

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
 Data File : BM020412.D  
 Acq On : 18 May 2019 23:16  
 Operator : JU/SJ  
 Sample : K2690-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A5166

## 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-BM051619MA.M  
 Title : SVOA 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         | 3.740       | 124           | 128         | 135          | rVB      | 132819         | 164356        | 4.76%           | 0.704%        |
| 2         | 6.904       | 660           | 666         | 681          | rVB      | 398891         | 704564        | 20.41%          | 3.017%        |
| 3         | 7.075       | 690           | 695         | 705          | rBV      | 338870         | 520595        | 15.08%          | 2.229%        |
| 4         | 7.263       | 721           | 727         | 735          | rBV      | 439686         | 720582        | 20.88%          | 3.086%        |
| 5         | 7.734       | 801           | 807         | 815          | rBV      | 351950         | 558591        | 16.18%          | 2.392%        |
| 6         | 8.439       | 921           | 927         | 944          | rVB      | 236302         | 413716        | 11.99%          | 1.772%        |
| 7         | 8.904       | 999           | 1006        | 1017         | rBV      | 389882         | 656703        | 19.03%          | 2.812%        |
| 8         | 9.239       | 1060          | 1063        | 1068         | rVB2     | 6749           | 9621          | 0.28%           | 0.041%        |
