

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041719\  
 Data File : BM019952.D  
 Acq On : 17 Apr 2019 23:32  
 Operator : JU/SJ  
 Sample : K2422-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP1-S

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-BM041519.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         | 5.140       | 360           | 366         | 384          | rBV      | 2594552        | 3845941       | 74.76%          | 9.386%        |
| 2         | 6.722       | 628           | 635         | 655          | rBV      | 2442490        | 4023794       | 78.21%          | 9.821%        |
| 3         | 7.063       | 686           | 693         | 713          | rBV      | 2770521        | 4300573       | 83.59%          | 10.496%       |
| 4         | 7.528       | 765           | 772         | 782          | rBV      | 605547         | 948571        | 18.44%          | 2.315%        |
| 5         | 7.840       | 818           | 825         | 838          | rBV      | 2003921        | 3114338       | 60.54%          | 7.601%        |
| 6         | 8.705       | 964           | 972         | 1001         | rBV      | 1218384        | 2362789       | 45.93%          | 5.767%        |
| 7         | 10.304      | 1236          | 1244        | 1266         | rBV      | 613360         | 1199954       | 23.32%          | 2.929%        |
| 8         | 12.798      | 1661          | 1668        | 1682         | rBV      | 3160528        | 4798054       | 93.26%          | 11.710%       |
| 9         | 13.069      | 1707          | 1714        | 1720         | rVB      | 32434          | 54459         | 1.06%           | 0.133%        |
| 10        | 13.669      | 1810          | 1816        | 1833         | rBV      | 384418         | 684168        | 13.30%          | 1.670%        |
| 11        | 14.192      | 1899          | 1905        | 1920         | rBV2     | 893519         | 1328857       | 25.83%          | 3.243%        |
| 12        | 15.704      | 2156          | 2162        | 2178         | rBV      | 2032883        | 3147024       | 61.17%          | 7.681%        |
| 13        | 16.957      | 2369          | 2375        | 2392         | rBV2     | 818421         | 1339812       | 26.04%          | 3.270%        |
| 14        | 17.851      | 2522          | 2527        | 2541         | rBV      | 170841         | 329910        | 6.41%           | 0.805%        |
| 15        | 19.145      | 2742          | 2747        | 2760         | rBV2     | 79388          | 170182        | 3.31%           | 0.415%        |
| 16        | 19.604      | 2819          | 2825        | 2837         | rBV      | 4363237        | 5144685       | 100.00%         | 12.556%       |
