

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG011218\  
 Data File : BG032021.D  
 Acq On : 13 Jan 2018 2:55  
 Operator : SJ/JU  
 Sample : J1106-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CLEAN-SAND-15

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:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.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         | 3.415       | 14            | 21          | 29           | rBV      | 71200          | 146318        | 3.10%           | 0.691%        |
| 2         | 5.689       | 400           | 408         | 415          | rBV2     | 41201          | 69719         | 1.48%           | 0.329%        |
| 3         | 6.200       | 487           | 495         | 507          | rBV      | 716491         | 1260321       | 26.73%          | 5.949%        |
| 4         | 7.880       | 773           | 781         | 793          | rBV      | 706728         | 1394408       | 29.57%          | 6.582%        |
| 5         | 8.286       | 841           | 850         | 861          | rBV      | 773904         | 1436954       | 30.48%          | 6.783%        |
| 6         | 8.773       | 925           | 933         | 946          | rVB      | 167106         | 299160        | 6.34%           | 1.412%        |
| 7         | 9.108       | 982           | 990         | 1002         | rVB      | 659372         | 1197057       | 25.39%          | 5.651%        |
| 8         | 9.972       | 1128          | 1137        | 1145         | rBV      | 439594         | 830748        | 17.62%          | 3.921%        |
| 9         | 11.652      | 1416          | 1423        | 1434         | rVB      | 230395         | 436136        | 9.25%           | 2.059%        |
| 10        | 14.032      | 1820          | 1828        | 1841         | rBV      | 1697040        | 2787445       | 59.12%          | 13.158%       |
| 11        | 14.825      | 1958          | 1963        | 1969         | rBV      | 118773         | 183908        | 3.90%           | 0.868%        |
| 12        | 15.407      | 2053          | 2062        | 2069         | rBV2     | 405174         | 691452        | 14.66%          | 3.264%        |
| 13        | 16.881      | 2305          | 2313        | 2324         | rBV      | 1421123        | 2299108       | 48.76%          | 10.853%       |
| 14        | 18.139      | 2520          | 2527        | 2537         | rBV2     | 600736         | 951067        | 20.17%          | 4.489%        |
| 15        | 18.949      | 2661          | 2665        | 2674         | rBV2     | 58076          | 94514         | 2.00%           | 0.446%        |
| 16        | 20.671      | 2952          | 2958        | 2975         | rBV      | 3457231        | 4715093       | 100.00%         | 22.257%       |
| 17        | 22.016      | 3182          | 3187        | 3194         | rBV      | 53080          | 87312         | 1.85%           | 0.412%        |
| 18        | 22.481      | 3258          | 3266        | 3275         | rBV      | 588677         | 1137562       | 24.13%          | 5.370%        |
| 19        | 26.206      | 3885          | 3900        | 3916         | rBV3     | 340143         | 1166420       | 24.74%          | 5.506%        |

