

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090320\  
 Data File : BM027320.D  
 Acq On : 03 Sep 2020 16:51  
 Operator : JU/CG  
 Sample : L3840-17  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\SOM-EPA-BM082520MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.140    | 22         | 26       | 33        | rVB   | 49661       | 64175      | 1.71%        | 0.155%     |
| 2      | 3.410    | 70         | 72       | 79        | rBV3  | 9742        | 17837      | 0.48%        | 0.043%     |
| 3      | 3.763    | 128        | 132      | 137       | rVB   | 10656       | 16171      | 0.43%        | 0.039%     |
| 4      | 3.851    | 144        | 147      | 152       | rVB3  | 8330        | 10592      | 0.28%        | 0.026%     |
| 5      | 4.740    | 295        | 298      | 306       | rBV2  | 6421        | 10321      | 0.28%        | 0.025%     |
| 6      | 6.757    | 635        | 641      | 655       | rBV   | 749971      | 1221472    | 32.58%       | 2.943%     |
| 7      | 6.922    | 662        | 669      | 681       | rVB   | 601851      | 915051     | 24.40%       | 2.205%     |
| 8      | 7.116    | 695        | 702      | 711       | rBV   | 844336      | 1306844    | 34.85%       | 3.149%     |
| 9      | 7.192    | 711        | 715      | 729       | rVV   | 75233       | 135335     | 3.61%        | 0.326%     |
| 10     | 7.386    | 743        | 748      | 754       | rVB6  | 2686        | 4810       | 0.13%        | 0.012%     |
