

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031419\  
 Data File : BN004761.D  
 Acq On : 14 Mar 2019 20:58  
 Operator : JU/SJ  
 Sample : K1784-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0962

## 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\_N\METHODS\SOM-EPA-BN030719MA.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         | 3.193       | 31            | 35          | 44           | rBV2     | 25159          | 41904         | 5.48%           | 0.537%        |
| 2         | 3.264       | 44            | 47          | 52           | rVB      | 3929           | 4543          | 0.59%           | 0.058%        |
| 3         | 3.864       | 140           | 149         | 154          | rBV      | 14707          | 32632         | 4.27%           | 0.418%        |
| 4         | 3.946       | 159           | 163         | 169          | rVB      | 11692          | 15930         | 2.08%           | 0.204%        |
| 5         | 4.058       | 179           | 182         | 189          | rBV2     | 5469           | 11242         | 1.47%           | 0.144%        |
| 6         | 4.358       | 229           | 233         | 238          | rVB      | 977            | 1824          | 0.24%           | 0.023%        |
| 7         | 4.605       | 271           | 275         | 279          | rVB2     | 1203           | 1936          | 0.25%           | 0.025%        |
| 8         | 5.028       | 344           | 347         | 351          | rBB      | 2549           | 3129          | 0.41%           | 0.040%        |
