

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
 Data File : BN005325.D  
 Acq On : 26 Apr 2019 20:29  
 Operator : JU/SJ  
 Sample : K2497-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHY0

## 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         | 3.217       | 35            | 39          | 48           | rVB      | 83532          | 123854        | 1.17%           | 0.102%        |
| 2         | 3.911       | 154           | 157         | 163          | rVB3     | 20726          | 28562         | 0.27%           | 0.023%        |
| 3         | 4.781       | 301           | 305         | 313          | rVB4     | 25348          | 42820         | 0.41%           | 0.035%        |
| 4         | 4.864       | 317           | 319         | 325          | rVB5     | 11141          | 13974         | 0.13%           | 0.011%        |
| 5         | 5.634       | 446           | 450         | 453          | rBV4     | 12183          | 17338         | 0.16%           | 0.014%        |
| 6         | 5.722       | 460           | 465         | 470          | rVB2     | 26238          | 38697         | 0.37%           | 0.032%        |
| 7         | 6.275       | 556           | 559         | 564          | rVB6     | 8052           | 12183         | 0.12%           | 0.010%        |
| 8         | 6.775       | 637           | 644         | 659          | rVB      | 1694474        | 2714333       | 25.71%          | 2.228%        |
| 9         | 6.940       | 666           | 672         | 682          | rVB      | 1347760        | 2064943       | 19.56%          | 1.695%        |
| 10        | 7.128       | 698           | 704         | 716          | rBV      | 1667358        | 2646052       | 25.06%          | 2.172%        |
| 11        | 7.593       | 776           | 783         | 790          | rBV      | 1608560        | 2522552       | 23.89%          | 2.070%        |
| 12        | 7.663       | 790           | 795         | 800          | rVB      | 82372          | 123570        | 1.17%           | 0.101%        |
| 13        | 8.293       | 894           | 902         | 916          | rBV      | 2129879        | 3423846       | 32.43%          | 2.810%        |
| 14        | 8.734       | 969           | 977         | 989          | rBV      | 1675034        | 2717138       | 25.74%          | 2.230%        |
| 15        | 8.910       | 1002          | 1007        | 1013         | rVB5     | 14273          | 23435         | 0.22%           | 0.019%        |
| 16        | 9.181       | 1048          | 1053        | 1058         | rVB2     | 32517          | 44329         | 0.42%           | 0.036%        |
| 17        | 9.446       | 1091          | 1098        | 1106         | rBV      | 1380199        | 2241805       | 21.24%          | 1.840%        |
| 18        | 9.975       | 1180          | 1188        | 1203         | rBV      | 2097209        | 3554326       | 33.67%          | 2.917%        |
| 19        | 10.352      | 1244          | 1252        | 1259         | rBV      | 2246017        | 3730874       | 35.34%          | 3.062%        |
| 20        | 10.493      | 1268          | 1276        | 1294         | rBV      | 2056237        | 3548217       | 33.61%          | 2.912%        |
| 21        | 11.810      | 1492          | 1500        | 1504         | rVB7     | 6961           | 17891         | 0.17%           | 0.015%        |
| 22        | 11.899      | 1504          | 1515        | 1519         | rBV6     | 15456          | 36982         | 0.35%           | 0.030%        |
| 23        | 11.951      | 1519          | 1524        | 1532         | rVV      | 31683          | 55237         | 0.52%           | 0.045%        |
| 24        | 12.028      | 1532          | 1537        | 1544         | rVB3     | 18877          | 33619         | 0.32%           | 0.028%        |
| 25        | 12.246      | 1564          | 1574        | 1581         | rVB5     | 11296          | 26493         | 0.25%           | 0.022%        |
| 26        | 12.834      | 1670          | 1674        | 1681         | rVB6     | 8180           | 16597         | 0.16%           | 0.014%        |
| 27        | 13.069      | 1709          | 1714        | 1721         | rVB4     | 15650          | 25501         | 0.24%           | 0.021%        |
| 28        | 13.134      | 1721          | 1725        | 1731         | rBV2     | 23432          | 33903         | 0.32%           | 0.028%        |
| 29        | 13.457      | 1776          | 1780        | 1782         | rBV5     | 7389           | 11744         | 0.11%           | 0.010%        |
| 30        | 13.546      | 1791          | 1795        | 1801         | rVB5     | 8775           | 12460         | 0.12%           | 0.010%        |
| 31        | 13.646      | 1806          | 1812        | 1816         | rVV      | 3889426        | 5410406       | 51.25%          | 4.441%        |
| 32        | 13.693      | 1816          | 1820        | 1831         | rVV      | 985462         | 1392262       | 13.19%          | 1.143%        |
| 33        | 13.916      | 1850          | 1858        | 1873         | rBV      | 4325940        | 6492125       | 61.50%          | 5.328%        |
| 34        | 14.151      | 1894          | 1898        | 1903         | rBV5     | 17302          | 25037         | 0.24%           | 0.021%        |

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 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

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 14.228 | 1903 | 1911 | 1924 | rVV2  | 3404837 | 5143553 | 48.72% | 4.222% |
| 36 | 14.434 | 1935 | 1946 | 1966 | rBV   | 1590915 | 2695068 | 25.53% | 2.212% |
| 37 | 14.587 | 1970 | 1972 | 1976 | rBV5  | 9340    | 13263   | 0.13%  | 0.011% |
| 38 | 14.663 | 1981 | 1985 | 1989 | rVB5  | 18253   | 26445   | 0.25%  | 0.022% |
| 39 | 14.845 | 2012 | 2016 | 2018 | rBV5  | 10534   | 12721   | 0.12%  | 0.010% |
| 40 | 15.057 | 2047 | 2052 | 2057 | rBV4  | 17501   | 27745   | 0.26%  | 0.023% |
| 41 | 15.110 | 2057 | 2061 | 2067 | rVB3  | 19923   | 24705   | 0.23%  | 0.020% |
| 42 | 15.228 | 2074 | 2081 | 2088 | rBV   | 5643988 | 7967857 | 75.48% | 6.540% |
| 43 | 15.281 | 2088 | 2090 | 2095 | rVB4  | 15472   | 19092   | 0.18%  | 0.016% |
| 44 | 15.351 | 2095 | 2102 | 2117 | rBV   | 1651908 | 2365565 | 22.41% | 1.942% |
| 45 | 15.469 | 2117 | 2122 | 2127 | rVB   | 67529   | 100037  | 0.95%  | 0.082% |
| 46 | 15.675 | 2152 | 2157 | 2159 | rBV6  | 6879    | 11539   | 0.11%  | 0.009% |
| 47 | 15.798 | 2175 | 2178 | 2181 | rBV3  | 8516    | 14504   | 0.14%  | 0.012% |
| 48 | 15.910 | 2194 | 2197 | 2200 | rBV5  | 10179   | 17326   | 0.16%  | 0.014% |
| 49 | 15.975 | 2205 | 2208 | 2211 | rVV4  | 18413   | 26325   | 0.25%  | 0.022% |
| 50 | 16.010 | 2211 | 2214 | 2218 | rVB4  | 29036   | 41589   | 0.39%  | 0.034% |
| 51 | 16.187 | 2240 | 2244 | 2248 | rVB4  | 9609    | 12936   | 0.12%  | 0.011% |
| 52 | 16.663 | 2317 | 2325 | 2331 | rBV10 | 13265   | 32550   | 0.31%  | 0.027% |
| 53 | 16.769 | 2339 | 2343 | 2348 | rBV4  | 34537   | 53166   | 0.50%  | 0.044% |
| 54 | 16.981 | 2373 | 2379 | 2385 | rVV2  | 4532833 | 6525342 | 61.81% | 5.356% |
| 55 | 17.022 | 2385 | 2386 | 2389 | rVV2  | 54056   | 41033   | 0.39%  | 0.034% |
| 56 | 17.081 | 2389 | 2396 | 2411 | rVV   | 6248116 | 8959828 | 84.87% | 7.354% |
| 57 | 17.186 | 2411 | 2414 | 2419 | rVB6  | 13222   | 19509   | 0.18%  | 0.016% |
| 58 | 17.510 | 2466 | 2469 | 2473 | rVV4  | 23394   | 29913   | 0.28%  | 0.025% |
| 59 | 17.681 | 2496 | 2498 | 2505 | rVB7  | 16516   | 22895   | 0.22%  | 0.019% |
| 60 | 17.863 | 2526 | 2529 | 2532 | rBV5  | 11328   | 18532   | 0.18%  | 0.015% |
| 61 | 17.904 | 2532 | 2536 | 2552 | rBV   | 707944  | 1316427 | 12.47% | 1.080% |
| 62 | 18.051 | 2558 | 2561 | 2566 | rVB5  | 25153   | 40479   | 0.38%  | 0.033% |
| 63 | 18.204 | 2584 | 2587 | 2593 | rBV3  | 48030   | 64837   | 0.61%  | 0.053% |
| 64 | 18.369 | 2612 | 2615 | 2619 | rVB6  | 18955   | 22781   | 0.22%  | 0.019% |
| 65 | 18.592 | 2649 | 2653 | 2655 | rBV5  | 11026   | 15647   | 0.15%  | 0.013% |
| 66 | 18.622 | 2655 | 2658 | 2661 | rBV5  | 14312   | 17095   | 0.16%  | 0.014% |
| 67 | 18.675 | 2664 | 2667 | 2671 | rVV6  | 22040   | 25564   | 0.24%  | 0.021% |
| 68 | 18.786 | 2682 | 2686 | 2692 | rBV5  | 38644   | 62519   | 0.59%  | 0.051% |
| 69 | 18.851 | 2692 | 2697 | 2705 | rBV   | 119845  | 173343  | 1.64%  | 0.142% |
| 70 | 18.928 | 2707 | 2710 | 2718 | rVB2  | 36812   | 67684   | 0.64%  | 0.056% |
| 71 | 19.022 | 2721 | 2726 | 2728 | rBV   | 87756   | 119547  | 1.13%  | 0.098% |

