

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111018\  
 Data File : BM017599.D  
 Acq On : 09 Nov 2018 19:48  
 Operator : MJ/SJ  
 Sample : J5863-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-3263

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-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         | 4.799       | 303           | 308         | 318          | rVB      | 130775         | 189324        | 1.74%           | 0.298%        |
| 2         | 5.240       | 377           | 383         | 399          | rBV      | 3224646        | 4685022       | 42.97%          | 7.376%        |
| 3         | 6.804       | 642           | 649         | 664          | rBV      | 3347299        | 5453838       | 50.02%          | 8.586%        |
| 4         | 7.157       | 701           | 709         | 723          | rBV      | 3296338        | 5186745       | 47.57%          | 8.166%        |
| 5         | 7.616       | 781           | 787         | 796          | rBV      | 841023         | 1345887       | 12.35%          | 2.119%        |
| 6         | 7.934       | 834           | 841         | 849          | rBV      | 2426313        | 3862128       | 35.43%          | 6.080%        |
| 7         | 8.775       | 974           | 984         | 1006         | rBV      | 1820565        | 3187488       | 29.24%          | 5.018%        |
| 8         | 10.392      | 1252          | 1259        | 1278         | rBV      | 952675         | 1826833       | 16.76%          | 2.876%        |
| 9         | 12.875      | 1674          | 1681        | 1700         | rBV      | 4823323        | 7336723       | 67.30%          | 11.551%       |
| 10        | 13.745      | 1823          | 1829        | 1842         | rBV      | 136713         | 268748        | 2.47%           | 0.423%        |
| 11        | 14.263      | 1910          | 1917        | 1931         | rBV2     | 1458186        | 2429511       | 22.28%          | 3.825%        |
| 12        | 15.763      | 2165          | 2172        | 2189         | rBV      | 4021039        | 5909277       | 54.20%          | 9.303%        |
| 13        | 17.015      | 2379          | 2385        | 2404         | rBV2     | 1799696        | 3009237       | 27.60%          | 4.738%        |
| 14        | 17.927      | 2534          | 2540        | 2550         | rBV      | 314405         | 489423        | 4.49%           | 0.771%        |
| 15        | 19.215      | 2754          | 2759        | 2768         | rBV2     | 122226         | 200230        | 1.84%           | 0.315%        |
