

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
 Data File : BN005613.D  
 Acq On : 11 May 2019 06:03  
 Operator : JU/SJ  
 Sample : K2613-19  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFHD3

## 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-BN041919MA.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         | 3.693       | 116           | 120         | 128          | rVB2     | 38156          | 55153         | 1.93%           | 0.143%        |
| 2         | 4.864       | 315           | 319         | 324          | rBV3     | 18899          | 32033         | 1.12%           | 0.083%        |
| 3         | 6.769       | 637           | 643         | 658          | rVB      | 426956         | 827629        | 28.93%          | 2.149%        |
| 4         | 6.928       | 664           | 670         | 681          | rVB      | 343394         | 559388        | 19.55%          | 1.452%        |
| 5         | 7.122       | 696           | 703         | 713          | rBV      | 482118         | 788275        | 27.55%          | 2.046%        |
| 6         | 7.581       | 775           | 781         | 790          | rBV      | 718774         | 1167394       | 40.81%          | 3.031%        |
| 7         | 8.216       | 886           | 889         | 895          | rVB5     | 8048           | 10787         | 0.38%           | 0.028%        |
| 8         | 8.287       | 895           | 901         | 913          | rBV      | 550414         | 959890        | 33.55%          | 2.492%        |
| 9         | 8.728       | 969           | 976         | 992          | rBV      | 450671         | 791745        | 27.68%          | 2.055%        |