| 11     | 7.575    | 773        | 780      | 788       | rBV   | 572574      | 866244     | 23.10%       | 2.087%     |
| 12     | 7.651    | 790        | 793      | 798       | rVB4  | 4639        | 5237       | 0.14%        | 0.013%     |
| 13     | 8.286    | 894        | 901      | 916       | rBV   | 953649      | 1497464    | 39.94%       | 3.608%     |
| 14     | 8.716    | 968        | 974      | 986       | rBV   | 745297      | 1227513    | 32.74%       | 2.958%     |
| 15     | 9.433    | 1089       | 1096     | 1109      | rBV   | 660695      | 1083884    | 28.91%       | 2.612%     |
| 16     | 9.975    | 1180       | 1188     | 1206      | rBV   | 994659      | 1687473    | 45.01%       | 4.066%     |
| 17     | 10.345   | 1244       | 1251     | 1260      | rBV   | 685314      | 1102195    | 29.40%       | 2.656%     |
| 18     | 10.480   | 1267       | 1274     | 1290      | rBV   | 898386      | 1530575    | 40.82%       | 3.688%     |
| 19     | 11.945   | 1518       | 1523     | 1530      | rBV   | 10915       | 18885      | 0.50%        | 0.046%     |
| 20     | 13.133   | 1721       | 1725     | 1730      | rVB3  | 10956       | 16517      | 0.44%        | 0.040%     |
| 21     | 13.633   | 1802       | 1810     | 1815      | rBV   | 1722421     | 2344713    | 62.53%       | 5.650%     |
| 22     | 13.680   | 1815       | 1818     | 1827      | rVB   | 657775      | 839360     | 22.39%       | 2.022%     |
| 23     | 13.904   | 1849       | 1856     | 1867      | rBV   | 1921210     | 2668865    | 71.18%       | 6.431%     |