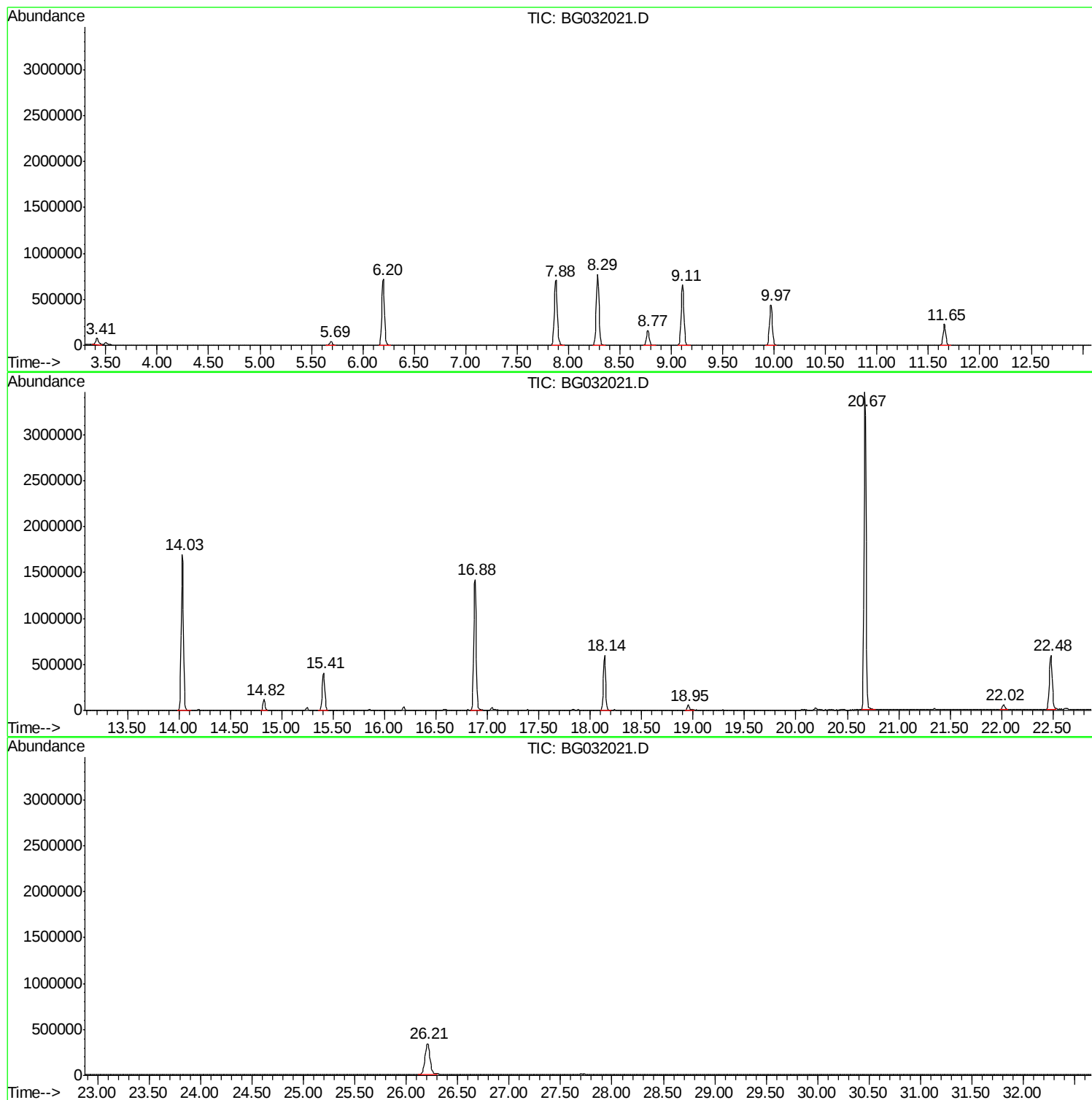
Sum of corrected areas: 21184702

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ClientSampleId :  
CLEAN-SAND-15

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.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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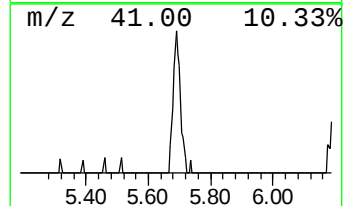
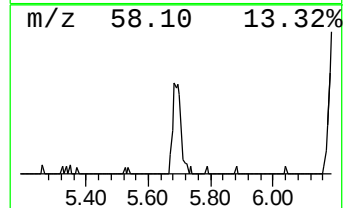
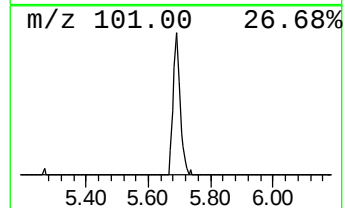
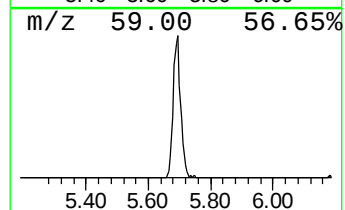
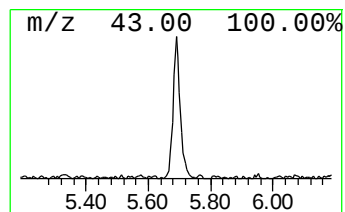
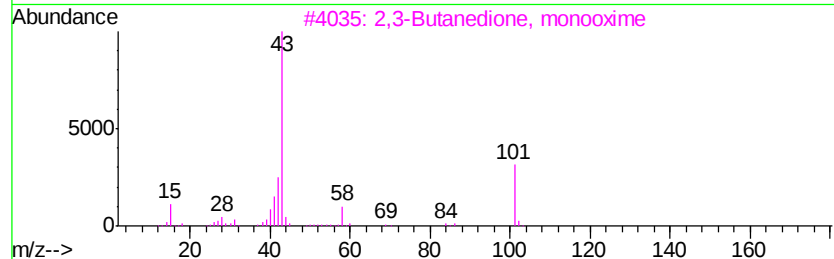
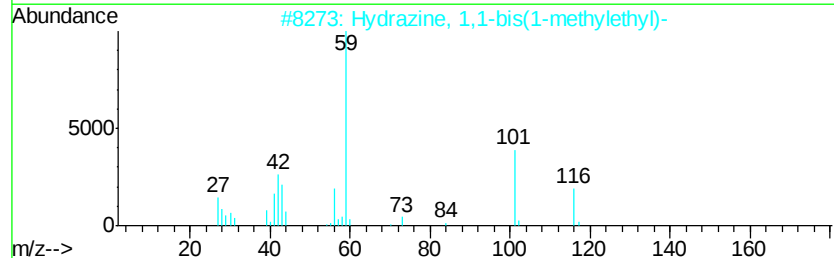
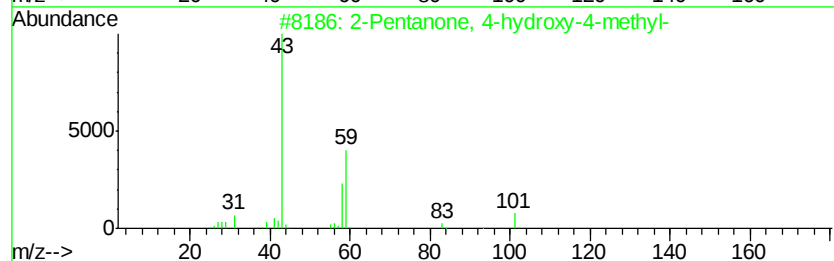
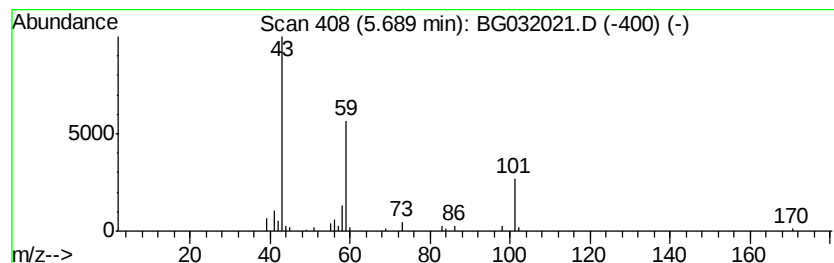
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.69 | 4.66 ng | 69719 | 1,4-Dichlorobenzene-d4 | 8.77 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 50   |
| 3    |    | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 38   |
| 4    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 37   |
| 5    |    | Propane, 1-ethoxy-2-methyl-        | 102 | C6H14O  | 000627-02-1 | 35   |