| 17        | 20.868      | 3035          | 3040        | 3050         | rBV      | 488103         | 698144        | 13.57%          | 1.704%        |
| 18        | 21.168      | 3087          | 3091        | 3101         | rBV      | 1084202        | 1566535       | 30.45%          | 3.823%        |
| 19        | 21.721      | 3182          | 3185        | 3188         | rBV      | 78286          | 94453         | 1.84%           | 0.231%        |
| 20        | 23.368      | 3458          | 3465        | 3476         | rVB      | 929346         | 1820916       | 35.39%          | 4.444%        |

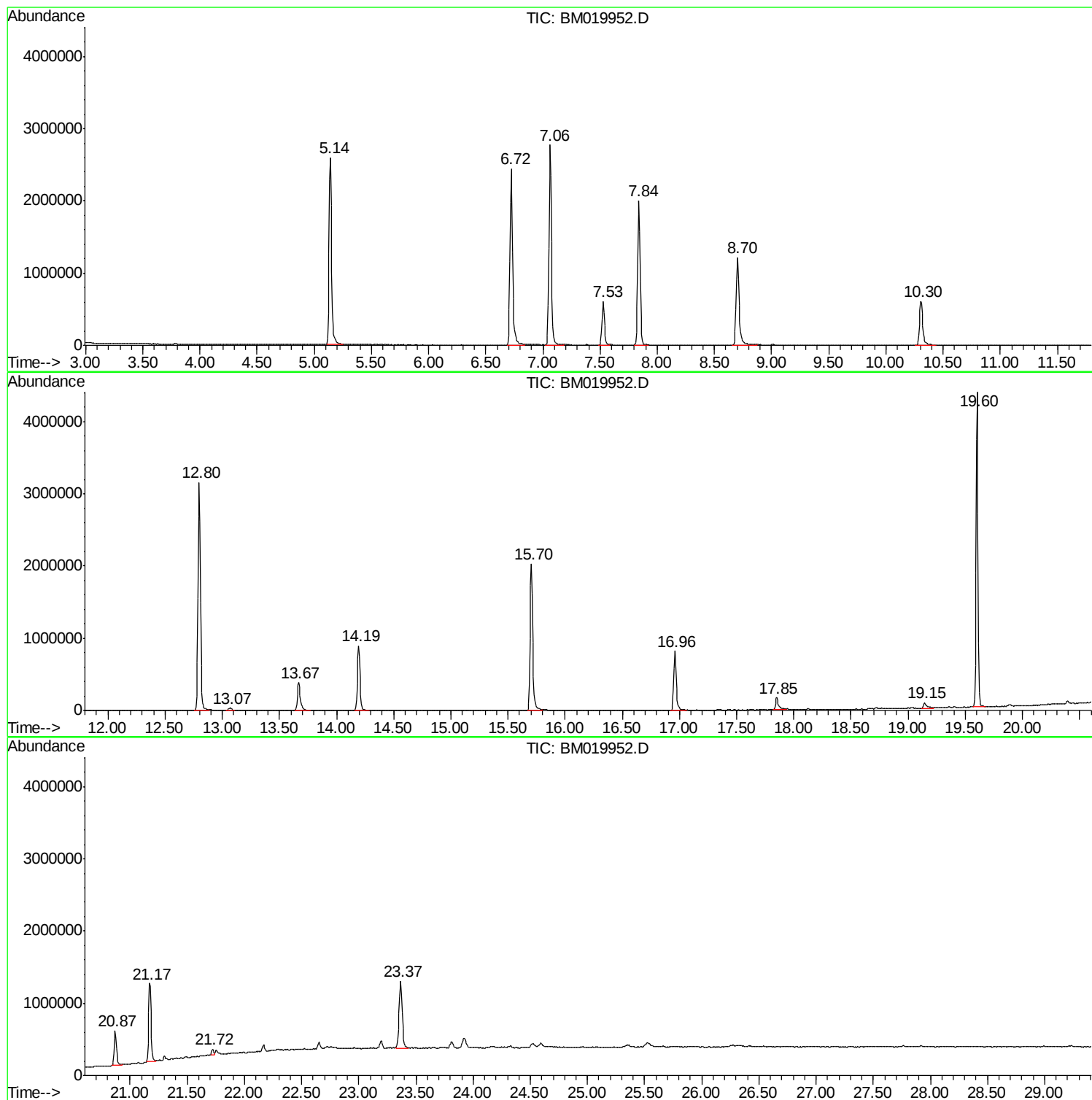
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TP1-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.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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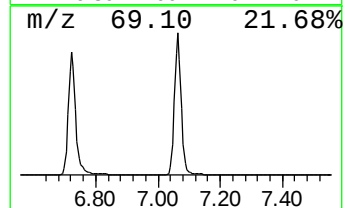
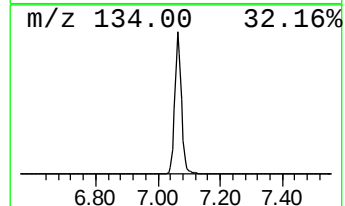
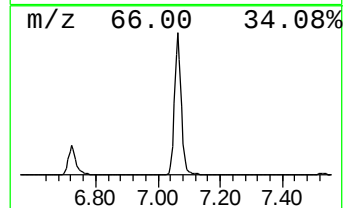
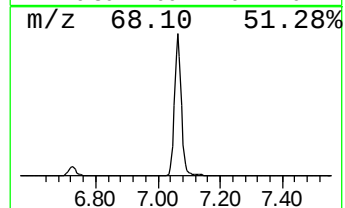
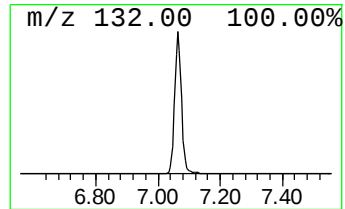
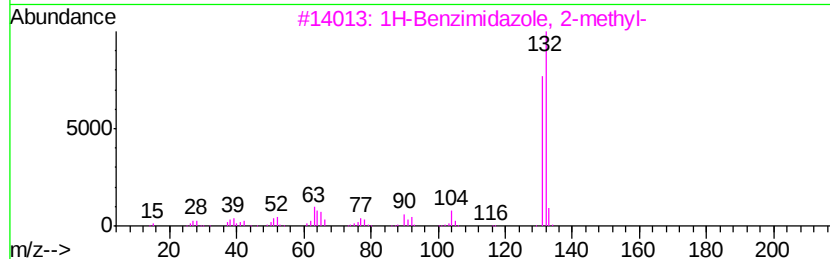
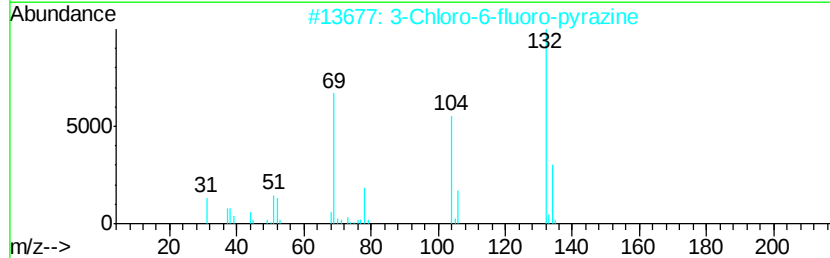
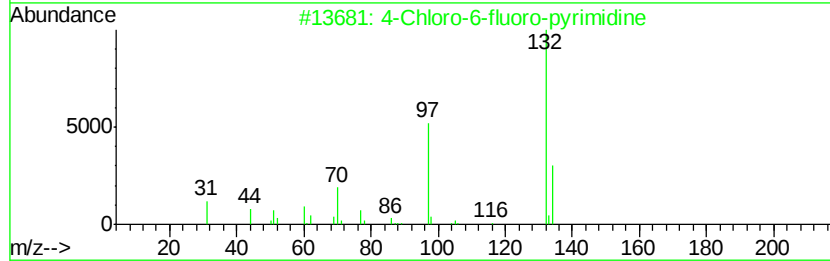
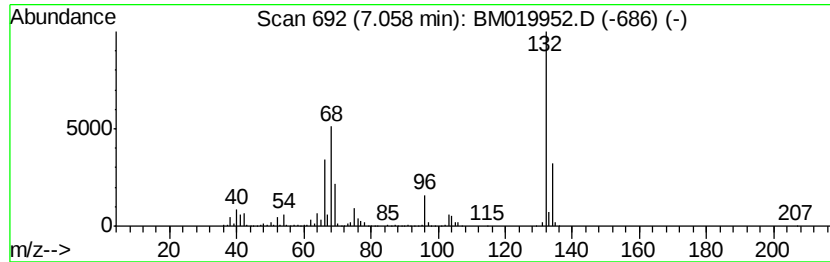