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

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 72  | 19.051 | 2728 | 2731 | 2741 | rVB  | 130898  | 236992   | 2.24%   | 0.195% |
| 73  | 19.204 | 2752 | 2757 | 2766 | rBV  | 591167  | 991112   | 9.39%   | 0.813% |
| 74  | 19.275 | 2767 | 2769 | 2776 | rVB  | 98812   | 143207   | 1.36%   | 0.118% |
| 75  | 19.392 | 2783 | 2789 | 2796 | rBV  | 7525821 | 10556932 | 100.00% | 8.665% |
| 76  | 19.757 | 2848 | 2851 | 2860 | rVB6 | 32980   | 76396    | 0.72%   | 0.063% |
| 77  | 19.892 | 2871 | 2874 | 2877 | rBV4 | 25969   | 40913    | 0.39%   | 0.034% |
| 78  | 19.980 | 2885 | 2889 | 2894 | rBV  | 408920  | 463656   | 4.39%   | 0.381% |
| 79  | 20.086 | 2904 | 2907 | 2911 | rVB  | 37359   | 39911    | 0.38%   | 0.033% |
| 80  | 20.228 | 2928 | 2931 | 2936 | rVB4 | 44807   | 53575    | 0.51%   | 0.044% |
| 81  | 20.275 | 2936 | 2939 | 2942 | rBV2 | 48191   | 59959    | 0.57%   | 0.049% |
| 82  | 20.357 | 2950 | 2953 | 2956 | rVB3 | 44531   | 48235    | 0.46%   | 0.040% |
| 83  | 20.486 | 2970 | 2975 | 2979 | rBV  | 753806  | 840316   | 7.96%   | 0.690% |
| 84  | 20.786 | 3023 | 3026 | 3029 | rBV4 | 40855   | 42844    | 0.41%   | 0.035% |
| 85  | 20.957 | 3050 | 3055 | 3062 | rBV  | 1101683 | 1396175  | 13.23%  | 1.146% |
| 86  | 21.151 | 3085 | 3088 | 3091 | rBV3 | 34606   | 45155    | 0.43%   | 0.037% |
| 87  | 21.210 | 3091 | 3098 | 3103 | rBV  | 5371789 | 7182412  | 68.04%  | 5.895% |
| 88  | 21.398 | 3126 | 3130 | 3137 | rBV  | 885458  | 983317   | 9.31%   | 0.807% |
| 89  | 21.627 | 3167 | 3169 | 3173 | rVV4 | 42022   | 47791    | 0.45%   | 0.039% |
| 90  | 21.669 | 3174 | 3176 | 3179 | rVB4 | 47366   | 43580    | 0.41%   | 0.036% |
| 91  | 21.833 | 3199 | 3204 | 3209 | rBV  | 664608  | 784707   | 7.43%   | 0.644% |
| 92  | 22.292 | 3277 | 3282 | 3288 | rVB  | 545601  | 735162   | 6.96%   | 0.603% |
| 93  | 22.410 | 3298 | 3302 | 3308 | rVB  | 314505  | 392100   | 3.71%   | 0.322% |
| 94  | 22.786 | 3362 | 3366 | 3378 | rVB  | 573478  | 872303   | 8.26%   | 0.716% |
| 95  | 23.269 | 3441 | 3448 | 3456 | rBV2 | 4449157 | 8024397  | 76.01%  | 6.586% |
| 96  | 23.339 | 3456 | 3460 | 3465 | rVV  | 459738  | 745645   | 7.06%   | 0.612% |
| 97  | 23.404 | 3465 | 3471 | 3483 | rVB2 | 3154355 | 5917821  | 56.06%  | 4.857% |
| 98  | 23.974 | 3563 | 3568 | 3576 | rVB  | 373534  | 692537   | 6.56%   | 0.568% |
| 99  | 24.704 | 3686 | 3692 | 3701 | rVB  | 291708  | 633421   | 6.00%   | 0.520% |
| 100 | 25.551 | 3831 | 3836 | 3845 | rVB4 | 158547  | 378269   | 3.58%   | 0.310% |