| 10        | 8.863       | 996           | 999         | 1001         | rBV3     | 3565           | 4478          | 0.16%           | 0.012%        |
| 11        | 9.152       | 1045          | 1048        | 1053         | rVB2     | 10139          | 13346         | 0.47%           | 0.035%        |
| 12        | 9.440       | 1090          | 1097        | 1108         | rBV      | 382618         | 677432        | 23.68%          | 1.759%        |
| 13        | 9.816       | 1157          | 1161        | 1164         | rVB4     | 4954           | 7685          | 0.27%           | 0.020%        |
| 14        | 9.899       | 1170          | 1175        | 1182         | rBV4     | 23181          | 38732         | 1.35%           | 0.101%        |
| 15        | 9.981       | 1182          | 1189        | 1204         | rBV      | 537879         | 1067486       | 37.31%          | 2.771%        |
| 16        | 10.340      | 1241          | 1250        | 1265         | rBV      | 985052         | 1698572       | 59.37%          | 4.410%        |
| 17        | 10.493      | 1268          | 1276        | 1296         | rBV      | 243632         | 587541        | 20.54%          | 1.525%        |
| 18        | 10.710      | 1310          | 1313        | 1314         | rBV3     | 3750           | 3559          | 0.12%           | 0.009%        |
| 19        | 11.863      | 1503          | 1509        | 1511         | rBV3     | 3192           | 5281          | 0.18%           | 0.014%        |
| 20        | 11.987      | 1517          | 1530        | 1537         | rBV3     | 62676          | 130858        | 4.57%           | 0.340%        |
