 20            | 25          | 37           | rVB      | 82894          | 141948        | 4.14%           | 0.798%        |
| 3         | 5.632       | 426           | 433         | 448          | rBV      | 670766         | 1193409       | 34.84%          | 6.709%        |
| 4         | 7.224       | 695           | 704         | 720          | rBV      | 742345         | 1402811       | 40.96%          | 7.886%        |
| 5         | 7.588       | 759           | 766         | 783          | rBV      | 757077         | 1370472       | 40.01%          | 7.704%        |
| 6         | 8.053       | 837           | 845         | 854          | rBV      | 169542         | 306269        | 8.94%           | 1.722%        |
| 7         | 8.376       | 891           | 900         | 914          | rBV      | 565137         | 1030202       | 30.08%          | 5.791%        |
| 8         | 9.210       | 1034          | 1042        | 1060         | rBV      | 394940         | 832531        | 24.31%          | 4.680%        |
| 9         | 10.855      | 1315          | 1322        | 1337         | rBV      | 198750         | 407329        | 11.89%          | 2.290%        |
| 10        | 13.299      | 1730          | 1738        | 1757         | rBV      | 1292871        | 2158105       | 63.01%          | 12.132%       |
| 11        | 14.122      | 1872          | 1878        | 1889         | rBV      | 104511         | 186622        | 5.45%           | 1.049%        |
| 12        | 14.674      | 1964          | 1972        | 1986         | rVV2     | 363603         | 640452        | 18.70%          | 3.600%        |
| 13        | 16.161      | 2217          | 2225        | 2242         | rBV      | 1012246        | 1797082       | 52.47%          | 10.102%       |
| 14        | 17.424      | 2431          | 2440        | 2452         | rBV      | 426849         | 778096        | 22.72%          | 4.374%        |
| 15        | 17.536      | 2454          | 2459        | 2466         | rVB3     | 42389          | 67428         | 1.97%           | 0.379%        |