| 9         | 9.616       | 1121          | 1127        | 1140         | rBV      | 308492         | 528272        | 15.31%          | 2.262%        |
| 10        | 10.151      | 1211          | 1218        | 1232         | rBV      | 448910         | 796897        | 23.09%          | 3.413%        |
| 11        | 10.528      | 1274          | 1282        | 1294         | rBV      | 420999         | 692495        | 20.06%          | 2.965%        |
| 12        | 10.680      | 1301          | 1308        | 1328         | rBV      | 142904         | 315342        | 9.14%           | 1.350%        |
| 13        | 12.122      | 1549          | 1553        | 1558         | rVB2     | 5226           | 7857          | 0.23%           | 0.034%        |
| 14        | 13.186      | 1730          | 1734        | 1738         | rBV2     | 5014           | 7092          | 0.21%           | 0.030%        |
| 15        | 13.263      | 1743          | 1747        | 1751         | rVB3     | 18463          | 28418         | 0.82%           | 0.122%        |
| 16        | 13.339      | 1759          | 1760        | 1767         | rVB3     | 3472           | 3868          | 0.11%           | 0.017%        |
| 17        | 13.698      | 1816          | 1821        | 1826         | rVB3     | 4868           | 8356          | 0.24%           | 0.036%        |
| 18        | 13.751      | 1826          | 1830        | 1832         | rBV2     | 5831           | 7704          | 0.22%           | 0.033%        |
| 19        | 13.798      | 1832          | 1838        | 1842         | rVV      | 912856         | 1255619       | 36.38%          | 5.377%        |