| 16        | 19.656      | 2828          | 2834        | 2847         | rBV      | 8677588        | 10902255      | 100.00%         | 17.164%       |
| 17        | 20.939      | 3048          | 3052        | 3062         | rBV2     | 249664         | 401220        | 3.68%           | 0.632%        |
| 18        | 21.215      | 3094          | 3099        | 3111         | rBV      | 2672923        | 3653459       | 33.51%          | 5.752%        |
| 19        | 23.409      | 3466          | 3472        | 3489         | rVB      | 1631163        | 3179473       | 29.16%          | 5.006%        |

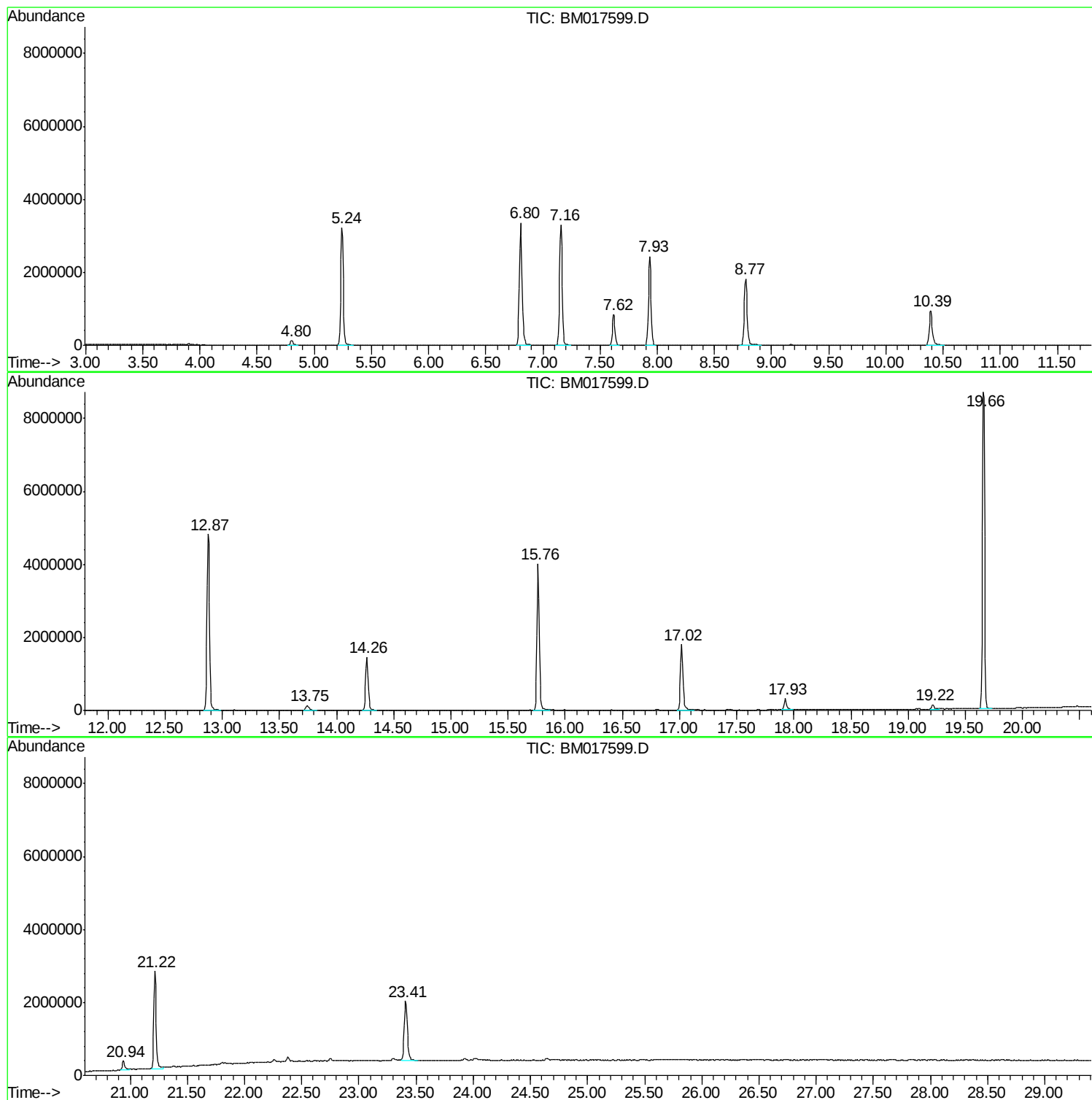
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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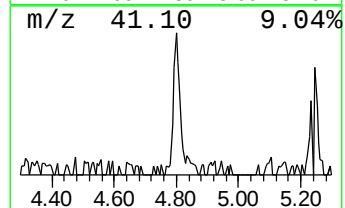
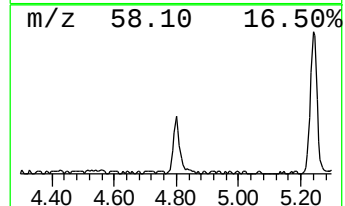
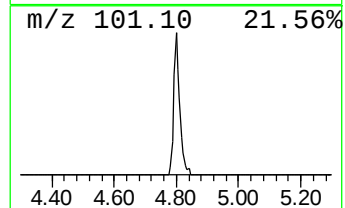
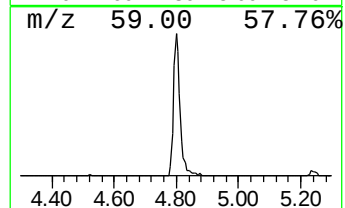
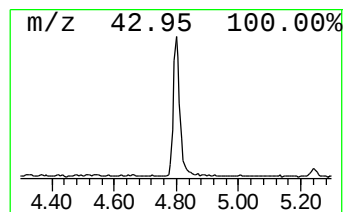
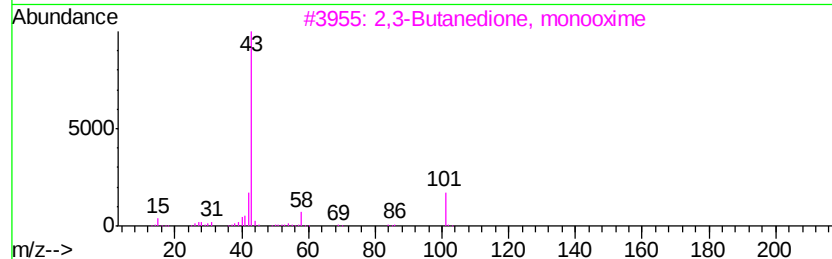
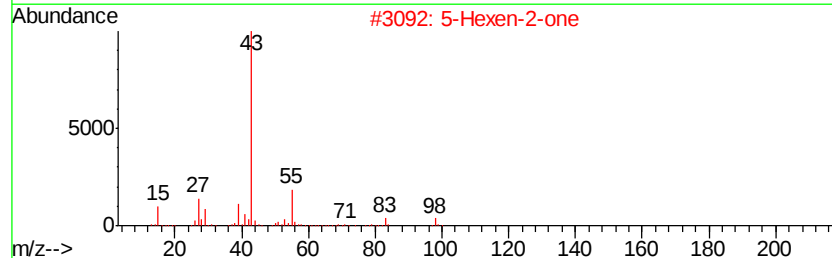
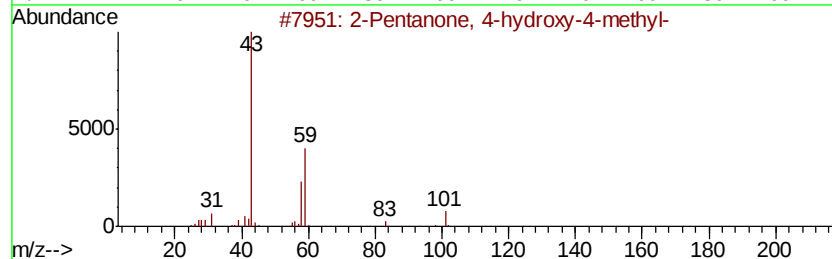
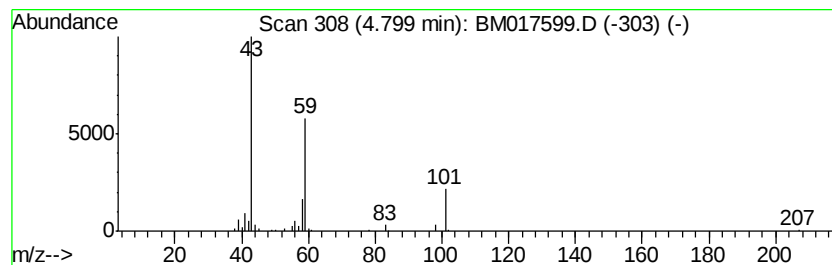
