

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101918\  
 Data File : BM017241.D  
 Acq On : 19 Oct 2018 21:53  
 Operator : MJ/SJ  
 Sample : J5574-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FK-BPM-03-003-ABCD

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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.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         | 4.840       | 309           | 315         | 322          | rBV      | 354230         | 478675        | 2.63%           | 0.373%        |
| 2         | 5.281       | 383           | 390         | 402          | rBV      | 8126199        | 11605879      | 63.76%          | 9.038%        |
| 3         | 6.851       | 649           | 657         | 669          | rBV      | 8000962        | 13342747      | 73.30%          | 10.390%       |
| 4         | 7.204       | 709           | 717         | 729          | rBV      | 8362598        | 12861544      | 70.65%          | 10.015%       |
| 5         | 7.663       | 789           | 795         | 804          | rVB      | 1290400        | 2058715       | 11.31%          | 1.603%        |
| 6         | 7.981       | 841           | 849         | 861          | rBV      | 5803446        | 9196190       | 50.52%          | 7.161%        |
| 7         | 8.822       | 983           | 992         | 1002         | rBV      | 4884995        | 7927442       | 43.55%          | 6.173%        |
| 8         | 10.439      | 1259          | 1267        | 1282         | rBV      | 1656799        | 2795542       | 15.36%          | 2.177%        |
| 9         | 12.922      | 1680          | 1689        | 1698         | rBV      | 11334427       | 16834372      | 92.48%          | 13.109%       |
| 10        | 13.769      | 1826          | 1833        | 1843         | rBV      | 1301161        | 1820389       | 10.00%          | 1.418%        |
| 11        | 14.304      | 1917          | 1924        | 1935         | rBV2     | 2421716        | 3776846       | 20.75%          | 2.941%        |
| 12        | 15.804      | 2172          | 2179        | 2201         | rBV      | 9965544        | 14041299      | 77.13%          | 10.934%       |
| 13        | 17.057      | 2385          | 2392        | 2405         | rBV      | 3110403        | 4237282       | 23.28%          | 3.300%        |
| 14        | 17.962      | 2540          | 2546        | 2556         | rBV      | 478488         | 687939        | 3.78%           | 0.536%        |
| 15        | 19.245      | 2760          | 2764        | 2774         | rBV      | 164163         | 244845        | 1.35%           | 0.191%        |