| 20        | 13.845      | 1842          | 1846        | 1851         | rVV      | 219162         | 292085        | 8.46%           | 1.251%        |
| 21        | 13.880      | 1851          | 1852        | 1859         | rVB5     | 4388           | 6446          | 0.19%           | 0.028%        |
| 22        | 13.969      | 1864          | 1867        | 1870         | rVB2     | 2807           | 3486          | 0.10%           | 0.015%        |
| 23        | 14.016      | 1870          | 1875        | 1879         | rBV4     | 4752           | 7199          | 0.21%           | 0.031%        |
| 24        | 14.080      | 1879          | 1886        | 1894         | rBV      | 1002020        | 1475457       | 42.75%          | 6.318%        |
| 25        | 14.198      | 1901          | 1906        | 1911         | rVB7     | 5898           | 10490         | 0.30%           | 0.045%        |
| 26        | 14.263      | 1911          | 1917        | 1923         | rBV5     | 14423          | 22356         | 0.65%           | 0.096%        |
| 27        | 14.333      | 1926          | 1929        | 1930         | rVV3     | 3533           | 3821          | 0.11%           | 0.016%        |
| 28        | 14.386      | 1932          | 1938        | 1948         | rVB2     | 582873         | 887608        | 25.72%          | 3.801%        |
| 29        | 14.604      | 1968          | 1975        | 1990         | rBV2     | 204859         | 416753        | 12.07%          | 1.785%        |