| 9         | 5.205       | 372           | 377         | 385          | rBB      | 7525           | 12257         | 1.60%           | 0.157%        |
| 10        | 5.805       | 476           | 479         | 484          | rBB      | 2754           | 3403          | 0.44%           | 0.044%        |
| 11        | 6.746       | 633           | 639         | 645          | rBB      | 7469           | 12199         | 1.59%           | 0.156%        |
| 12        | 6.887       | 657           | 663         | 671          | rBB      | 76058          | 117525        | 15.37%          | 1.507%        |
| 13        | 7.058       | 687           | 692         | 702          | rBB      | 84098          | 127257        | 16.64%          | 1.632%        |
| 14        | 7.169       | 708           | 711         | 713          | rBB      | 996            | 1033          | 0.14%           | 0.013%        |
| 15        | 7.252       | 719           | 725         | 732          | rBB      | 115612         | 177160        | 23.16%          | 2.271%        |
| 16        | 7.716       | 798           | 804         | 810          | rBV      | 116955         | 173384        | 22.67%          | 2.223%        |
| 17        | 7.769       | 810           | 813         | 817          | rVB      | 9388           | 11650         | 1.52%           | 0.149%        |
| 18        | 8.299       | 899           | 903         | 909          | rBB2     | 1831           | 3707          | 0.48%           | 0.048%        |
| 19        | 8.422       | 918           | 924         | 932          | rBB      | 112789         | 176001        | 23.01%          | 2.256%        |
