

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\  
 Data File : BF090233.D  
 Acq On : 26 Sep 2016 20:40  
 Operator : UM/SJ  
 Sample : H4946-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01I-092216

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-BF092016.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         | 1.655       | 4             | 6           | 64           | rVB      | 2605046        | 7472380       | 100.00%         | 23.505%       |
| 2         | 4.547       | 257           | 259         | 267          | rBV      | 153653         | 210613        | 2.82%           | 0.662%        |
| 3         | 5.027       | 299           | 301         | 304          | rBV      | 996592         | 1315359       | 17.60%          | 4.137%        |
| 4         | 6.124       | 395           | 397         | 405          | rBV      | 842267         | 877720        | 11.75%          | 2.761%        |
| 5         | 6.239       | 405           | 407         | 410          | rBV      | 2223461        | 2342329       | 31.35%          | 7.368%        |
| 6         | 6.479       | 426           | 428         | 430          | rBV      | 742793         | 754879        | 10.10%          | 2.374%        |
| 7         | 6.627       | 439           | 441         | 444          | rBV      | 1762487        | 2324347       | 31.11%          | 7.311%        |
| 8         | 7.050       | 475           | 478         | 480          | rBV      | 1837012        | 1867566       | 24.99%          | 5.874%        |
| 9         | 7.759       | 538           | 540         | 543          | rBV      | 735353         | 1006182       | 13.47%          | 3.165%        |
| 10        | 8.845       | 632           | 635         | 638          | rBV      | 3140756        | 3442103       | 46.06%          | 10.827%       |
| 11        | 9.245       | 668           | 670         | 673          | rBV      | 96257          | 81641         | 1.09%           | 0.257%        |
| 12        | 9.507       | 691           | 693         | 695          | rBV      | 1470545        | 1296584       | 17.35%          | 4.078%        |
| 13        | 10.296      | 759           | 762         | 764          | rBV      | 1808391        | 2340755       | 31.33%          | 7.363%        |
| 14        | 10.970      | 819           | 821         | 824          | rBV      | 1133064        | 1167830       | 15.63%          | 3.673%        |