| 30        | 14.774      | 1998          | 2004        | 2010         | rBV8     | 21162          | 53865         | 1.56%           | 0.231%        |
| 31        | 14.857      | 2015          | 2018        | 2023         | rVB5     | 8354           | 9805          | 0.28%           | 0.042%        |
| 32        | 14.998      | 2037          | 2042        | 2049         | rBV5     | 7810           | 18537         | 0.54%           | 0.079%        |
| 33        | 15.057      | 2049          | 2052        | 2054         | rVB2     | 4563           | 5386          | 0.16%           | 0.023%        |
| 34        | 15.163      | 2065          | 2070        | 2074         | rBV7     | 7834           | 17144         | 0.50%           | 0.073%        |

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ALS Vial : 16 Sample Multiplier: 1

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.215 | 2074 | 2079 | 2084 | rVB5 | 20305   | 29789   | 0.86%   | 0.128%  |
| 36 | 15.380 | 2101 | 2107 | 2115 | rBV  | 1221899 | 1837878 | 53.25%  | 7.870%  |
| 37 | 15.439 | 2115 | 2117 | 2121 | rVB4 | 10529   | 10259   | 0.30%   | 0.044%  |
| 38 | 15.521 | 2125 | 2131 | 2138 | rBV  | 227812  | 339298  | 9.83%   | 1.453%  |
| 39 | 15.615 | 2143 | 2147 | 2153 | rVB3 | 19444   | 34639   | 1.00%   | 0.148%  |
| 40 | 15.710 | 2161 | 2163 | 2166 | rBV3 | 5613    | 7067    | 0.20%   | 0.030%  |
| 41 | 15.845 | 2182 | 2186 | 2189 | rBV5 | 6419    | 9264    | 0.27%   | 0.040%  |
| 42 | 16.098 | 2222 | 2229 | 2234 | rBV8 | 23953   | 63069   | 1.83%   | 0.270%  |
| 43 | 16.245 | 2250 | 2254 | 2256 | rBV4 | 8788    | 13190   | 0.38%   | 0.056%  |