| 20        | 8.540       | 940           | 944         | 949          | rBB      | 9525           | 13758         | 1.80%           | 0.176%        |
| 21        | 8.881       | 996           | 1002        | 1009         | rBB      | 106365         | 168919        | 22.09%          | 2.166%        |
| 22        | 8.993       | 1018          | 1021        | 1026         | rBB      | 1624           | 2729          | 0.36%           | 0.035%        |
| 23        | 9.593       | 1117          | 1123        | 1129         | rBB      | 94718          | 146303        | 19.13%          | 1.876%        |
| 24        | 9.781       | 1152          | 1155        | 1160         | rBB      | 1599           | 3020          | 0.39%           | 0.039%        |
| 25        | 10.128      | 1208          | 1214        | 1224         | rBV      | 146745         | 245501        | 32.10%          | 3.148%        |
| 26        | 10.204      | 1224          | 1227        | 1230         | rVB      | 1679           | 2286          | 0.30%           | 0.029%        |
| 27        | 10.275      | 1233          | 1239        | 1255         | rBB      | 225263         | 349056        | 45.64%          | 4.475%        |
| 28        | 10.428      | 1262          | 1265        | 1268         | rBB      | 1414           | 1767          | 0.23%           | 0.023%        |
| 29        | 10.504      | 1271          | 1278        | 1285         | rBB      | 163067         | 269415        | 35.23%          | 3.454%        |