| 21        | 12.557      | 1621          | 1627        | 1635         | rBV4     | 7772           | 15499         | 0.54%           | 0.040%        |
| 22        | 12.634      | 1635          | 1640        | 1645         | rVV4     | 6413           | 10611         | 0.37%           | 0.028%        |
| 23        | 12.810      | 1665          | 1670        | 1671         | rBV3     | 5200           | 5953          | 0.21%           | 0.015%        |
| 24        | 12.822      | 1671          | 1672        | 1676         | rVB3     | 3887           | 3800          | 0.13%           | 0.010%        |
| 25        | 12.998      | 1699          | 1702        | 1706         | rBV4     | 3804           | 5730          | 0.20%           | 0.015%        |
| 26        | 13.181      | 1730          | 1733        | 1735         | rBV3     | 4659           | 5211          | 0.18%           | 0.014%        |
| 27        | 13.534      | 1791          | 1793        | 1796         | rVB3     | 5220           | 4314          | 0.15%           | 0.011%        |
| 28        | 13.634      | 1803          | 1810        | 1814         | rBV      | 1144199        | 1577087       | 55.13%          | 4.094%        |
| 29        | 13.681      | 1814          | 1818        | 1827         | rVB      | 362487         | 534134        | 18.67%          | 1.387%        |
| 30        | 13.845      | 1840          | 1846        | 1850         | rBV3     | 23069          | 42412         | 1.48%           | 0.110%        |
| 31        | 13.904      | 1850          | 1856        | 1863         | rVV      | 1242212        | 1892929       | 66.17%          | 4.914%        |
