

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100115\  
 Data File : BM002822.D  
 Acq On : 02 Oct 2015 02:16  
 Operator : UM/IZ  
 Sample : G3800-23  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C03L7

## 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.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         | 3.358       | 39            | 46          | 56           | rBV      | 135980         | 324405        | 23.68%          | 2.139%        |
| 2         | 3.446       | 56            | 61          | 76           | rVB      | 374772         | 599607        | 43.77%          | 3.953%        |
| 3         | 3.763       | 112           | 115         | 119          | rVB2     | 2087           | 2710          | 0.20%           | 0.018%        |
| 4         | 3.905       | 137           | 139         | 144          | rVB2     | 968            | 1561          | 0.11%           | 0.010%        |
| 5         | 5.863       | 469           | 472         | 476          | rVB      | 1189           | 1682          | 0.12%           | 0.011%        |
| 6         | 7.622       | 768           | 771         | 777          | rBV2     | 1766           | 3035          | 0.22%           | 0.020%        |
| 7         | 7.810       | 797           | 803         | 813          | rVB      | 46227          | 79628         | 5.81%           | 0.525%        |
| 8         | 7.975       | 825           | 831         | 843          | rBV      | 185430         | 310681        | 22.68%          | 2.048%        |
| 9         | 8.204       | 863           | 870         | 882          | rVB      | 202434         | 342685        | 25.01%          | 2.259%        |
| 10        | 8.687       | 945           | 952         | 960          | rVB      | 228779         | 388207        | 28.34%          | 2.559%        |
| 11        | 9.387       | 1065          | 1071        | 1083         | rBV      | 145927         | 246449        | 17.99%          | 1.625%        |