| 30        | 11.010      | 1361          | 1364        | 1366         | rBB      | 1118           | 1241          | 0.16%           | 0.016%        |
| 31        | 11.057      | 1367          | 1372        | 1382         | rBB      | 1822           | 4187          | 0.55%           | 0.054%        |
| 32        | 11.293      | 1408          | 1412        | 1413         | rBV      | 2164           | 2444          | 0.32%           | 0.031%        |
| 33        | 11.316      | 1413          | 1416        | 1420         | rVB      | 3706           | 5288          | 0.69%           | 0.068%        |
| 34        | 11.428      | 1431          | 1435        | 1441         | rBV      | 2713           | 5477          | 0.72%           | 0.070%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 12.093 | 1545 | 1548 | 1552 | rBB  | 1660   | 2351   | 0.31%   | 0.030% |
| 36 | 12.487 | 1613 | 1615 | 1619 | rBB  | 1553   | 1880   | 0.25%   | 0.024% |
| 37 | 12.946 | 1691 | 1693 | 1696 | rBB  | 998    | 1043   | 0.14%   | 0.013% |
| 38 | 13.104 | 1718 | 1720 | 1725 | rBB  | 1241   | 2092   | 0.27%   | 0.027% |
| 39 | 13.769 | 1827 | 1833 | 1840 | rBB  | 306299 | 410831 | 53.72%  | 5.267% |
| 40 | 14.051 | 1875 | 1881 | 1892 | rBB  | 324196 | 471428 | 61.64%  | 6.044% |
| 41 | 14.357 | 1925 | 1933 | 1940 | rBB2 | 258051 | 379392 | 49.60%  | 4.864% |
| 42 | 14.581 | 1967 | 1971 | 1988 | rBV  | 33812  | 72205  | 9.44%   | 0.926% |
| 43 | 15.351 | 2096 | 2102 | 2110 | rBB  | 436144 | 626674 | 81.94%  | 8.035% |
| 44 | 15.481 | 2119 | 2124 | 2130 | rBB  | 121225 | 156847 | 20.51%  | 2.011% |
