

Data Path : Z:\HPCHEM1\BNA F\Data\BF032417\  
 Data File : BF093936.D  
 Acq On : 25 Mar 2017 4:53  
 Operator : SJ/MA  
 Sample : I2379-02 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032217.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         | 4.081       | 370           | 373         | 379          | rBV      | 91341          | 93523         | 7.36%           | 0.751%        |
| 2         | 4.481       | 437           | 441         | 452          | rVB      | 954746         | 833067        | 65.59%          | 6.692%        |
| 3         | 5.545       | 618           | 622         | 632          | rVB      | 983874         | 846984        | 66.69%          | 6.804%        |
| 4         | 5.698       | 644           | 648         | 652          | rBV      | 1025518        | 892546        | 70.27%          | 7.170%        |
| 5         | 5.957       | 688           | 692         | 696          | rBV      | 1064512        | 972325        | 76.55%          | 7.811%        |
| 6         | 6.133       | 718           | 722         | 726          | rBV      | 701743         | 691204        | 54.42%          | 5.553%        |
| 7         | 6.598       | 796           | 801         | 805          | rBV      | 540119         | 507594        | 39.96%          | 4.078%        |
| 8         | 6.728       | 819           | 823         | 826          | rBV4     | 9482           | 13286         | 1.05%           | 0.107%        |
| 9         | 7.463       | 943           | 948         | 952          | rBV      | 1342584        | 1270126       | 100.00%         | 10.203%       |