| 12        | 9.792       | 1135          | 1140        | 1145         | rBV      | 2292           | 3565          | 0.26%           | 0.024%        |
| 13        | 9.881       | 1148          | 1155        | 1164         | rBV      | 215460         | 373188        | 27.24%          | 2.460%        |
| 14        | 10.139      | 1195          | 1199        | 1205         | rBV2     | 3687           | 5622          | 0.41%           | 0.037%        |
| 15        | 10.222      | 1208          | 1213        | 1218         | rVB      | 16407          | 24358         | 1.78%           | 0.161%        |
| 16        | 10.328      | 1226          | 1231        | 1235         | rVB      | 3291           | 5033          | 0.37%           | 0.033%        |
| 17        | 10.610      | 1273          | 1279        | 1289         | rBV      | 176388         | 302950        | 22.11%          | 1.997%        |
| 18        | 10.698      | 1289          | 1294        | 1295         | rBV2     | 1366           | 2027          | 0.15%           | 0.013%        |
| 19        | 10.786      | 1305          | 1309        | 1314         | rVB      | 3561           | 6196          | 0.45%           | 0.041%        |
| 20        | 10.916      | 1326          | 1331        | 1338         | rVB2     | 4100           | 6699          | 0.49%           | 0.044%        |
| 21        | 11.151      | 1364          | 1371        | 1384         | rBV      | 263753         | 464085        | 33.87%          | 3.059%        |
| 22        | 11.545      | 1422          | 1438        | 1449         | rBV      | 324345         | 573153        | 41.84%          | 3.778%        |
| 23        | 11.633      | 1449          | 1453        | 1455         | rVV2     | 2254           | 3266          | 0.24%           | 0.022%        |
| 24        | 11.675      | 1455          | 1460        | 1466         | rVV      | 16383          | 28583         | 2.09%           | 0.188%        |