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.80 | 2.81 ng | 189324 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | 5-Hexen-2-one                    | 98  | C6H10O       | 000109-49-9 | 9       |      |      |
| 3    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |
| 4    | Acetone                          | 58  | C3H6O        | 000067-64-1 | 9       |      |      |
| 5    | 1-Propen-2-ol, acetate           | 100 | C5H8O2       | 000108-22-5 | 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

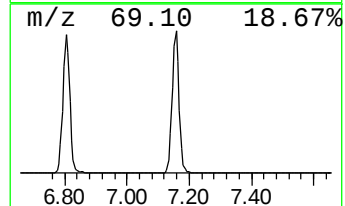
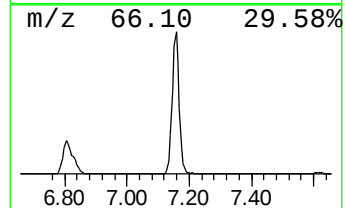
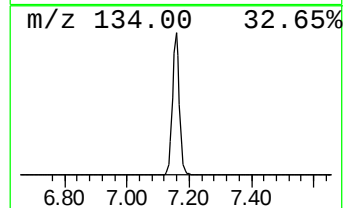
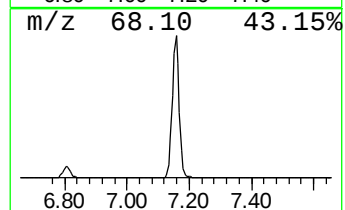
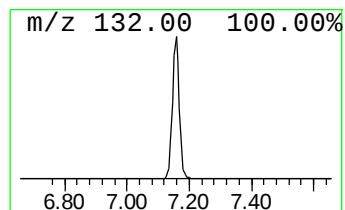
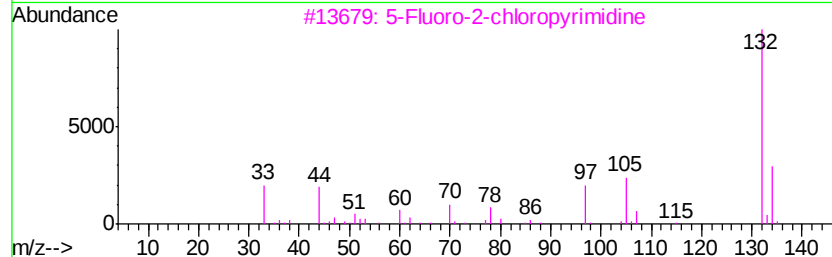
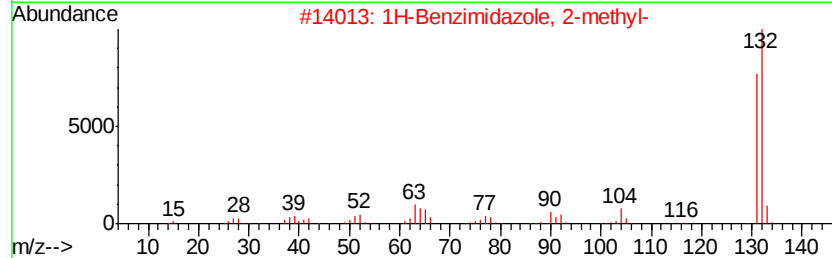
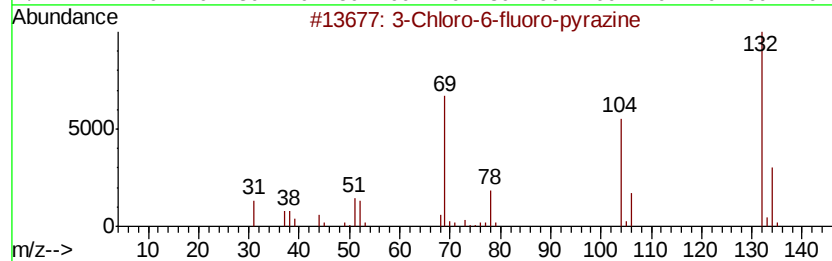
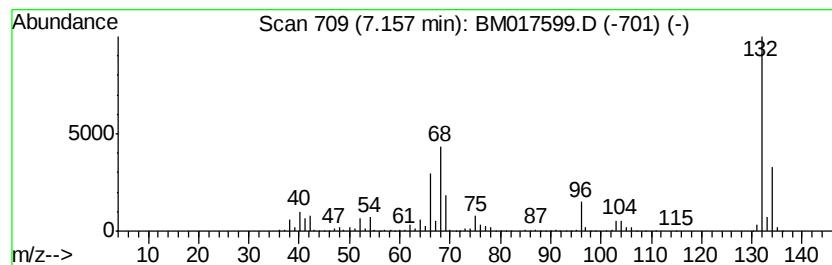
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.16 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.16 | 77.08 ng | 5186750 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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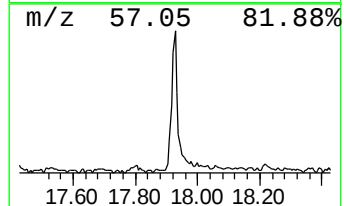
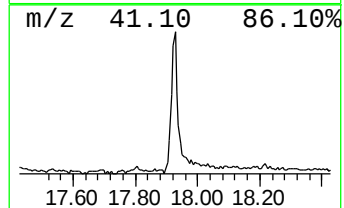
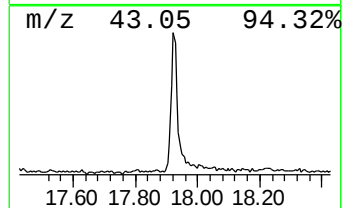
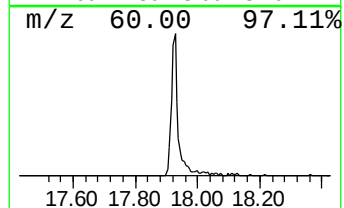
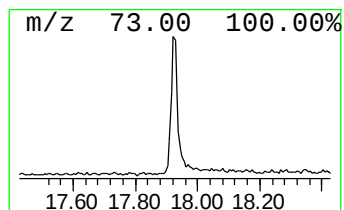
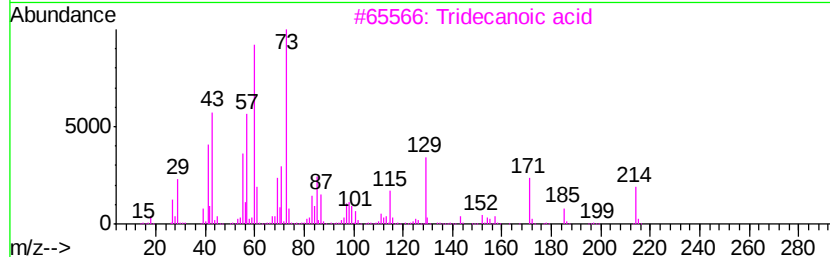
