

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031219\  
 Data File : BM019140.D  
 Acq On : 13 Mar 2019 09:40  
 Operator : JU/SJ  
 Sample : K1824-19  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P-4

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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.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         | 5.257       | 363           | 369         | 388          | rBV      | 3818636        | 5771972       | 39.95%          | 7.325%        |
| 2         | 6.846       | 631           | 639         | 656          | rBV      | 4118265        | 6849251       | 47.40%          | 8.692%        |
| 3         | 7.198       | 691           | 699         | 717          | rBV      | 4127277        | 6627847       | 45.87%          | 8.411%        |
| 4         | 7.657       | 771           | 777         | 786          | rBV      | 752663         | 1216927       | 8.42%           | 1.544%        |
| 5         | 7.975       | 823           | 831         | 842          | rBV      | 2788818        | 4417127       | 30.57%          | 5.606%        |
| 6         | 8.828       | 966           | 976         | 998          | rBV      | 2174441        | 3822330       | 26.45%          | 4.851%        |
| 7         | 10.445      | 1244          | 1251        | 1265         | rBV      | 935728         | 1723491       | 11.93%          | 2.187%        |
| 8         | 12.927      | 1666          | 1673        | 1694         | rBV      | 6007570        | 8550324       | 59.17%          | 10.851%       |
| 9         | 13.780      | 1812          | 1818        | 1832         | rBV      | 354869         | 582240        | 4.03%           | 0.739%        |
| 10        | 14.316      | 1902          | 1909        | 1926         | rBV2     | 1737170        | 2696583       | 18.66%          | 3.422%        |
| 11        | 15.816      | 2157          | 2164        | 2184         | rBV      | 6190228        | 9080806       | 62.84%          | 11.524%       |
| 12        | 17.068      | 2371          | 2377        | 2390         | rBV2     | 2397309        | 3545231       | 24.53%          | 4.499%        |
| 13        | 17.957      | 2523          | 2528        | 2535         | rBV      | 177316         | 261754        | 1.81%           | 0.332%        |
| 14        | 19.703      | 2819          | 2825        | 2840         | rBV      | 11128511       | 14449763      | 100.00%         | 18.338%       |
| 15        | 20.962      | 3035          | 3039        | 3048         | rBV      | 814275         | 1022035       | 7.07%           | 1.297%        |
| 16        | 21.268      | 3085          | 3091        | 3104         | rBV      | 2987128        | 4270460       | 29.55%          | 5.420%        |
| 17        | 21.833      | 3184          | 3187        | 3189         | rBV      | 144322         | 153706        | 1.06%           | 0.195%        |