| 15        | 12.559      | 957           | 960         | 963          | rBV      | 2874101        | 3232599       | 43.26%          | 10.168%       |
| 16        | 13.474      | 1037          | 1040        | 1047         | rBV2     | 74274          | 86918         | 1.16%           | 0.273%        |
| 17        | 13.588      | 1047          | 1050        | 1052         | rBV      | 967922         | 1144949       | 15.32%          | 3.601%        |
| 18        | 14.902      | 1163          | 1165        | 1168         | rBV      | 703735         | 826411        | 11.06%          | 2.599%        |

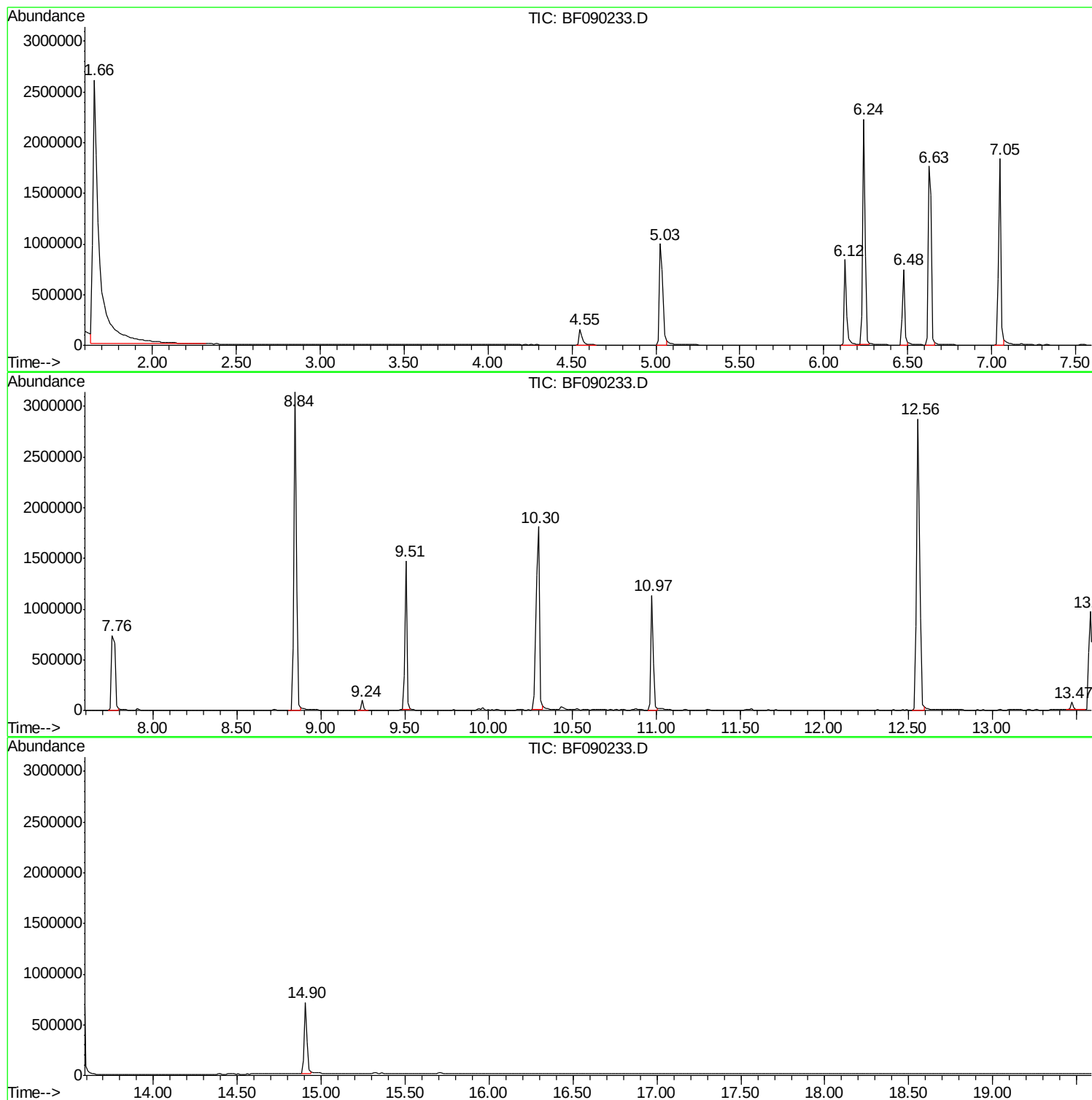
Sum of corrected areas: 31791165

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092016.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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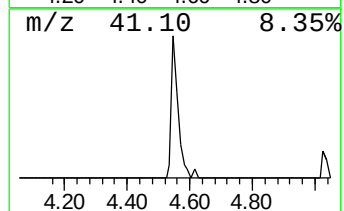
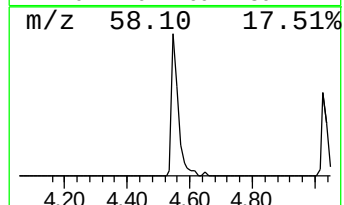
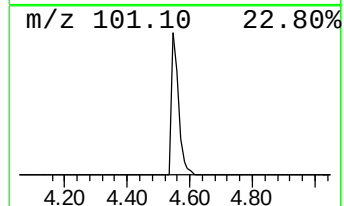
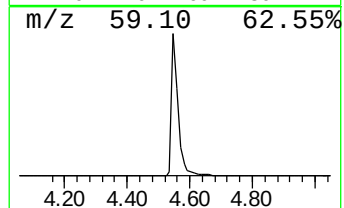
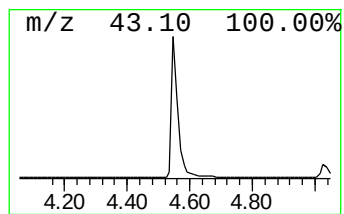
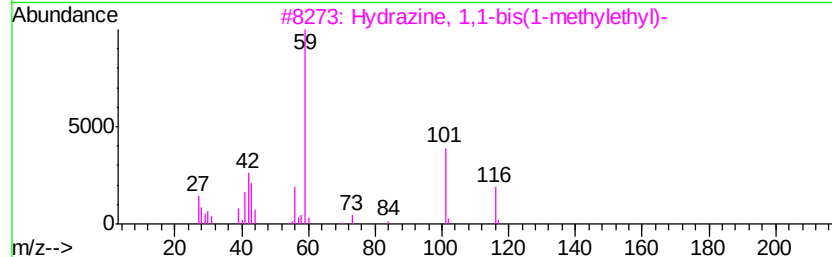
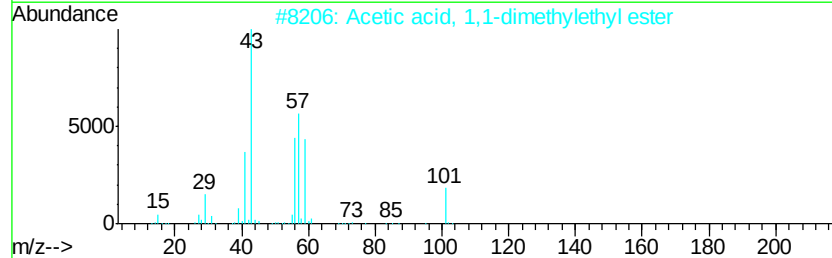
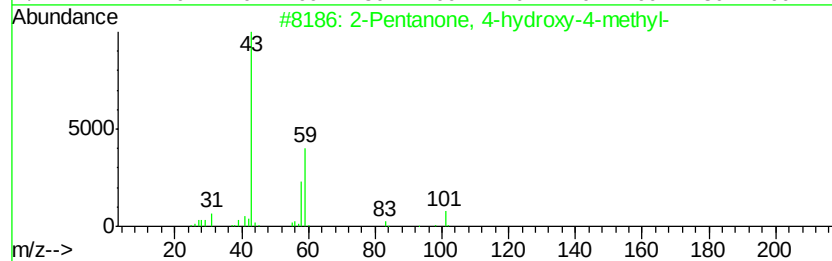
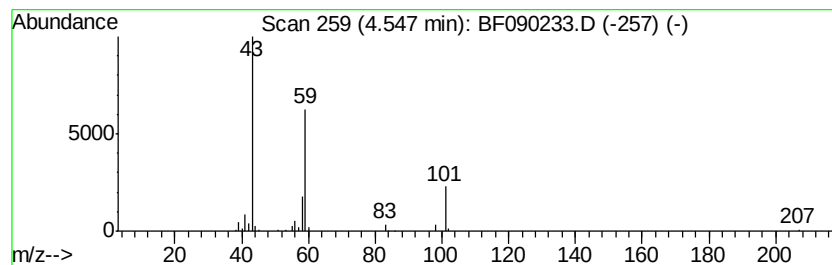