| 24     | 14.215   | 1902       | 1909     | 1922      | rVB2  | 1066642     | 1514457    | 40.39%       | 3.649%     |
| 25     | 14.421   | 1937       | 1944     | 1962      | rBV   | 429497      | 701574     | 18.71%       | 1.690%     |
| 26     | 14.668   | 1982       | 1986     | 1993      | rVB5  | 3207        | 6524       | 0.17%        | 0.016%     |
| 27     | 15.215   | 2072       | 2079     | 2094      | rBV   | 2341248     | 3217817    | 85.82%       | 7.753%     |
| 28     | 15.339   | 2094       | 2100     | 2112      | rVV   | 480715      | 686697     | 18.31%       | 1.655%     |
| 29     | 15.451   | 2114       | 2119     | 2125      | rVB2  | 25263       | 38885      | 1.04%        | 0.094%     |
| 30     | 16.004   | 2209       | 2213     | 2222      | rVB5  | 8391        | 14214      | 0.38%        | 0.034%     |
| 31     | 16.645   | 2316       | 2322     | 2327      | rBV6  | 4554        | 5967       | 0.16%        | 0.014%     |
| 32     | 16.751   | 2336       | 2340     | 2345      | rBV2  | 4487        | 6135       | 0.16%        | 0.015%     |
| 33     | 16.962   | 2370       | 2376     | 2382      | rBV   | 1220714     | 1683393    | 44.90%       | 4.056%     |
| 34     | 17.062   | 2386       | 2393     | 2409      | rVV   | 2354926     | 3328162    | 88.76%       | 8.019%     |

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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 17.886 | 2527 | 2533 | 2541 | rBV  | 222479  | 336478  | 8.97%   | 0.811% |
| 36 | 18.403 | 2616 | 2621 | 2622 | rBV5 | 3433    | 5786    | 0.15%   | 0.014% |