| 18        | 22.292      | 3262          | 3265        | 3270         | rVB      | 158164         | 192687        | 1.33%           | 0.245%        |
| 19        | 22.792      | 3347          | 3350        | 3354         | rBV      | 158543         | 202660        | 1.40%           | 0.257%        |
| 20        | 23.503      | 3465          | 3471        | 3480         | rVB      | 1801275        | 3358716       | 23.24%          | 4.263%        |

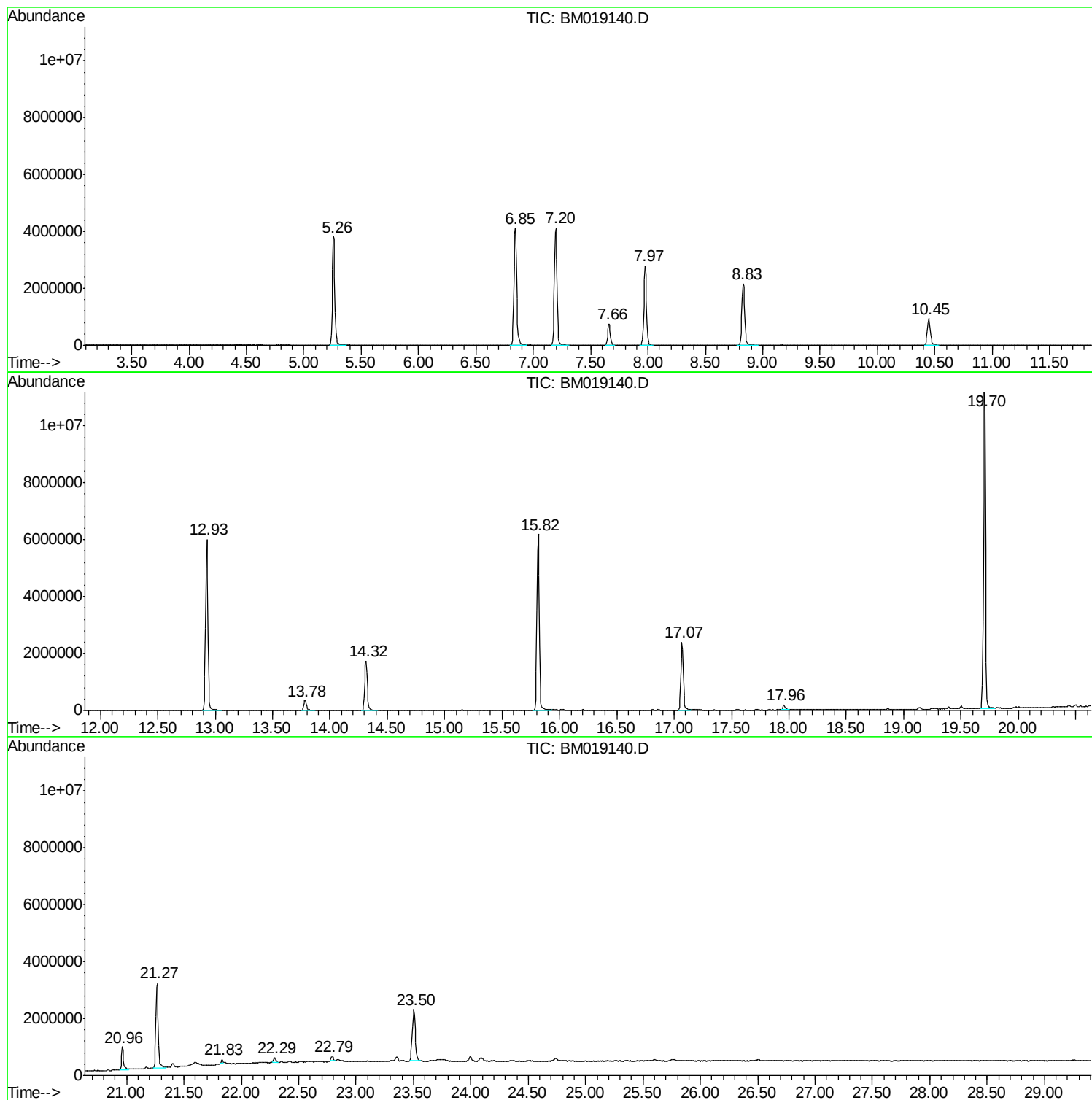
Sum of corrected areas: 78795910

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.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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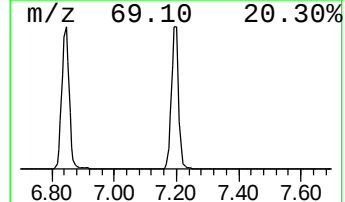
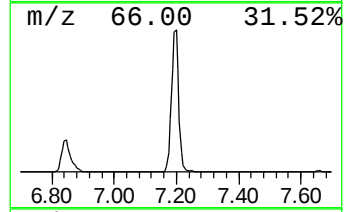
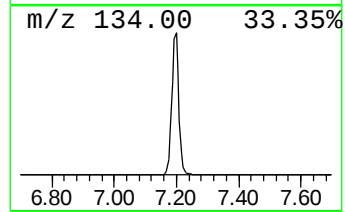
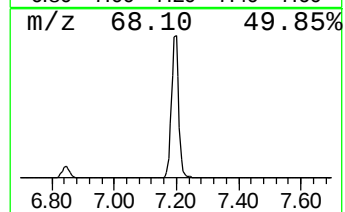
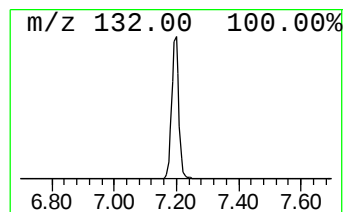
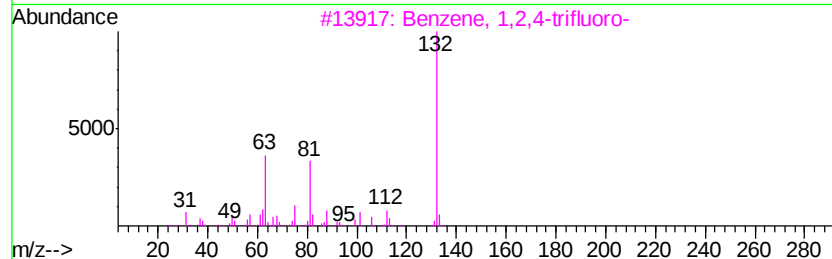
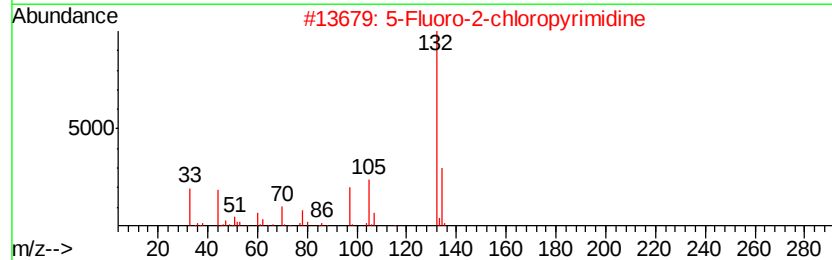
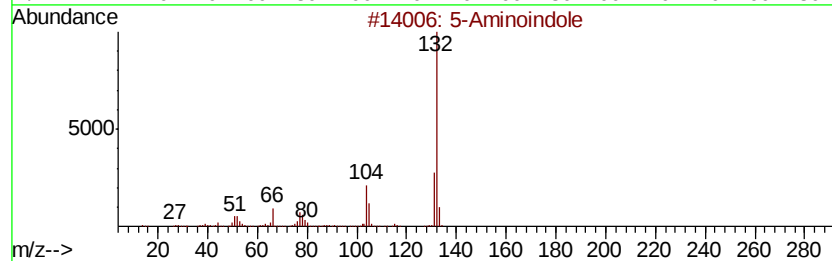
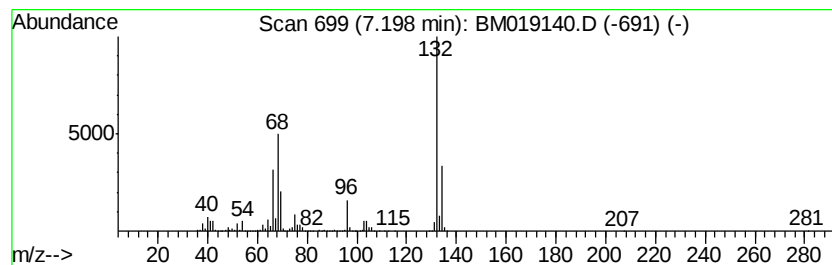
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.20 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.20 | 108.93 ng | 6627850 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0 | 22   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 16   |
| 3    |    | Benzene, 1,2,4-trifluoro-           | 132 | C6H3F3    | 000367-23-7 | 9    |
| 4    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3 | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7 | 9    |



