

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073117\  
 Data File : BM011067.D  
 Acq On : 31 Jul 2017 14:42  
 Operator : SJ/JU  
 Sample : I4476-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-LENOX-AVE

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:\HPCHEM1\BNA\_M\METHODS\8270-BM072617.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         | 4.581       | 300           | 305         | 312          | rBV      | 187512         | 249529        | 3.13%           | 0.472%        |
| 2         | 5.022       | 374           | 380         | 389          | rBV      | 3057875        | 4086537       | 51.21%          | 7.734%        |
| 3         | 6.581       | 638           | 645         | 659          | rBV      | 3023416        | 4704081       | 58.95%          | 8.903%        |
| 4         | 6.922       | 695           | 703         | 716          | rBV      | 3022195        | 4436755       | 55.60%          | 8.397%        |
| 5         | 7.381       | 775           | 781         | 790          | rVB      | 817666         | 1228048       | 15.39%          | 2.324%        |
| 6         | 7.698       | 827           | 835         | 845          | rBV      | 1966440        | 3071645       | 38.49%          | 5.814%        |
| 7         | 8.528       | 970           | 976         | 986          | rVB      | 1914524        | 2962779       | 37.13%          | 5.608%        |
| 8         | 10.139      | 1243          | 1250        | 1258         | rVB      | 936705         | 1521695       | 19.07%          | 2.880%        |
| 9         | 12.651      | 1670          | 1677        | 1686         | rVB      | 4044774        | 5838592       | 73.16%          | 11.050%       |
| 10        | 13.510      | 1817          | 1823        | 1832         | rBV      | 833340         | 1123255       | 14.08%          | 2.126%        |
| 11        | 14.039      | 1906          | 1913        | 1922         | rVB2     | 1386570        | 2066334       | 25.89%          | 3.911%        |
| 12        | 15.545      | 2162          | 2169        | 2177         | rBV      | 3987073        | 5597318       | 70.14%          | 10.594%       |
| 13        | 16.798      | 2375          | 2382        | 2389         | rBV2     | 1937995        | 2589670       | 32.45%          | 4.901%        |
| 14        | 17.727      | 2535          | 2540        | 2547         | rBV      | 287833         | 392028        | 4.91%           | 0.742%        |
| 15        | 19.027      | 2753          | 2761        | 2766         | rBV3     | 171120         | 250597        | 3.14%           | 0.474%        |