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown7.06 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.06 | 90.67 ng | 4300570 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine       | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine         | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-        | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2    | 034760-58-2  | 22   |
| 5    |    | 5-Fluoro-2-chloropyrimidine        | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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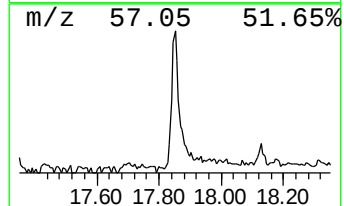
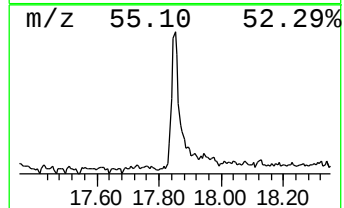
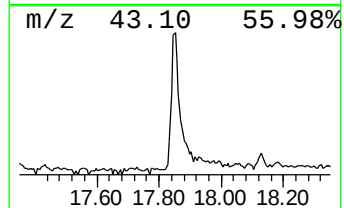
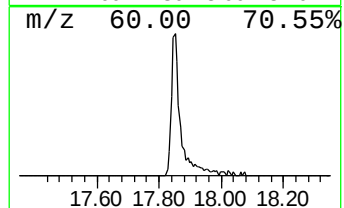
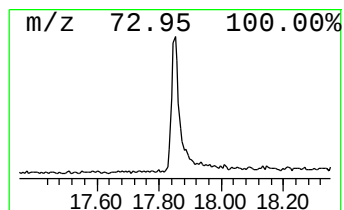
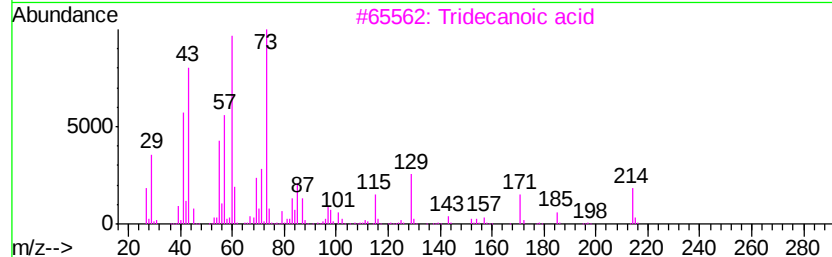
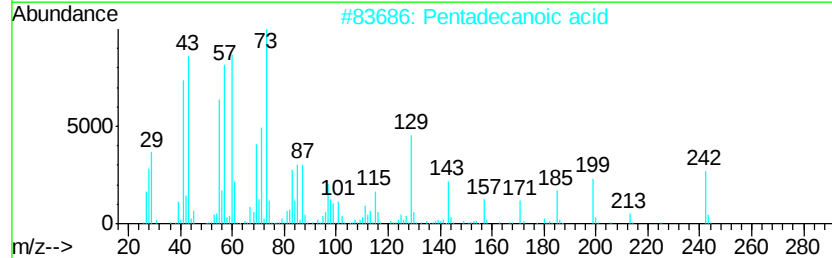
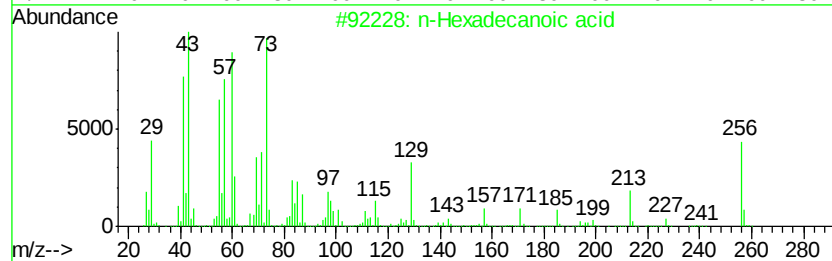
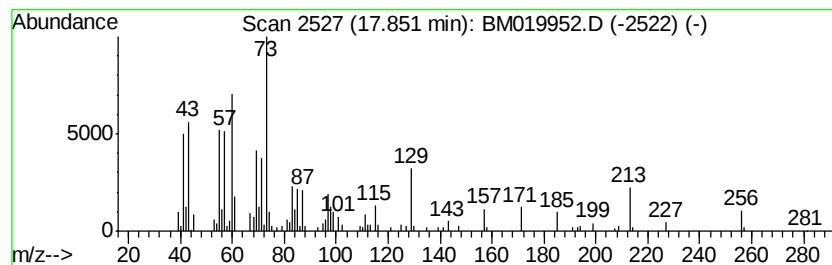
Instrument :  
BNA\_M  
ClientSampleId :  
TP1-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.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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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 17.85     | 4.92 ng             | 329910 | Phenanthrene-d10 |             | 16.96 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98    |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 64    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 47    |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 47    |