| 37 | 18.997 | 2718 | 2722 | 2724 | rBV  | 21964   | 30401   | 0.81%   | 0.073% |
| 38 | 19.027 | 2724 | 2727 | 2732 | rVB3 | 13972   | 19196   | 0.51%   | 0.046% |
| 39 | 19.174 | 2748 | 2752 | 2761 | rBV  | 96201   | 140245  | 3.74%   | 0.338% |
| 40 | 19.245 | 2761 | 2764 | 2770 | rVB  | 25340   | 39152   | 1.04%   | 0.094% |
| 41 | 19.362 | 2778 | 2784 | 2796 | rBV  | 2884604 | 3749498 | 100.00% | 9.035% |
| 42 | 19.897 | 2872 | 2875 | 2881 | rVB5 | 15333   | 26544   | 0.71%   | 0.064% |
| 43 | 19.997 | 2888 | 2892 | 2895 | rBV  | 18602   | 23138   | 0.62%   | 0.056% |
| 44 | 20.903 | 3042 | 3046 | 3052 | rBV2 | 182512  | 240552  | 6.42%   | 0.580% |
| 45 | 21.162 | 3085 | 3090 | 3095 | rBV  | 1397895 | 1767591 | 47.14%  | 4.259% |
| 46 | 23.197 | 3430 | 3436 | 3443 | rBV  | 1977983 | 3527572 | 94.08%  | 8.500% |
| 47 | 23.333 | 3453 | 3459 | 3470 | rVB  | 1009657 | 1800038 | 48.01%  | 4.337% |

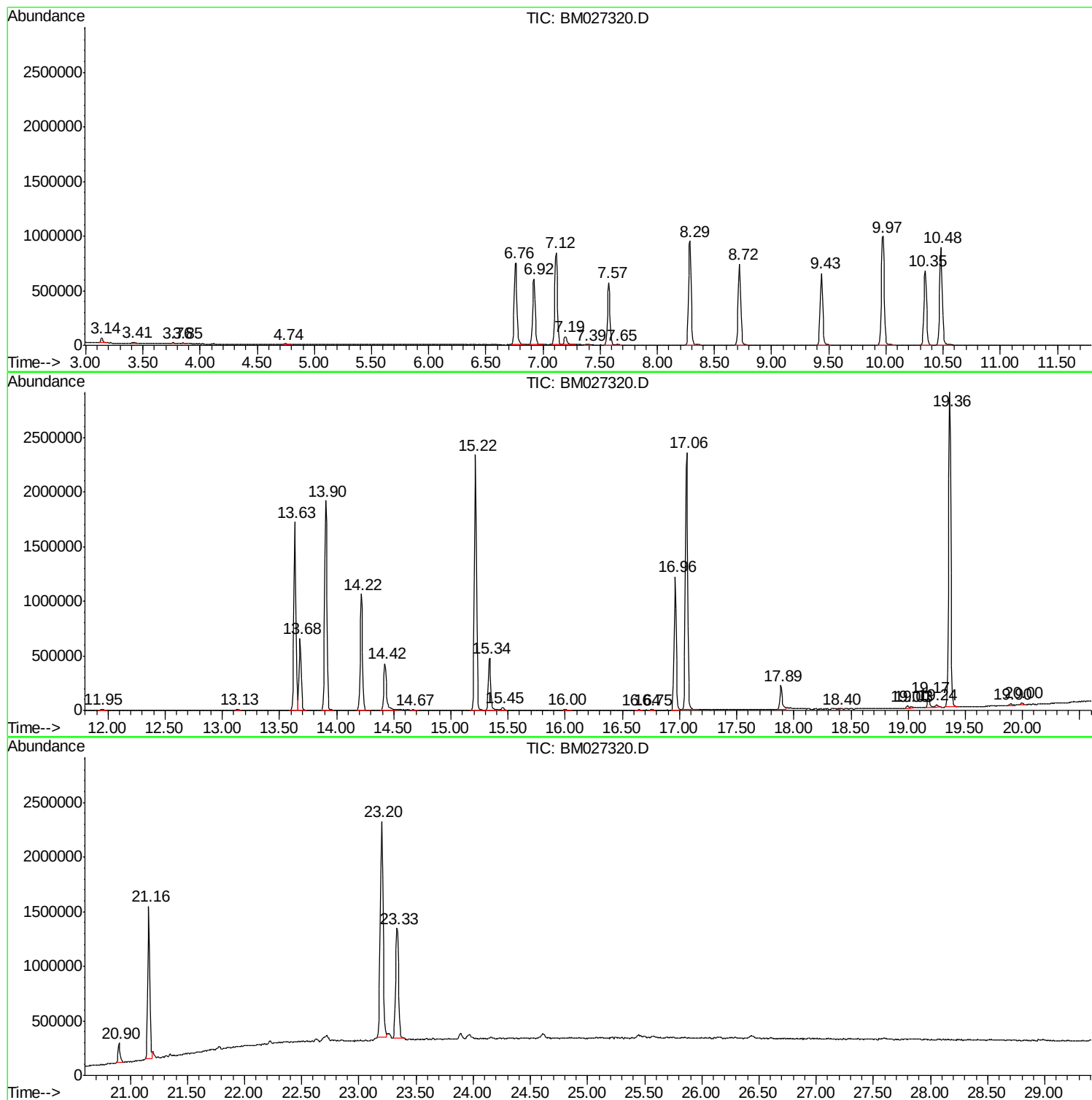
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

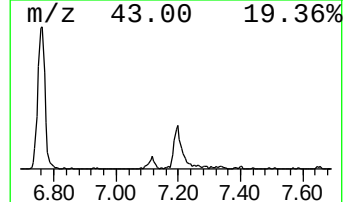
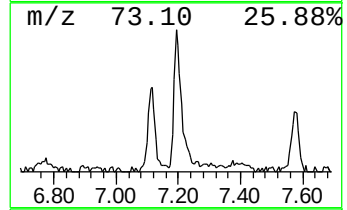
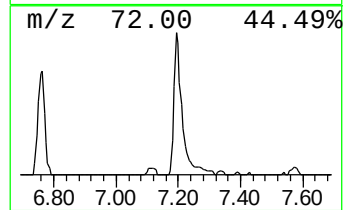
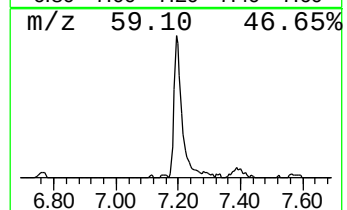
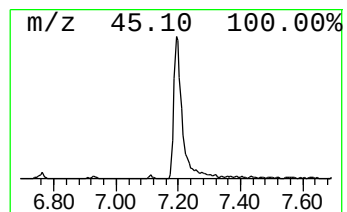
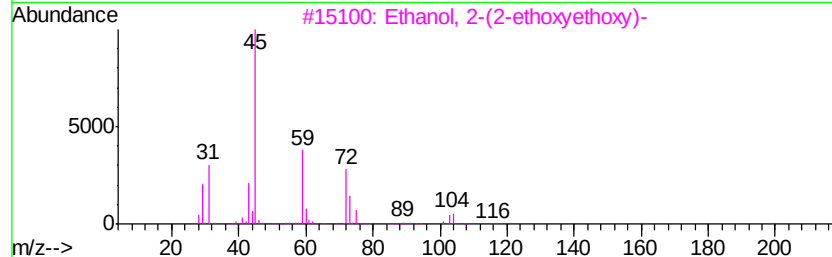
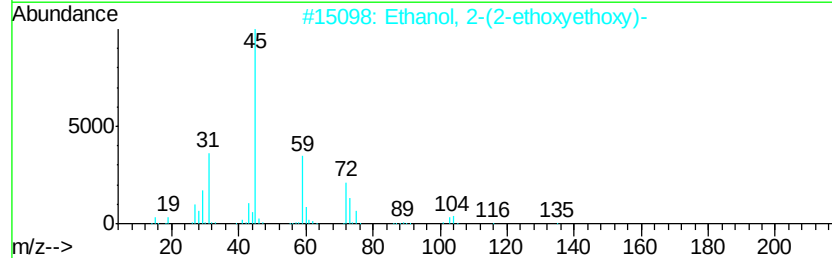
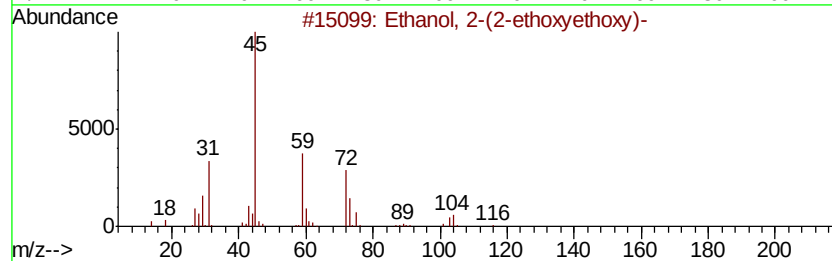
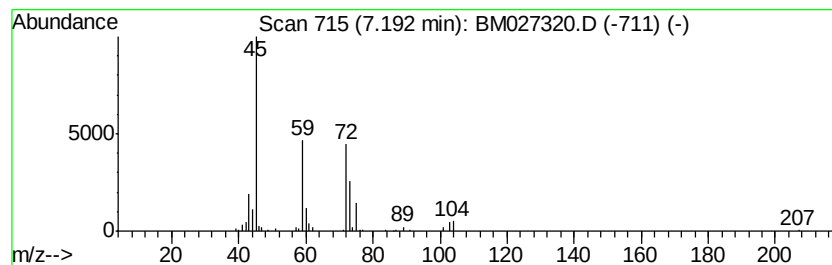
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.19 | 3.12 ng/ul | 135335 | 1,4-Dichlorobenzene-d4 | 7.57 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 90   |
