

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080216\  
 Data File : BF089561.D  
 Acq On : 2 Aug 2016 22:10  
 Operator : UM/SJ  
 Sample : H4269-22  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-57-13.8-18.5

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\_F\METHODS\8270-BF072716.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         | 1.644       | 4             | 5           | 35           | rVB      | 758896         | 1578464       | 100.00%         | 16.590%       |
| 2         | 4.547       | 256           | 259         | 271          | rBV      | 106872         | 172742        | 10.94%          | 1.816%        |
| 3         | 5.039       | 299           | 302         | 320          | rBV      | 373306         | 658876        | 41.74%          | 6.925%        |
| 4         | 6.124       | 395           | 397         | 405          | rBV      | 319298         | 492840        | 31.22%          | 5.180%        |
| 5         | 6.239       | 405           | 407         | 409          | rBV      | 916900         | 978389        | 61.98%          | 10.283%       |
| 6         | 6.467       | 426           | 427         | 438          | rBV3     | 171507         | 211864        | 13.42%          | 2.227%        |
| 7         | 6.627       | 438           | 441         | 443          | rBV      | 688191         | 828473        | 52.49%          | 8.708%        |
| 8         | 7.050       | 475           | 478         | 499          | rBV      | 395003         | 696298        | 44.11%          | 7.318%        |