| 16        | 19.698      | 2835          | 2841        | 2846         | rBV      | 14241744       | 18203762      | 100.00%         | 14.175%       |
| 17        | 20.974      | 3054          | 3058        | 3069         | rBV      | 440085         | 701594        | 3.85%           | 0.546%        |
| 18        | 21.250      | 3099          | 3105        | 3110         | rBV      | 2999774        | 3869001       | 21.25%          | 3.013%        |
| 19        | 21.409      | 3129          | 3132        | 3136         | rBV      | 216305         | 253837        | 1.39%           | 0.198%        |
| 20        | 22.297      | 3280          | 3283        | 3287         | rBV      | 194182         | 243663        | 1.34%           | 0.190%        |
| 21        | 23.456      | 3475          | 3480        | 3494         | rVB      | 1754137        | 3237250       | 17.78%          | 2.521%        |

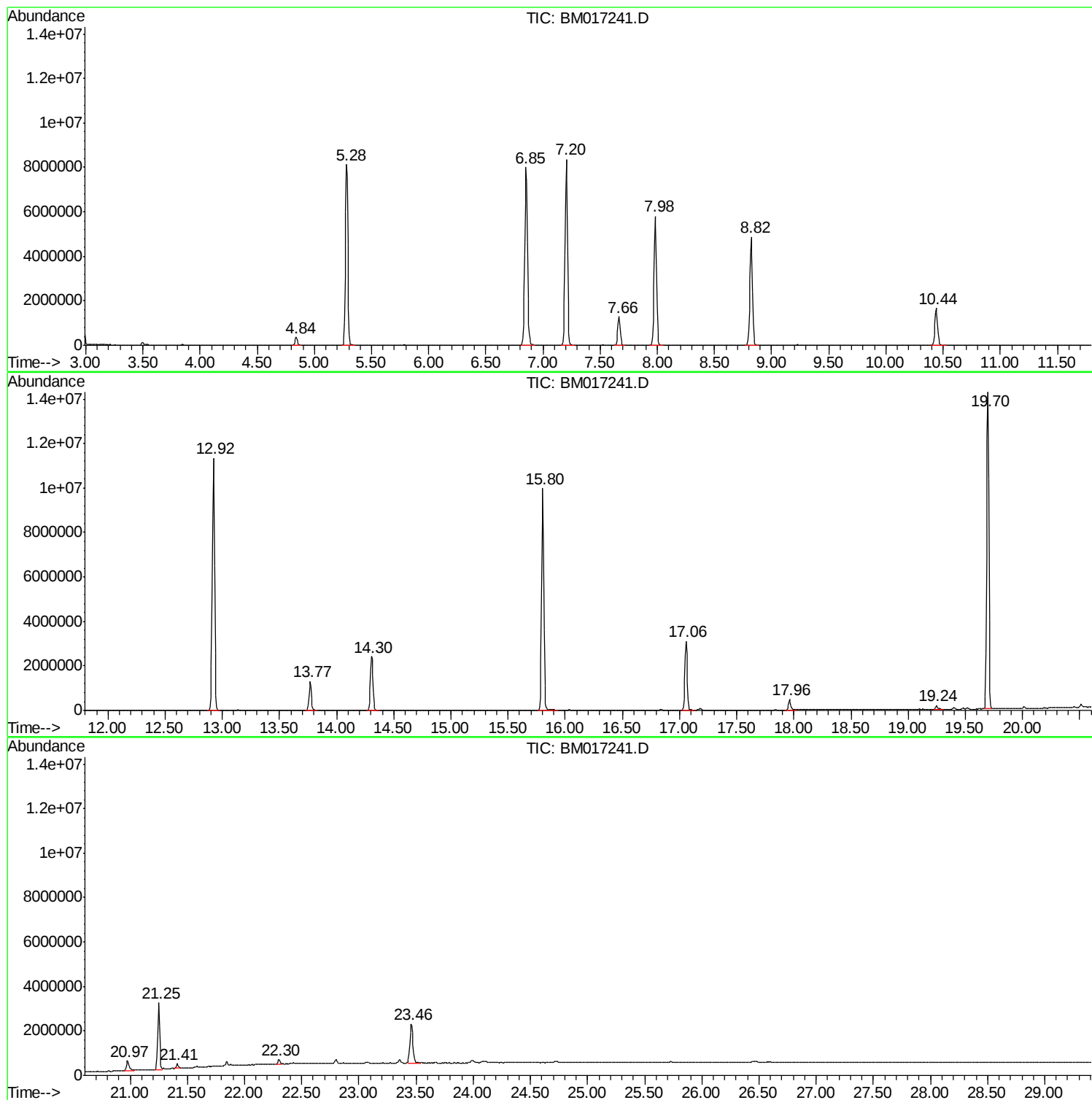
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Instrument :  
BNA\_M  
ClientSampleId :  
FK-BPM-03-003-ABCD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.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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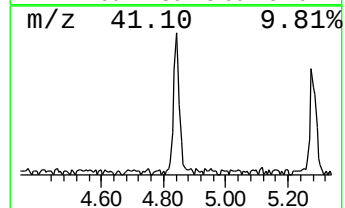
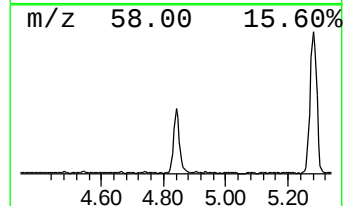
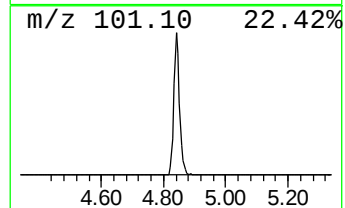
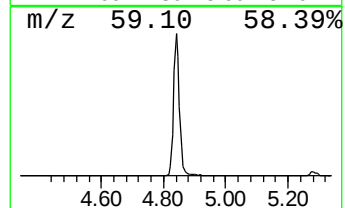