| 44 | 16.421 | 2282 | 2284 | 2285 | rBV2 | 5471    | 4940    | 0.14%   | 0.021%  |
| 45 | 16.486 | 2293 | 2295 | 2298 | rBV4 | 6641    | 6809    | 0.20%   | 0.029%  |
| 46 | 16.586 | 2310 | 2312 | 2314 | rVB3 | 7246    | 5200    | 0.15%   | 0.022%  |
| 47 | 16.680 | 2325 | 2328 | 2334 | rVB8 | 11241   | 16098   | 0.47%   | 0.069%  |
| 48 | 16.921 | 2365 | 2369 | 2374 | rVB8 | 19922   | 28460   | 0.82%   | 0.122%  |
| 49 | 17.139 | 2400 | 2406 | 2411 | rBV  | 729809  | 1045991 | 30.30%  | 4.479%  |
| 50 | 17.239 | 2417 | 2423 | 2430 | rBV  | 1294171 | 1825516 | 52.89%  | 7.817%  |
| 51 | 17.515 | 2466 | 2470 | 2471 | rBV4 | 20574   | 27382   | 0.79%   | 0.117%  |
| 52 | 18.021 | 2551 | 2556 | 2561 | rBV  | 198349  | 303188  | 8.78%   | 1.298%  |
| 53 | 19.303 | 2771 | 2774 | 2780 | rBV3 | 95913   | 168443  | 4.88%   | 0.721%  |
| 54 | 19.539 | 2809 | 2814 | 2823 | rBV  | 1747400 | 2329969 | 67.50%  | 9.978%  |
| 55 | 21.327 | 3115 | 3118 | 3123 | rVB  | 909032  | 1162656 | 33.68%  | 4.979%  |
| 56 | 23.456 | 3475 | 3480 | 3491 | rVB3 | 1564596 | 3451558 | 100.00% | 14.781% |

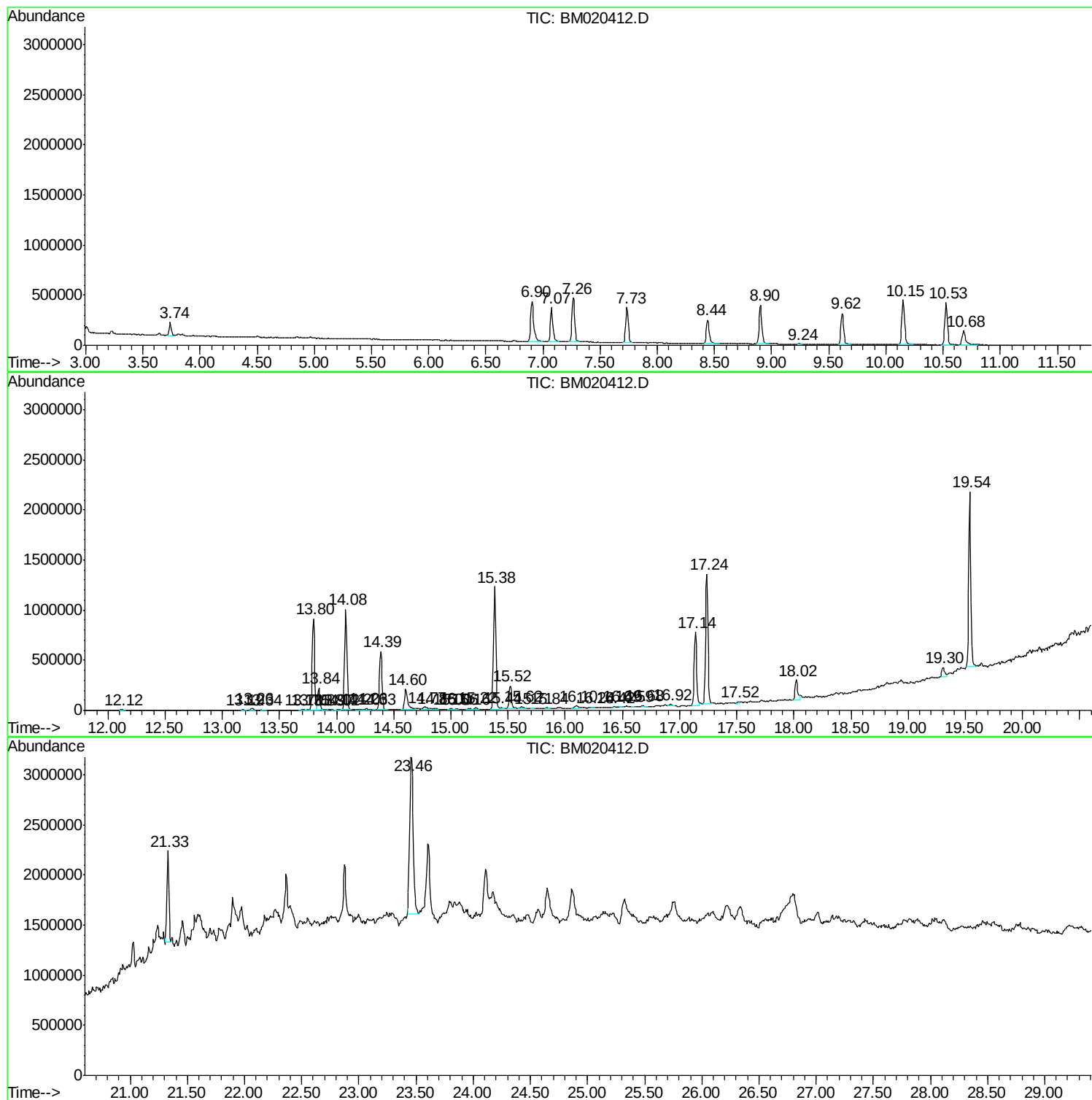
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

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



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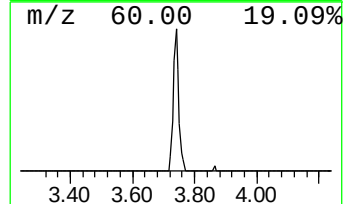
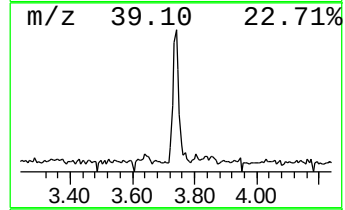
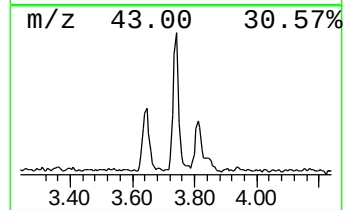
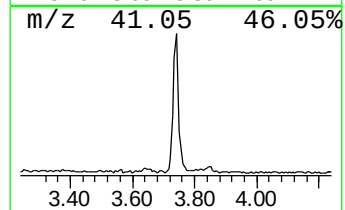
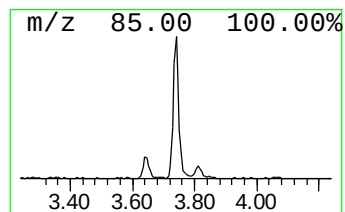
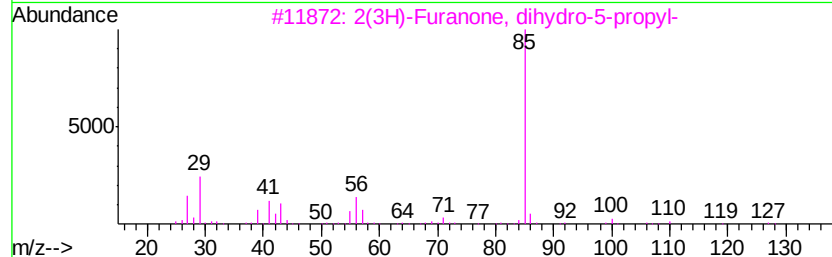
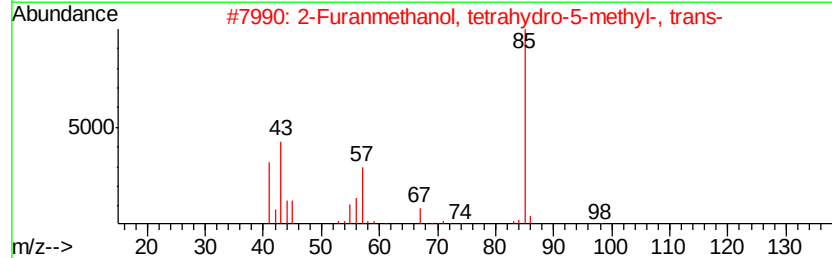
