

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085824.D  
 Acq On : 29 Mar 2016 1:57  
 Operator : UM/SJ  
 Sample : H1978-02 10X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NCB-083-CS-2(0-7FTBGS)

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-BF032416.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         | 5.407       | 271           | 273         | 285          | rVB      | 236704         | 265777        | 31.17%          | 4.040%        |
| 2         | 6.447       | 362           | 364         | 374          | rBV      | 268784         | 282781        | 33.16%          | 4.298%        |
| 3         | 6.584       | 374           | 376         | 378          | rBV      | 249711         | 299730        | 35.15%          | 4.556%        |
| 4         | 6.813       | 394           | 396         | 399          | rBV      | 767202         | 648867        | 76.09%          | 9.863%        |
| 5         | 6.973       | 408           | 410         | 412          | rBV      | 228911         | 245090        | 28.74%          | 3.725%        |
| 6         | 7.373       | 443           | 445         | 457          | rBB      | 108329         | 174322        | 20.44%          | 2.650%        |
| 7         | 8.105       | 506           | 509         | 511          | rBV      | 754559         | 812015        | 95.22%          | 12.343%       |
| 8         | 9.179       | 600           | 603         | 605          | rBV      | 415500         | 361156        | 42.35%          | 5.490%        |
| 9         | 9.579       | 636           | 638         | 640          | rBV      | 31607          | 31652         | 3.71%           | 0.481%        |
| 10        | 9.853       | 660           | 662         | 665          | rBV      | 985428         | 852743        | 100.00%         | 12.962%       |
| 11        | 10.642      | 729           | 731         | 735          | rVB      | 131702         | 123249        | 14.45%          | 1.873%        |
| 12        | 10.756      | 740           | 741         | 746          | rBV2     | 8930           | 13560         | 1.59%           | 0.206%        |
| 13        | 11.214      | 779           | 781         | 785          | rVB2     | 5302           | 13278         | 1.56%           | 0.202%        |
| 14        | 11.339      | 790           | 792         | 793          | rBV      | 920679         | 795565        | 93.29%          | 12.093%       |
| 15        | 11.362      | 793           | 794         | 796          | rVB      | 61358          | 45899         | 5.38%           | 0.698%        |
| 16        | 11.956      | 844           | 846         | 850          | rVB      | 7043           | 14678         | 1.72%           | 0.223%        |
| 17        | 12.551      | 895           | 898         | 900          | rBV      | 75578          | 75055         | 8.80%           | 1.141%        |
| 18        | 12.779      | 914           | 918         | 920          | rBV      | 67660          | 83548         | 9.80%           | 1.270%        |
| 19        | 12.917      | 928           | 930         | 933          | rBV      | 305707         | 264375        | 31.00%          | 4.019%        |