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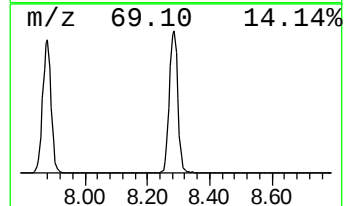
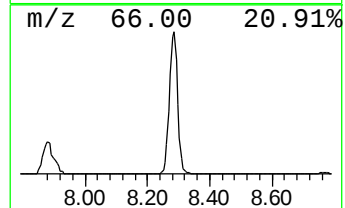
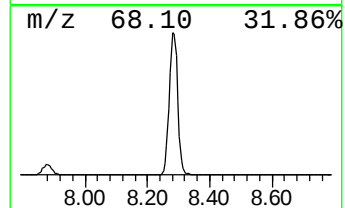
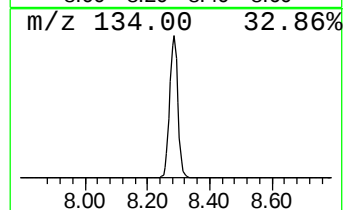
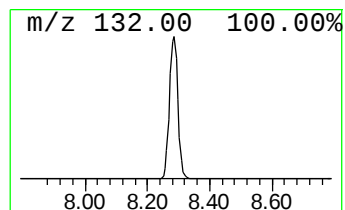
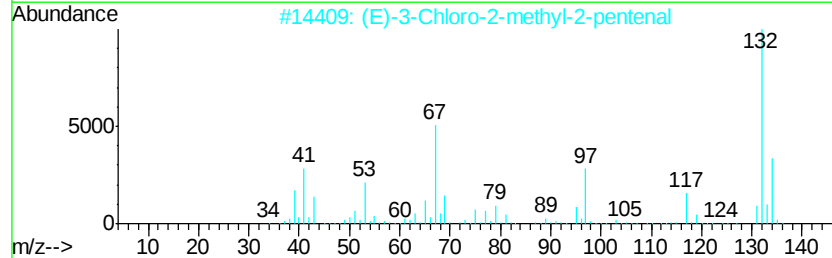
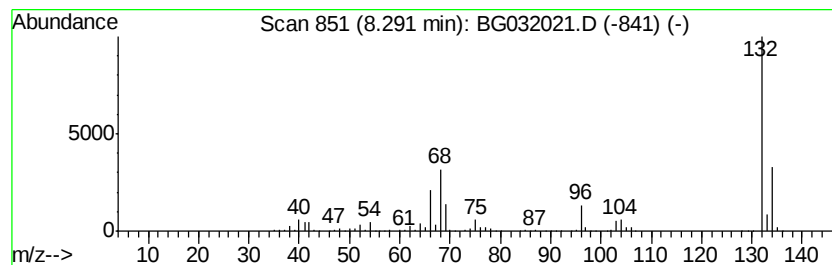
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Peak Number 3 unknown8.29 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.29 | 96.07 ng | 1436950 | 1,4-Dichlorobenzene-d4 | 8.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 10   |
| 4    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 10   |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.69 | 4.7     | ng    | 69719    | 1                     | 8.77 | 299160 | 20.0 |
| unknown8.29          | 8.29 | 96.1    | ng    | 1436950  | 1                     | 8.77 | 299160 | 20.0 |