| 45 | 15.592 | 2140 | 2143 | 2146 | rBB  | 3169   | 3256   | 0.43%   | 0.042% |
| 46 | 17.110 | 2395 | 2401 | 2407 | rBV2 | 314504 | 443136 | 57.94%  | 5.681% |
| 47 | 17.204 | 2411 | 2417 | 2431 | rBB  | 456877 | 656425 | 85.83%  | 8.416% |
| 48 | 17.386 | 2445 | 2448 | 2451 | rBB  | 1459   | 1629   | 0.21%   | 0.021% |
| 49 | 17.992 | 2547 | 2551 | 2556 | rBB  | 11250  | 13919  | 1.82%   | 0.178% |
| 50 | 18.069 | 2561 | 2564 | 2567 | rBB  | 1937   | 2378   | 0.31%   | 0.030% |
| 51 | 19.139 | 2743 | 2746 | 2752 | rVB  | 3712   | 4319   | 0.56%   | 0.055% |
| 52 | 19.275 | 2766 | 2769 | 2774 | rBV  | 7613   | 8659   | 1.13%   | 0.111% |
| 53 | 19.398 | 2786 | 2790 | 2795 | rVB  | 3035   | 3308   | 0.43%   | 0.042% |
| 54 | 19.510 | 2803 | 2809 | 2815 | rBV  | 597839 | 764829 | 100.00% | 9.806% |
| 55 | 19.563 | 2815 | 2818 | 2825 | rVB  | 1262   | 1857   | 0.24%   | 0.024% |
| 56 | 20.998 | 3059 | 3062 | 3064 | rBV2 | 2270   | 2020   | 0.26%   | 0.026% |
| 57 | 21.027 | 3064 | 3067 | 3070 | rVB  | 5033   | 4553   | 0.60%   | 0.058% |
| 58 | 21.304 | 3109 | 3114 | 3123 | rBV  | 349110 | 437528 | 57.21%  | 5.610% |
| 59 | 21.439 | 3133 | 3137 | 3139 | rBV2 | 5762   | 5501   | 0.72%   | 0.071% |
| 60 | 21.874 | 3207 | 3211 | 3216 | rVB  | 12586  | 13429  | 1.76%   | 0.172% |
| 61 | 22.221 | 3269 | 3270 | 3274 | rBV4 | 1601   | 1900   | 0.25%   | 0.024% |
| 62 | 22.333 | 3285 | 3289 | 3294 | rBV  | 24091  | 29407  | 3.84%   | 0.377% |
| 63 | 22.839 | 3369 | 3375 | 3380 | rBV  | 29060  | 39258  | 5.13%   | 0.503% |
| 64 | 23.421 | 3466 | 3474 | 3484 | rBV2 | 313182 | 598807 | 78.29%  | 7.677% |