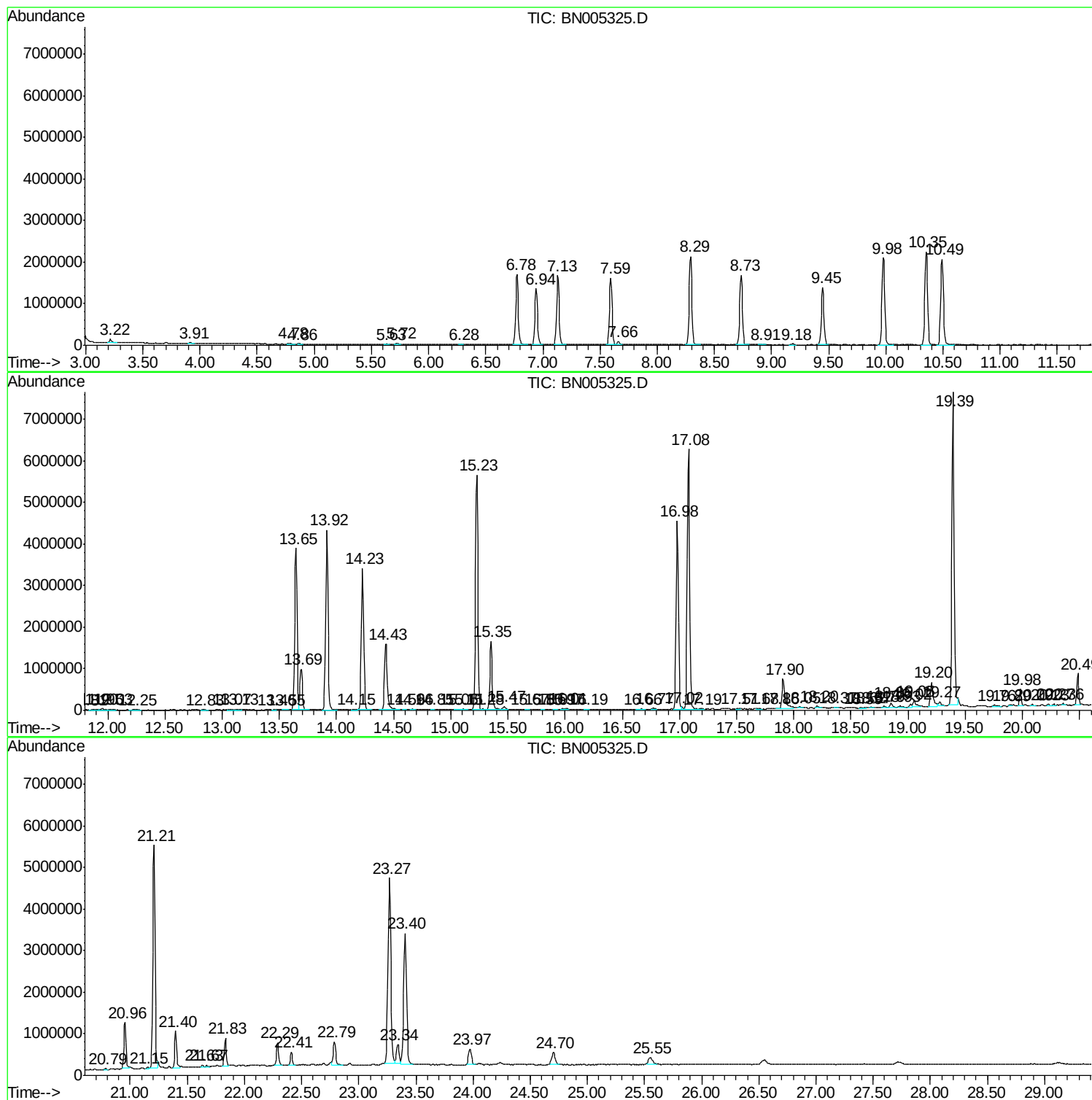
Sum of corrected areas: 121840906

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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



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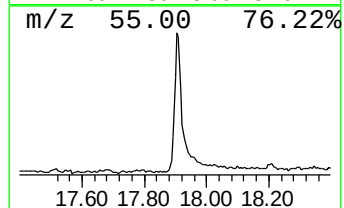
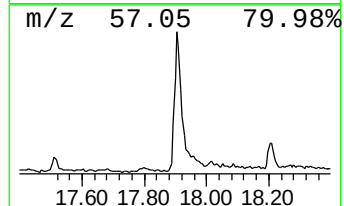
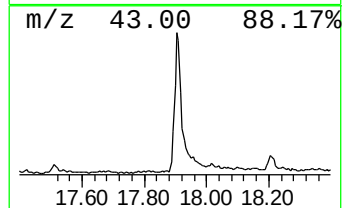
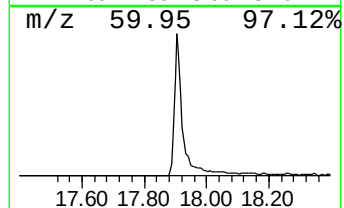
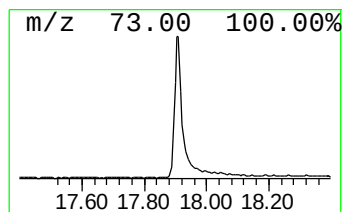
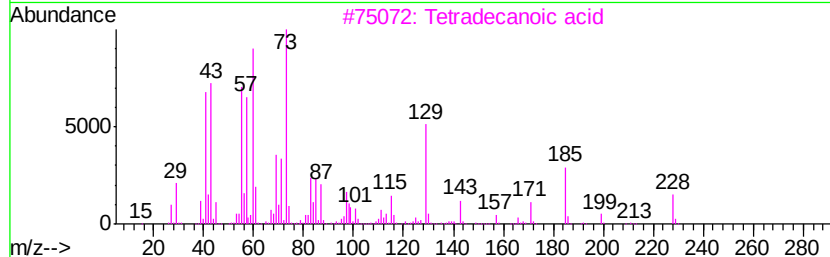
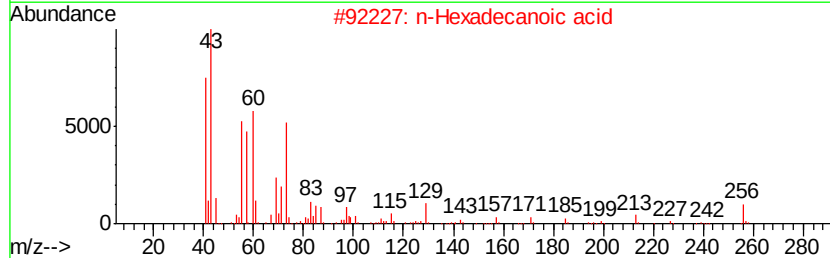
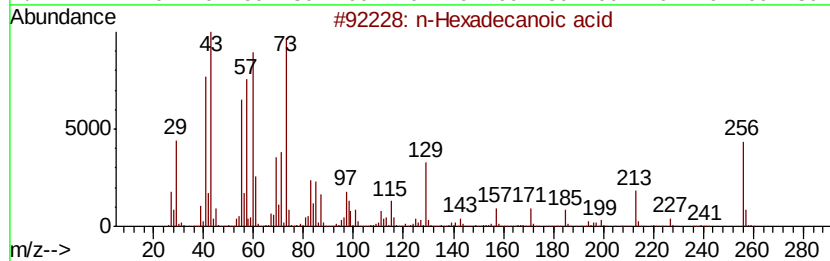
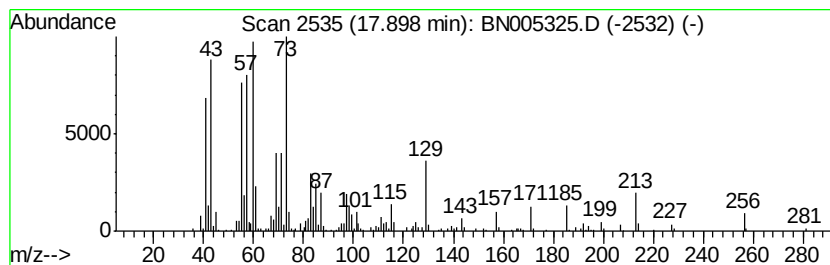
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.      | EstConc             | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------|---------|------------------|-------------|------|
| 17.90     | 4.03 ng/ul          | 1316430 | Phenanthrene-d10 | 16.98       |      |
| 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 | 95   |
| 3         | Tetradecanoic acid  | 228     | C14H28O2         | 000544-63-8 | 91   |
| 4         | Pentadecanoic acid  | 242     | C15H30O2         | 001002-84-2 | 87   |
| 5         | Tetradecanoic acid  | 228     | C14H28O2         | 000544-63-8 | 80   |