| 16        | 19.462      | 2829          | 2835        | 2843         | rBV      | 6828999        | 7980164       | 100.00%         | 15.104%       |
| 17        | 21.015      | 3094          | 3099        | 3106         | rBV      | 2155223        | 2669376       | 33.45%          | 5.052%        |
| 18        | 23.127      | 3452          | 3458        | 3465         | rVB      | 1197248        | 2067163       | 25.90%          | 3.912%        |

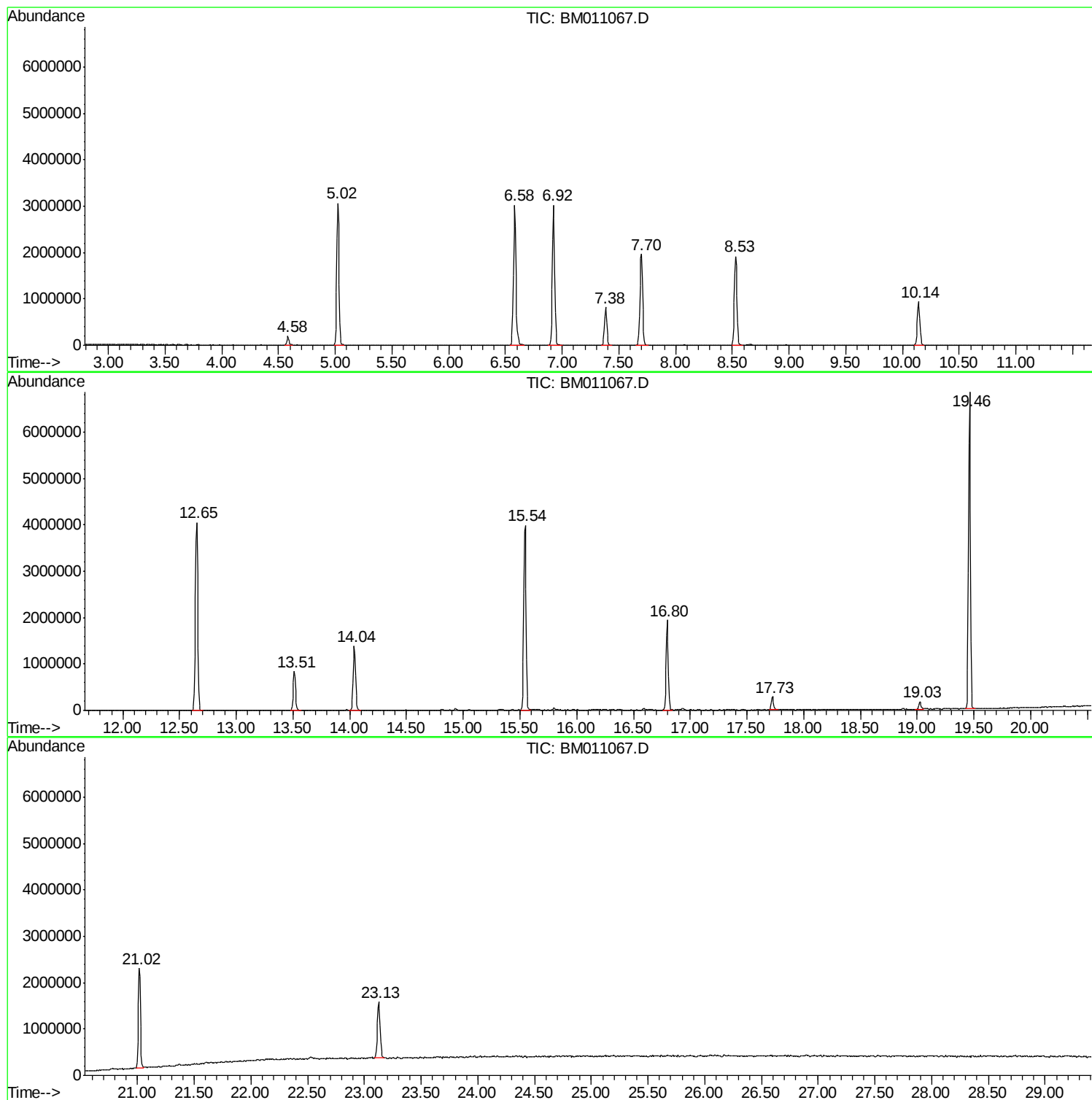
Sum of corrected areas: 52835566

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.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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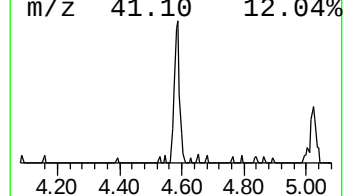
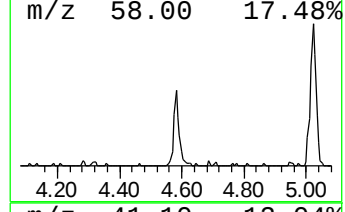
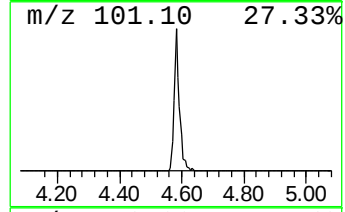
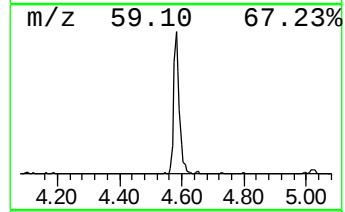
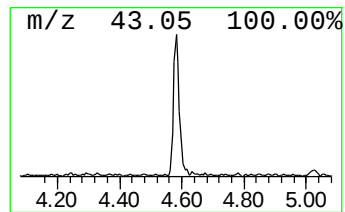
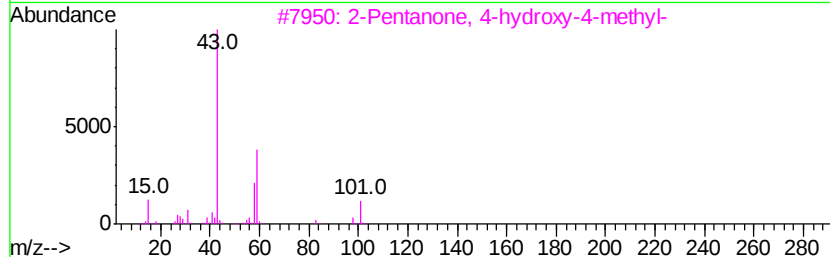
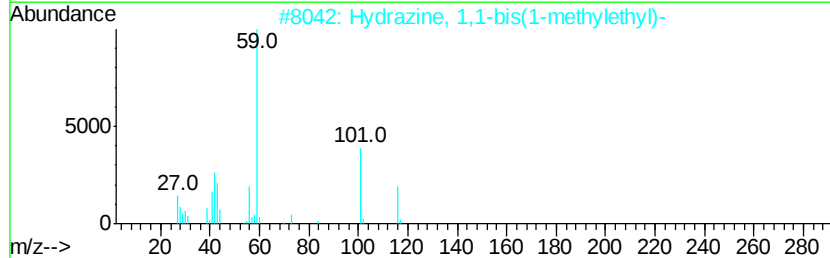
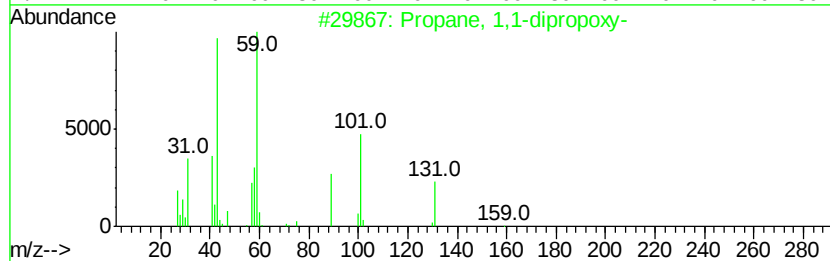
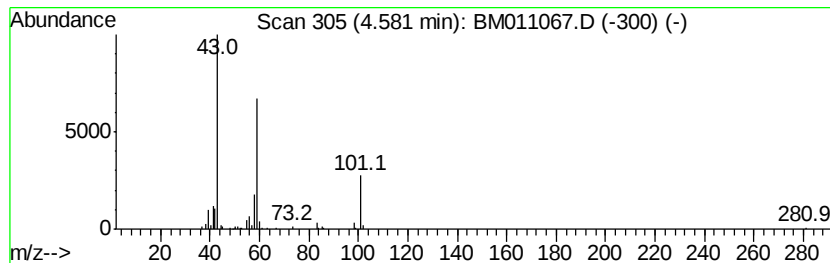
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane, 1,1-dipropoxy- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.58 | 4.06 ng | 249529 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 1,1-dipropoxy-            | 160 | C9H20O2 | 004744-11-0 | 64   |