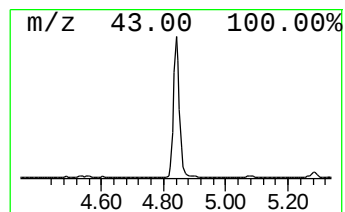
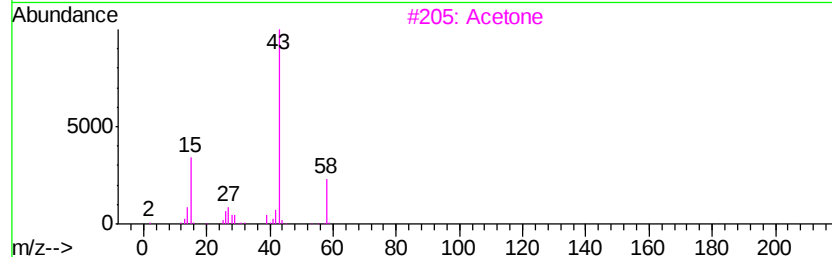
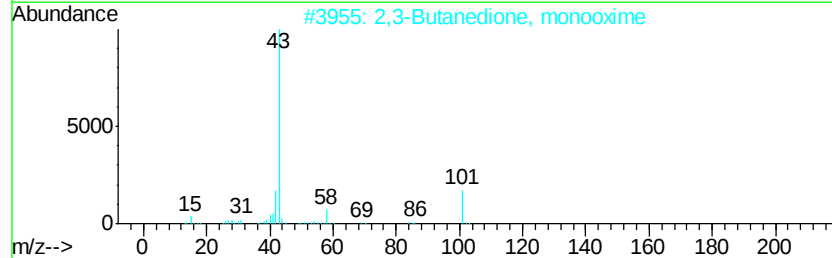
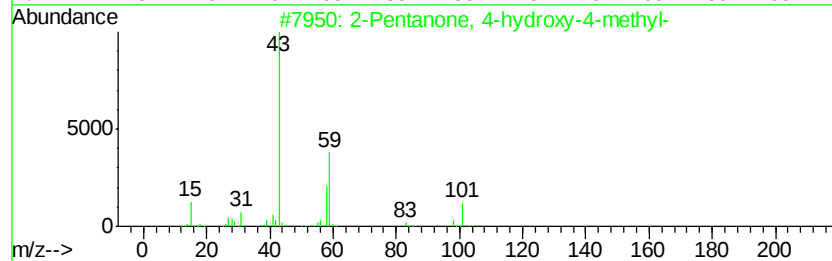
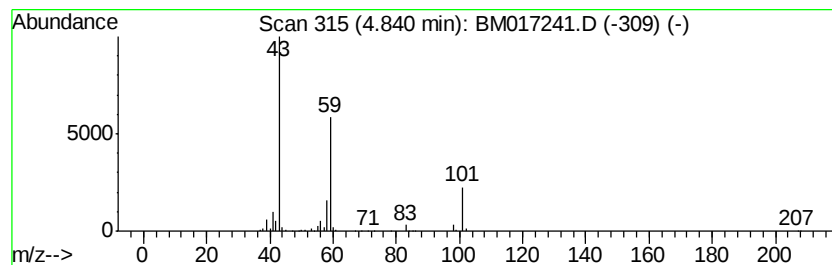
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.84 | 4.65 ng | 478675 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# of | 5                                | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|----------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl- | 116          | C6H12O2 | 000123-42-2 | 72   |      |
| 2       | 2,3-Butanedione, monooxime       | 101          | C4H7NO2 | 000057-71-6 | 25   |      |
| 3       | Acetone                          | 58           | C3H6O   | 000067-64-1 | 10   |      |
| 4       | 5-Hexen-2-one                    | 98           | C6H10O  | 000109-49-9 | 9    |      |
| 5       | Morpholine, 4-methyl-            | 101          | C5H11NO | 000109-02-4 | 9    |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

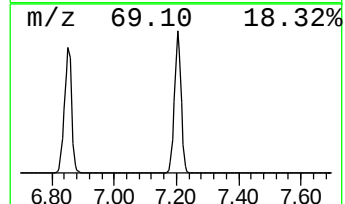
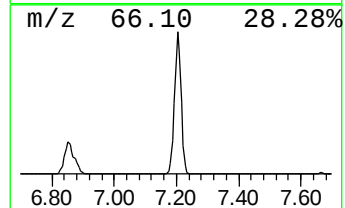
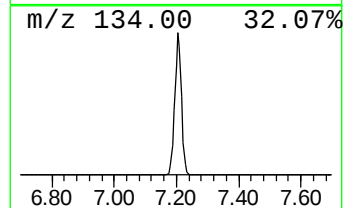
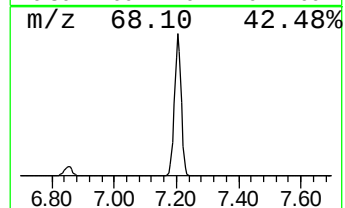
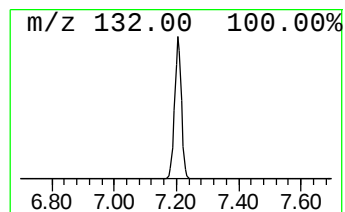
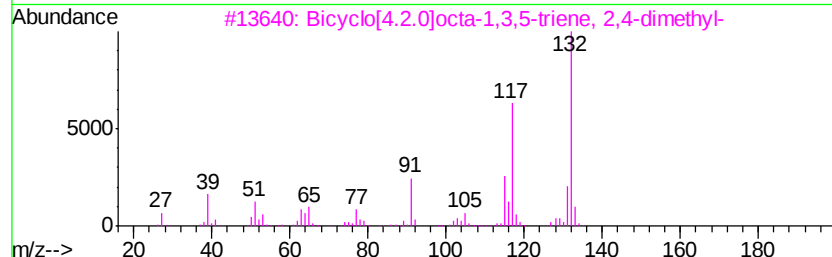
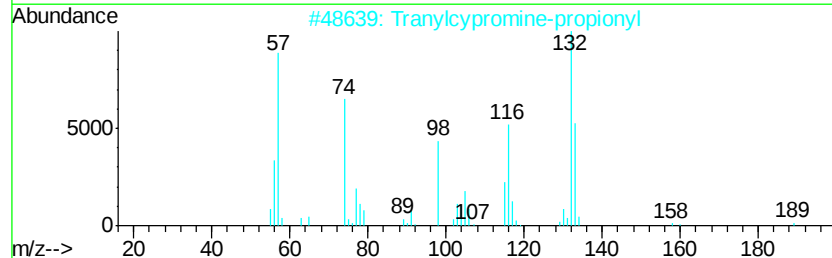
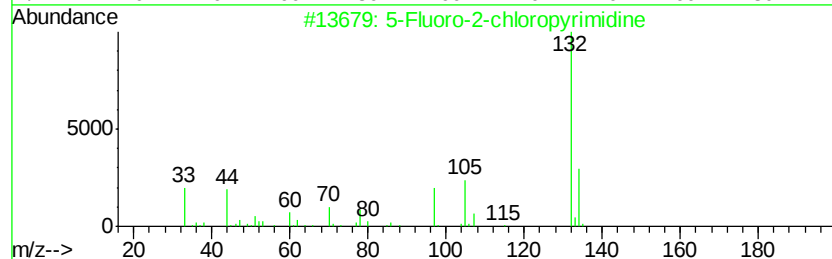