| 20        | 13.202      | 953           | 955         | 959          | rBV5     | 6521           | 15289         | 1.79%           | 0.232%        |
| 21        | 13.271      | 959           | 961         | 962          | rBV2     | 6141           | 9385          | 1.10%           | 0.143%        |
| 22        | 13.831      | 1008          | 1010        | 1011         | rBV2     | 12960          | 18119         | 2.12%           | 0.275%        |
| 23        | 13.968      | 1020          | 1022        | 1025         | rBV      | 531390         | 558585        | 65.50%          | 8.491%        |
| 24        | 15.385      | 1144          | 1146        | 1149         | rBV      | 402983         | 573998        | 67.31%          | 8.725%        |

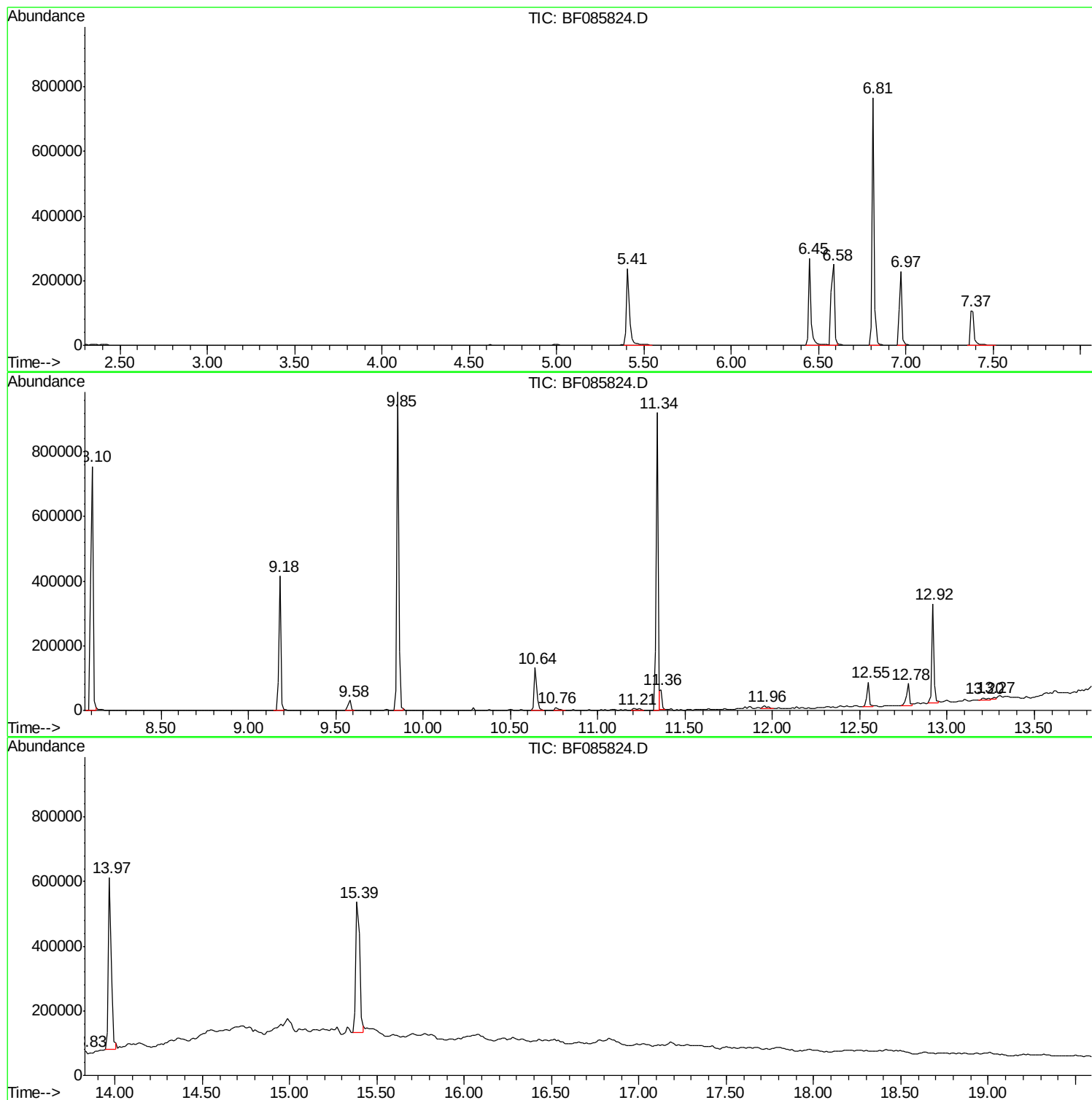
Sum of corrected areas: 6578716

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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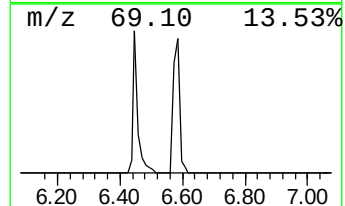
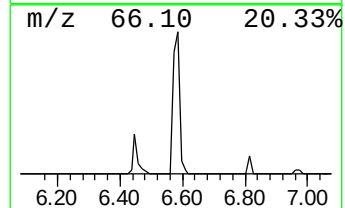
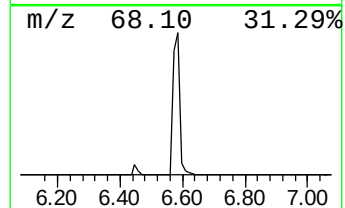
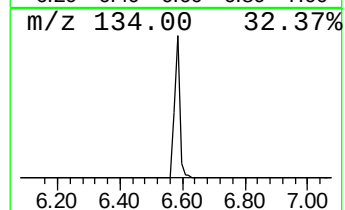
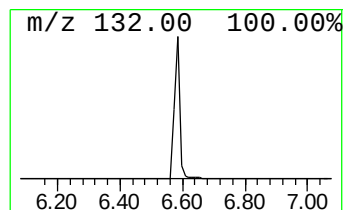
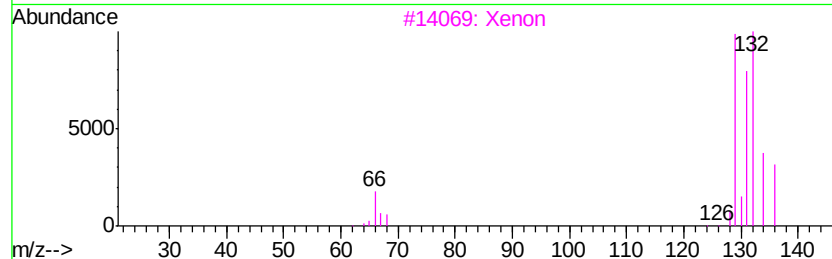
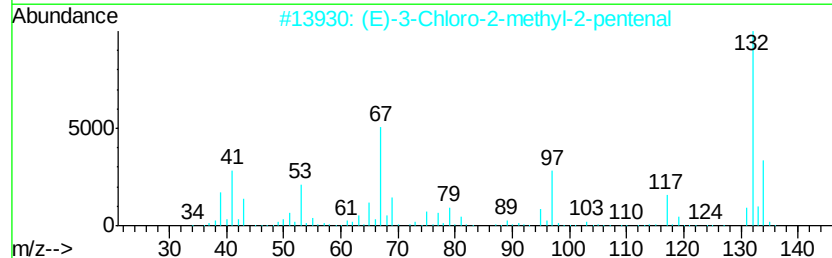
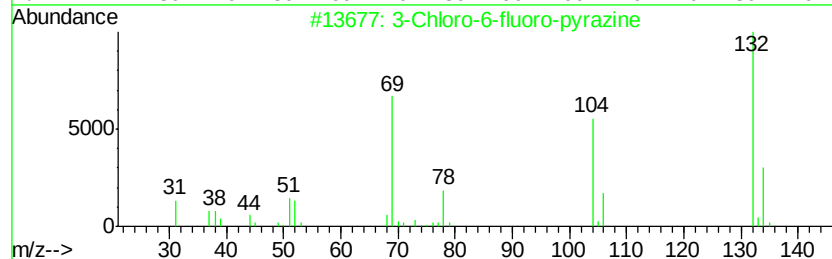
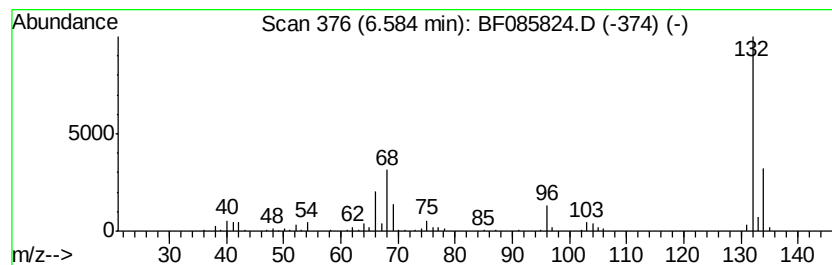
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Peak Number 1 unknown6.58 Concentration Rank 1