| 9         | 7.759       | 538           | 540         | 552          | rBV      | 233405         | 266169        | 16.86%          | 2.798%        |
| 10        | 8.833       | 632           | 634         | 637          | rBV      | 1190471        | 1176147       | 74.51%          | 12.362%       |
| 11        | 9.496       | 690           | 692         | 695          | rBV      | 330831         | 286518        | 18.15%          | 3.011%        |
| 12        | 10.285      | 759           | 761         | 771          | rBV      | 552422         | 603375        | 38.23%          | 6.342%        |
| 13        | 10.971      | 819           | 821         | 831          | rBV      | 215556         | 231181        | 14.65%          | 2.430%        |
| 14        | 12.548      | 957           | 959         | 962          | rBV      | 862653         | 916305        | 58.05%          | 9.631%        |
| 15        | 13.588      | 1047          | 1050        | 1061         | rBV      | 185210         | 215225        | 13.64%          | 2.262%        |
| 16        | 14.914      | 1163          | 1166        | 1175         | rBV      | 179205         | 201549        | 12.77%          | 2.118%        |

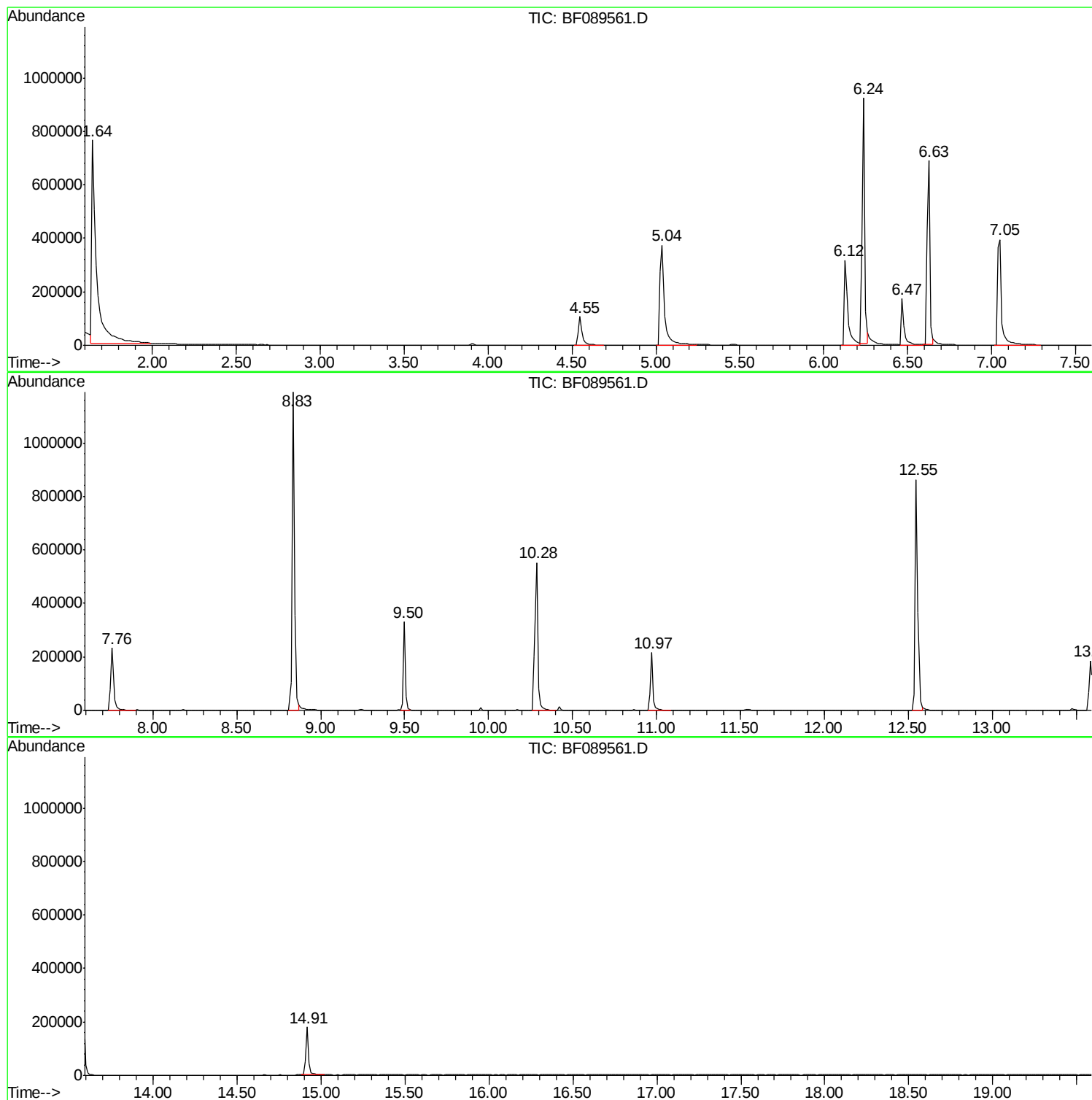
Sum of corrected areas: 9514415

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.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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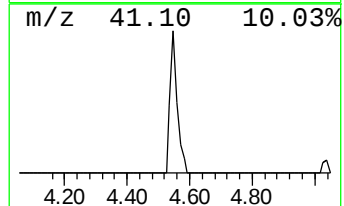
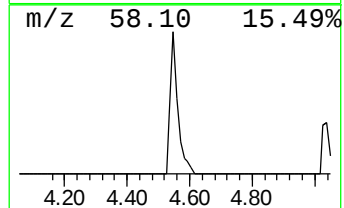
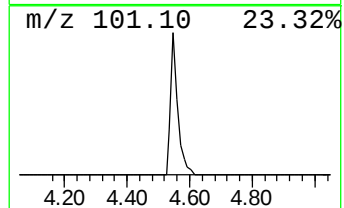
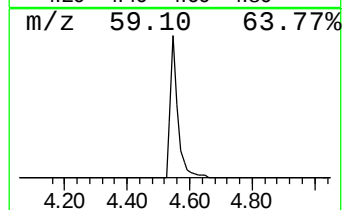