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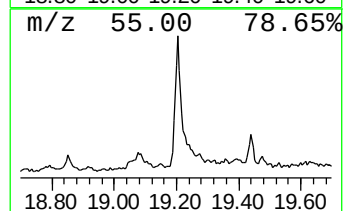
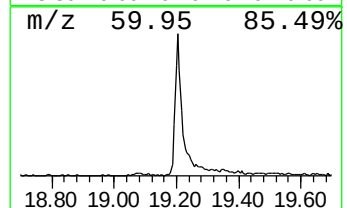
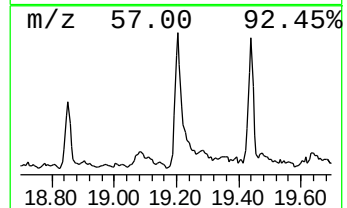
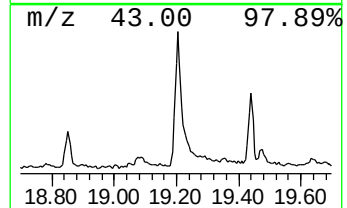
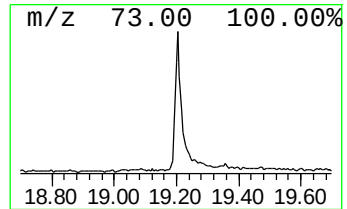
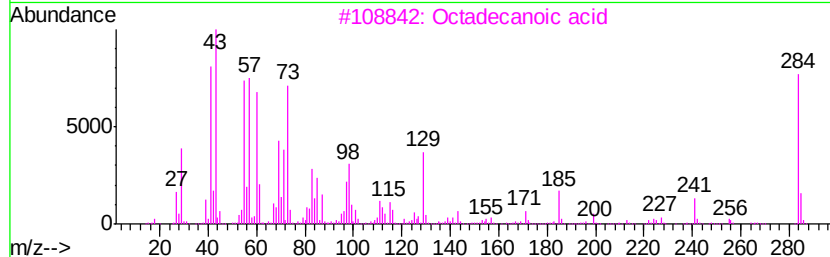
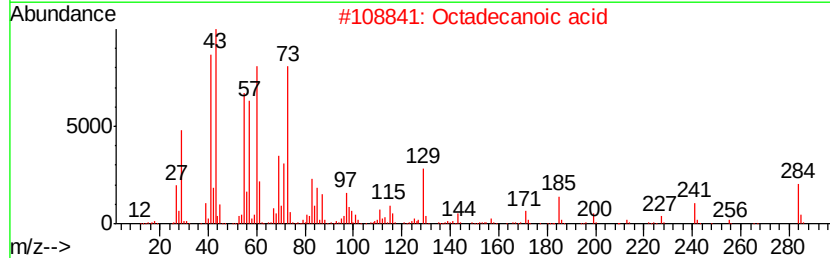
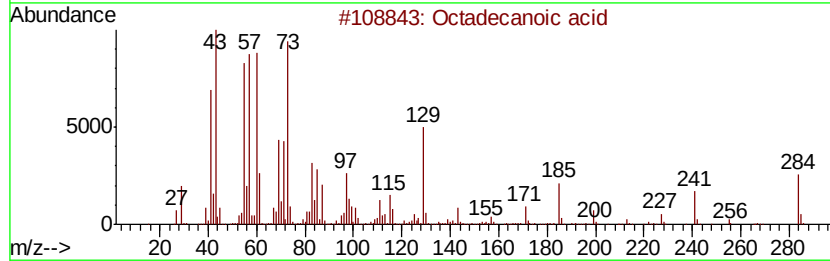
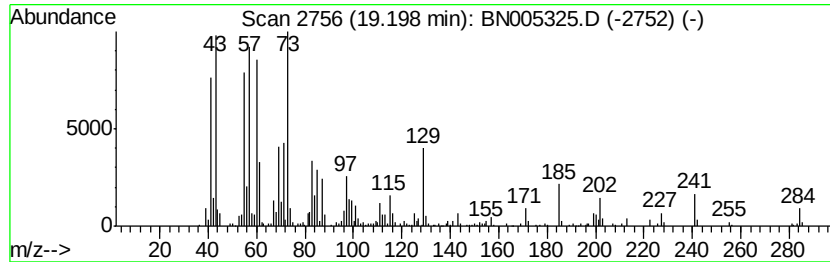
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 4

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.           |
|---------|--------------------|--------------|------------------|----------------|
| 19.20   | 2.76 ng/ul         | 991112       | Chrysene-d12     | 21.21          |
| 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 94 |
| 4       | Octadecanoic acid  | 284          | C18H36O2         | 000057-11-4 93 |
| 5       | Tetradecanoic acid | 228          | C14H28O2         | 000544-63-8 89 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

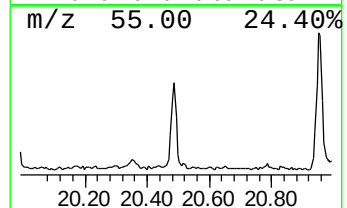
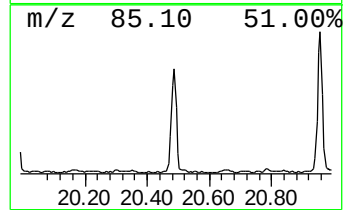
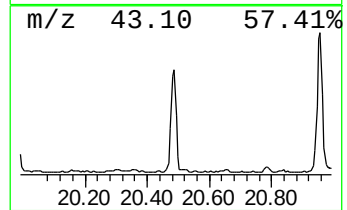
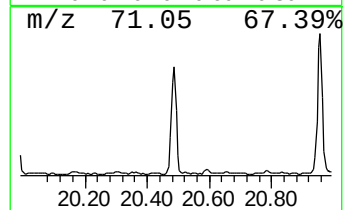
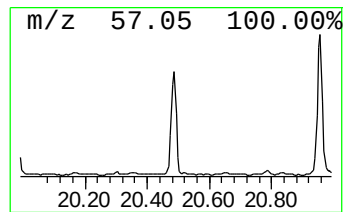
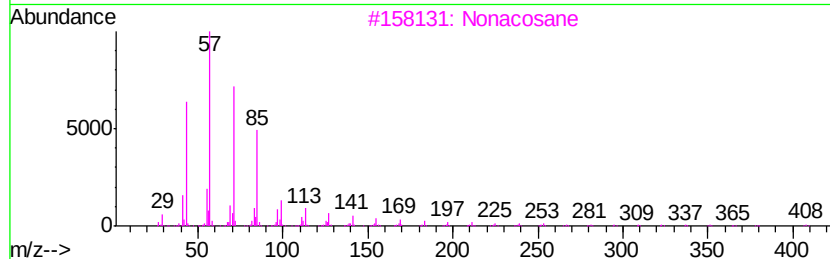
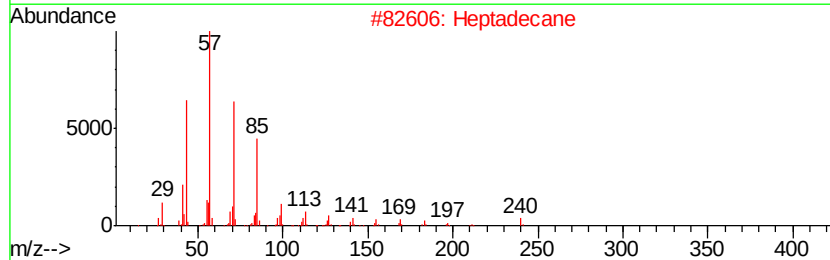
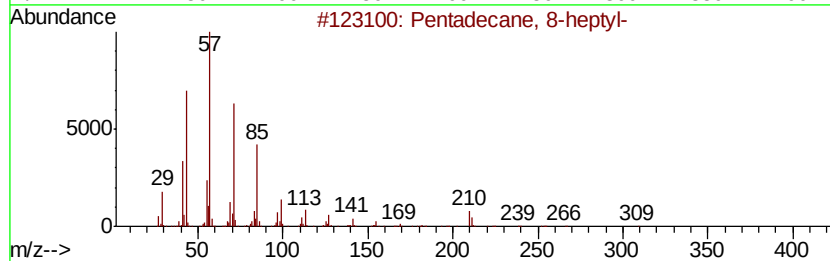
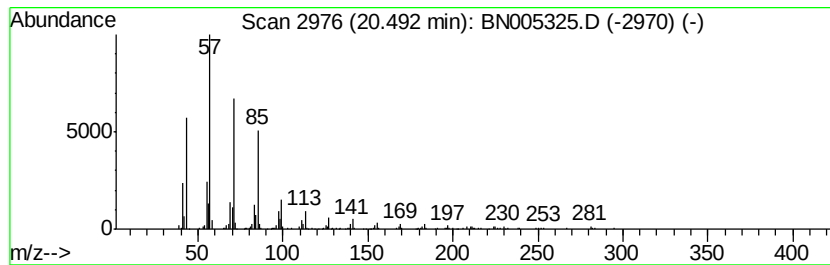
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.49 | 2.34 ng/ul | 840316 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    | Heptadecane            | 240 | C17H36  | 000629-78-7 | 91   |
| 3    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 91   |
| 4    |    | Octadecane             | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    | Docosane               | 310 | C22H46  | 000629-97-0 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