| 10        | 8.780       | 1168          | 1172        | 1176         | rBV      | 957404         | 940858        | 74.08%          | 7.558%        |
| 11        | 9.280       | 1251          | 1257        | 1260         | rBV      | 64848          | 60585         | 4.77%           | 0.487%        |
| 12        | 9.604       | 1308          | 1312        | 1317         | rVB2     | 1221720        | 1236811       | 97.38%          | 9.936%        |
| 13        | 10.192      | 1409          | 1412        | 1415         | rVB      | 17847          | 15118         | 1.19%           | 0.121%        |
| 14        | 10.574      | 1473          | 1477        | 1481         | rBV      | 412617         | 407395        | 32.08%          | 3.273%        |
| 15        | 10.780      | 1508          | 1512        | 1514         | rBV      | 18934          | 20804         | 1.64%           | 0.167%        |
| 16        | 11.333      | 1602          | 1606        | 1609         | rBV      | 17823          | 17059         | 1.34%           | 0.137%        |
| 17        | 11.433      | 1618          | 1623        | 1626         | rBV      | 998796         | 1021421       | 80.42%          | 8.205%        |
| 18        | 12.921      | 1873          | 1876        | 1881         | rVB      | 23249          | 22124         | 1.74%           | 0.178%        |
| 19        | 13.198      | 1919          | 1923        | 1928         | rVB      | 21547          | 25676         | 2.02%           | 0.206%        |
| 20        | 13.404      | 1954          | 1958        | 1962         | rBV      | 681294         | 632089        | 49.77%          | 5.078%        |
| 21        | 14.115      | 2076          | 2079        | 2081         | rBV4     | 10251          | 13641         | 1.07%           | 0.110%        |
