

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112817\  
 Data File : BG031268.D  
 Acq On : 29 Nov 2017 1:29  
 Operator : SJ/JU  
 Sample : I6590-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BSC-SB-05

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-BG111017.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         | 5.202       | 322           | 326         | 336          | rVB      | 37965          | 61229         | 1.54%           | 0.358%        |
| 2         | 5.690       | 402           | 409         | 423          | rBV      | 577378         | 1015486       | 25.56%          | 5.935%        |
| 3         | 7.294       | 674           | 682         | 703          | rBV      | 588723         | 1107381       | 27.87%          | 6.472%        |
| 4         | 7.664       | 737           | 745         | 761          | rBV      | 611759         | 1091220       | 27.47%          | 6.378%        |
| 5         | 8.128       | 818           | 824         | 832          | rBV2     | 133744         | 241792        | 6.09%           | 1.413%        |
| 6         | 8.452       | 872           | 879         | 891          | rBV      | 469670         | 853947        | 21.49%          | 4.991%        |
| 7         | 9.298       | 1014          | 1023        | 1039         | rBV      | 308945         | 646406        | 16.27%          | 3.778%        |
| 8         | 10.949      | 1296          | 1304        | 1321         | rBV      | 169415         | 362921        | 9.14%           | 2.121%        |
| 9         | 13.375      | 1710          | 1717        | 1736         | rBV      | 1149341        | 1891336       | 47.61%          | 11.054%       |
| 10        | 14.215      | 1854          | 1860        | 1868         | rBV      | 20651          | 44635         | 1.12%           | 0.261%        |
| 11        | 14.756      | 1945          | 1952        | 1965         | rBV2     | 338125         | 603807        | 15.20%          | 3.529%        |
| 12        | 16.101      | 2175          | 2181        | 2188         | rBV      | 30507          | 54341         | 1.37%           | 0.318%        |
| 13        | 16.237      | 2198          | 2204        | 2221         | rBV      | 1063936        | 1750085       | 44.05%          | 10.229%       |
| 14        | 17.494      | 2411          | 2418        | 2434         | rBV2     | 595604         | 963604        | 24.25%          | 5.632%        |
| 15        | 20.085      | 2853          | 2859        | 2868         | rBV      | 2947167        | 3972822       | 100.00%         | 23.220%       |
| 16        | 21.378      | 3075          | 3079        | 3084         | rBV3     | 22928          | 45072         | 1.13%           | 0.263%        |
| 17        | 21.765      | 3138          | 3145        | 3159         | rVB2     | 694450         | 1245805       | 31.36%          | 7.281%        |
| 18        | 25.061      | 3696          | 3706        | 3719         | rBV2     | 392082         | 1157896       | 29.15%          | 6.767%        |