| 2    |    | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 40   |
| 3    |    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 36   |
| 4    |    | 4-Ethyl-3-octanol                  | 158 | C10H22O | 019781-26-1 | 35   |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 32   |



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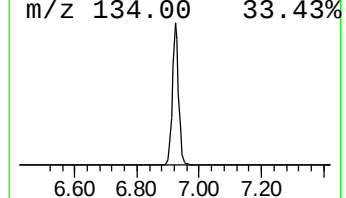
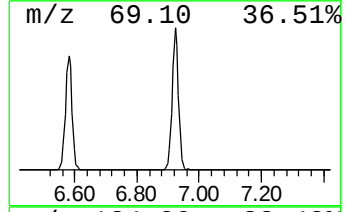
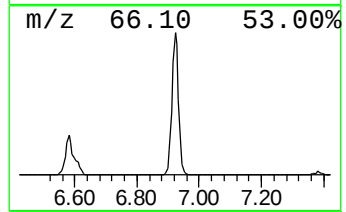
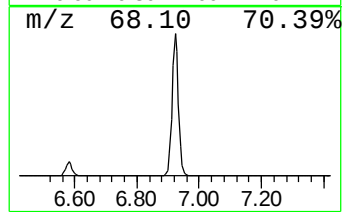
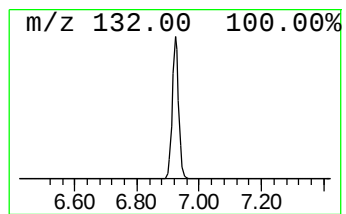
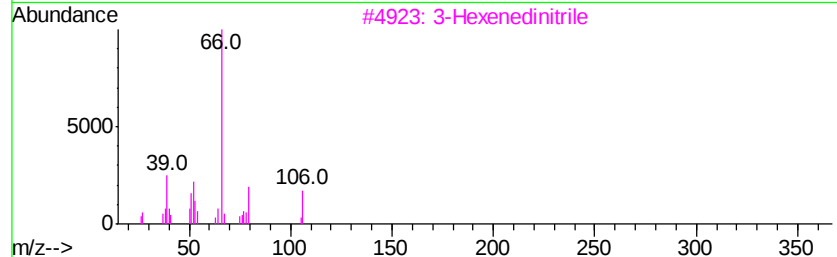
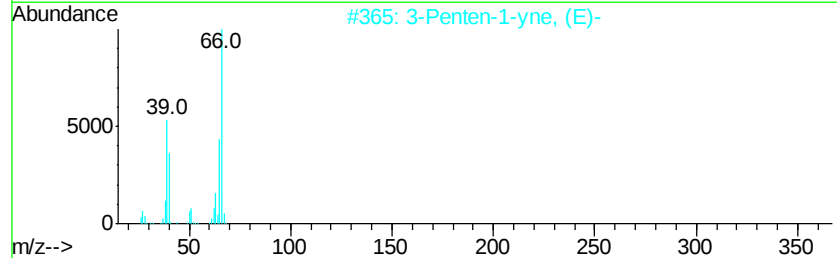
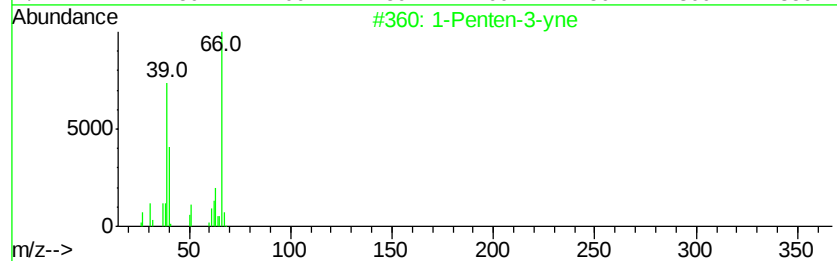
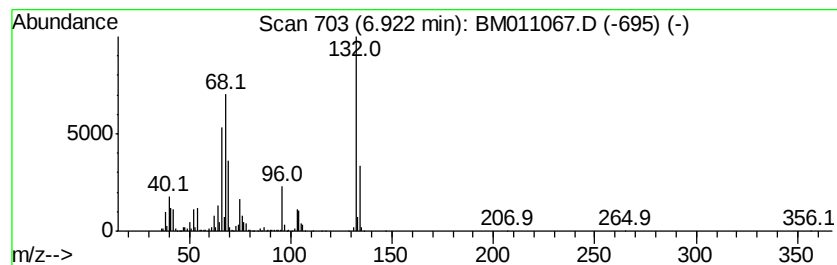
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Peak Number 2 unknown6.92 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.92 | 72.26 ng | 4436760 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 1-Penten-3-yne                      | 66  | C5H6      | 000646-05-9 | 38   |
| 2    |    | 3-Penten-1-yne, (E)-                | 66  | C5H6      | 002004-69-5 | 35   |
| 3    |    | 3-Hexenedinitrile                   | 106 | C6H6N2    | 001119-85-3 | 35   |
| 4    |    | Silane, bicyclo[2.2.1]hept-5-en-... | 226 | C7H9Cl3Si | 014319-64-3 | 25   |