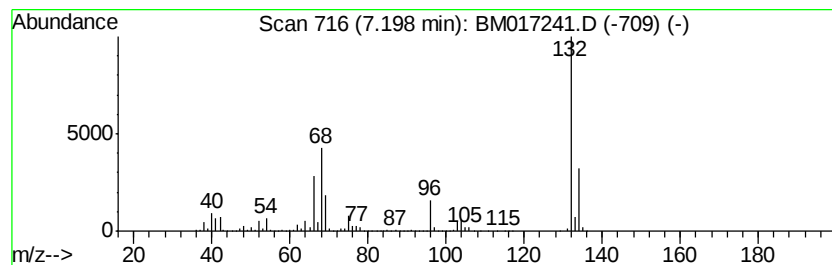
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.20 Concentration Rank 1

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 7.20 | 124.95 ng | 12861500 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione,...  | 132 | C3H4N2S2  | 029490-19-5  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |



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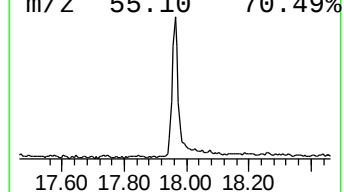
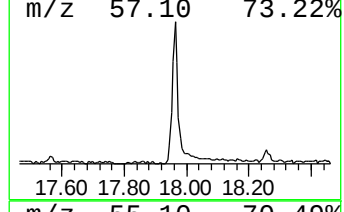
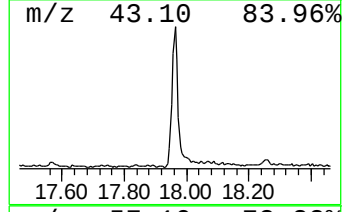
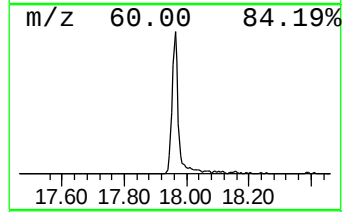
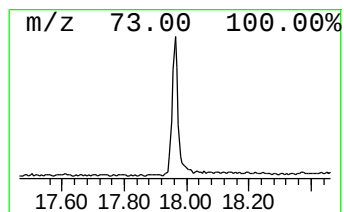
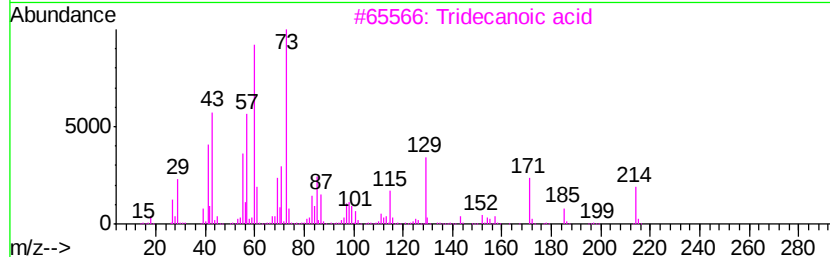
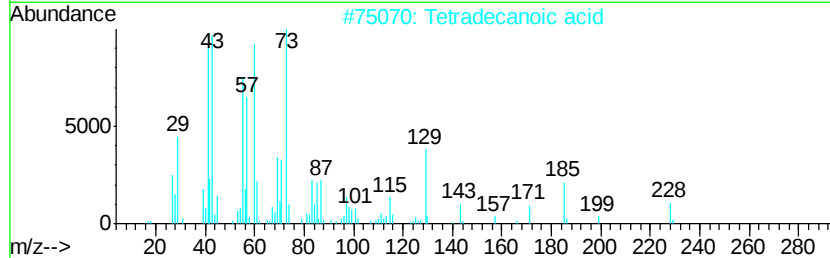
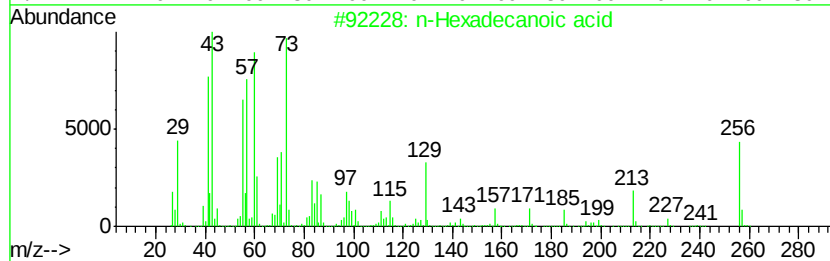
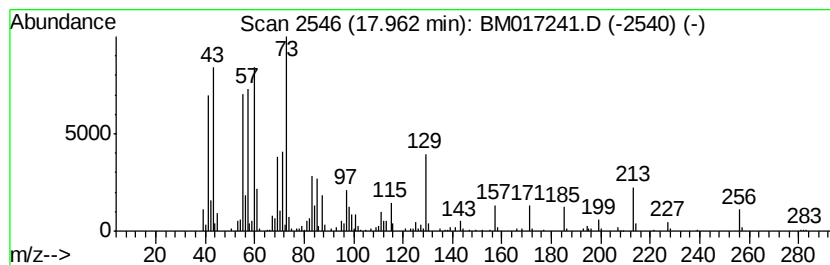
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 17.96     | 3.25 ng             | 687939 | Phenanthrene-d10 |             | 17.06 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98    |
| 2         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 80    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 80    |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 76    |
| 5         | Eicosane            | 282    | C20H42           | 000112-95-8 | 25    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
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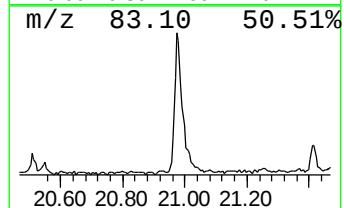