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.58 | 9.24 ng | 299730 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    |   | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    |   | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 4    |    |   | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    |   | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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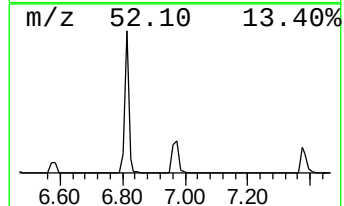
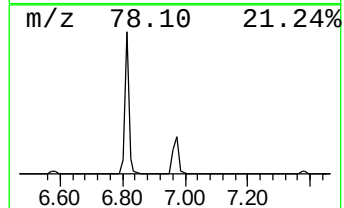
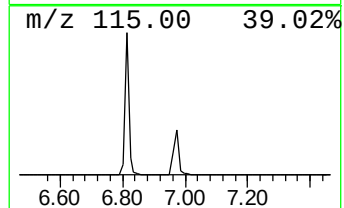
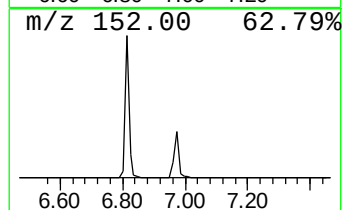
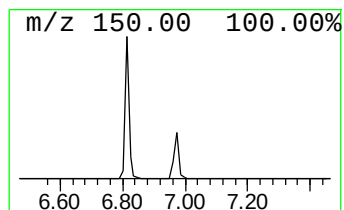
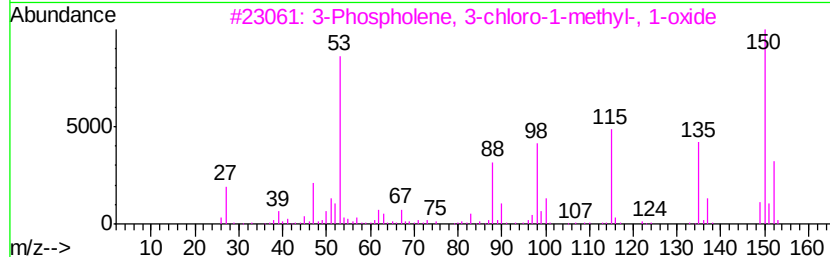
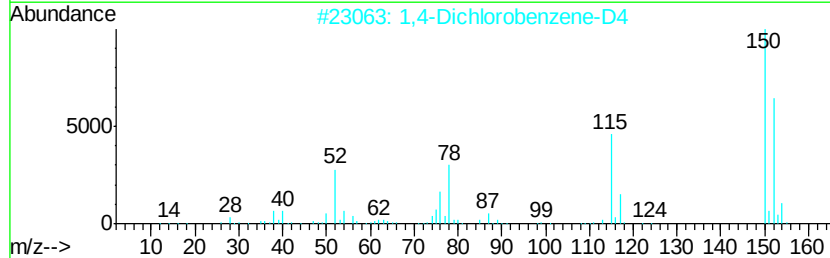
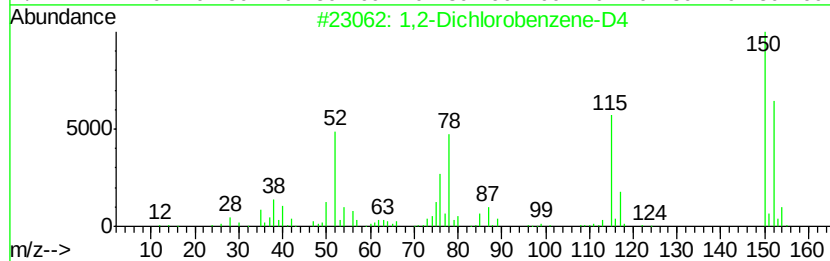
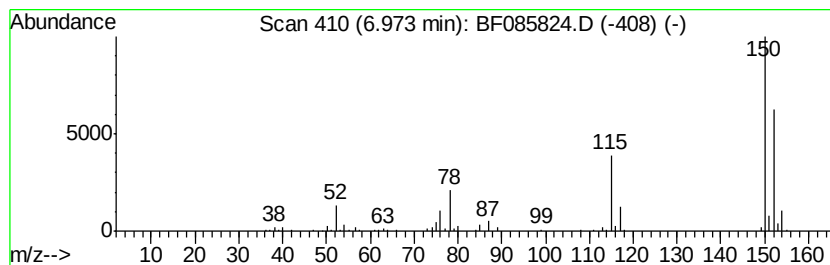
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Peak Number 2 unknown6.97 Concentration Rank 2

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.97 | 7.55 ng | 245090 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 1,2-Dichlorobenzene-D4              | 150 | C6D4Cl2    | 002199-69-1 | 95   |
| 2    |    |   | 1,4-Dichlorobenzene-D4              | 150 | C6D4Cl2    | 003855-82-1 | 95   |
| 3    |    |   | 3-Phospholene, 3-chloro-1-methyl... | 150 | C5H8ClOP   | 022356-34-9 | 40   |
| 4    |    |   | Benzenamine, N,N-dimethyl-4-nitr... | 150 | C8H10N2O   | 000138-89-6 | 32   |
| 5    |    |   | But-2-yne-1,4-diol, o,o'-bis(3-n... | 384 | C18H12N2O8 | 055709-58-5 | 12   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown6.58      | 6.58 | 9.2     | ng    | 299730   | 1                     | 6.81 | 648867 | 20.0 |
| unknown6.97      | 6.97 | 7.5     | ng    | 245090   | 1                     | 6.81 | 648867 | 20.0 |