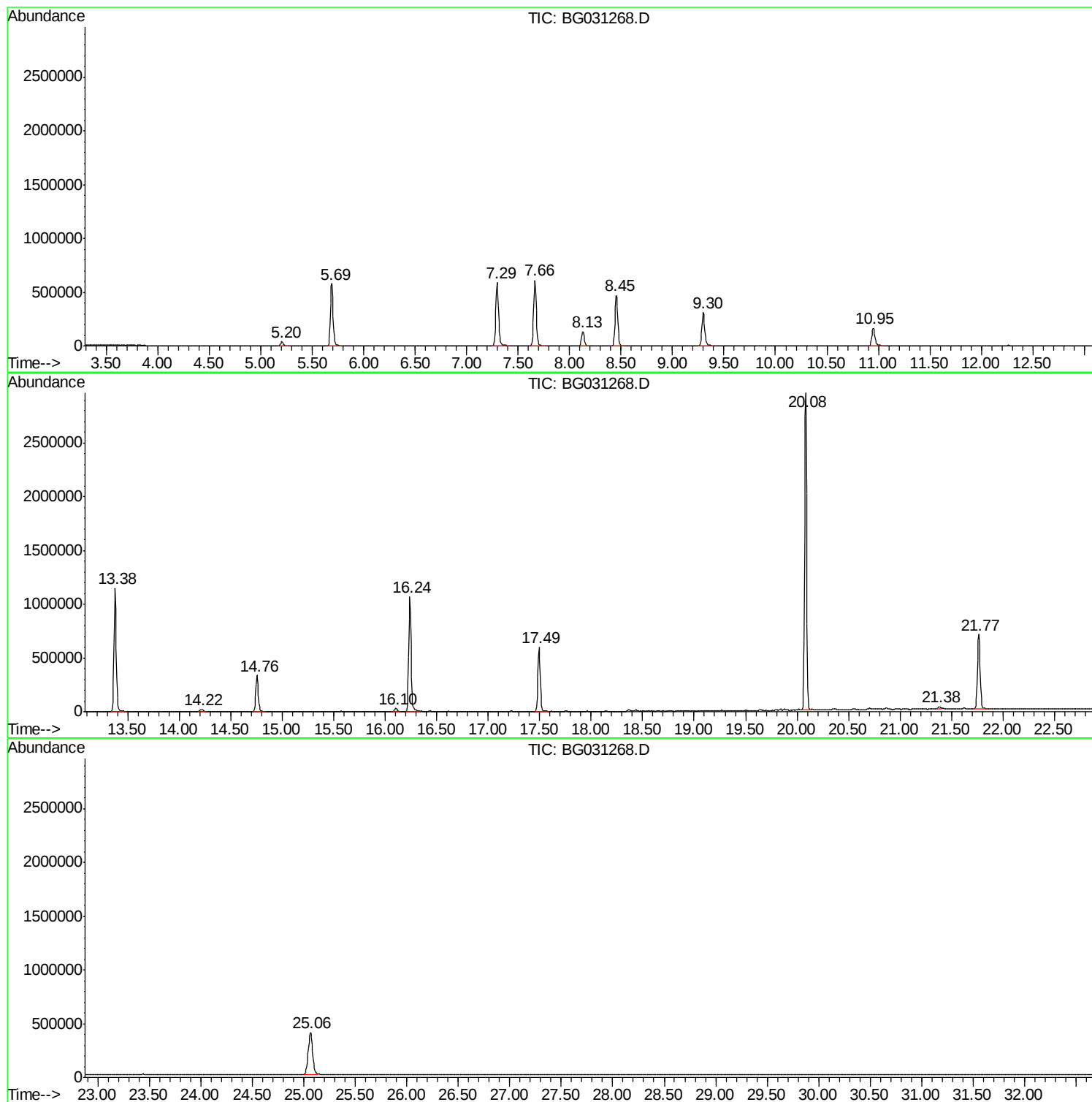
Sum of corrected areas: 17109785

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



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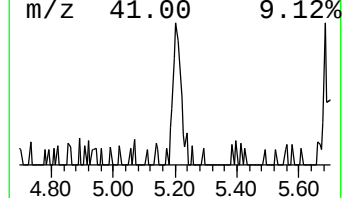
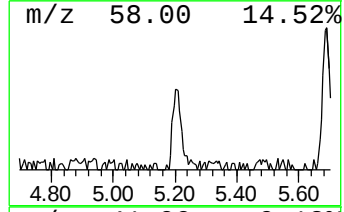
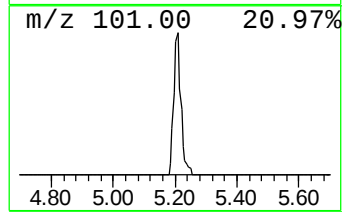
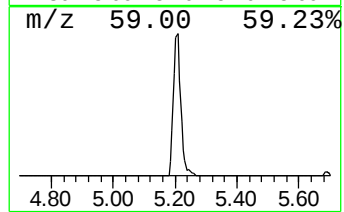
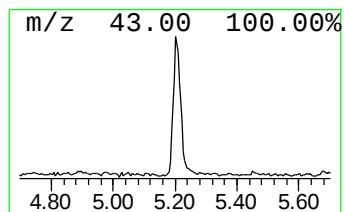
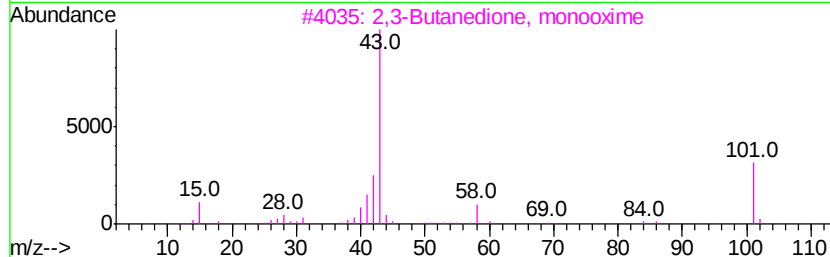
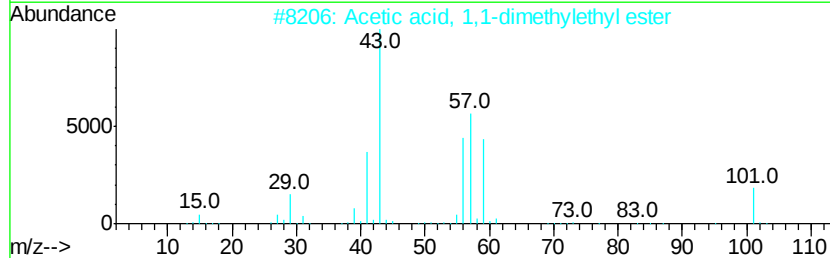
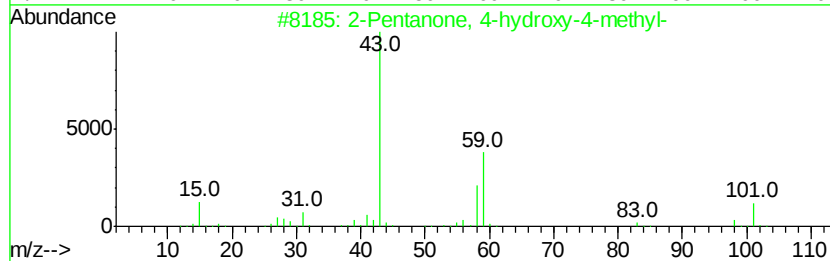
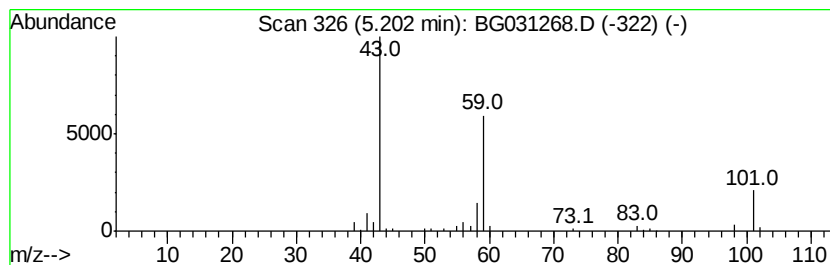
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.20 | 5.06 ng | 61229 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 38   |
| 4    |    |   | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3 | 053951-43-2 | 25   |
| 5    |    |   | 3-Heptanol, 4-methyl-               | 130 | C8H18O  | 014979-39-6 | 25   |