| 5         | Nonanoic acid       | 158    | C9H18O2          | 000112-05-0 | 22    |



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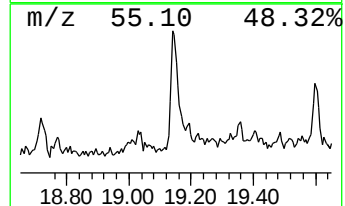
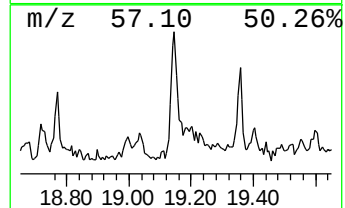
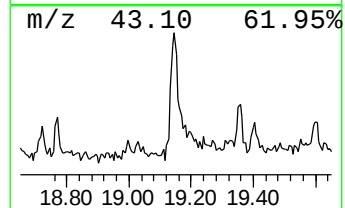
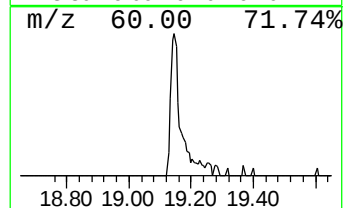
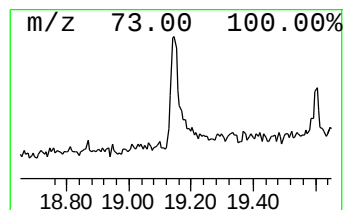
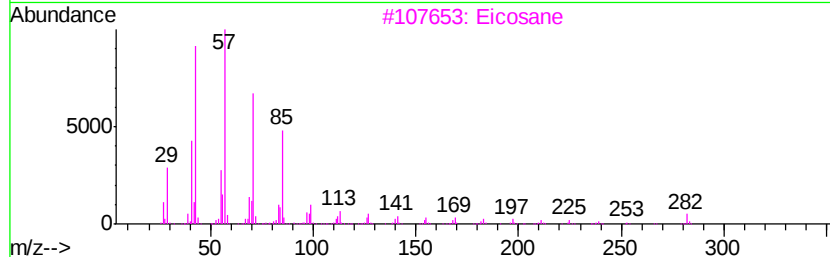
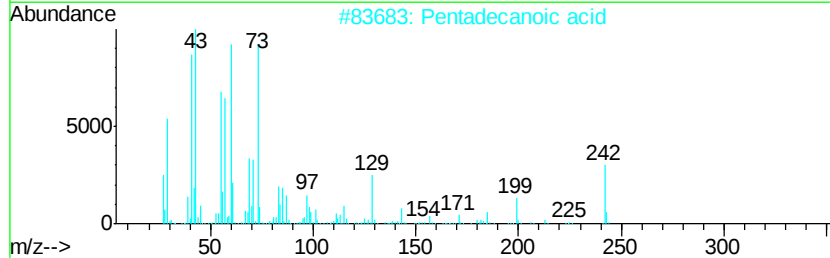
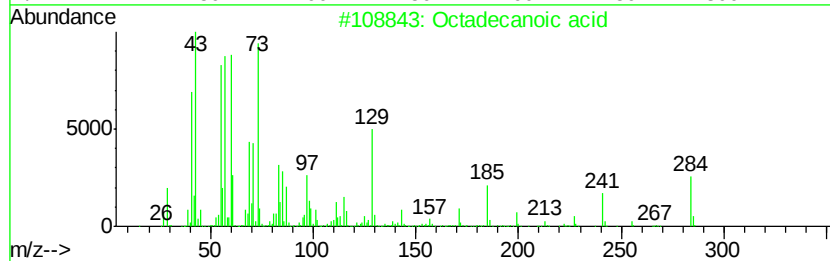
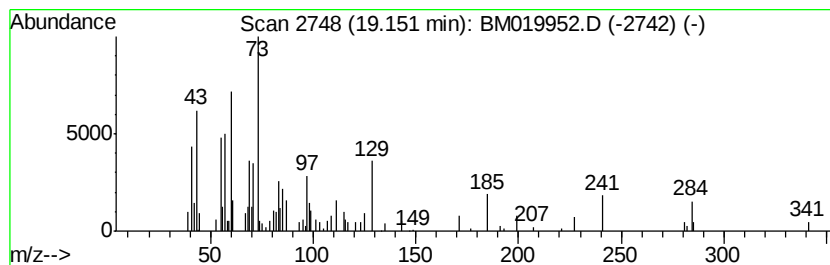
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.15 | 2.17 ng | 170182 | Chrysene-d12     | 21.17 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|---------|---|-----------------------------|-----|-------------|-------------|------|
| 1       |   | Octadecanoic acid           | 284 | C18H36O2    | 000057-11-4 | 96   |
| 2       |   | Pentadecanoic acid          | 242 | C15H30O2    | 001002-84-2 | 68   |
| 3       |   | Eicosane                    | 282 | C20H42      | 000112-95-8 | 25   |
| 4       |   | 17-Pentatriacontene         | 491 | C35H70      | 006971-40-0 | 11   |
| 5       |   | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 11   |



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 BNA\_M  
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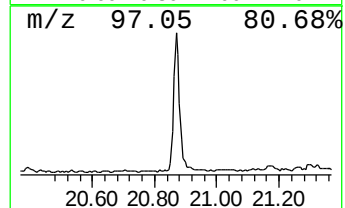
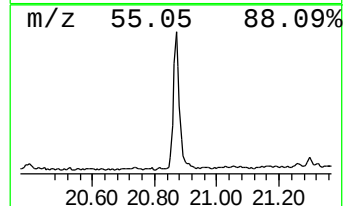
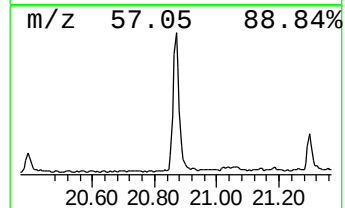