| 32        | 14.040      | 1876          | 1879        | 1885         | rVB5     | 18506          | 28647         | 1.00%           | 0.074%        |
| 33        | 14.122      | 1887          | 1893        | 1898         | rBV8     | 7020           | 19051         | 0.67%           | 0.049%        |
| 34        | 14.216      | 1900          | 1909        | 1918         | rBV2     | 1478861        | 2308073       | 80.68%          | 5.992%        |

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## Integration Parameters: LSCINT.P

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 14.310 | 1923 | 1925 | 1931 | rVB6 | 14330   | 17363   | 0.61%   | 0.045% |
| 36 | 14.457 | 1941 | 1950 | 1960 | rBV2 | 258304  | 597066  | 20.87%  | 1.550% |
| 37 | 14.598 | 1971 | 1974 | 1978 | rBV6 | 14049   | 20848   | 0.73%   | 0.054% |
| 38 | 14.663 | 1982 | 1985 | 1990 | rVB7 | 14000   | 20543   | 0.72%   | 0.053% |
| 39 | 14.851 | 2011 | 2017 | 2028 | rBV  | 196104  | 331561  | 11.59%  | 0.861% |
| 40 | 14.981 | 2035 | 2039 | 2042 | rBV2 | 27313   | 30808   | 1.08%   | 0.080% |
| 41 | 15.092 | 2056 | 2058 | 2061 | rBV4 | 9092    | 12202   | 0.43%   | 0.032% |
| 42 | 15.222 | 2072 | 2080 | 2086 | rBV  | 1566535 | 2372702 | 82.94%  | 6.160% |
| 43 | 15.269 | 2086 | 2088 | 2095 | rVB8 | 26270   | 40621   | 1.42%   | 0.105% |
| 44 | 15.369 | 2099 | 2105 | 2115 | rBV  | 223468  | 393814  | 13.77%  | 1.022% |
| 45 | 15.539 | 2132 | 2134 | 2135 | rBV2 | 6876    | 4266    | 0.15%   | 0.011% |
| 46 | 15.645 | 2151 | 2152 | 2154 | rBV2 | 9066    | 6791    | 0.24%   | 0.018% |
| 47 | 15.916 | 2196 | 2198 | 2200 | rBV3 | 11735   | 9475    | 0.33%   | 0.025% |
| 48 | 15.963 | 2200 | 2206 | 2209 | rBV6 | 51270   | 77254   | 2.70%   | 0.201% |