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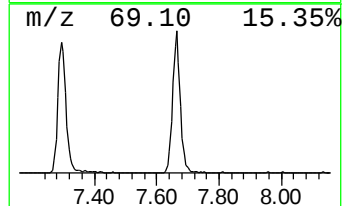
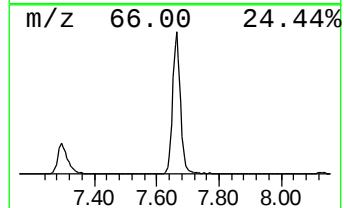
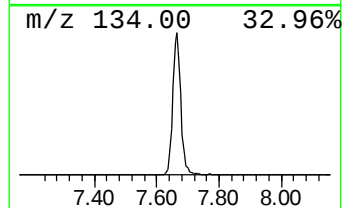
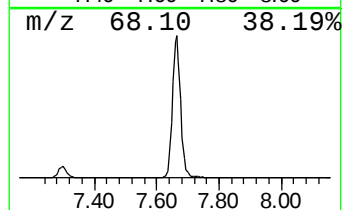
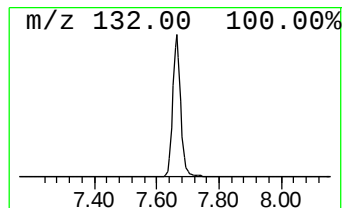
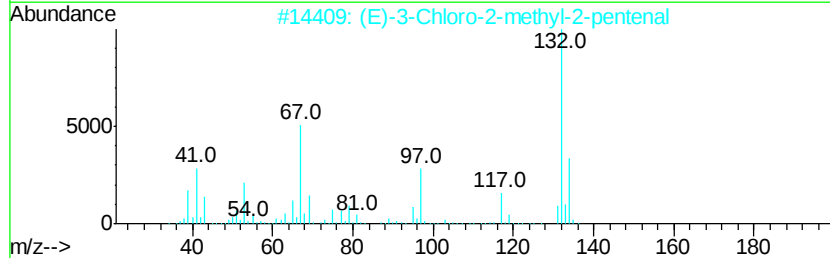
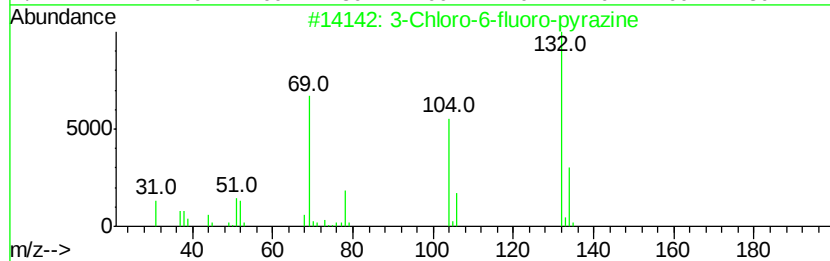
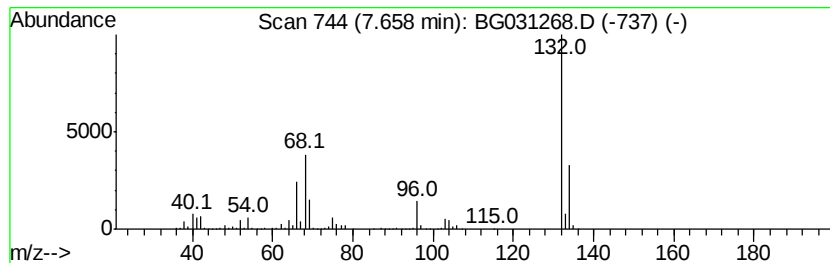
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Peak Number 2 unknown7.66 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.66 | 90.26 ng | 1091220 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropane-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 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... | 5.20 | 5.1     | ng    | 61229    | 1                     | 8.13 | 241792 | 20.0 |
| unknown7.66          | 7.66 | 90.3    | ng    | 1091220  | 1                     | 8.13 | 241792 | 20.0 |