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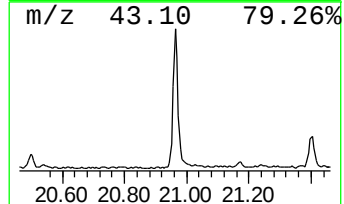
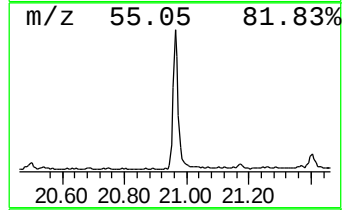
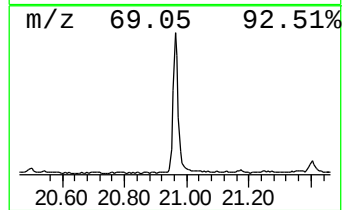
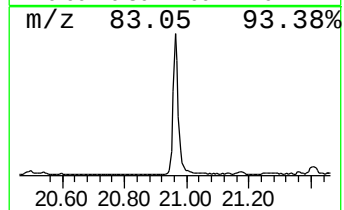
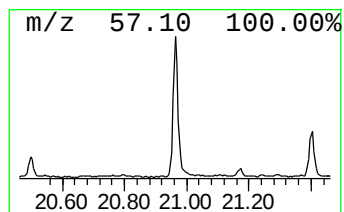
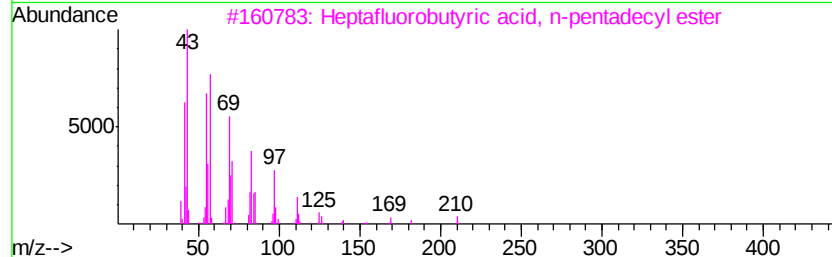
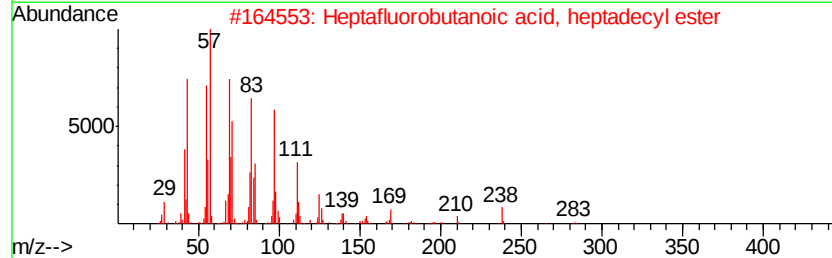
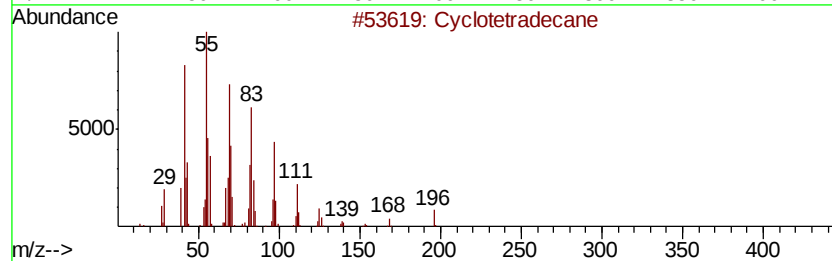
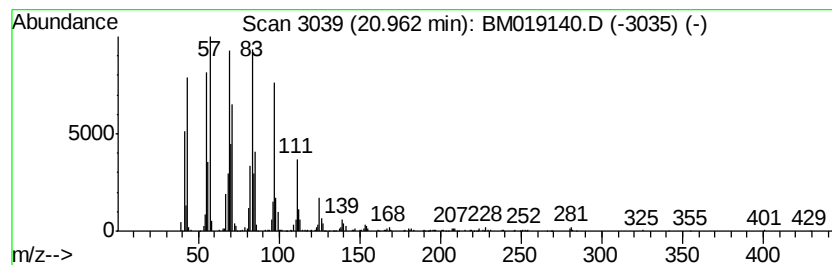
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Peak Number 3 Cyclotetradecane Concentration Rank 3

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 20.96   | 4.79 ng | 1022040                             | Chrysene-d12     | 21.27           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Cyclotetradecane                    | 196 C14H28       | 000295-17-0 94  |
| 2       |         | Heptafluorobutanoic acid, heptad... | 452 C21H35F7O2   | 1000282-97-3 94 |
| 3       |         | Heptafluorobutyric acid, n-penta... | 424 C19H31F7O2   | 1000216-79-3 91 |
| 4       |         | Trichloroacetic acid, pentadecyl... | 372 C17H31Cl3O2  | 074339-53-0 91  |
| 5       |         | Trichloroacetic acid, hexadecyl ... | 386 C18H33Cl3O2  | 074339-54-1 91  |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown7.20      | 7.20  | 108.9   | ng    | 6627850  | 1                     | 7.66  | 1216930 | 20.0 |
| Cyclotetradecane | 20.96 | 4.8     | ng    | 1022040  | 5                     | 21.27 | 4270460 | 20.0 |