| 49 | 16.310 | 2262 | 2265 | 2271 | rBV6 | 35310   | 50561   | 1.77%   | 0.131% |
| 50 | 16.975 | 2372 | 2378 | 2382 | rBV2 | 1864379 | 2649492 | 92.61%  | 6.878% |
| 51 | 17.016 | 2382 | 2385 | 2389 | rVV  | 282133  | 389573  | 13.62%  | 1.011% |
| 52 | 17.075 | 2389 | 2395 | 2407 | rVB  | 1649657 | 2475978 | 86.55%  | 6.428% |
| 53 | 17.892 | 2530 | 2534 | 2541 | rBV2 | 339149  | 576202  | 20.14%  | 1.496% |
| 54 | 19.051 | 2726 | 2731 | 2737 | rBV  | 1066427 | 1382993 | 48.34%  | 3.590% |
| 55 | 19.192 | 2752 | 2755 | 2761 | rBV3 | 173147  | 290234  | 10.15%  | 0.753% |
| 56 | 19.386 | 2783 | 2788 | 2791 | rBV2 | 1978581 | 2860850 | 100.00% | 7.427% |
| 57 | 19.416 | 2791 | 2793 | 2798 | rVB  | 895997  | 1017809 | 35.58%  | 2.642% |
| 58 | 20.933 | 3048 | 3051 | 3056 | rBV4 | 277274  | 435465  | 15.22%  | 1.131% |
| 59 | 21.204 | 3091 | 3097 | 3101 | rBV2 | 1789920 | 2764513 | 96.63%  | 7.177% |
| 60 | 21.239 | 3101 | 3103 | 3108 | rVB  | 419612  | 492471  | 17.21%  | 1.279% |
| 61 | 23.274 | 3444 | 3449 | 3453 | rBV2 | 851063  | 1435300 | 50.17%  | 3.726% |
| 62 | 23.410 | 3467 | 3472 | 3480 | rVB  | 1027290 | 1881700 | 65.77%  | 4.885% |

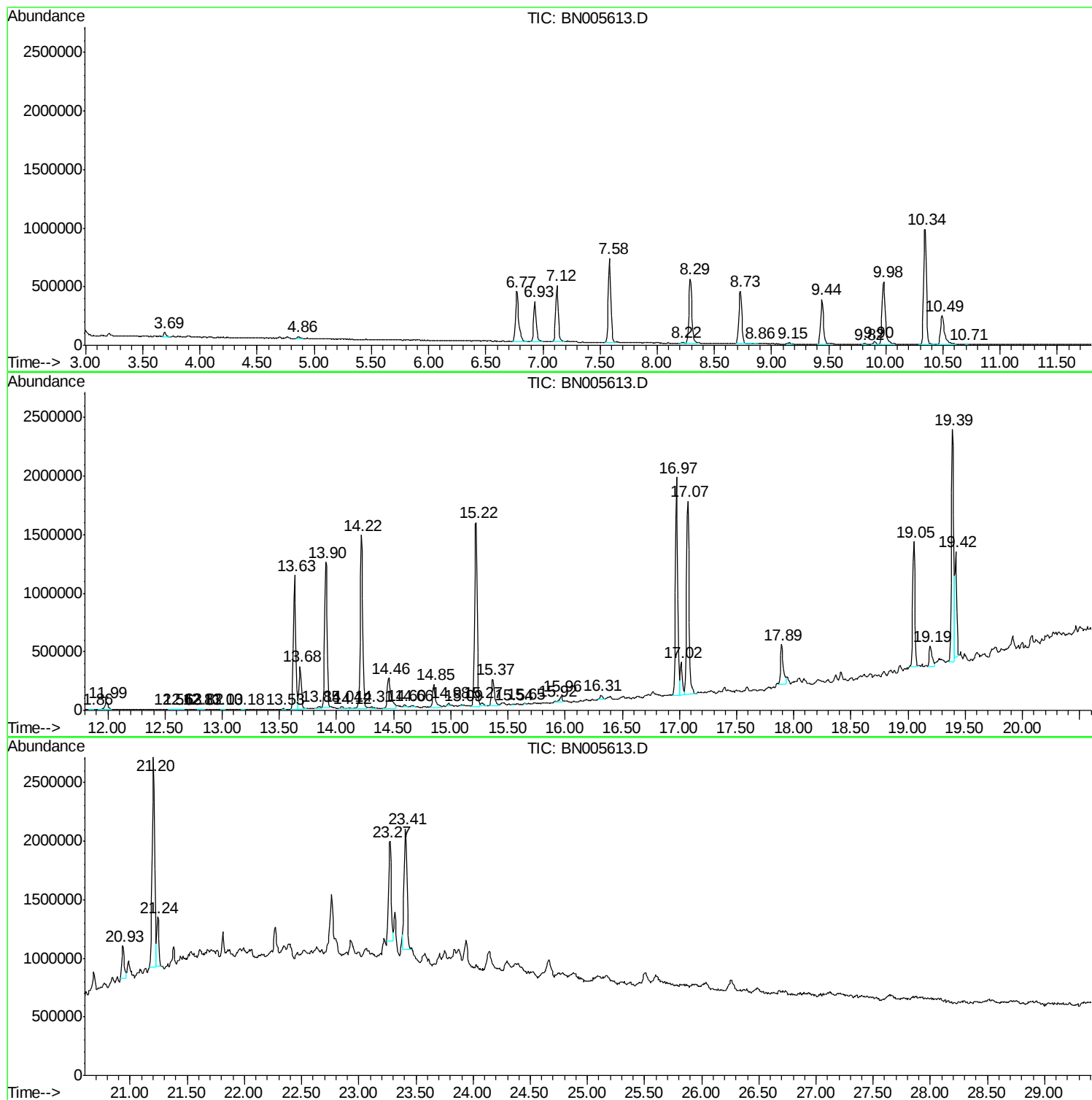
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Instrument :  
BNA\_N  
ClientSampleId :  
BFHD3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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



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Operator : JU/SJ  
Sample : K2613-19  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

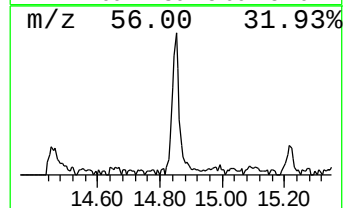
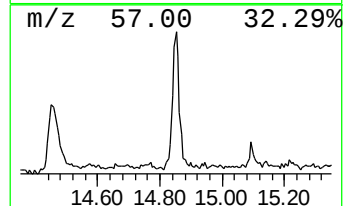
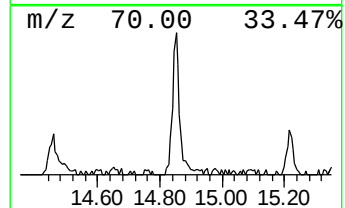
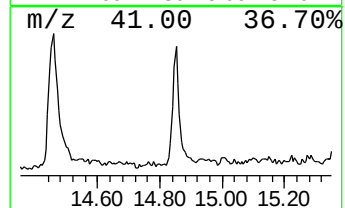