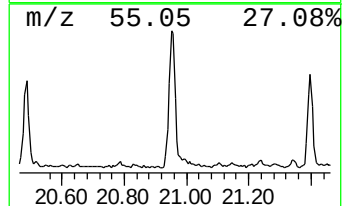
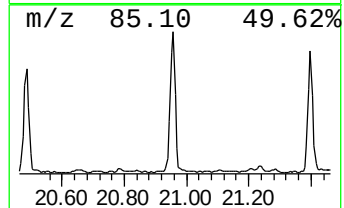
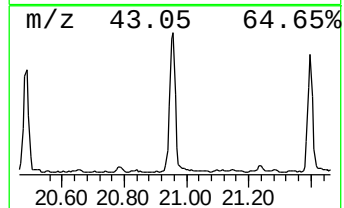
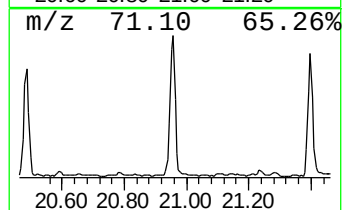
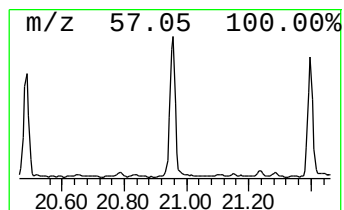
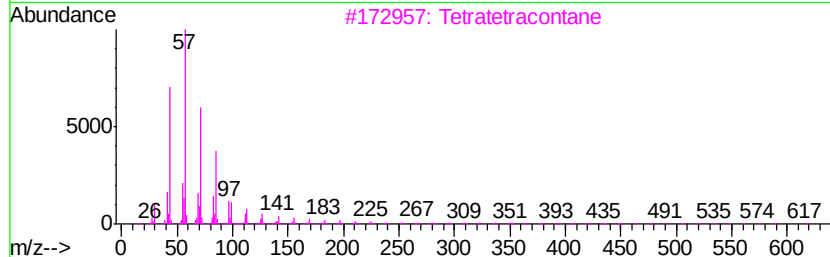
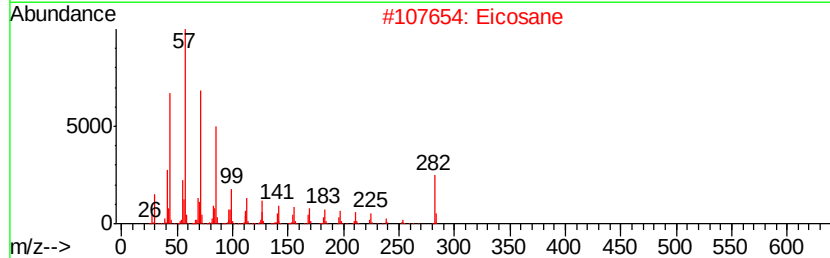
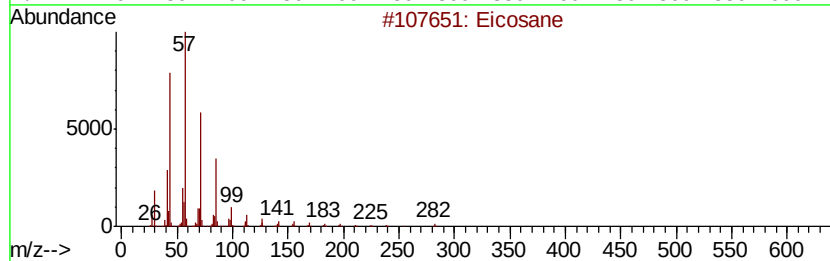
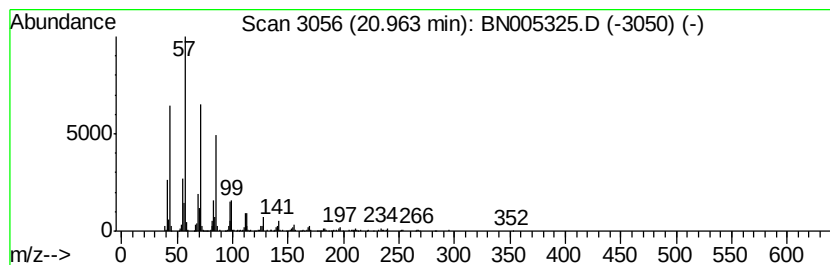
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.96 | 3.89 ng/ul | 1396180 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 93   |
| 3    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