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.55 | 5.58 ng | 210613 | 1,4-Dichlorobenzene-d4 | 6.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Hydrazine, 1,1-bis(1-methylethyl)-  | 116 | C6H16N2  | 000921-14-2 | 28   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 5    |    | Acetone                             | 58  | C3H6O    | 000067-64-1 | 9    |



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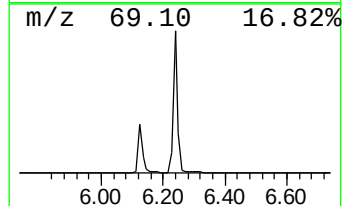
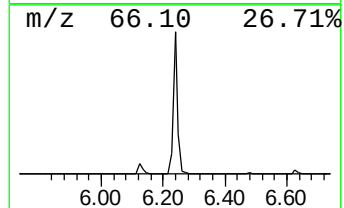
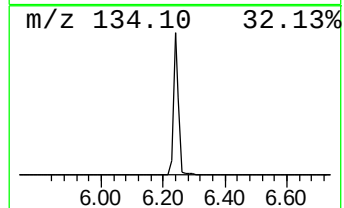
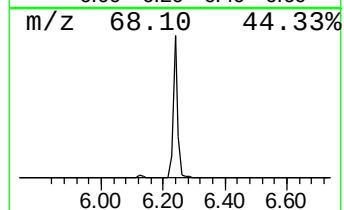
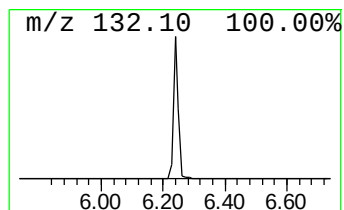
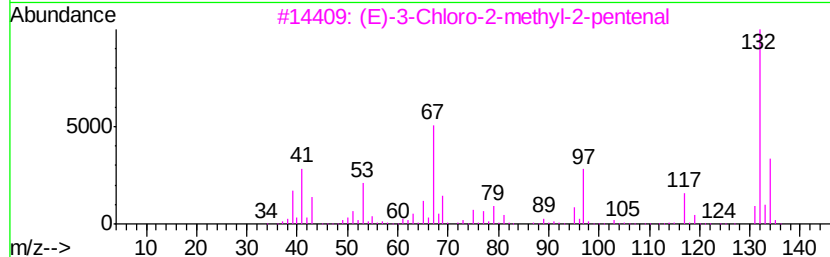
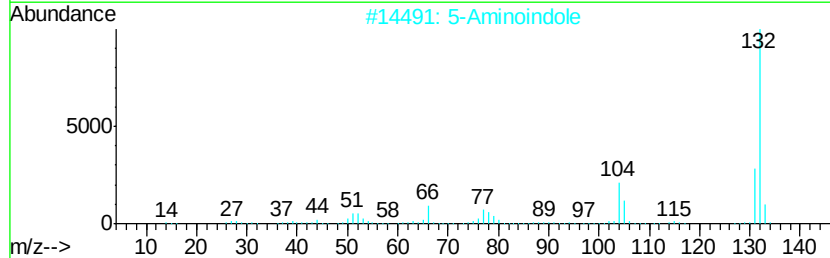
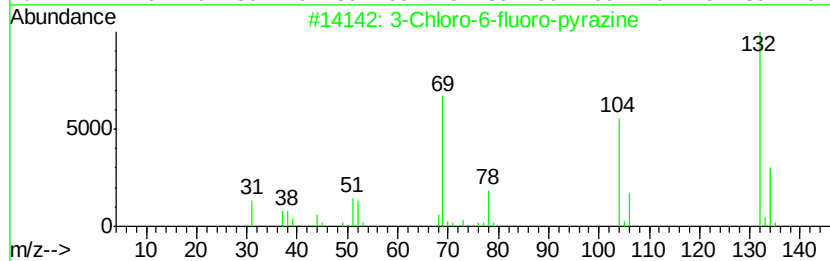
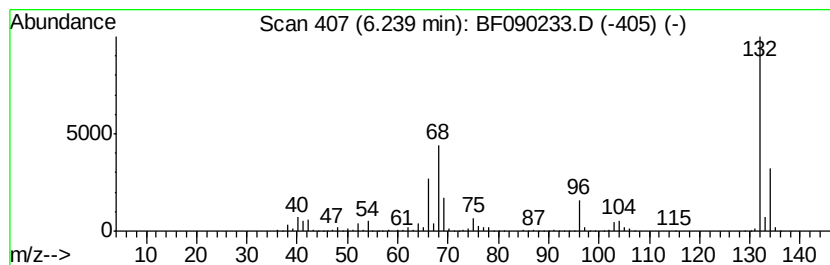
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Peak Number 3 unknown6.24 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.24 | 62.06 ng | 2342330 | 1,4-Dichlorobenzene-d4 | 6.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 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... | 4.55 | 5.6     | ng    | 210613   | 1                       | 6.48 | 754879 | 20.0 |
| unknown6.24          | 6.24 | 62.1    | ng    | 2342330  | 1                       | 6.48 | 754879 | 20.0 |