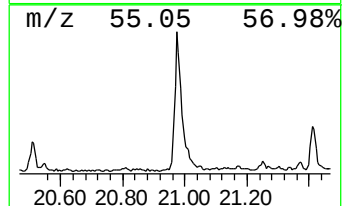
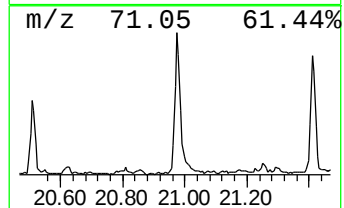
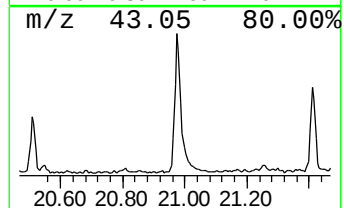
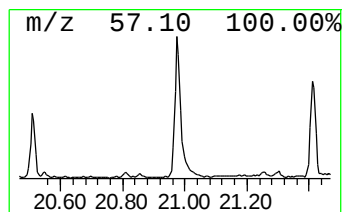
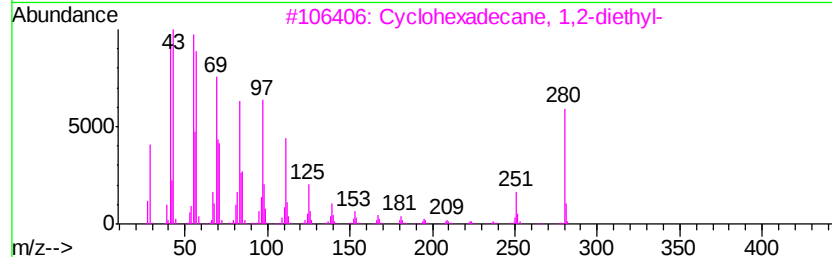
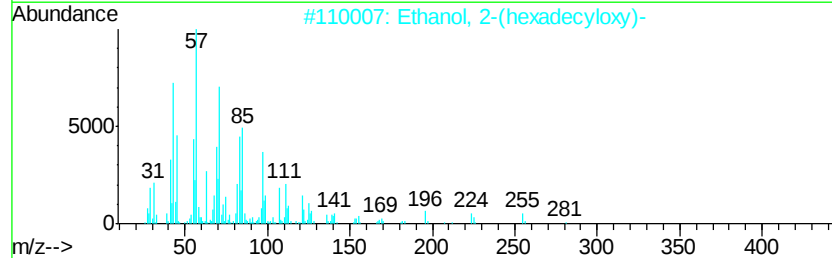
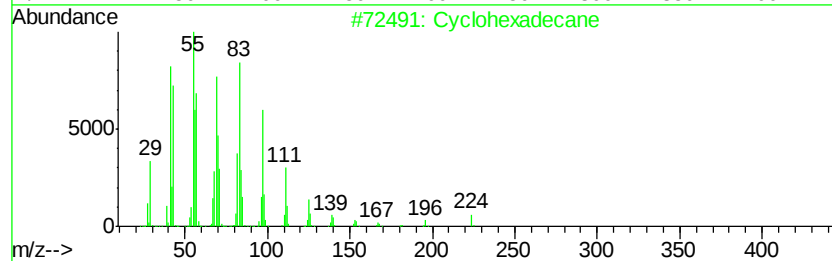
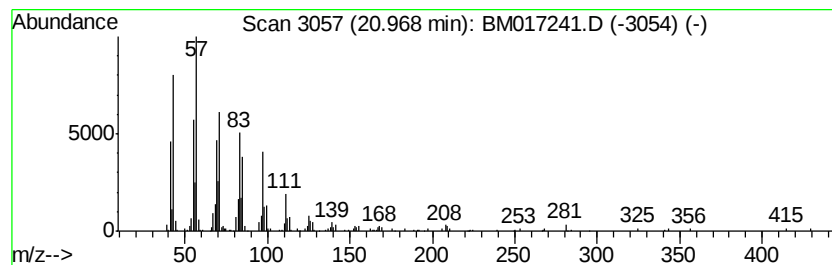
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.97 | 3.63 ng | 701594 | Chrysene-d12     | 21.25 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 91   |
| 2       |   | Ethanol, 2-(hexadecyloxy)-          | 286 | C18H38O2    | 002136-71-2  | 91   |
| 3       |   | Cyclohexadecane, 1,2-diethyl-       | 280 | C20H40      | 1000155-85-3 | 90   |
| 4       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 70   |
| 5       |   | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1  | 70   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.84  | 4.7     | ng    | 478675   | 1                     | 7.66  | 2058720 | 20.0 |
| unknown7.20          | 7.20  | 125.0   | ng    | 12861500 | 1                     | 7.66  | 2058720 | 20.0 |
| n-Hexadecanoic acid  | 17.96 | 3.3     | ng    | 687939   | 4                     | 17.06 | 4237280 | 20.0 |
| Cyclohexadecane      | 20.97 | 3.6     | ng    | 701594   | 5                     | 21.25 | 3869000 | 20.0 |