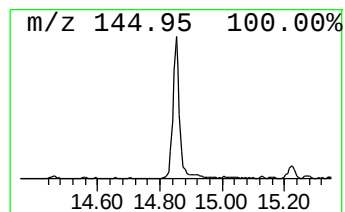
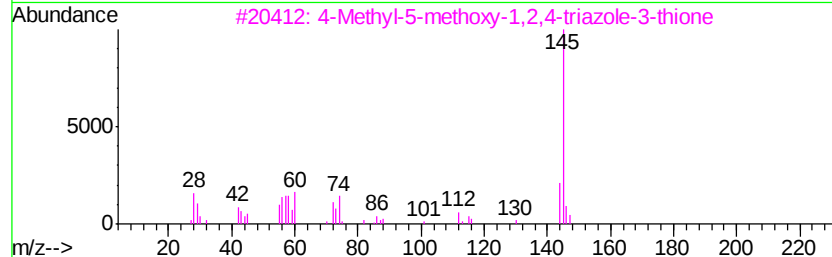
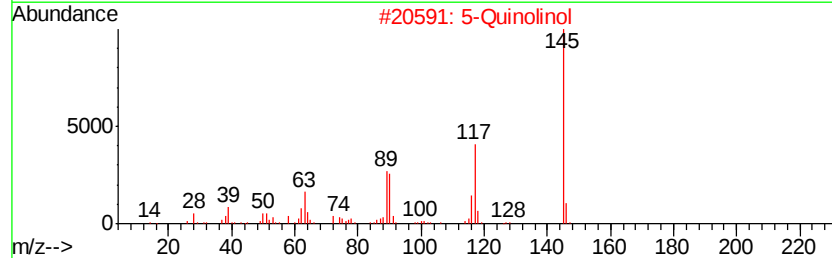
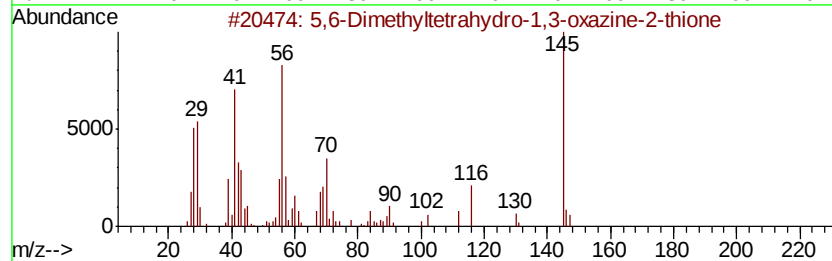
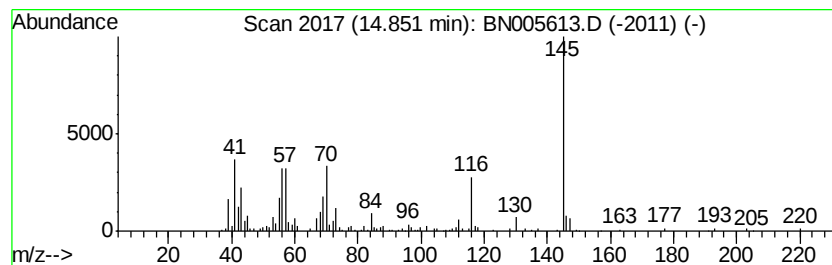
Instrument :  
BNA\_N  
ClientSampleId :  
BFHD3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 5,6-Dimethyltetrahydro-1,3-... Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 14.85   | 2.87 ng/ul                          | 331561       | Acenaphthene-d10 | 14.22     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 5,6-Dimethyltetrahydro-1,3-oxazi... | 145 C6H11NOS | 085333-97-7      | 59        |
| 2       | 5-Quinolinol                        | 145 C9H7NO   | 000578-67-6      | 43        |
| 3       | 4-Methyl-5-methoxy-1,2,4-triazol... | 145 C4H7N3OS | 066870-16-4      | 40        |
| 4       | 1,3,4-Thiadiazol-2-amine, 5-meth... | 145 C4H7N3OS | 054836-75-8      | 40        |
| 5       | 1,3,5-Triazine-2,4-diamine, 6-ch... | 145 C3H4ClN5 | 003397-62-4      | 38        |



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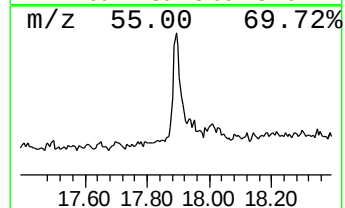
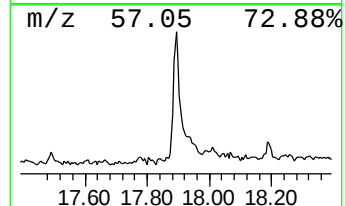
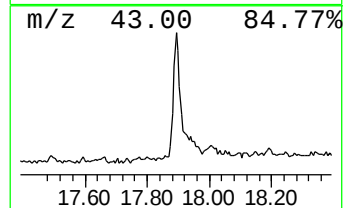
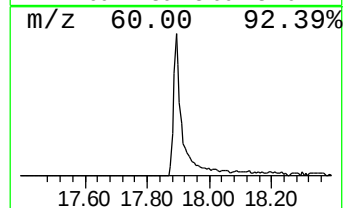
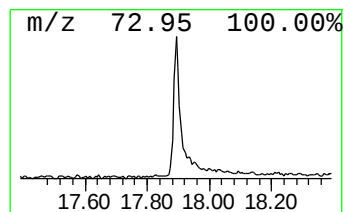
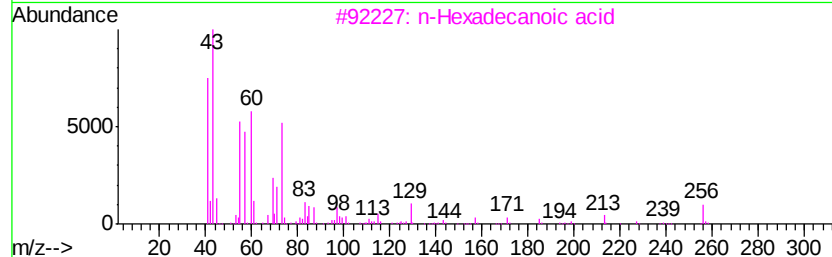
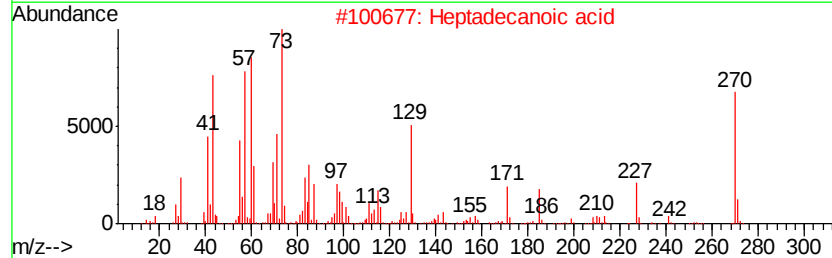
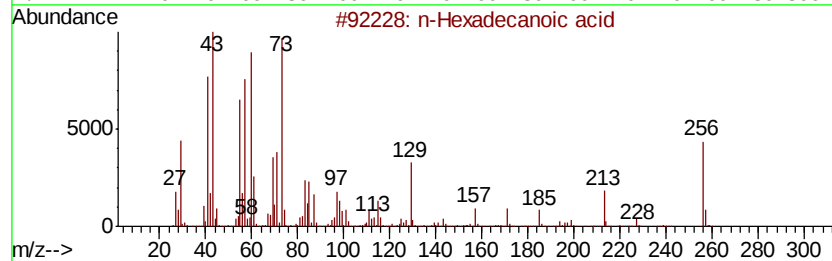
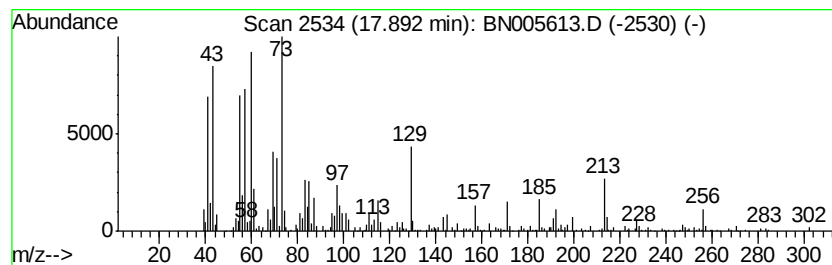
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.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   | 4.35 ng/ul          | 576202       | Phenanthrene-d10 | 16.97       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 2       | Heptadecanoic acid  | 270          | C17H34O2         | 000506-12-7 | 97   |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 94   |      |