| 5    |    | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1 | 25   |



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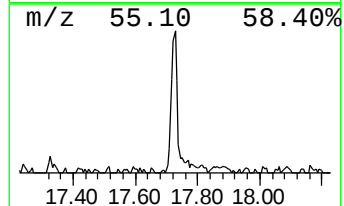
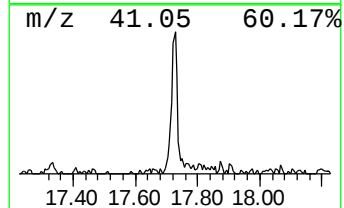
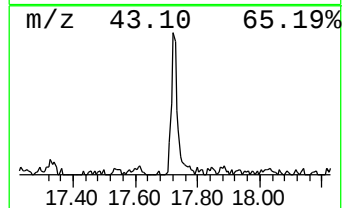
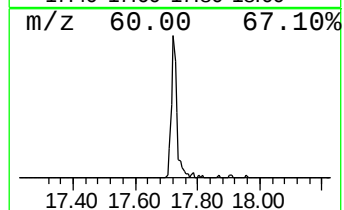
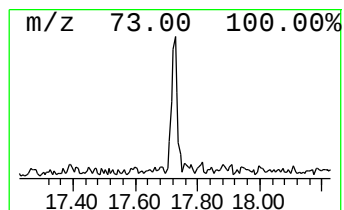
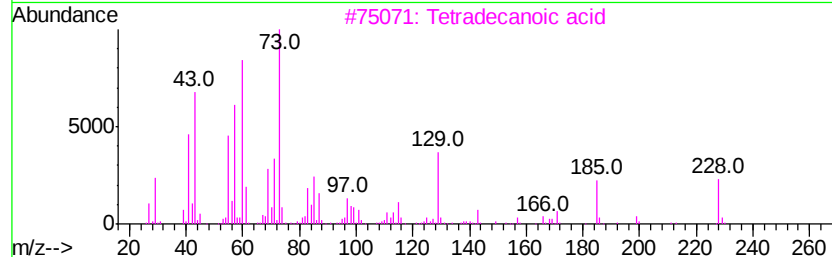
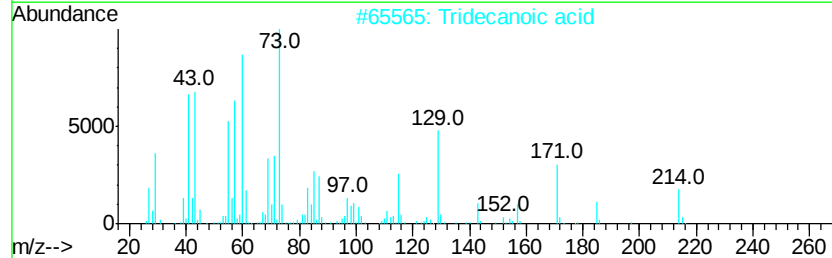
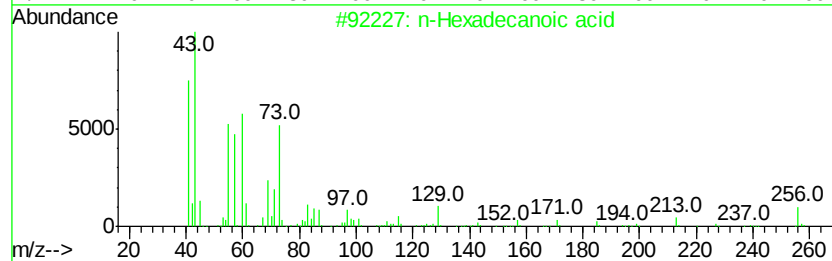
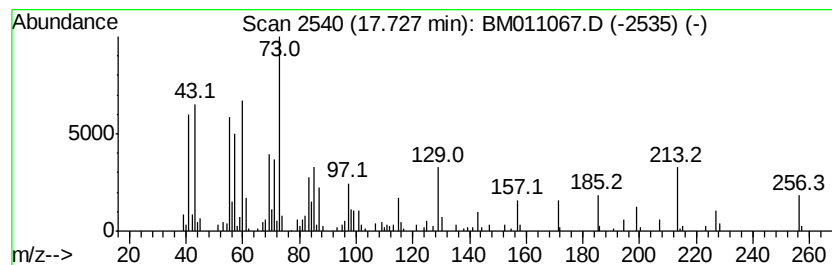
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.73 | 3.03 ng | 392028 | Phenanthrene-d10 | 16.80 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 60   |
| 3    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 60   |
| 4    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 53   |
| 5    |    | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 50   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane, 1,1-dipr... | 4.58  | 4.1     | ng    | 249529   | 1                     | 7.38  | 1228050 | 20.0 |
| unknown6.92          | 6.92  | 72.3    | ng    | 4436760  | 1                     | 7.38  | 1228050 | 20.0 |
| n-Hexadecanoic acid  | 17.73 | 3.0     | ng    | 392028   | 4                     | 16.80 | 2589670 | 20.0 |