| 65 | 23.563 | 3491 | 3498 | 3507 | rBV2 | 198145 | 380771 | 49.79%  | 4.882% |
| 66 | 24.057 | 3575 | 3582 | 3589 | rBV  | 23364  | 42243  | 5.52%   | 0.542% |
| 67 | 24.798 | 3702 | 3708 | 3717 | rBV  | 16629  | 34097  | 4.46%   | 0.437% |
| 68 | 25.668 | 3850 | 3856 | 3864 | rVB3 | 8472   | 19292  | 2.52%   | 0.247% |
| 69 | 26.704 | 4025 | 4032 | 4039 | rVB5 | 4703   | 12367  | 1.62%   | 0.159% |

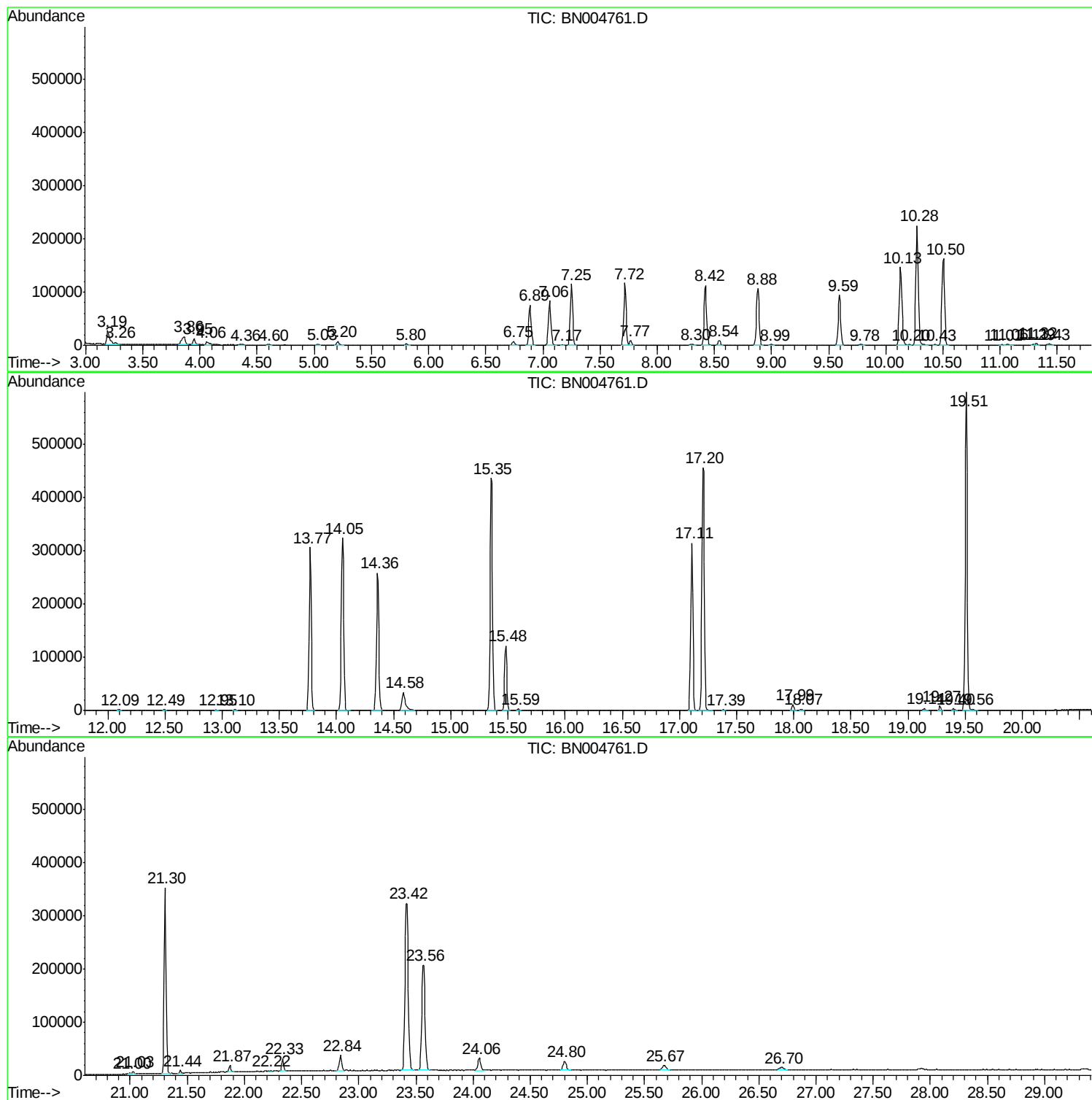
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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



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Instrument :  
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C0962

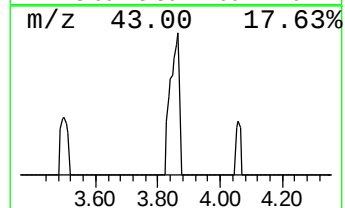
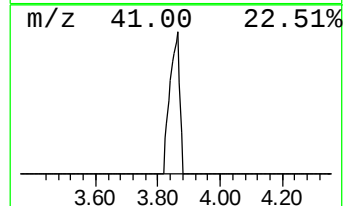
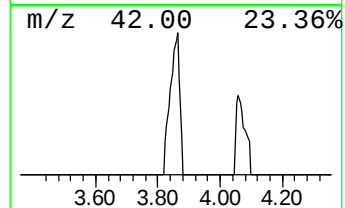
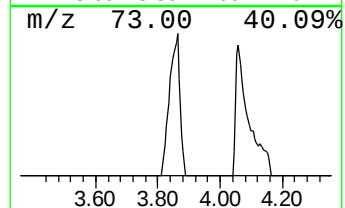
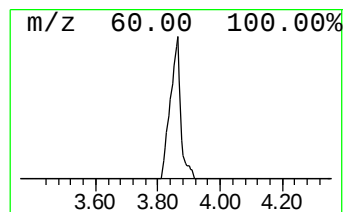
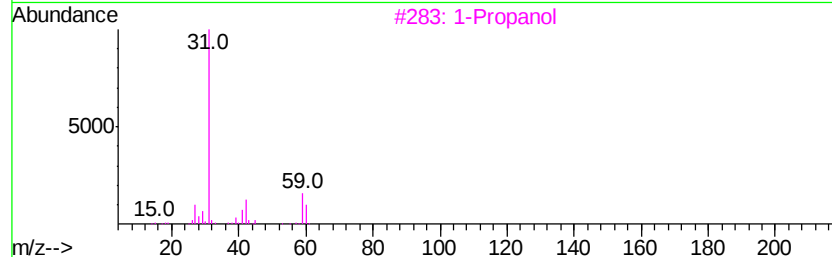
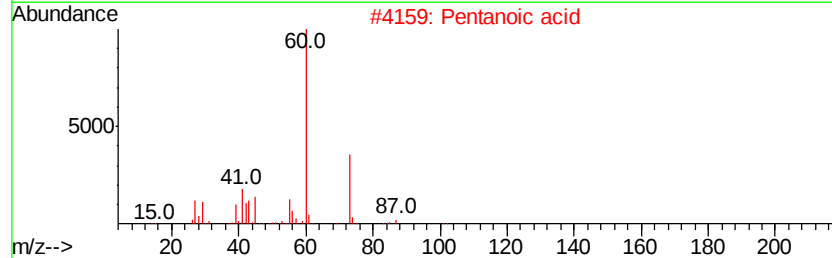
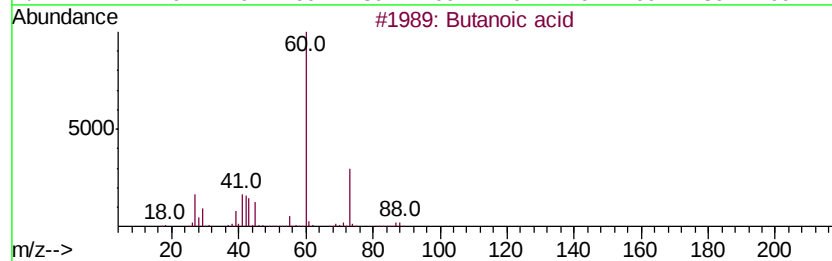
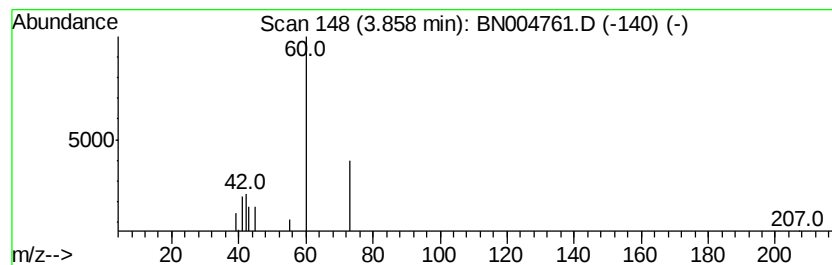
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butanoic acid Concentration Rank 2

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 3.86 | 3.76 ng/ul | 32632 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid            | 88  | C4H8O2  | 000107-92-6 | 74   |
| 2    |    | Pentanoic acid           | 102 | C5H10O2 | 000109-52-4 | 9    |
| 3    |    | 1-Propanol               | 60  | C3H8O   | 000071-23-8 | 5    |
| 4    |    | Formic acid hydrazide    | 60  | CH4N2O  | 000624-84-0 | 4    |
| 5    |    | Hydrazine, 1,1-dimethyl- | 60  | C2H8N2  | 000057-14-7 | 4    |