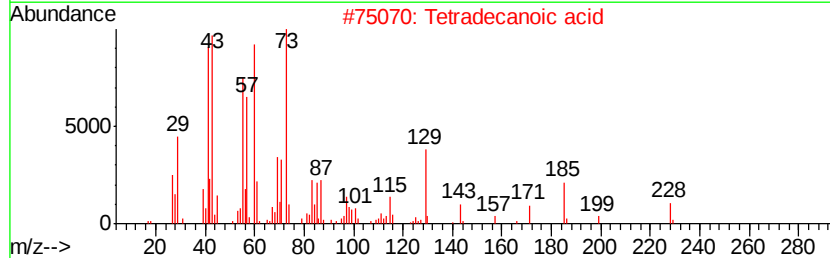
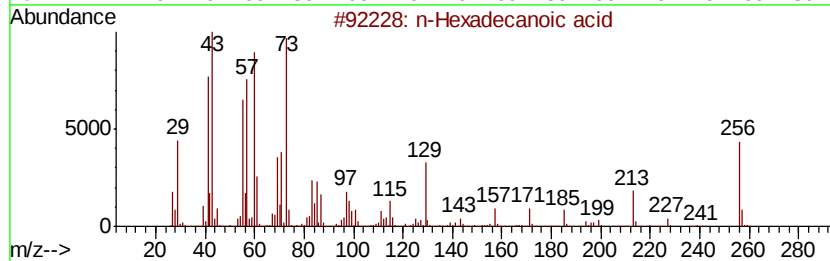
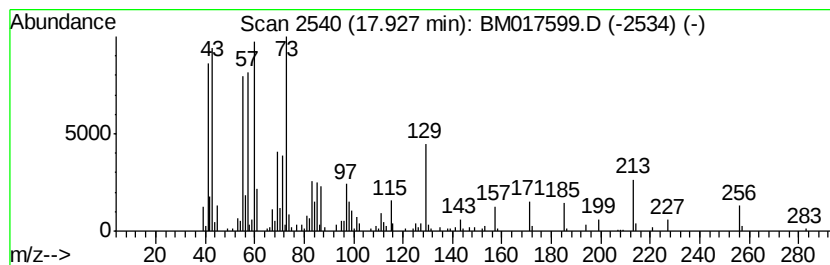
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 17.93     | 3.25 ng             | 489423 | Phenanthrene-d10 |             | 17.02 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 97    |
| 2         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 80    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 72    |
| 4         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 68    |
| 5         | Nonanoic acid       | 158    | C9H18O2          | 000112-05-0 | 27    |



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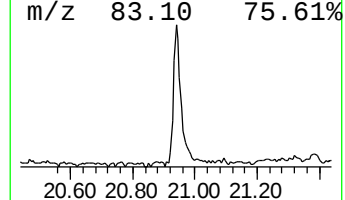
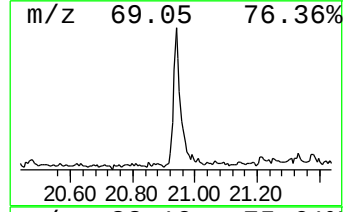
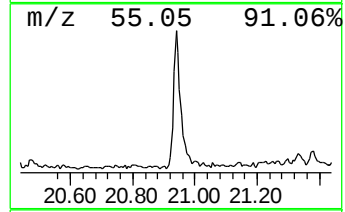
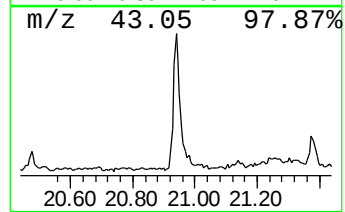
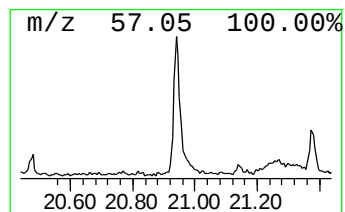
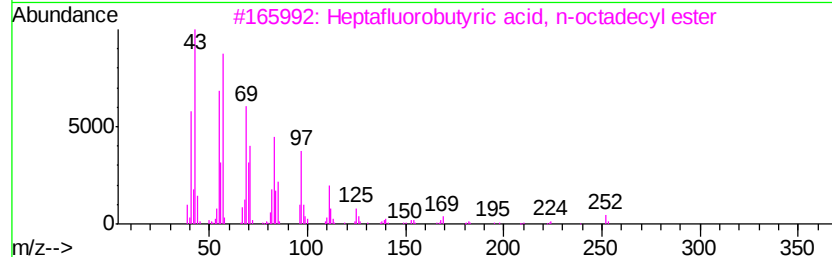
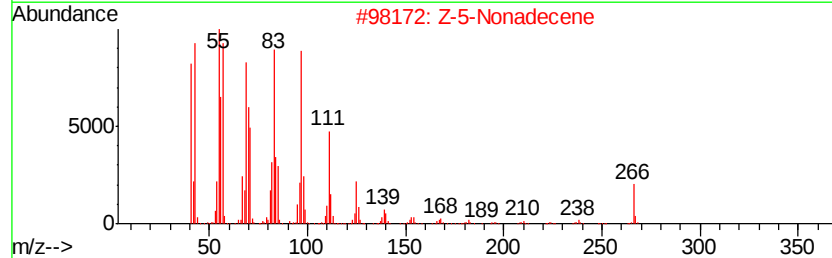
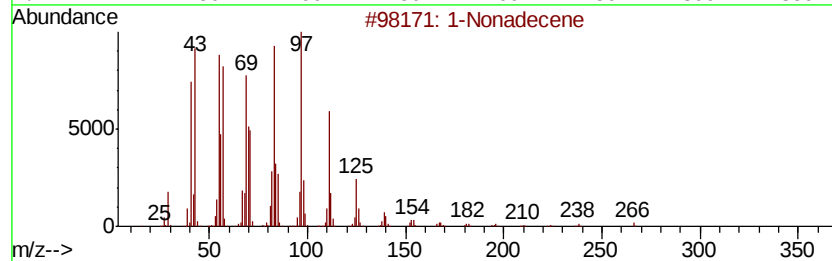
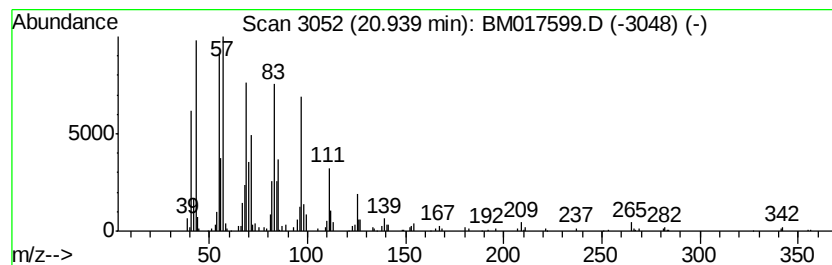
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\*\*\*\*\*  
Peak Number 5 1-Nonadecene Concentration Rank 5

| R.T.    | EstConc                             | Area            | Relative to ISTD | R.T.      |