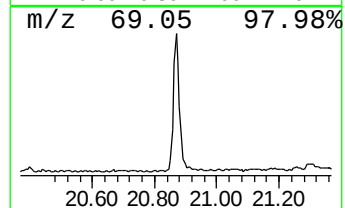
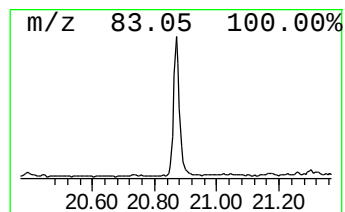
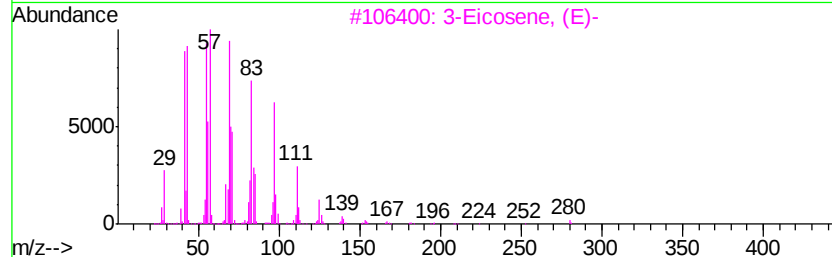
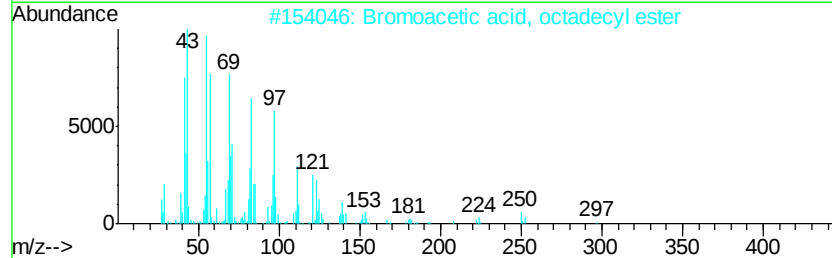
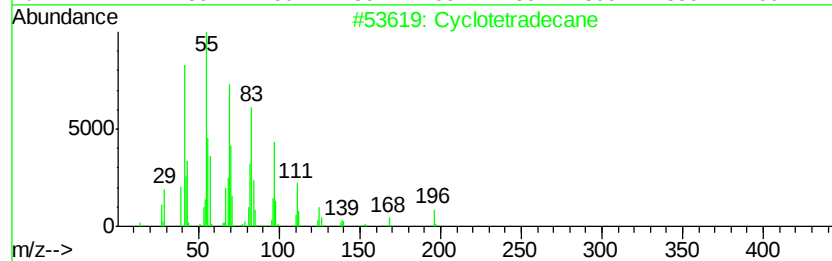
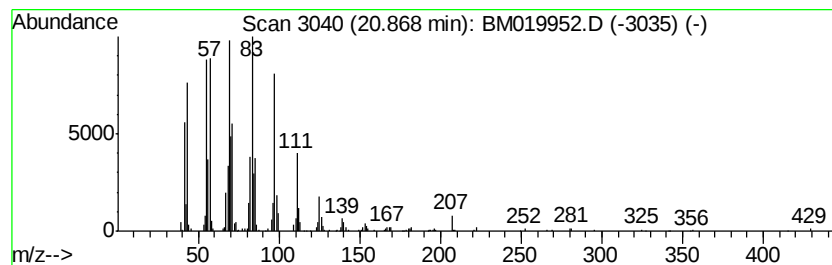
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 TIC Integration Parameters: LSCINT.P

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 Peak Number 5 Cyclotetradecane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.87 | 8.91 ng | 698144 | Chrysene-d12     | 21.17 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | Cyclotetradecane                    | 196 | C14H28      | 000295-17-0 | 94   |
| 2       |   | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5 | 91   |
| 3       |   | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 91   |
| 4       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 5       |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown7.06         | 7.06  | 90.7    | ng    | 4300570  | 1                     | 7.53  | 948571  | 20.0 |
| n-Hexadecanoic acid | 17.85 | 4.9     | ng    | 329910   | 4                     | 16.96 | 1339810 | 20.0 |
| Octadecanoic acid   | 19.15 | 2.2     | ng    | 170182   | 5                     | 21.17 | 1566540 | 20.0 |
| Cyclotetradecane    | 20.87 | 8.9     | ng    | 698144   | 5                     | 21.17 | 1566540 | 20.0 |