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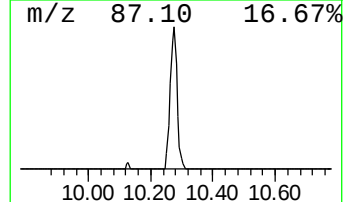
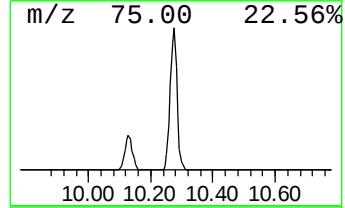
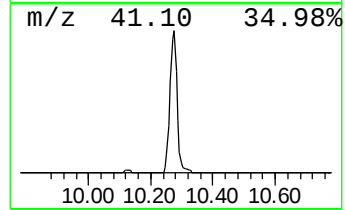
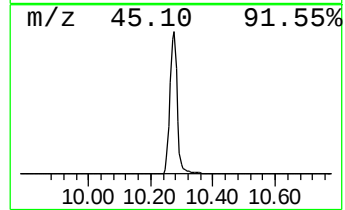
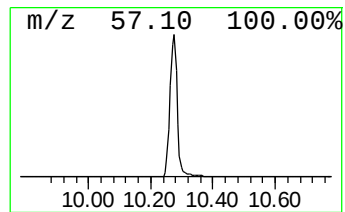
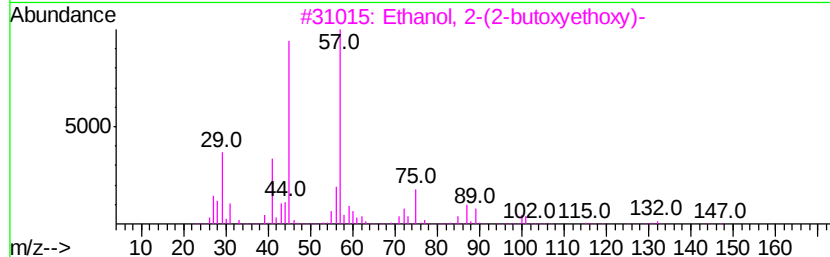
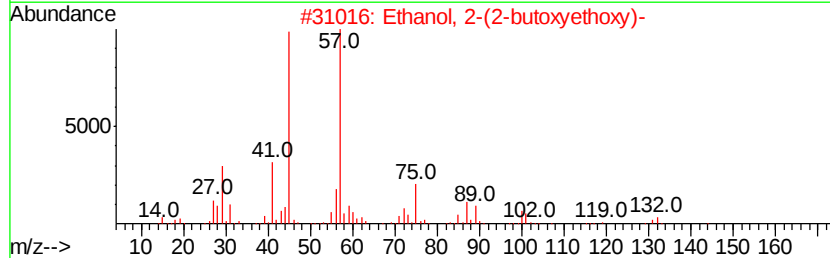
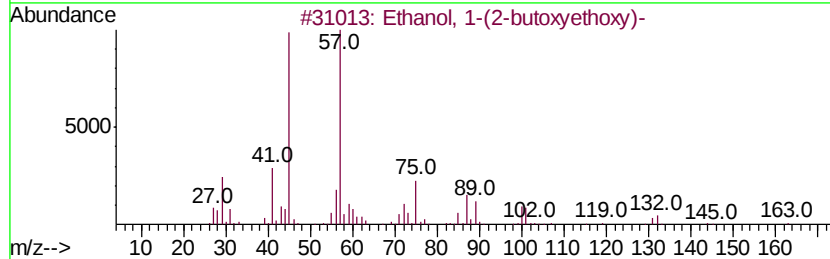
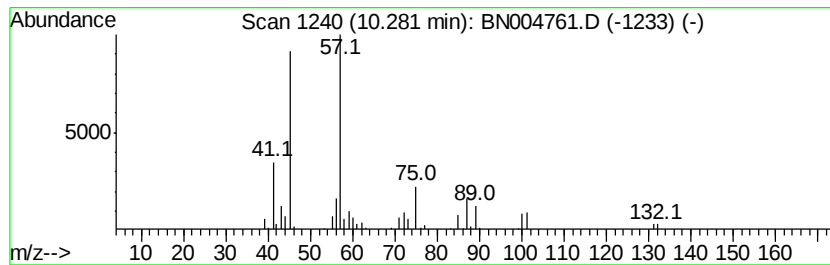
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 10.28 | 25.91 ng/ul | 349056 | Naphthalene-d8   | 10.50 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 90   |
| 2    |    | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90   |
| 3    |    | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90   |
| 4    |    | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 83   |
| 5    |    | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 64   |



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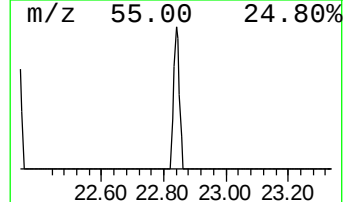
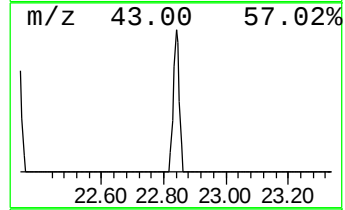
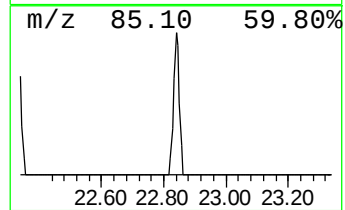
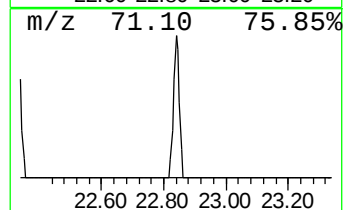
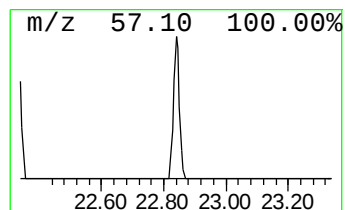
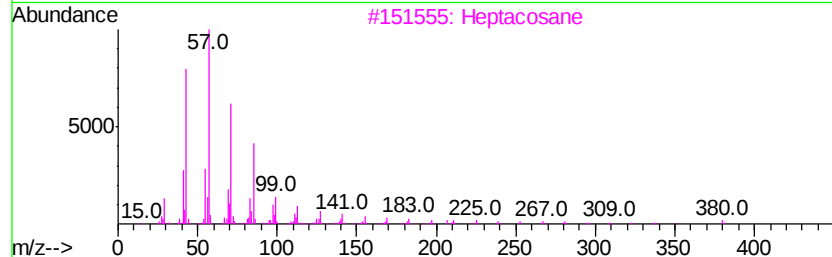
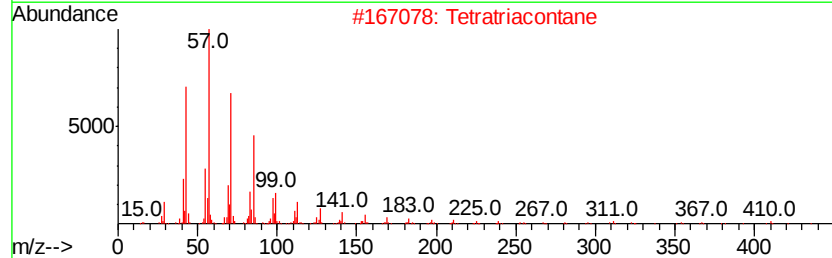
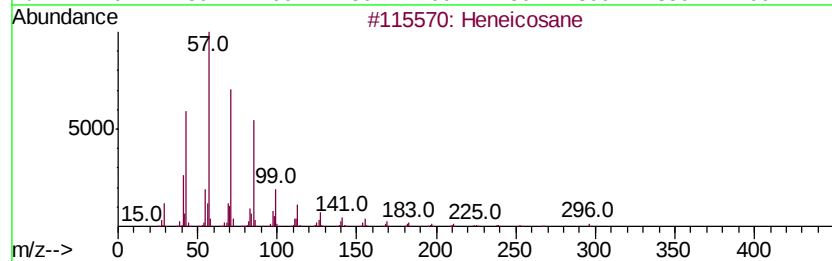
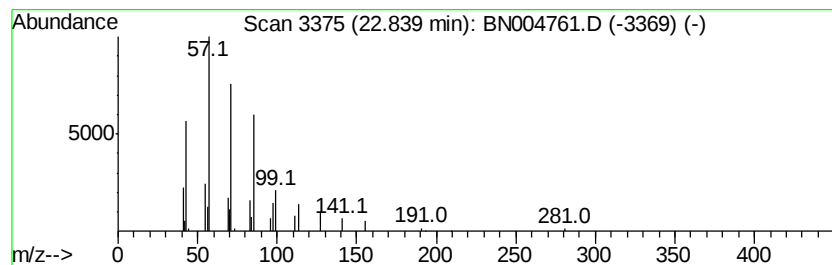
TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.84 | 2.06 ng/ul | 39258 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Heptacosane      | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Hexacosane       | 366 | C26H54  | 000630-01-3 | 90   |