| 22        | 14.415      | 2127          | 2130        | 2131         | rBV2     | 16827          | 16892         | 1.33%           | 0.136%        |
| 23        | 14.539      | 2148          | 2151        | 2152         | rBV3     | 22751          | 30486         | 2.40%           | 0.245%        |
| 24        | 14.562      | 2152          | 2155        | 2162         | rVB5     | 77924          | 123564        | 9.73%           | 0.993%        |
| 25        | 14.680      | 2171          | 2175        | 2179         | rBV      | 837769         | 916832        | 72.18%          | 7.365%        |
| 26        | 15.356      | 2286          | 2290        | 2294         | rBV2     | 40667          | 58443         | 4.60%           | 0.469%        |
| 27        | 16.321      | 2449          | 2454        | 2461         | rVB      | 612289         | 767937        | 60.46%          | 6.169%        |

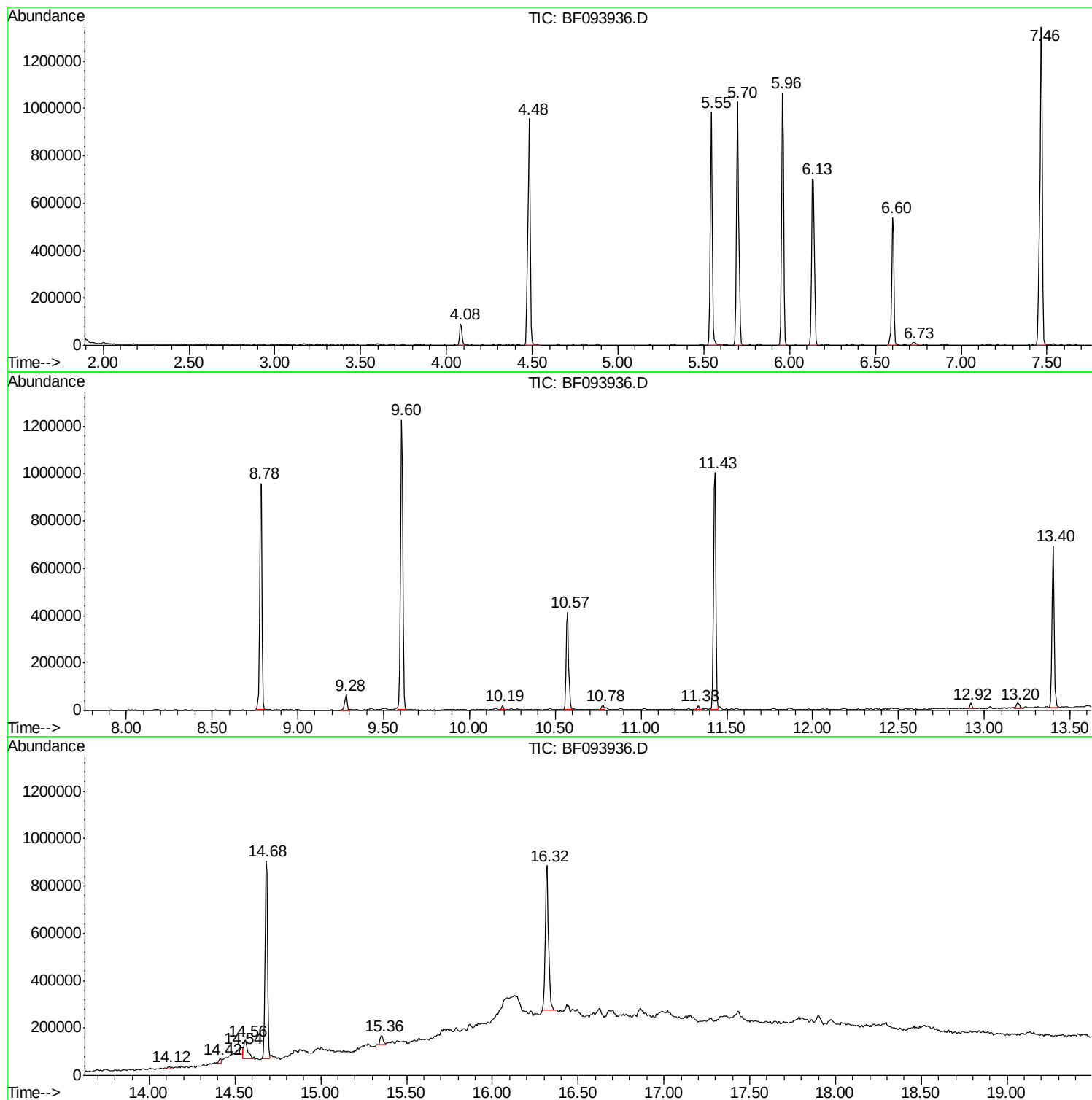
Sum of corrected areas: 12448390

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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032217.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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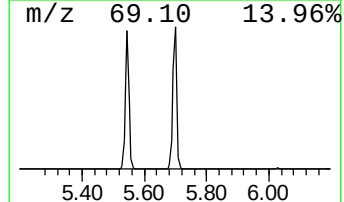
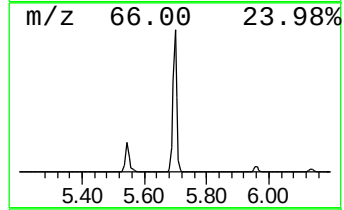
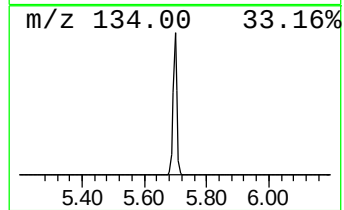
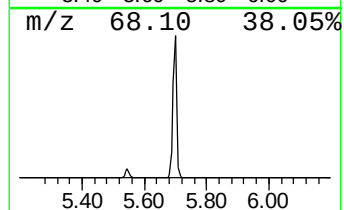
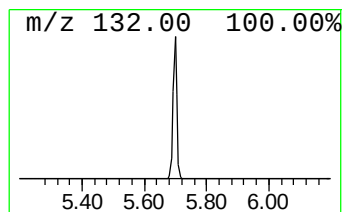
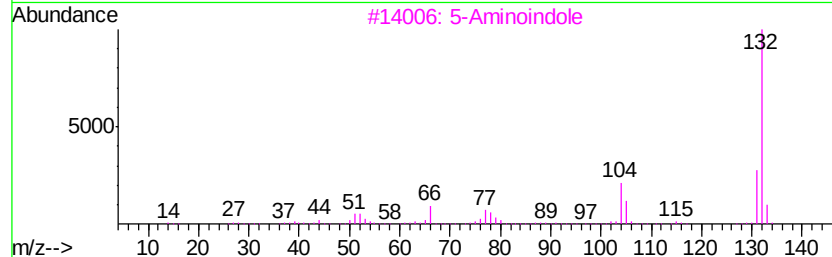
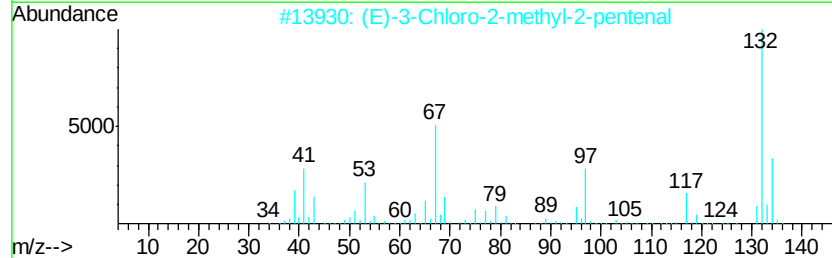
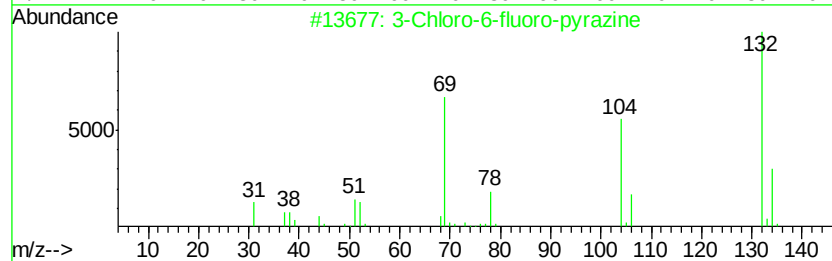
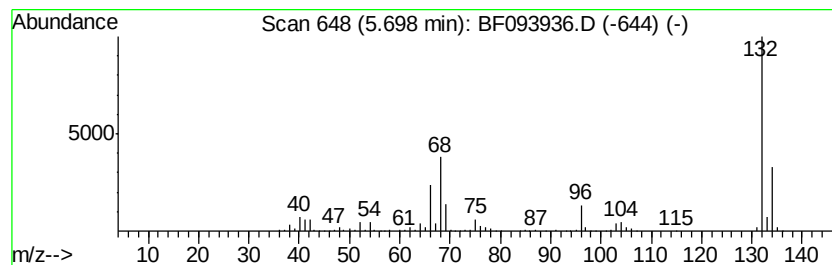