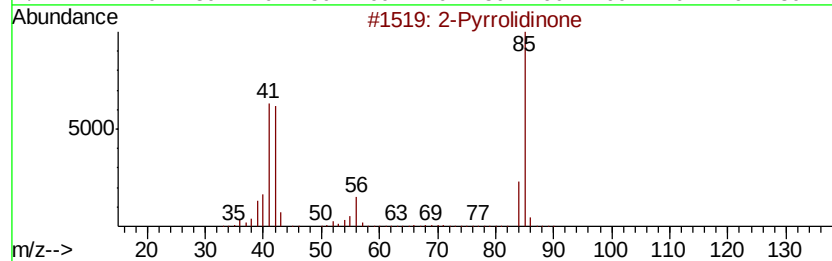
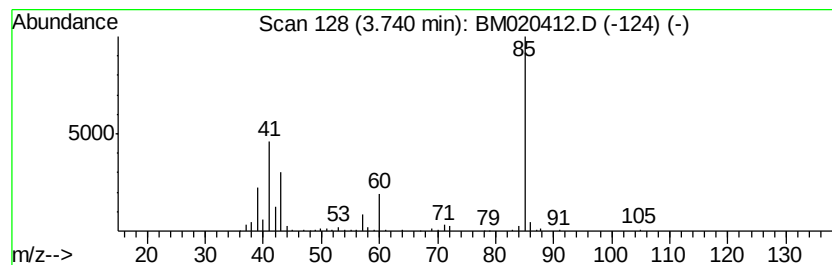
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 2-Pyrrolidinone Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.74 | 5.88 ng/ul | 164356 | 1,4-Dichlorobenzene-d4 | 7.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pyrrolidinone                     | 85  | C4H7NO  | 000616-45-5 | 50   |
| 2    |    | 2-Furanmethanol, tetrahydro-5-me... | 116 | C6H12O2 | 054774-28-6 | 36   |
| 3    |    | 2(3H)-Furanone, dihydro-5-propyl-   | 128 | C7H12O2 | 000105-21-5 | 36   |
| 4    |    | 2(3H)-Furanone, 5-butylidihydro-    | 142 | C8H14O2 | 000104-50-7 | 36   |
| 5    |    | 2(3H)-Furanone, dihydro-5-propyl-   | 128 | C7H12O2 | 000105-21-5 | 36   |



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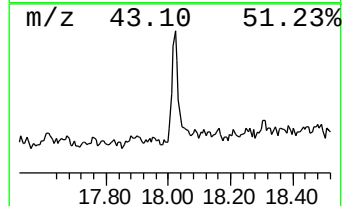
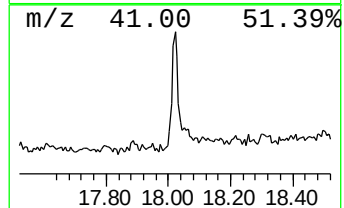
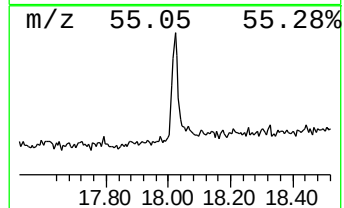
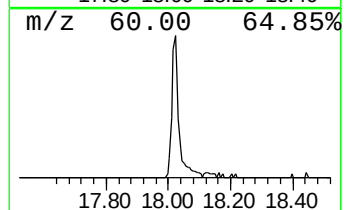
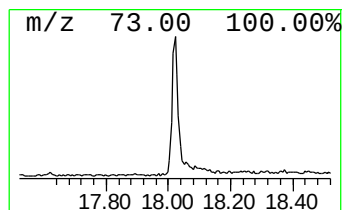
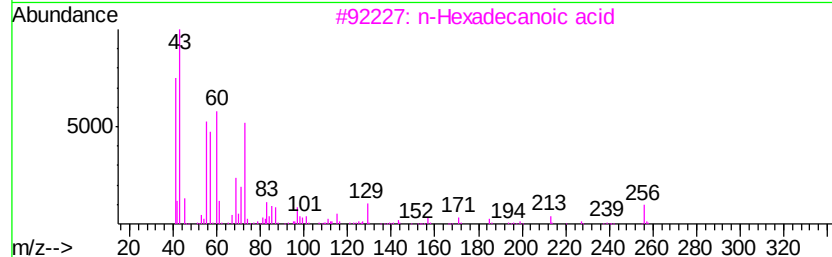
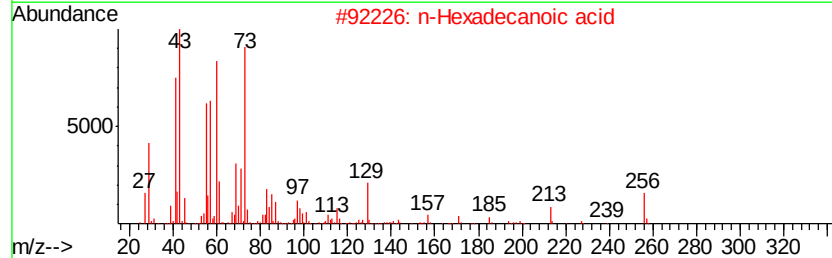
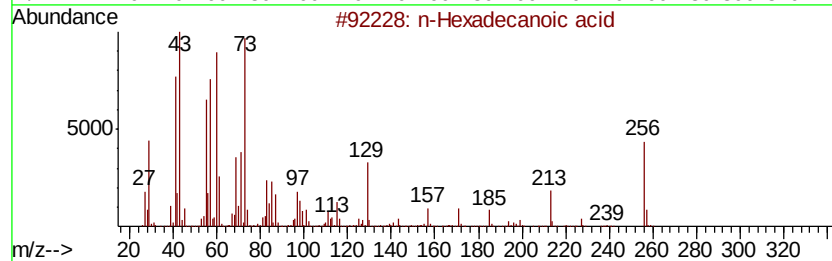
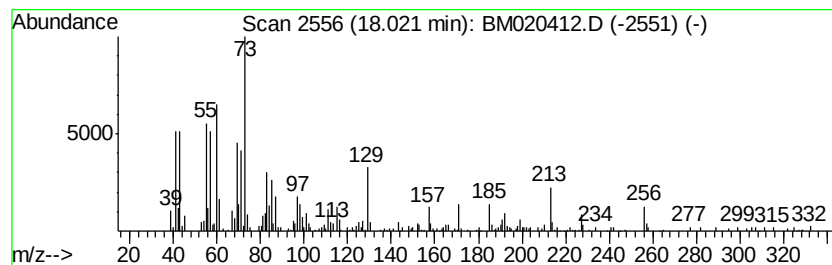
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 18.02 | 5.80 ng/ul | 303188 | Phenanthrene-d10 |  | 17.14 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 52   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 49   |



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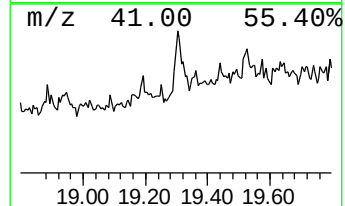
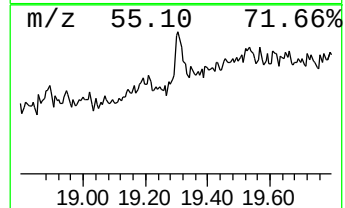
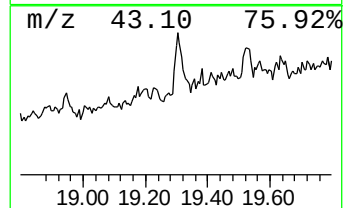
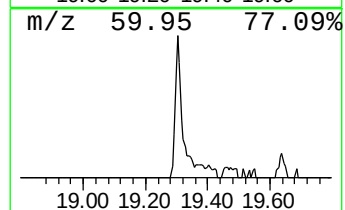