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Quant Title : SVOA CALIBRATION

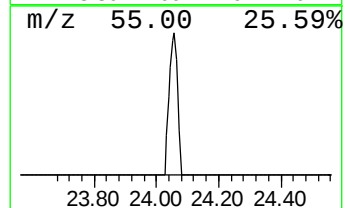
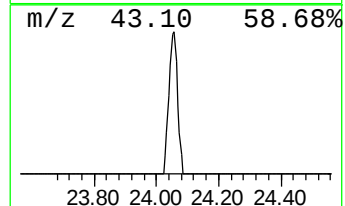
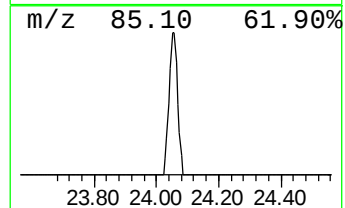
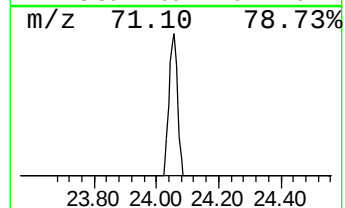
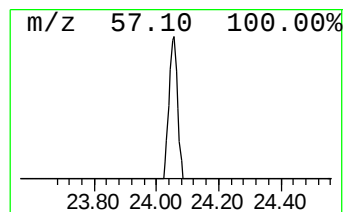
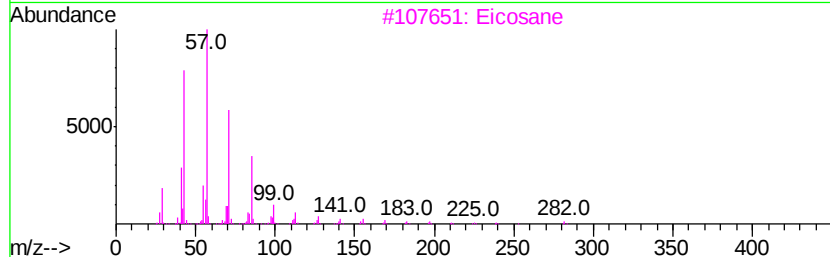
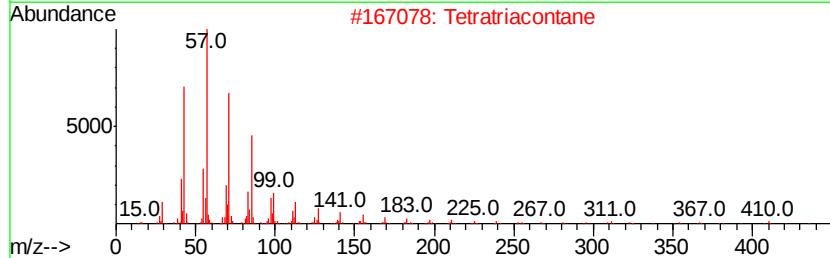
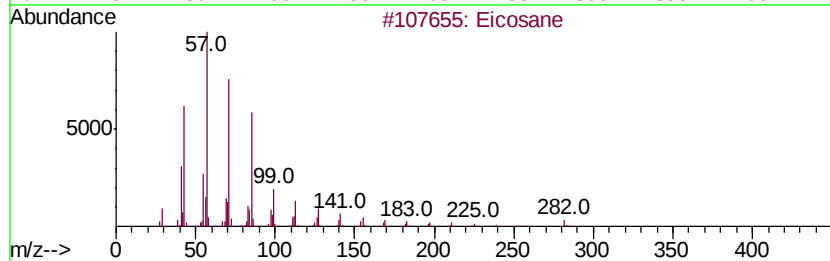
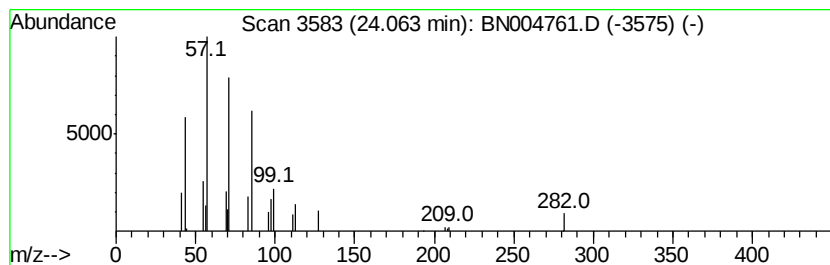
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.06 | 2.22 ng/ul | 42243 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    | Tetratriacontane   | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 90   |
| 4    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 90   |
| 5    |    | Eicosane, 9-octyl- | 394 | C28H58  | 013475-77-9 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN031419\  
Data File : BN004761.D  
Acq On : 14 Mar 2019 20:58  
Operator : JU/SJ  
Sample : K1784-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0962

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
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 |
| Butanoic acid        | 3.86  | 3.8     | ng/ul | 32632    | 1                     | 7.72  | 173384 | 20.0 |
| Ethanol, 1-(2-but... | 10.28 | 25.9    | ng/ul | 349056   | 2                     | 10.50 | 269415 | 20.0 |
| (DEL) Alkane: Str... | 22.84 | 2.1     | ng/ul | 39258    | 6                     | 23.57 | 380771 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 2.2     | ng/ul | 42243    | 6                     | 23.57 | 380771 | 20.0 |