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Peak Number 1 unknown5.70 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.70 | 18.36 ng | 892546 | 1,4-Dichlorobenzene-d4 | 5.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2  | 9    |



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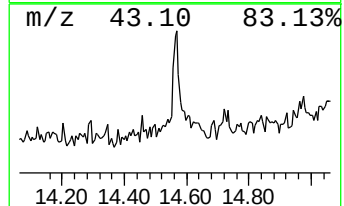
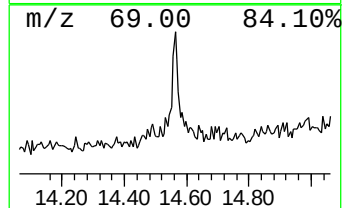
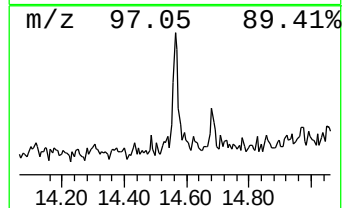
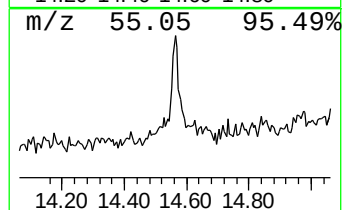
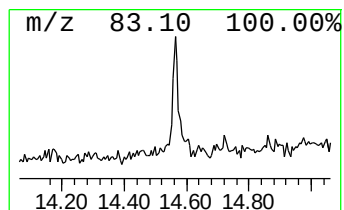
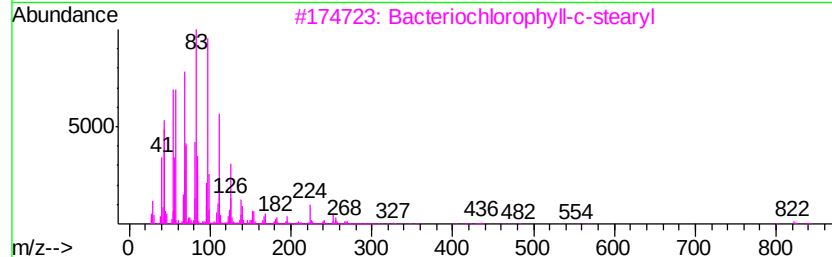
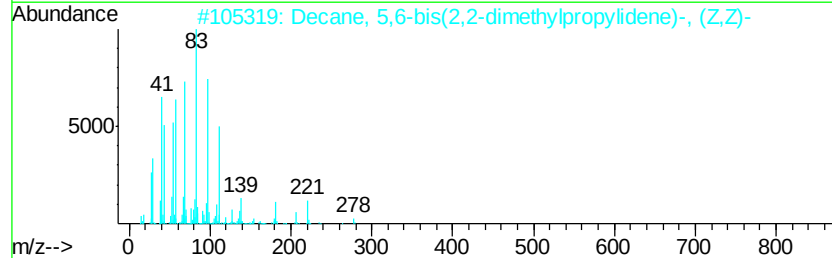
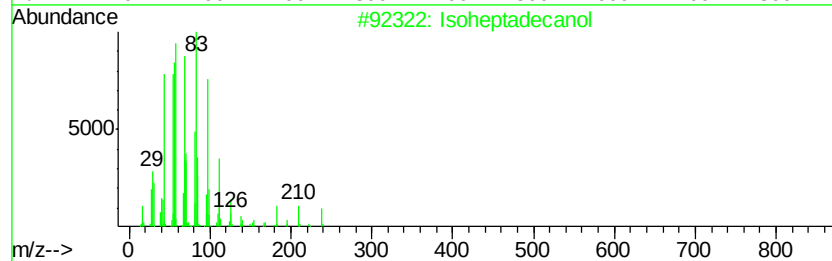
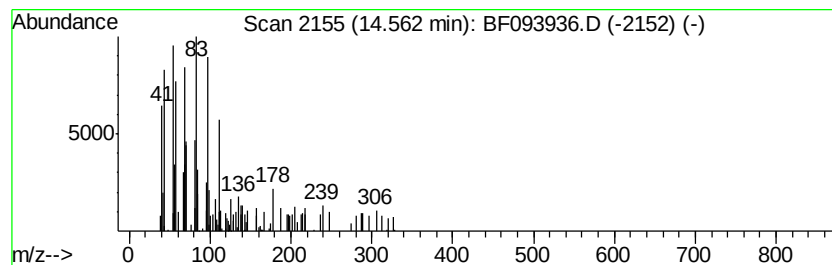
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Peak Number 3 Isoheptadecanol Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 14.56     | 2.70 ng                             | 123564 | Chrysene-d12     | 14.68        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Isoheptadecanol                     | 256    | C17H36O          | 057289-07-3  | 68   |
| 2         | Decane, 5,6-bis(2,2-dimethylprop... | 278    | C20H38           | 073002-85-4  | 64   |
| 3         | Bacteriochlorophyll-c-stearyl       | 841    | C52H72MgN4O4     | 1000164-49-7 | 64   |
| 4         | 1-Nonadecanol                       | 284    | C19H40O          | 001454-84-8  | 64   |
| 5         | Cyclopentane, 1,1,3,4-tetramethy... | 126    | C9H18            | 020309-77-7  | 49   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown5.70      | 5.70  | 18.4    | ng    | 892546   | 1                     | 5.96  | 972325 | 20.0 |
| Isoheptadecanol  | 14.56 | 2.7     | ng    | 123564   | 5                     | 14.68 | 916832 | 20.0 |