| 2       |   | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 83   |
| 3       |   | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 72   |
| 4       |   | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 64   |
| 5       |   | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 59   |



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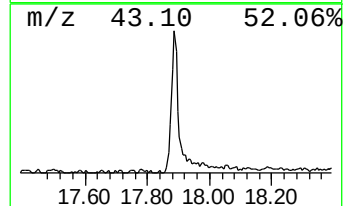
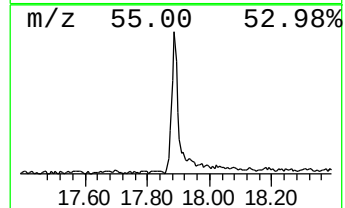
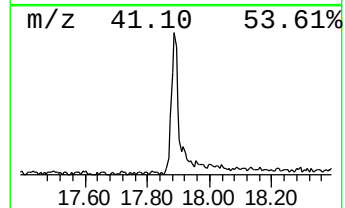
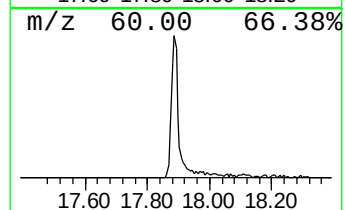
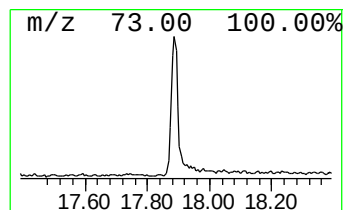
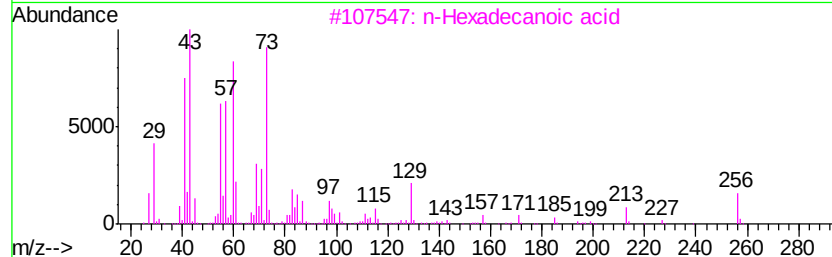
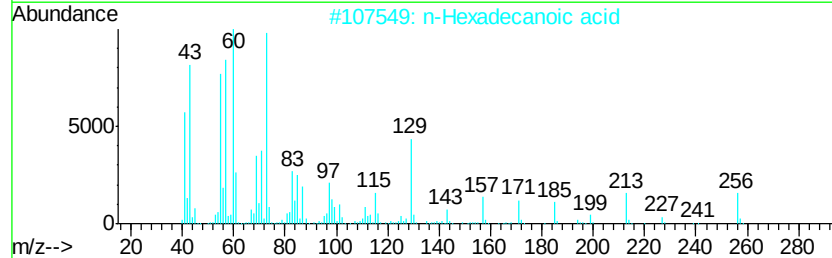
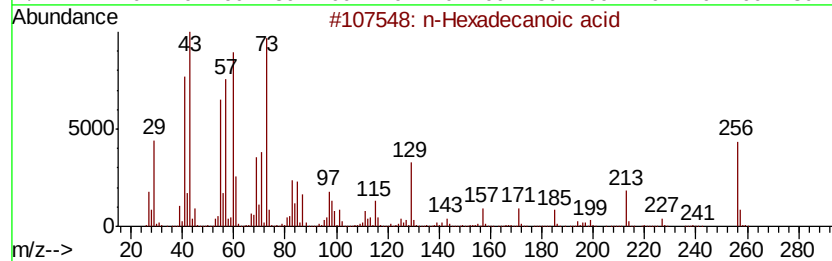
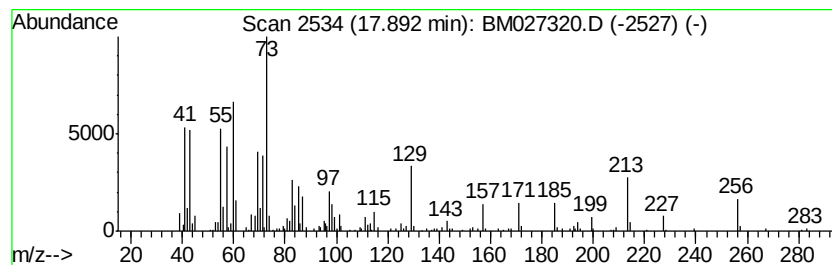
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082520MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 17.89     | 4.00 ng/ul          | 336478 | Phenanthrene-d10 | 16.96       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98   |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 70   |
| 3         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 70   |
| 4         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70   |
| 5         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 58   |



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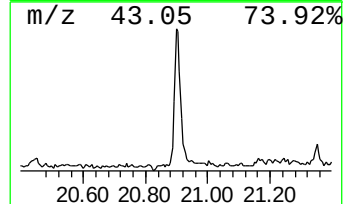
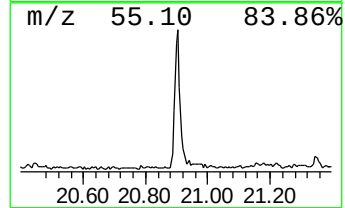
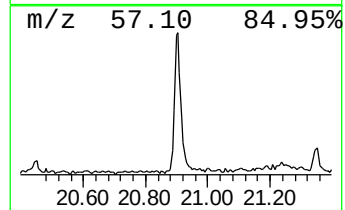
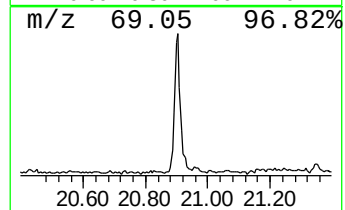
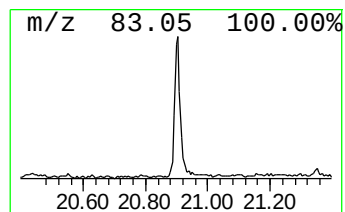