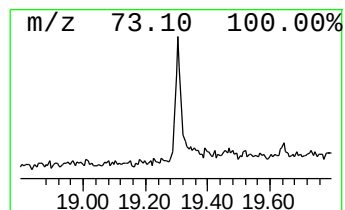
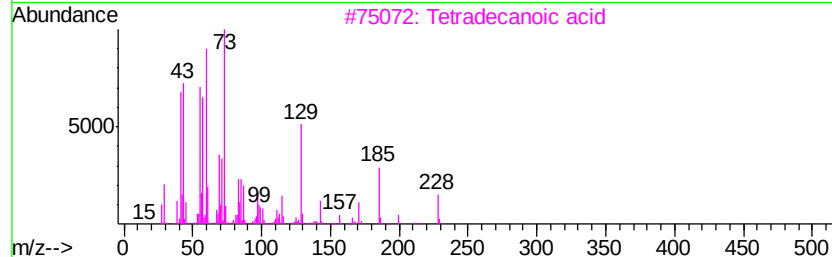
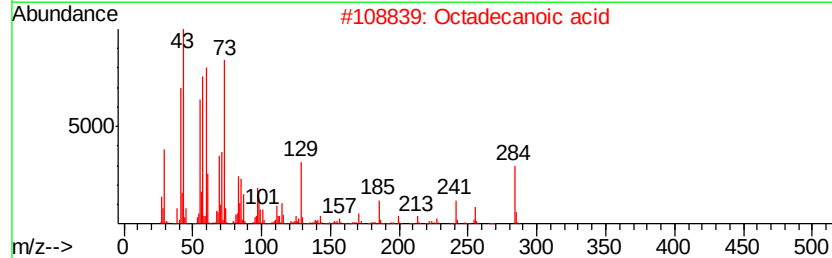
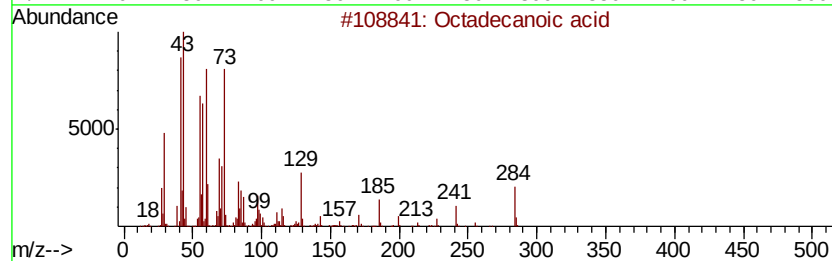
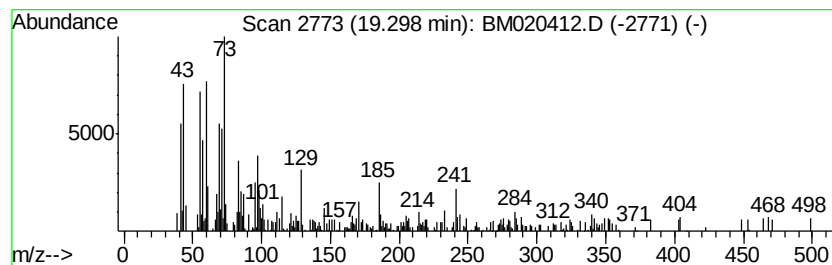
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Octadecanoic acid Concentration Rank 3

| R.T.    | EstConc                            | Area         | Relative to ISTD | R.T.      |
|---------|------------------------------------|--------------|------------------|-----------|
| 19.30   | 2.90 ng/ul                         | 168443       | Chrysene-d12     | 21.33     |
| Hit# of | 5                                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Octadecanoic acid                  | 284 C18H36O2 | 000057-11-4      | 90        |
| 2       | Octadecanoic acid                  | 284 C18H36O2 | 000057-11-4      | 90        |
| 3       | Tetradecanoic acid                 | 228 C14H28O2 | 000544-63-8      | 45        |
| 4       | Octadecanoic acid                  | 284 C18H36O2 | 000057-11-4      | 41        |
| 5       | Octadecanoic acid, 2-(2-hydroxy... | 372 C22H44O4 | 000106-11-6      | 35        |



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Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pyrrolidinone     | 3.74  | 5.9     | ng/ul | 164356   | 1                     | 7.73  | 558591  | 20.0 |
| n-Hexadecanoic acid | 18.02 | 5.8     | ng/ul | 303188   | 4                     | 17.14 | 1045990 | 20.0 |
| Octadecanoic acid   | 19.30 | 2.9     | ng/ul | 168443   | 5                     | 21.33 | 1162660 | 20.0 |