| 25        | 11.722      | 1466          | 1468        | 1472         | rVB2     | 1834           | 2317          | 0.17%           | 0.015%        |
| 26        | 11.816      | 1480          | 1484        | 1488         | rBV2     | 901            | 1452          | 0.11%           | 0.010%        |
| 27        | 12.775      | 1642          | 1647        | 1650         | rVB2     | 1012           | 1921          | 0.14%           | 0.013%        |
| 28        | 12.810      | 1650          | 1653        | 1658         | rBV2     | 1351           | 1642          | 0.12%           | 0.011%        |
| 29        | 12.951      | 1674          | 1677        | 1681         | rVB      | 1836           | 2614          | 0.19%           | 0.017%        |
| 30        | 13.033      | 1687          | 1691        | 1694         | rBV      | 2011           | 2108          | 0.15%           | 0.014%        |
| 31        | 13.080      | 1694          | 1699        | 1704         | rVB2     | 4073           | 6669          | 0.49%           | 0.044%        |
| 32        | 13.198      | 1716          | 1719        | 1723         | rBV2     | 1436           | 1654          | 0.12%           | 0.011%        |
| 33        | 13.369      | 1744          | 1748        | 1752         | rBV2     | 6491           | 9598          | 0.70%           | 0.063%        |
| 34        | 13.533      | 1768          | 1776        | 1780         | rBV2     | 12243          | 20640         | 1.51%           | 0.136%        |

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Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 13.592 | 1784 | 1786 | 1790 | rVV3 | 1691   | 2616    | 0.19%  | 0.017% |
| 36 | 13.639 | 1790 | 1794 | 1797 | rVB2 | 2589   | 3862    | 0.28%  | 0.025% |
| 37 | 13.763 | 1811 | 1815 | 1823 | rVB3 | 3413   | 6282    | 0.46%  | 0.041% |
| 38 | 13.839 | 1823 | 1828 | 1830 | rBV2 | 3615   | 6029    | 0.44%  | 0.040% |