| 16        | 20.027      | 2877          | 2883        | 2898         | rBV      | 2406055        | 3425114       | 100.00%         | 19.254%       |
| 17        | 21.695      | 3159          | 3167        | 3180         | rBV2     | 501946         | 937678        | 27.38%          | 5.271%        |
| 18        | 24.915      | 3705          | 3715        | 3729         | rBV2     | 311891         | 970441        | 28.33%          | 5.455%        |

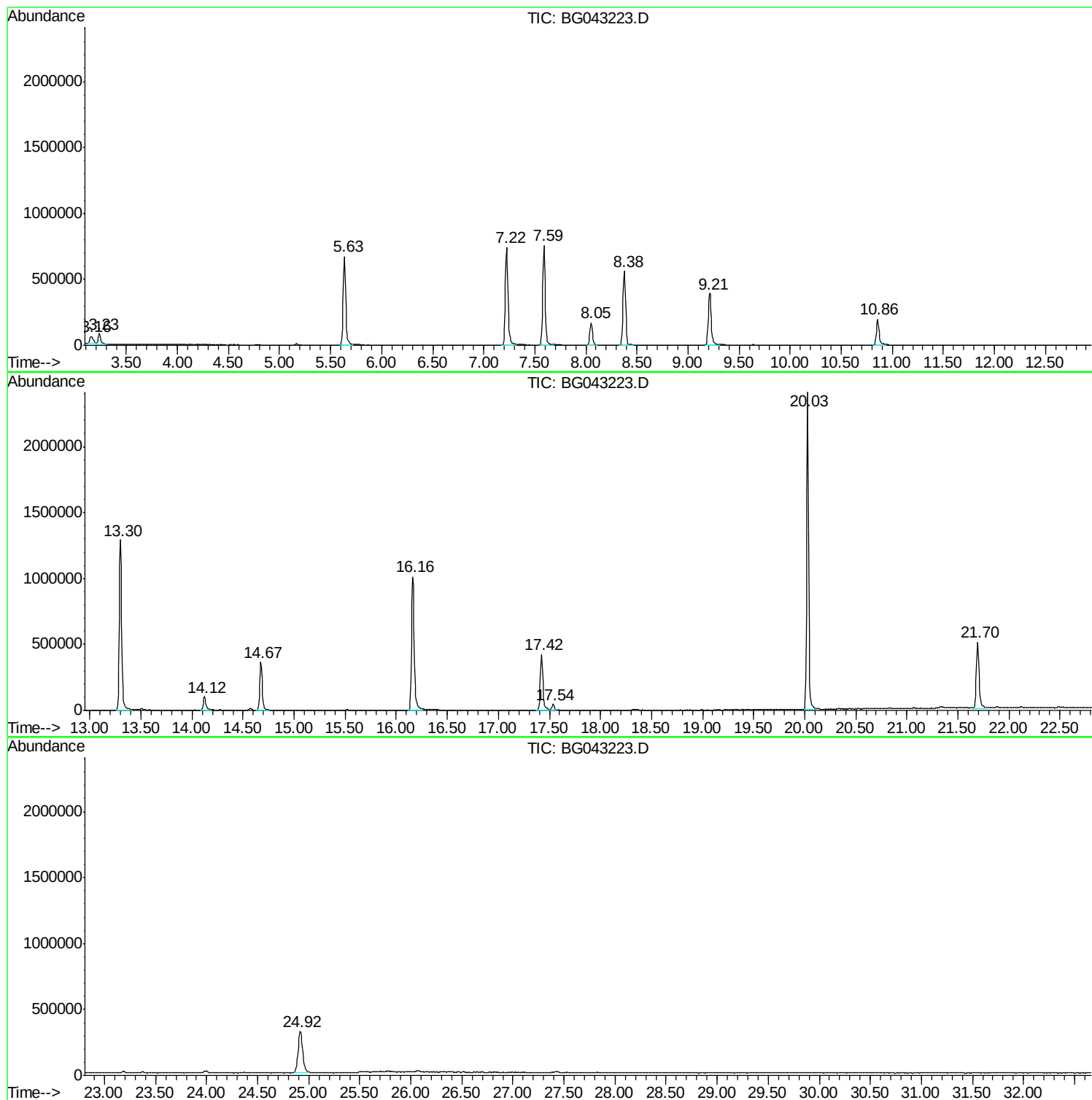
Sum of corrected areas: 17788740

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

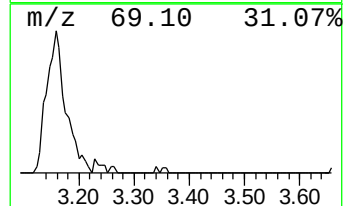
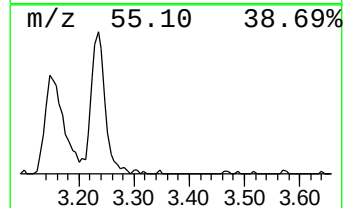
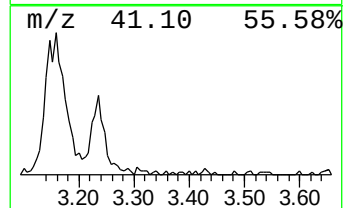
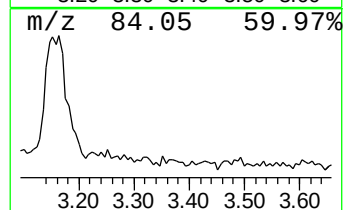
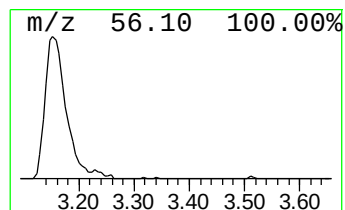
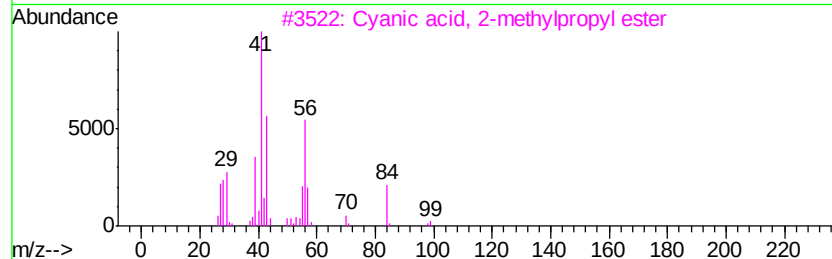
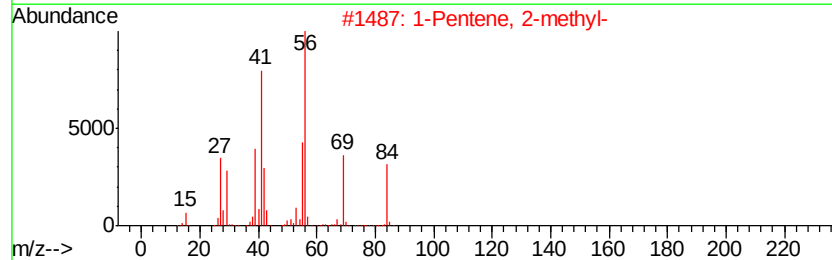
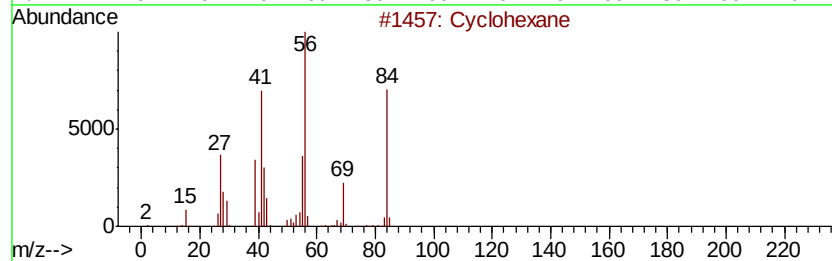
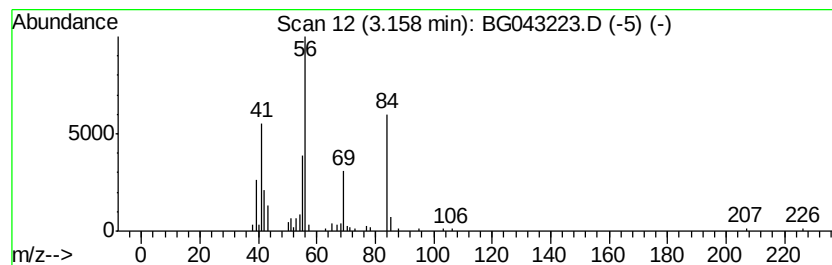
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.16 | 9.32 ng | 142751 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                       | MW | MolForm | CAS#        | Qual |