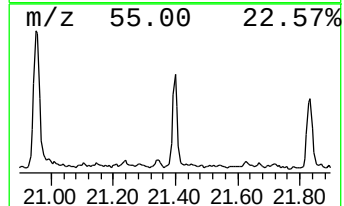
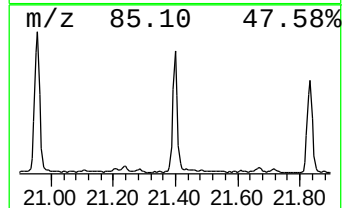
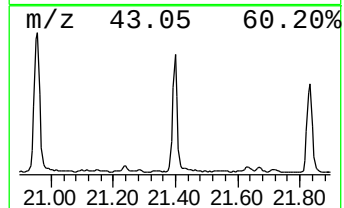
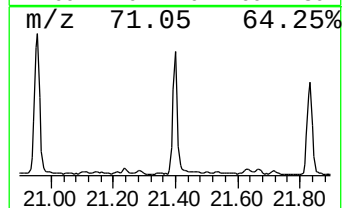
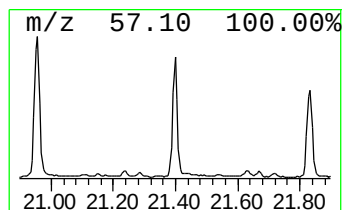
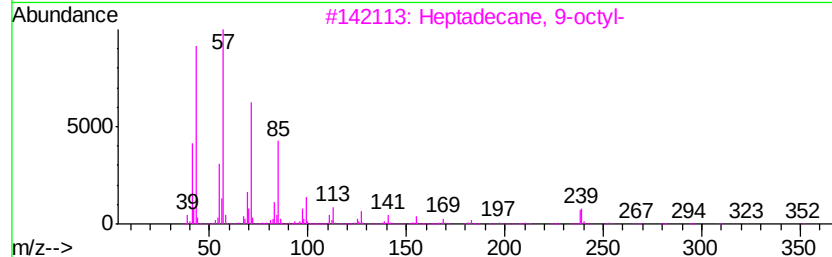
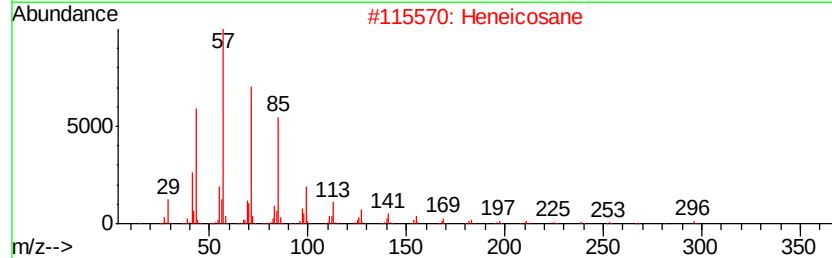
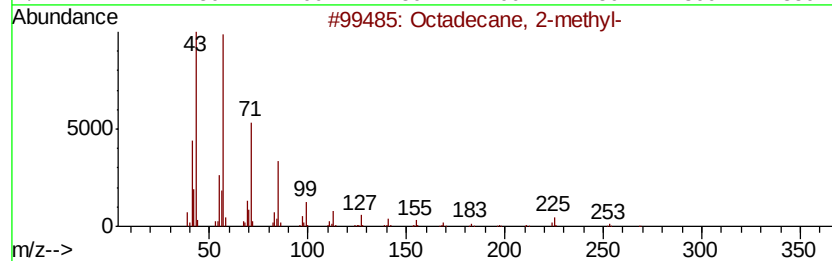
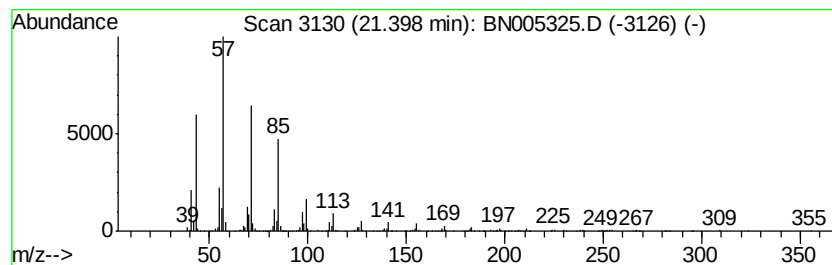
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.40 | 2.74 ng/ul | 983317 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 94   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Octadecane            | 254 | C18H38  | 000593-45-3 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

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

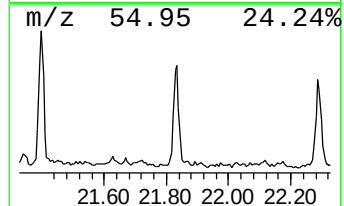
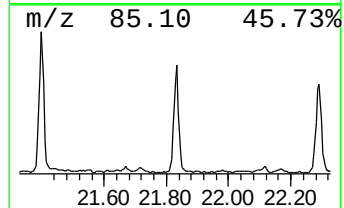
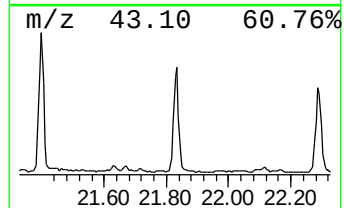
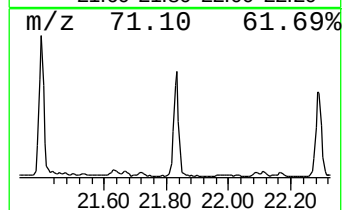
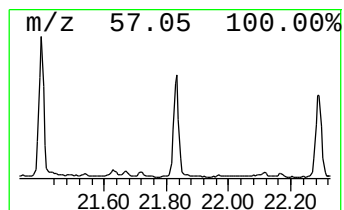
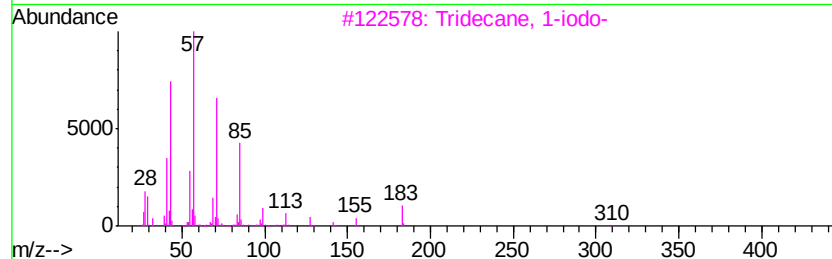
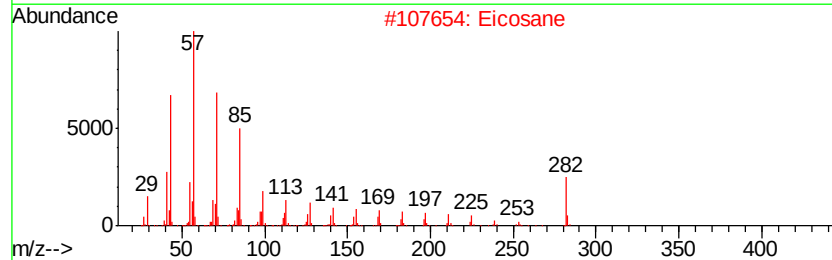
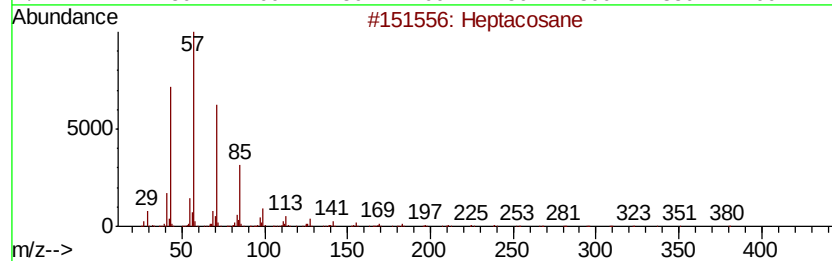
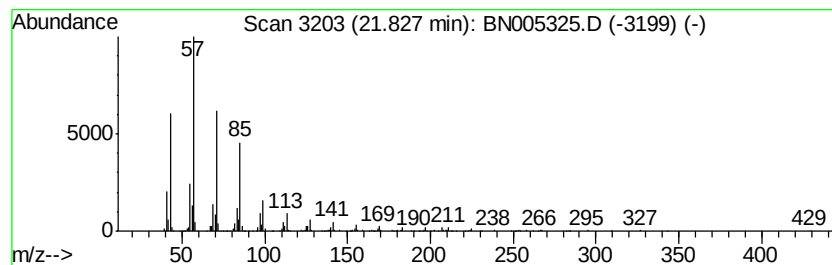
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.83 | 2.19 ng/ul | 784707 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7 | 95   |
| 2    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 94   |
| 3    |    | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 93   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Octacosane         | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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Quant Title : SVOA CALIBRATION