| 39 | 13.869 | 1830 | 1833 | 1836 | rVB2 | 4543   | 5584    | 0.41%  | 0.037% |
| 40 | 13.945 | 1844 | 1846 | 1849 | rVB2 | 1665   | 1643    | 0.12%  | 0.011% |
| 41 | 14.116 | 1872 | 1875 | 1885 | rVB2 | 2205   | 4905    | 0.36%  | 0.032% |
| 42 | 14.316 | 1904 | 1909 | 1912 | rBV2 | 2071   | 3630    | 0.26%  | 0.024% |
| 43 | 14.345 | 1912 | 1914 | 1918 | rVB3 | 1621   | 2134    | 0.16%  | 0.014% |
| 44 | 14.404 | 1922 | 1924 | 1927 | rVB4 | 1690   | 1869    | 0.14%  | 0.012% |
| 45 | 14.451 | 1927 | 1932 | 1941 | rBV5 | 3476   | 10901   | 0.80%  | 0.072% |
| 46 | 14.604 | 1950 | 1958 | 1962 | rBV3 | 9140   | 18018   | 1.32%  | 0.119% |
| 47 | 14.663 | 1962 | 1968 | 1976 | rVB  | 492956 | 701808  | 51.23% | 4.626% |
| 48 | 14.839 | 1993 | 1998 | 1999 | rBV2 | 2946   | 3247    | 0.24%  | 0.021% |
| 49 | 14.986 | 2016 | 2023 | 2031 | rBV  | 608057 | 919281  | 67.10% | 6.060% |
| 50 | 15.227 | 2060 | 2064 | 2066 | rBV3 | 1775   | 1804    | 0.13%  | 0.012% |
| 51 | 15.280 | 2066 | 2073 | 2081 | rVV2 | 442921 | 695002  | 50.73% | 4.582% |
| 52 | 15.339 | 2081 | 2083 | 2088 | rVB  | 2586   | 2947    | 0.22%  | 0.019% |
| 53 | 15.463 | 2099 | 2104 | 2116 | rBV  | 30909  | 57642   | 4.21%  | 0.380% |
| 54 | 15.633 | 2125 | 2133 | 2148 | rBV  | 357827 | 575110  | 41.98% | 3.791% |
| 55 | 15.968 | 2185 | 2190 | 2193 | rBV  | 10739  | 15438   | 1.13%  | 0.102% |
| 56 | 16.033 | 2197 | 2201 | 2206 | rVB3 | 5234   | 6847    | 0.50%  | 0.045% |
| 57 | 16.110 | 2211 | 2214 | 2216 | rBV3 | 1587   | 2278    | 0.17%  | 0.015% |
| 58 | 16.257 | 2232 | 2239 | 2245 | rBV  | 751054 | 1118921 | 81.67% | 7.376% |
| 59 | 16.380 | 2254 | 2260 | 2269 | rVB  | 157380 | 229511  | 16.75% | 1.513% |
| 60 | 16.486 | 2275 | 2278 | 2284 | rVB3 | 9304   | 14678   | 1.07%  | 0.097% |
| 61 | 16.698 | 2311 | 2314 | 2317 | rBV4 | 4285   | 5465    | 0.40%  | 0.036% |
| 62 | 16.833 | 2334 | 2337 | 2341 | rVB4 | 4622   | 6166    | 0.45%  | 0.041% |
| 63 | 16.927 | 2351 | 2353 | 2354 | rBV2 | 1871   | 1405    | 0.10%  | 0.009% |