| 4       | Heptadecanoic acid  | 270          | C17H34O2         | 000506-12-7 | 93   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 91   |      |



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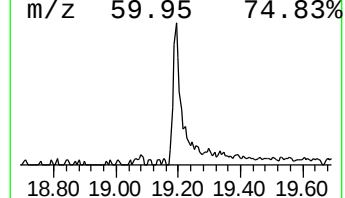
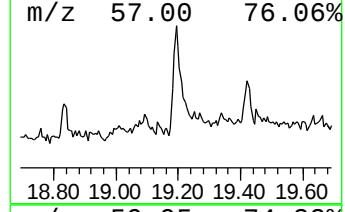
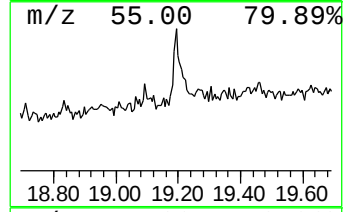
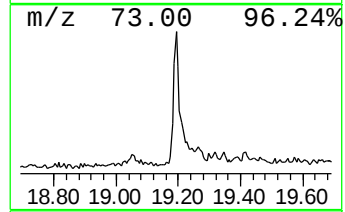
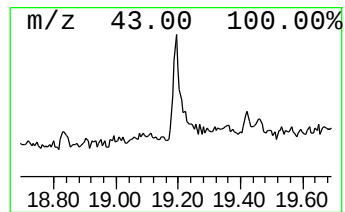
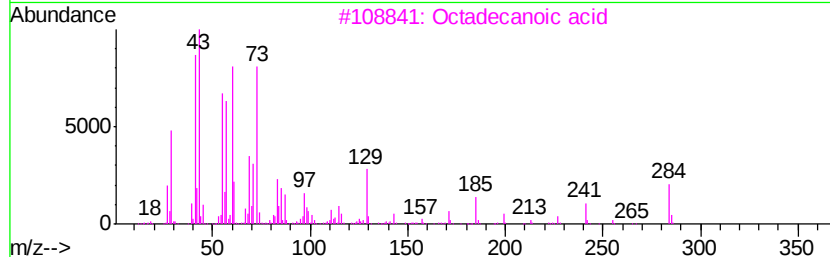
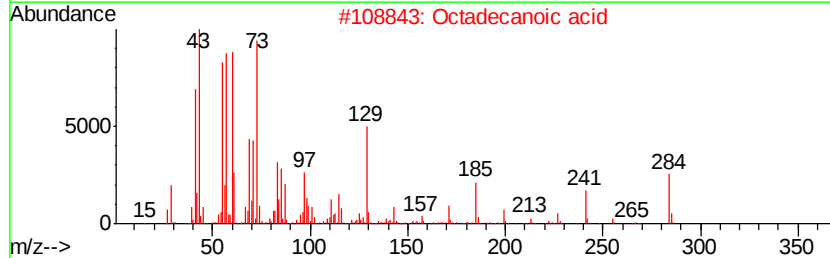
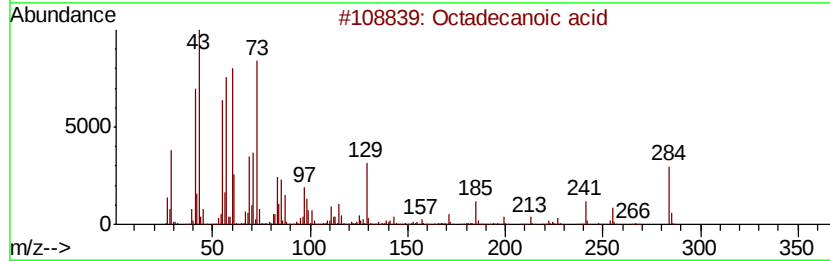
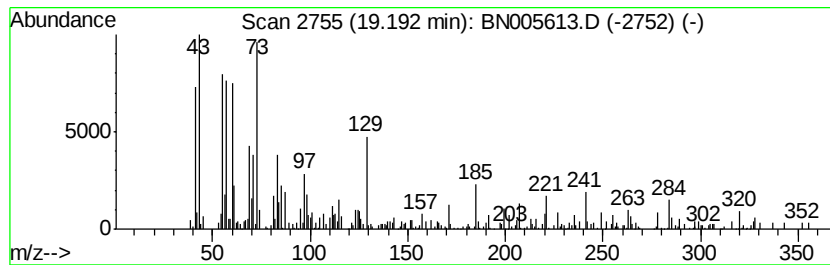
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 4

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.           |
|---------|--------------------|--------------|------------------|----------------|
| 19.19   | 2.10 ng/ul         | 290234       | Chrysene-d12     | 21.20          |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Octadecanoic acid  | 284          | C18H36O2         | 000057-11-4 99 |
| 2       | Octadecanoic acid  | 284          | C18H36O2         | 000057-11-4 98 |
| 3       | Octadecanoic acid  | 284          | C18H36O2         | 000057-11-4 97 |
| 4       | Octadecanoic acid  | 284          | C18H36O2         | 000057-11-4 91 |
| 5       | Tetradecanoic acid | 228          | C14H28O2         | 000544-63-8 76 |



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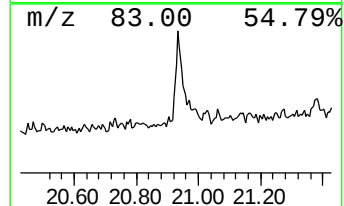
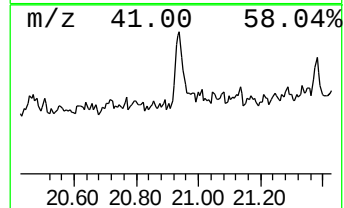
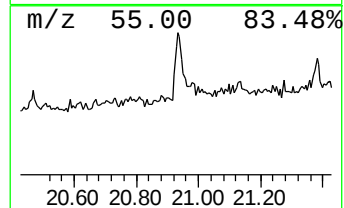
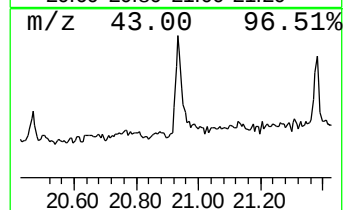