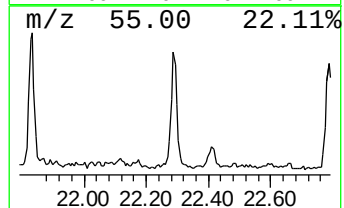
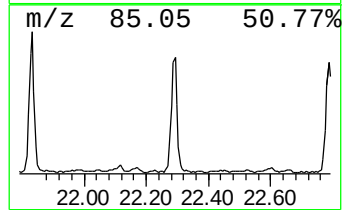
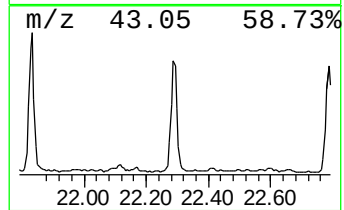
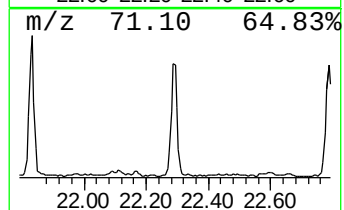
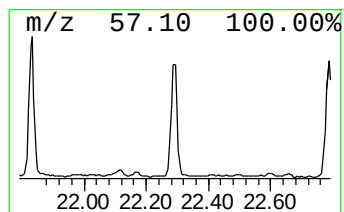
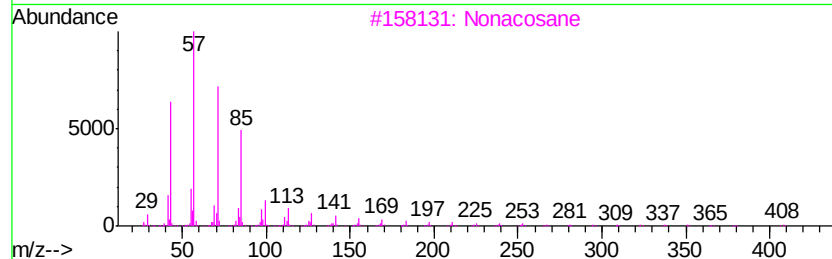
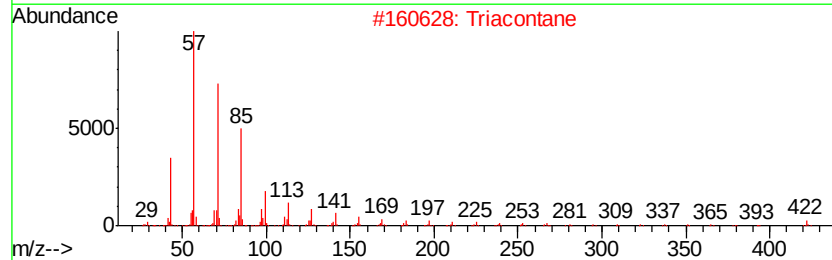
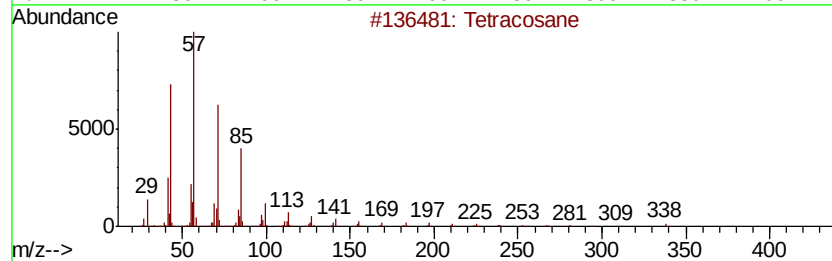
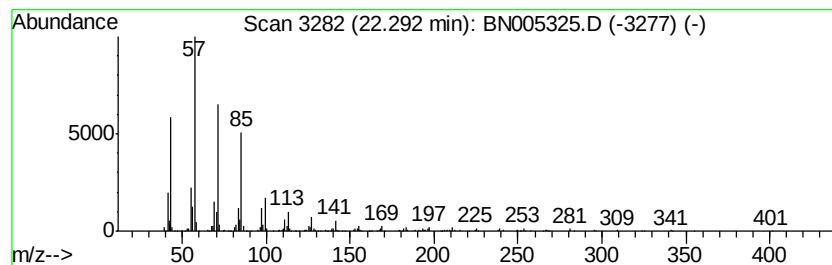
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.29 | 2.05 ng/ul | 735162 | Chrysene-d12     | 21.21 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    |   | triacontane  | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    |   | Nonacosane   | 408 | C29H60  | 000630-03-5 | 91   |
| 4    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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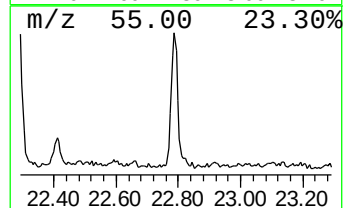
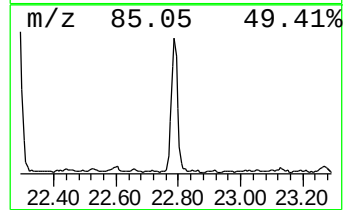
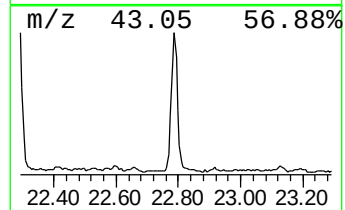
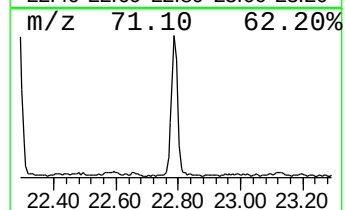
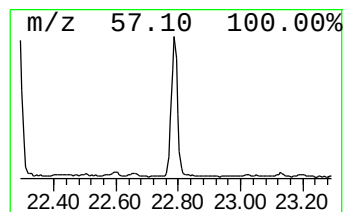
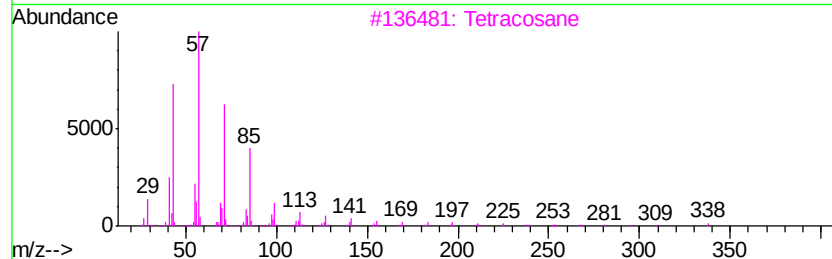
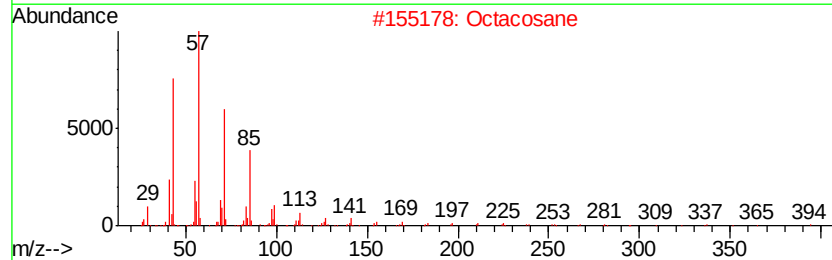
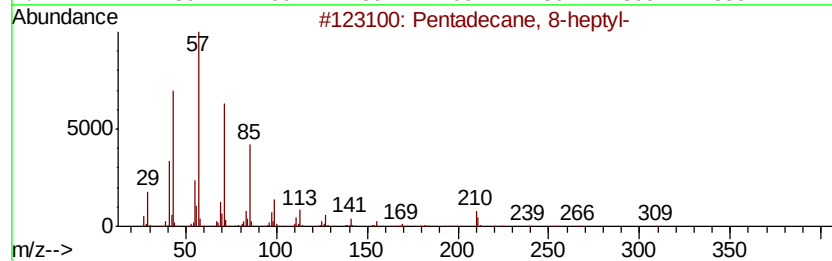
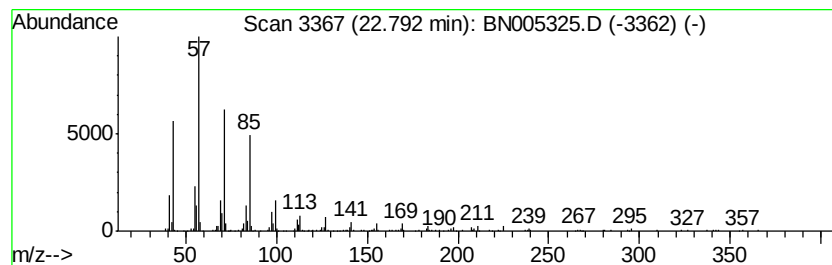
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.79 | 2.95 ng/ul | 872303 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 90   |
| 2    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |
| 3    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 87   |
| 4    |    | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 87   |
| 5    |    | Hexatriacontane        | 507 | C36H74  | 000630-06-8 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