| 64 | 16.980 | 2359 | 2362 | 2364 | rBV3 | 1209   | 1684    | 0.12%  | 0.011% |
| 65 | 17.027 | 2368 | 2370 | 2372 | rVV3 | 2543   | 2040    | 0.15%  | 0.013% |
| 66 | 17.080 | 2376 | 2379 | 2386 | rVB3 | 6756   | 11969   | 0.87%  | 0.079% |
| 67 | 17.145 | 2388 | 2390 | 2394 | rBV5 | 2142   | 3014    | 0.22%  | 0.020% |
| 68 | 17.233 | 2403 | 2405 | 2407 | rBV3 | 1972   | 2139    | 0.16%  | 0.014% |
| 69 | 17.280 | 2409 | 2413 | 2415 | rBV4 | 2321   | 3821    | 0.28%  | 0.025% |
| 70 | 17.321 | 2417 | 2420 | 2422 | rBV3 | 3191   | 4442    | 0.32%  | 0.029% |
| 71 | 17.768 | 2492 | 2496 | 2497 | rBV3 | 4317   | 5360    | 0.39%  | 0.035% |

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Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
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|----|--------|------|------|------|------|--------|---------|---------|--------|
| 72 | 17.992 | 2528 | 2534 | 2541 | rBV2 | 512418 | 773979  | 56.49%  | 5.102% |
| 73 | 18.092 | 2545 | 2551 | 2557 | rBV2 | 774123 | 1132427 | 82.66%  | 7.465% |
| 74 | 18.721 | 2656 | 2658 | 2661 | rBV4 | 3404   | 3264    | 0.24%   | 0.022% |
| 75 | 18.786 | 2666 | 2669 | 2676 | rVV4 | 17199  | 28521   | 2.08%   | 0.188% |
| 76 | 18.874 | 2681 | 2684 | 2690 | rVB  | 9239   | 14831   | 1.08%   | 0.098% |
| 77 | 19.339 | 2761 | 2763 | 2769 | rVB3 | 11197  | 17068   | 1.25%   | 0.113% |
| 78 | 20.156 | 2899 | 2902 | 2906 | rVB  | 22218  | 24394   | 1.78%   | 0.161% |
| 79 | 20.321 | 2925 | 2930 | 2938 | rBV  | 958412 | 1310312 | 95.64%  | 8.638% |
| 80 | 22.080 | 3223 | 3229 | 3234 | rBV  | 652267 | 937098  | 68.40%  | 6.178% |
| 81 | 24.497 | 3632 | 3640 | 3649 | rVB  | 641148 | 1370021 | 100.00% | 9.031% |
| 82 | 24.662 | 3661 | 3668 | 3677 | rVB2 | 428785 | 948108  | 69.20%  | 6.250% |

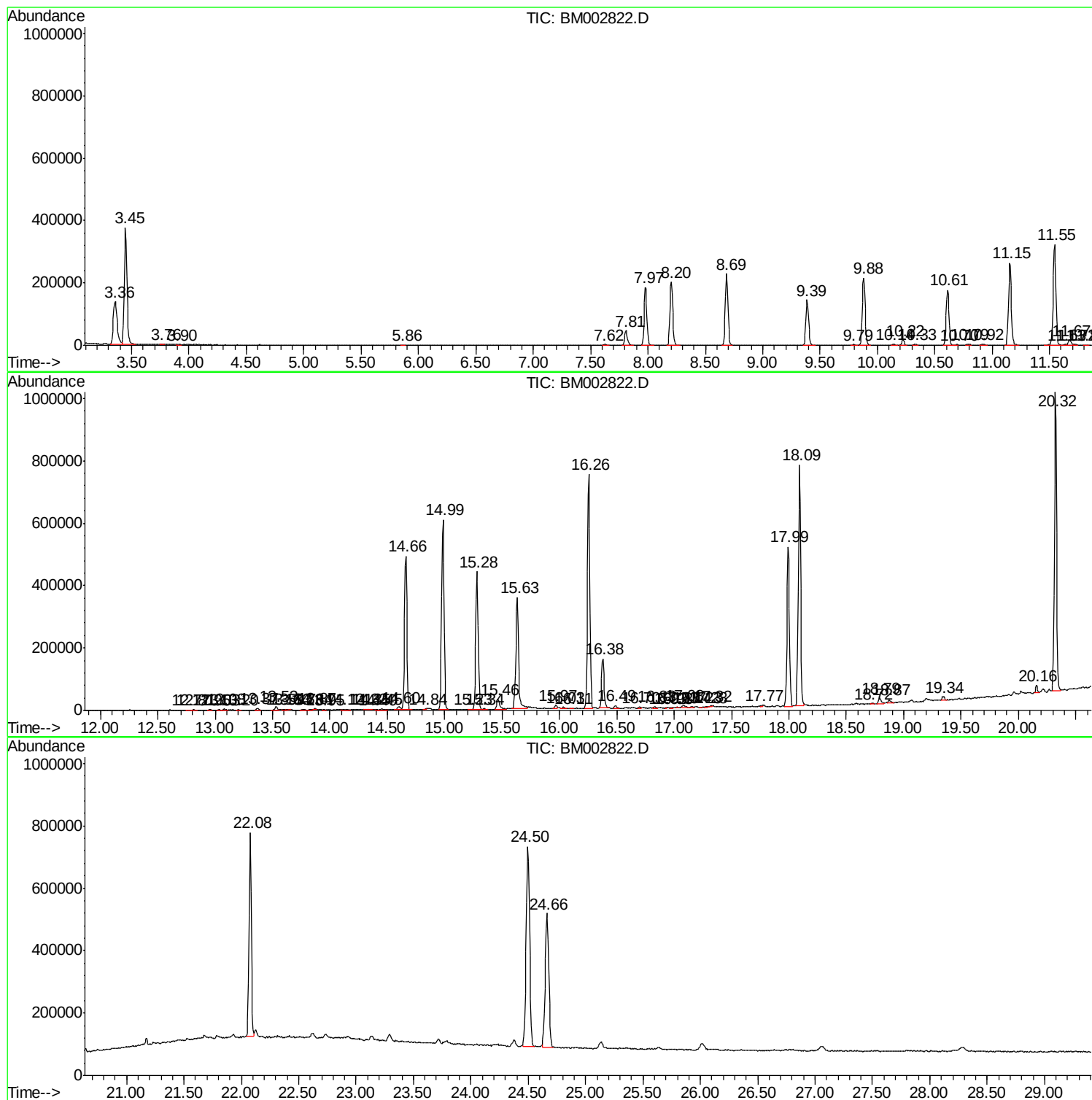
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
Quant Title : SVOA CALIBRATION