|------|----|------------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclohexane                        | 84 | C6H12   | 000110-82-7 | 87   |
| 2    |    | 1-Pentene, 2-methyl-               | 84 | C6H12   | 000763-29-1 | 64   |
| 3    |    | Cyanoic acid, 2-methylpropyl ester | 99 | C5H9NO  | 001768-25-8 | 50   |
| 4    |    | Cyclobutane, ethyl-                | 84 | C6H12   | 004806-61-5 | 47   |
| 5    |    | Cyclobutane                        | 56 | C4H8    | 000287-23-0 | 46   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

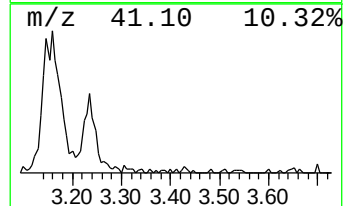
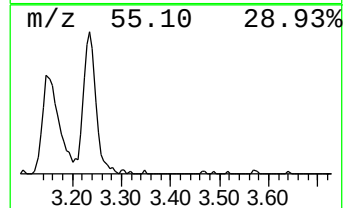
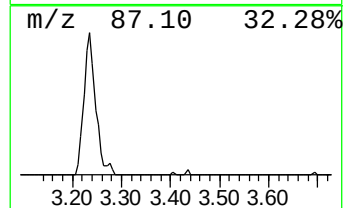
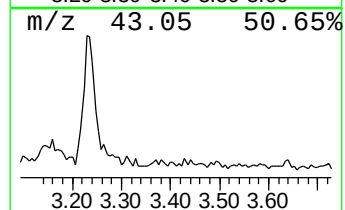
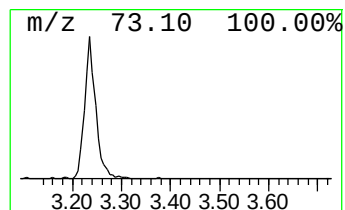
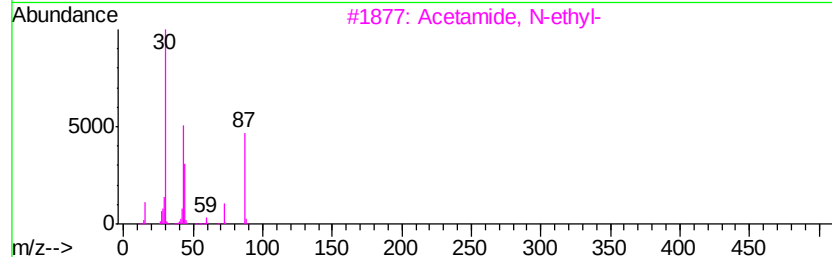
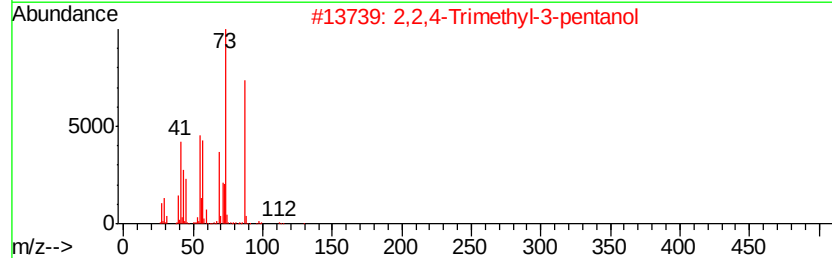
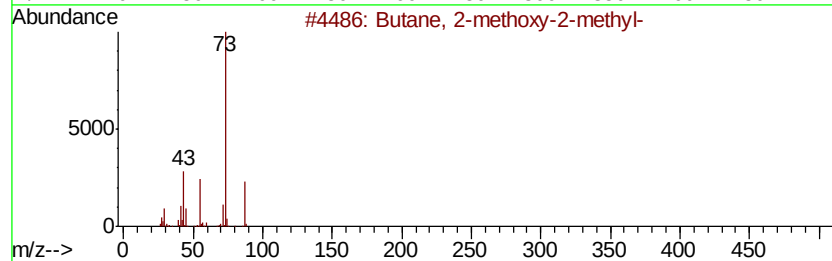
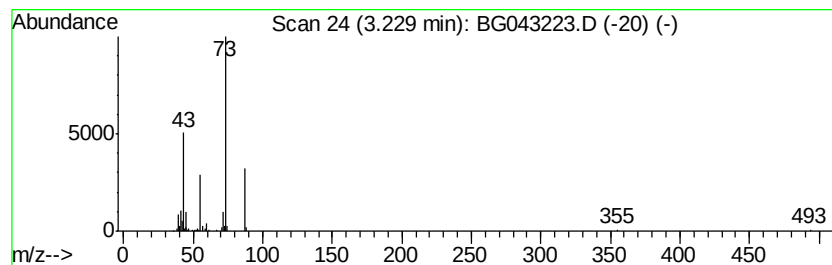
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.23 | 9.27 ng | 141948 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 9    |