|---------|-------------------------------------|-----------------|------------------|-----------|
| 20.94   | 2.20 ng                             | 401220          | Chrysene-d12     | 21.22     |
| Hit# of | 5                                   | Tentative ID    | MW MolForm       | CAS# Qual |
| 1       | 1-Nonadecene                        | 266 C19H38      | 018435-45-5      | 98        |
| 2       | Z-5-Nonadecene                      | 266 C19H38      | 1000131-11-8     | 95        |
| 3       | Heptafluorobutyric acid, n-octad... | 466 C22H37F7O2  | 000400-57-7      | 91        |
| 4       | Heptafluorobutyric acid, n-penta... | 424 C19H31F7O2  | 1000216-79-3     | 91        |
| 5       | Trichloroacetic acid, pentadecyl... | 372 C17H31Cl3O2 | 074339-53-0      | 91        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.80  | 2.8     | ng    | 189324   | 1                     | 7.62  | 1345890 | 20.0 |
| unknown7.16          | 7.16  | 77.1    | ng    | 5186750  | 1                     | 7.62  | 1345890 | 20.0 |
| n-Hexadecanoic acid  | 17.93 | 3.3     | ng    | 489423   | 4                     | 17.02 | 3009240 | 20.0 |
| 1-Nonadecene         | 20.94 | 2.2     | ng    | 401220   | 5                     | 21.22 | 3653460 | 20.0 |