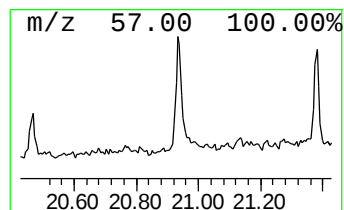
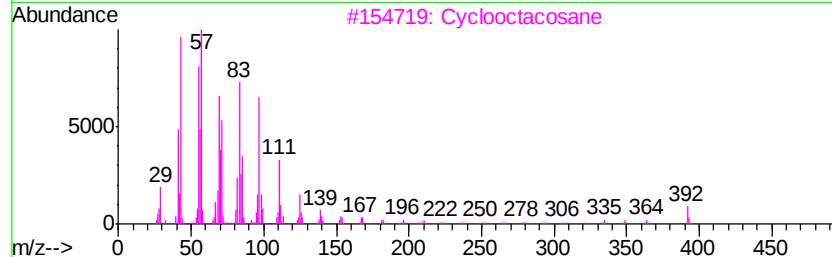
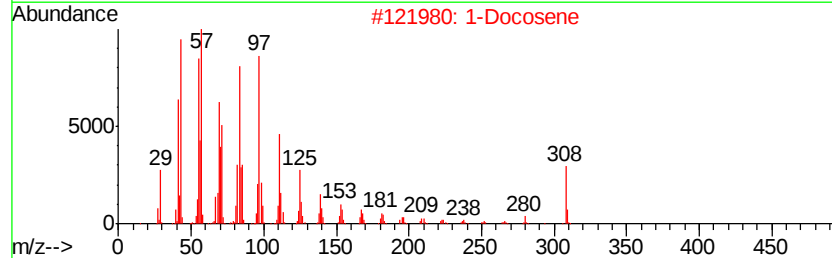
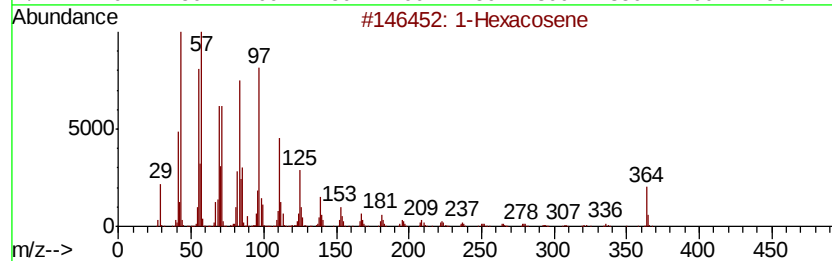
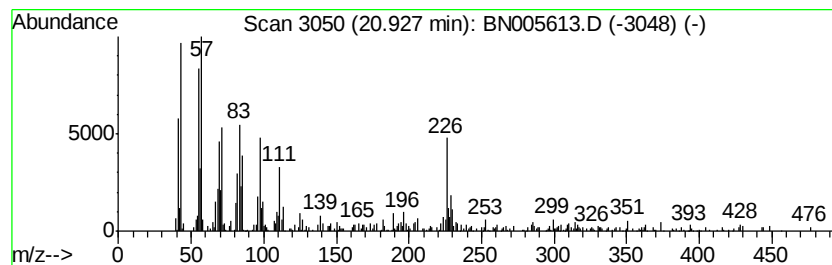
Instrument :  
BNA\_N  
ClientSampleId :  
BFHD3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic20.93 Concentration Rank 2

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 20.93     | 3.15 ng/ul           | 435465 | Chrysene-d12     | 21.20       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Hexacosene         | 364    | C26H52           | 018835-33-1 | 95   |
| 2         | 1-Docosene           | 308    | C22H44           | 001599-67-3 | 86   |
| 3         | Cyclooctacosane      | 392    | C28H56           | 000297-24-5 | 86   |
| 4         | 1-Docosanol, acetate | 368    | C24H48O2         | 000822-26-4 | 62   |
| 5         | 9-Tricosene, (Z)-    | 322    | C23H46           | 027519-02-4 | 55   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051019\  
Data File : BN005613.D  
Acq On : 11 May 2019 06:03  
Operator : JU/SJ  
Sample : K2613-19  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHD3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.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 |
| 5,6-Dimethyltetra... | 14.85 | 2.9     | ng/ul | 331561   | 3                     | 14.22 | 2308070 | 20.0 |
| n-Hexadecanoic acid  | 17.89 | 4.3     | ng/ul | 576202   | 4                     | 16.97 | 2649490 | 20.0 |
| Octadecanoic acid    | 19.19 | 2.1     | ng/ul | 290234   | 5                     | 21.20 | 2764510 | 20.0 |
| (DEL) Alkane: Cyc... | 20.93 | 3.1     | ng/ul | 435465   | 5                     | 21.20 | 2764510 | 20.0 |