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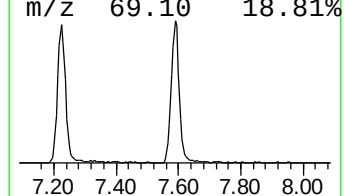
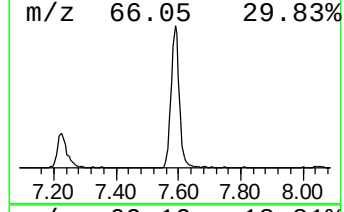
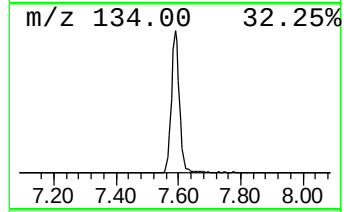
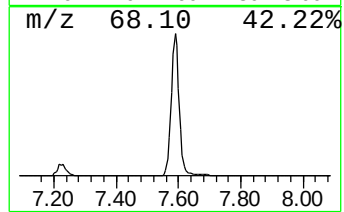
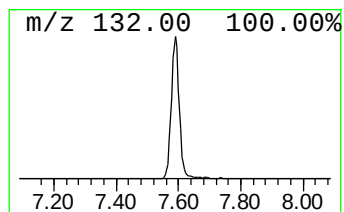
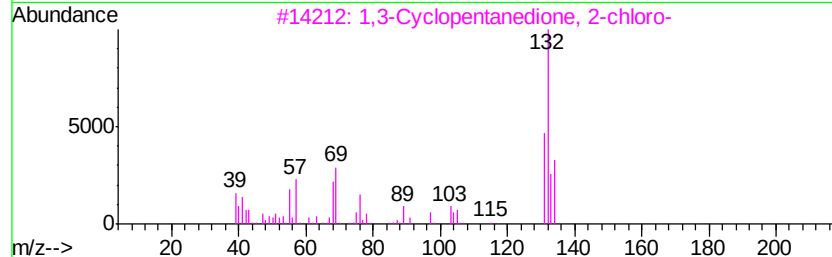
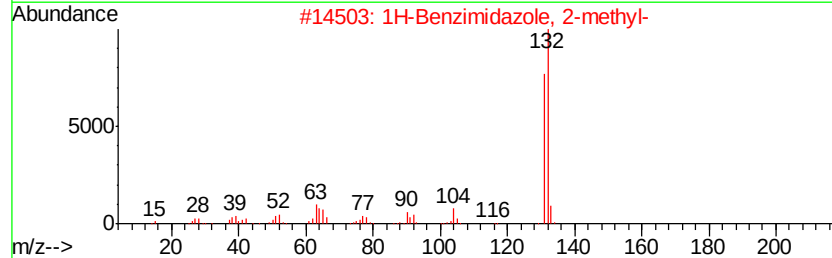
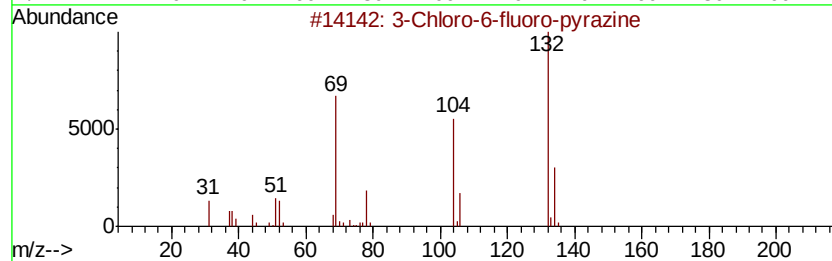
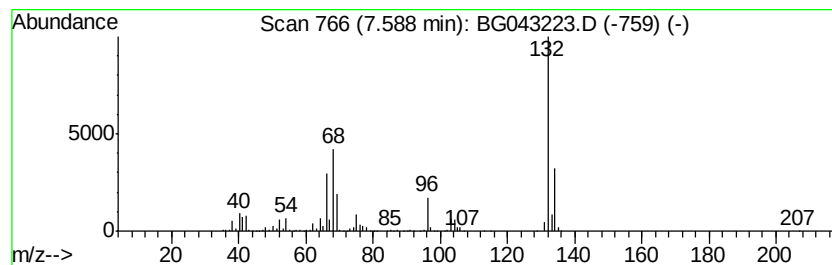
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.59 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.59 | 89.49 ng | 1370470 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 25   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 1-Pentene, 2-methyl- | 3.16 | 9.3     | ng    | 142751   | 1                     | 8.05 | 306269 | 20.0 |
| Butane, 2-methoxy... | 3.23 | 9.3     | ng    | 141948   | 1                     | 8.05 | 306269 | 20.0 |
| unknown7.59          | 7.59 | 89.5    | ng    | 1370470  | 1                     | 8.05 | 306269 | 20.0 |