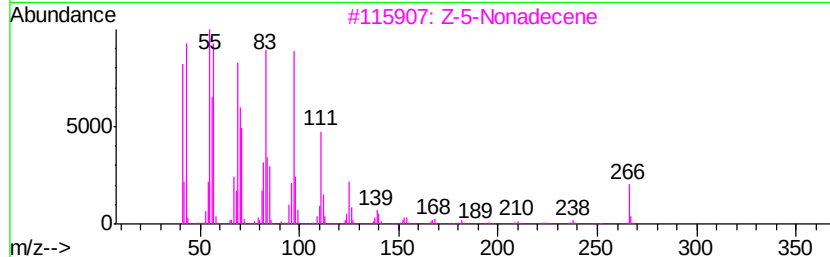
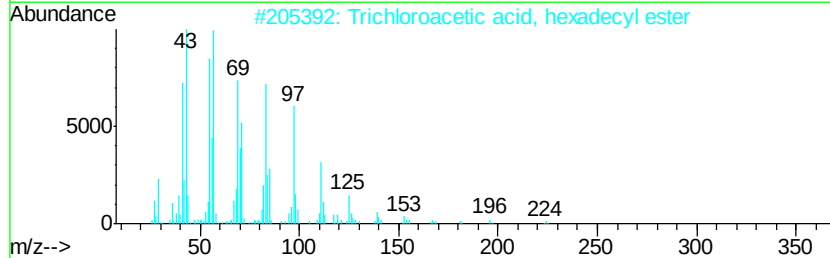
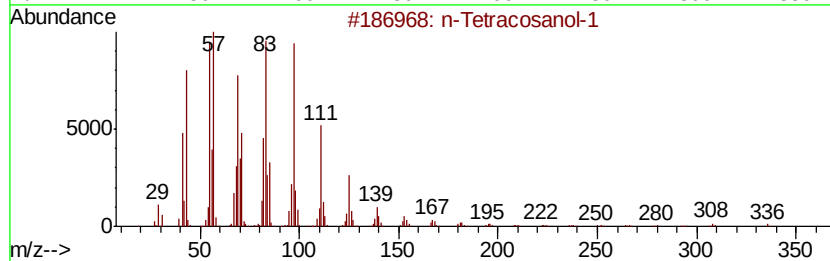
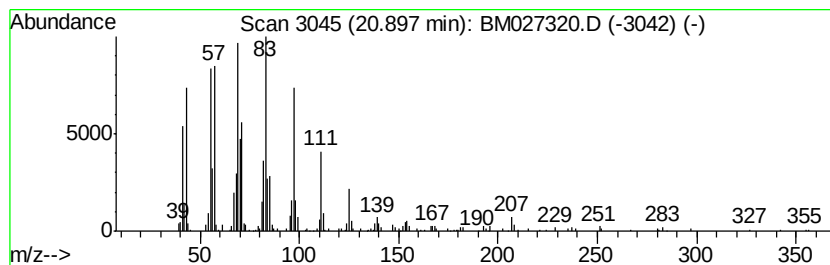
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 3 n-Tetracosanol-1 Concentration Rank 3

| R.T.    | EstConc                             | Area            | Relative to ISTD | R.T.      |
|---------|-------------------------------------|-----------------|------------------|-----------|
| 20.90   | 2.72 ng/ul                          | 240552          | Chrysene-d12     | 21.16     |
| Hit# of | 5                                   | Tentative ID    | MW MolForm       | CAS# Qual |
| 1       | n-Tetracosanol-1                    | 354 C24H50O     | 000506-51-4      | 93        |
| 2       | Trichloroacetic acid, hexadecyl ... | 386 C18H33Cl3O2 | 074339-54-1      | 91        |
| 3       | Z-5-Nonadecene                      | 266 C19H38      | 1000131-11-8     | 91        |
| 4       | 1-Nonadecene                        | 266 C19H38      | 018435-45-5      | 87        |
| 5       | 1-Docosene                          | 308 C22H44      | 001599-67-3      | 81        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Ethanol, 2-(2-eth... | 7.19  | 3.1     | ng/ul | 135335   | 1                     | 7.57  | 866244  | 20.0 |
| n-Hexadecanoic acid  | 17.89 | 4.0     | ng/ul | 336478   | 4                     | 16.96 | 1683390 | 20.0 |
| n-Tetracosanol-1     | 20.90 | 2.7     | ng/ul | 240552   | 5                     | 21.16 | 1767590 | 20.0 |