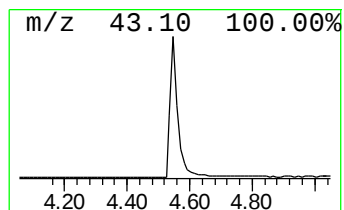
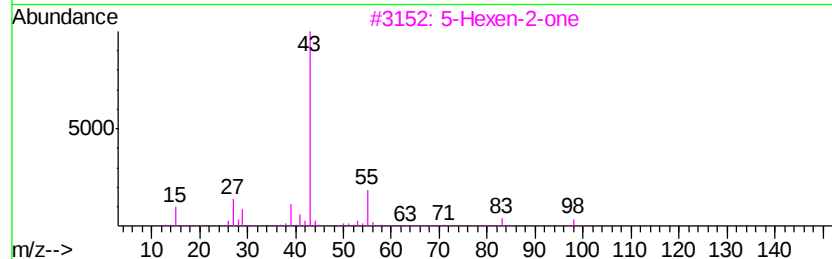
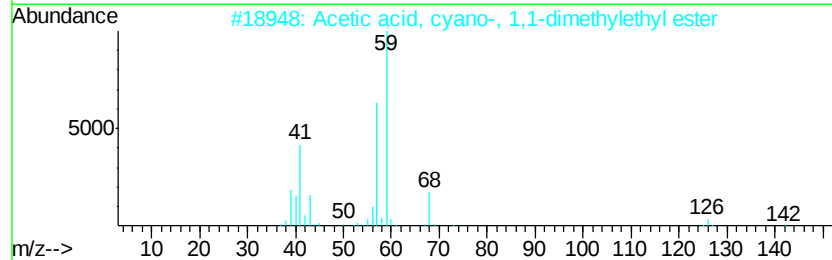
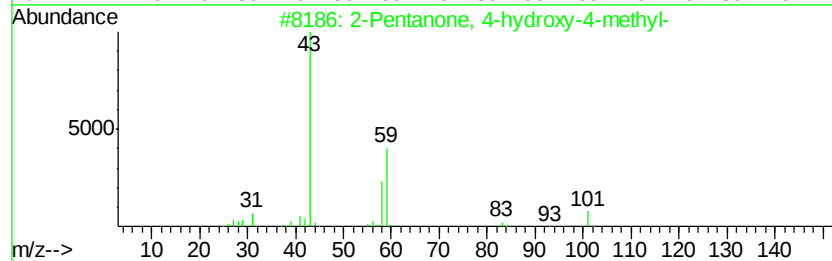
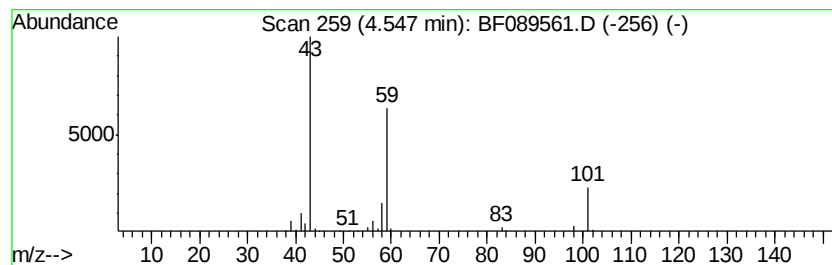
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.55 | 16.31 ng | 172742 | 1,4-Dichlorobenzene-d4 | 6.47 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    |   | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 4    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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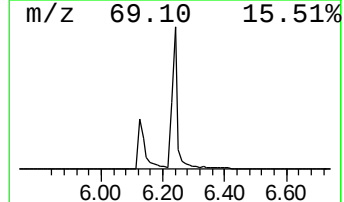
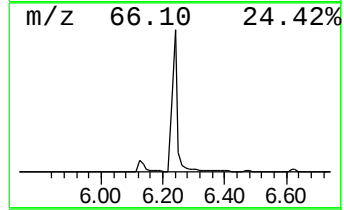
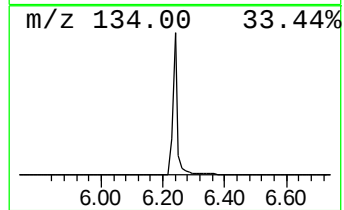
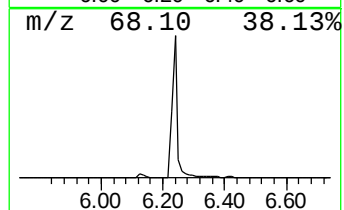
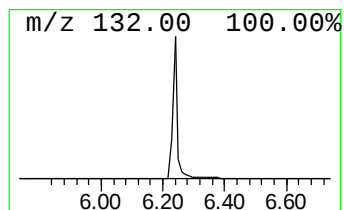
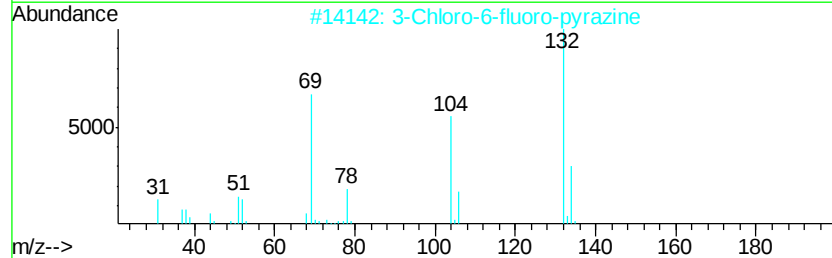
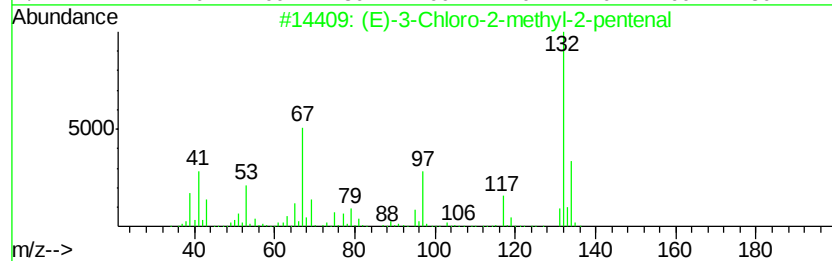
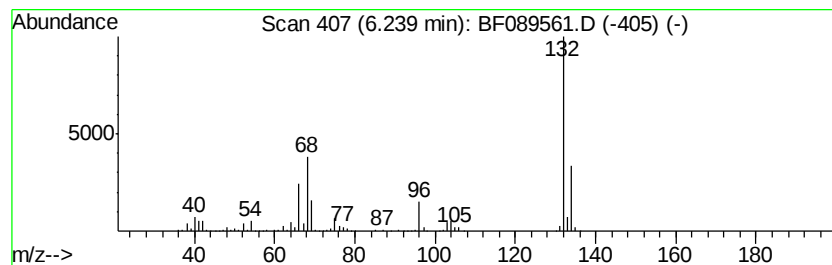
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Peak Number 3 unknown6.24 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.24 | 92.36 ng | 978389 | 1,4-Dichlorobenzene-d4 | 6.47 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | ---Internal Standard--- |      |        |      |
|----------------------|------|---------|-------|----------|-------------------------|------|--------|------|
|                      |      |         |       |          | #                       | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.55 | 16.3    | ng    | 172742   | 1                       | 6.47 | 211864 | 20.0 |
| unknown6.24          | 6.24 | 92.4    | ng    | 978389   | 1                       | 6.47 | 211864 | 20.0 |