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



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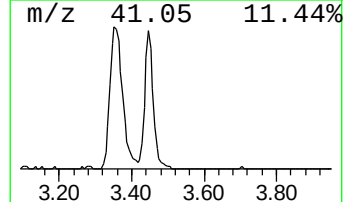
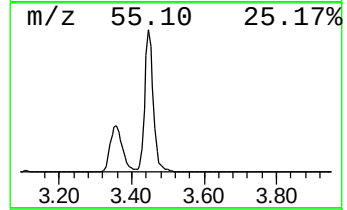
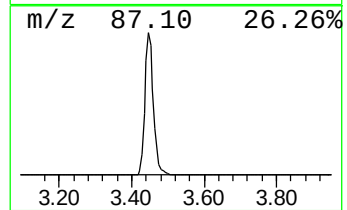
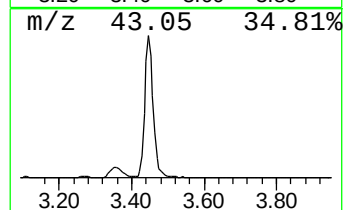
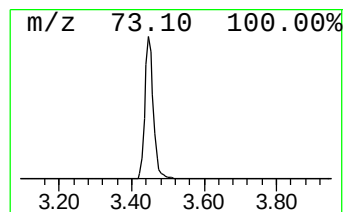
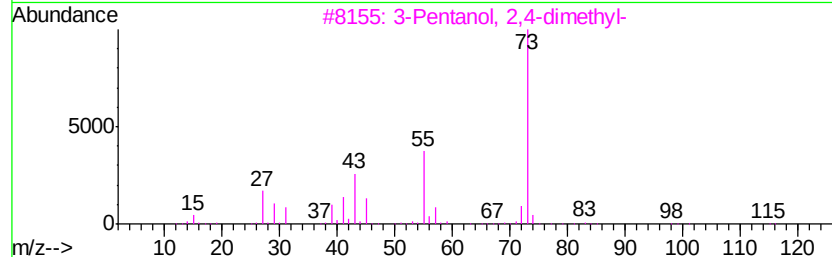
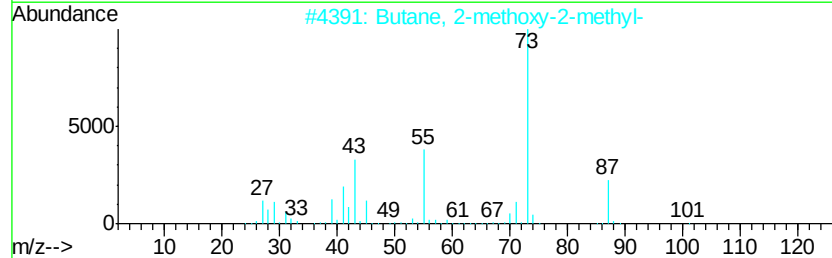
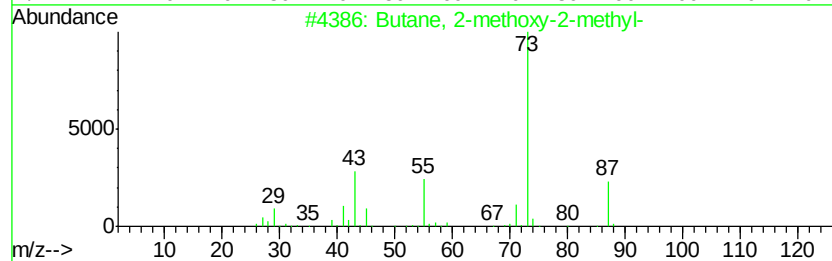
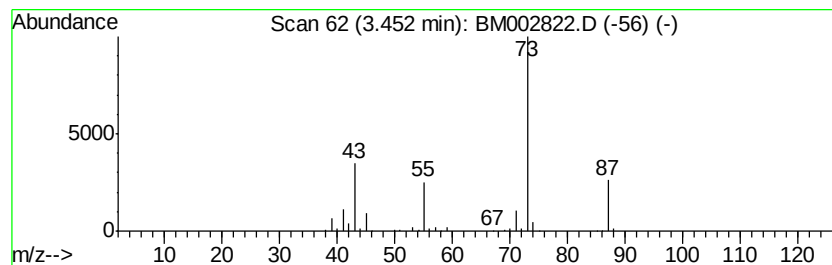
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.45 | 30.89 ng/ul | 599607 | 1,4-Dichlorobenzene-d4 | 8.69 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |



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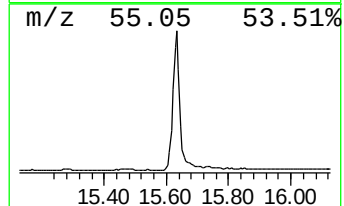
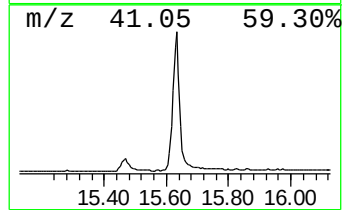
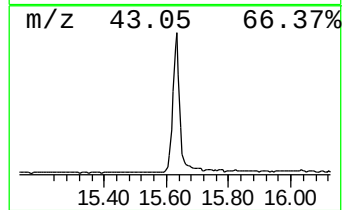
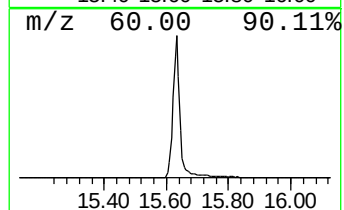
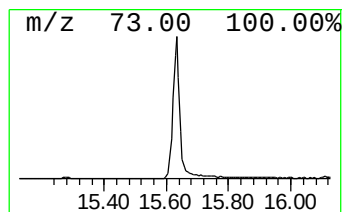
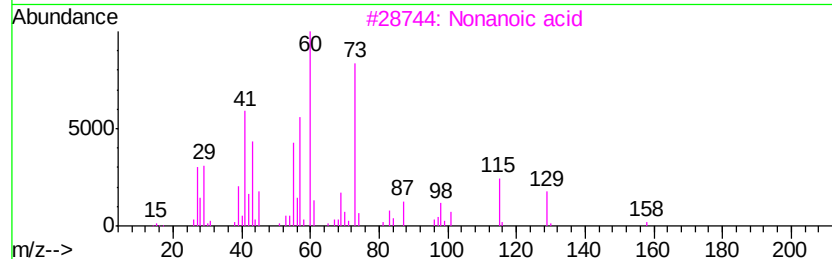
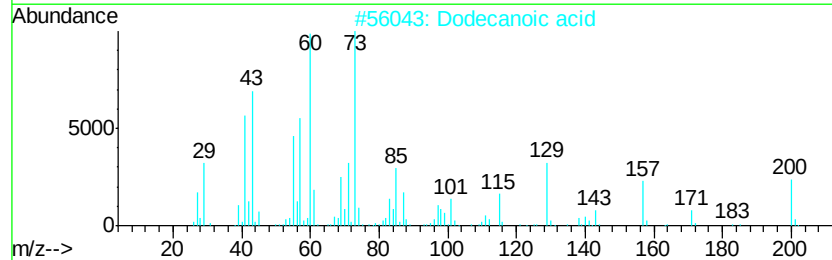
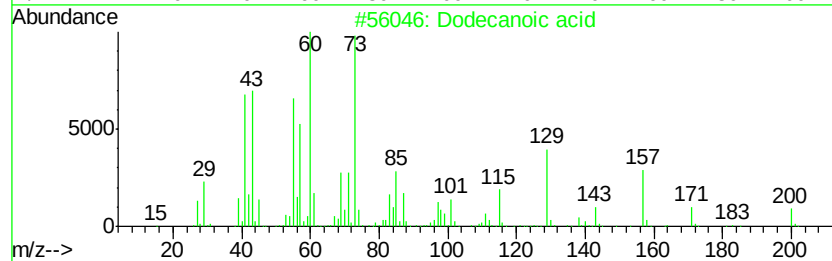
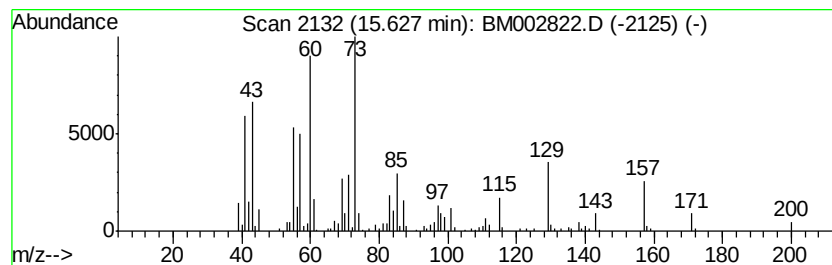
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Dodecanoic acid Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 15.63 | 16.55 ng/ul | 575110 | Acenaphthene-d10 | 15.28 |

| Hit# | of | Tentative ID    | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------|-----|----------|-------------|------|
| 1    | 5  | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 98   |
| 2    |    | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 91   |
| 3    |    | Nonanoic acid   | 158 | C9H18O2  | 000112-05-0 | 62   |
| 4    |    | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 53   |
| 5    |    | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 53   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.45  | 30.9    | ng/ul | 599607   | 1                     | 8.69  | 388207 | 20.0 |
| Dodecanoic acid      | 15.63 | 16.6    | ng/ul | 575110   | 3                     | 15.28 | 695002 | 20.0 |