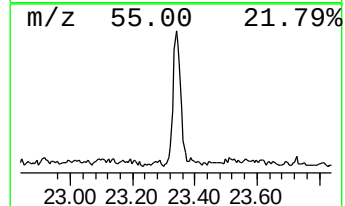
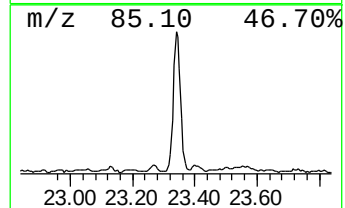
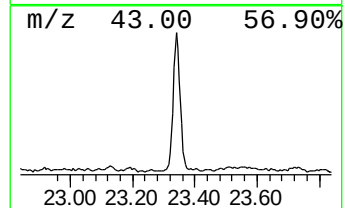
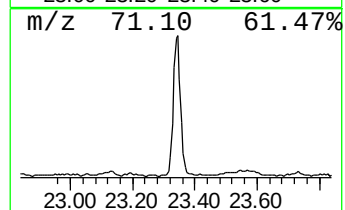
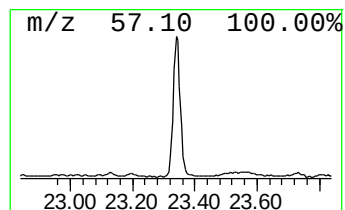
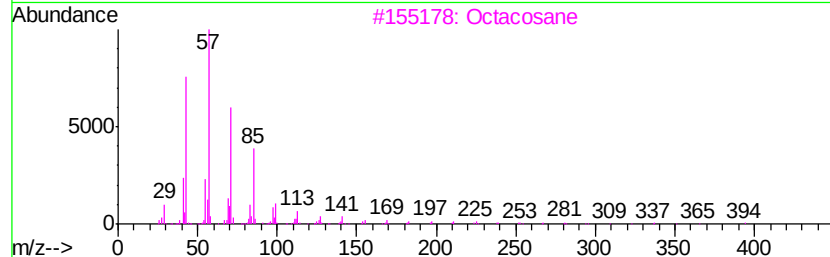
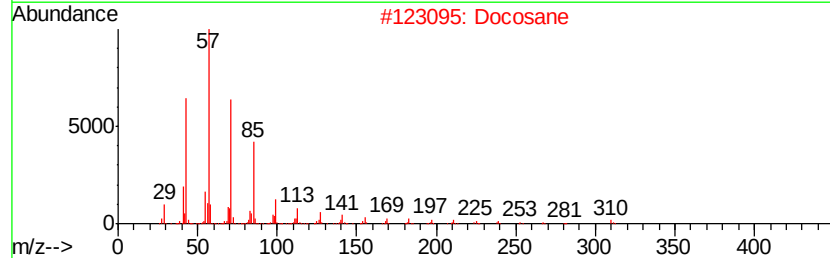
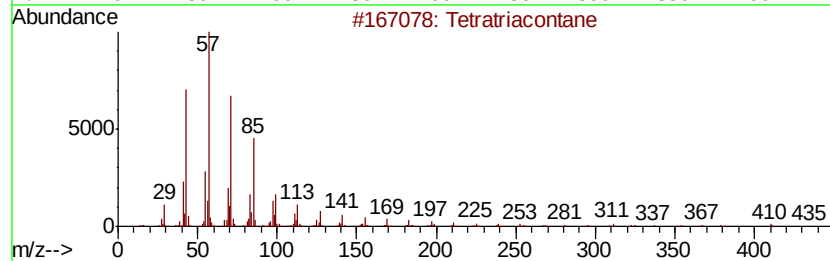
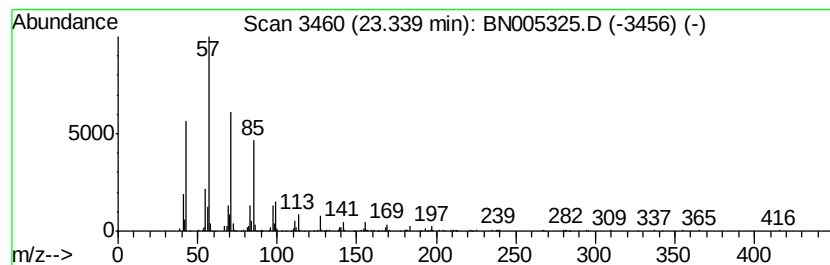
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.34 | 2.52 ng/ul | 745645 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane       | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Docosane               | 310 | C22H46  | 000629-97-0 | 91   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

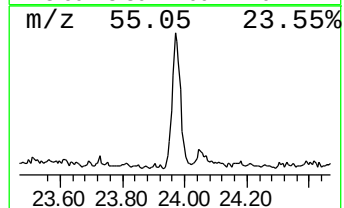
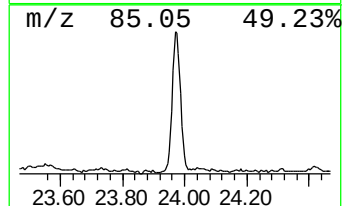
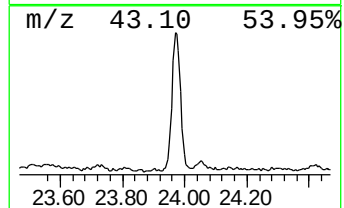
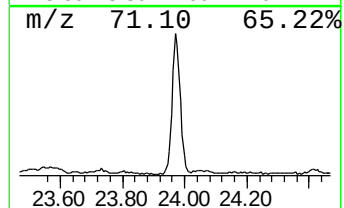
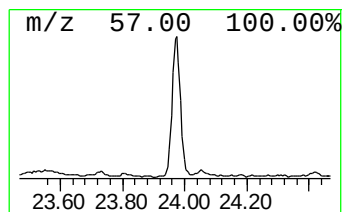
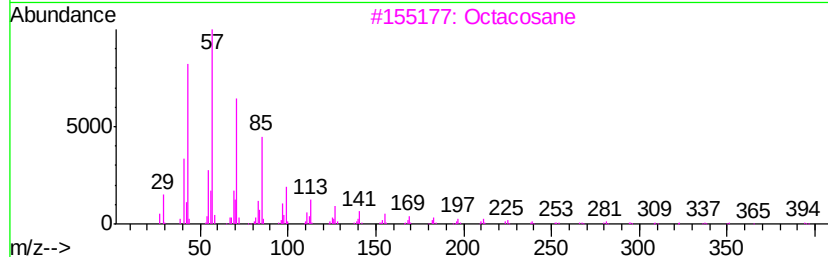
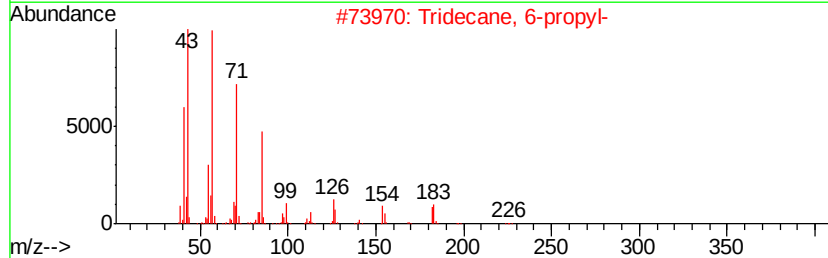
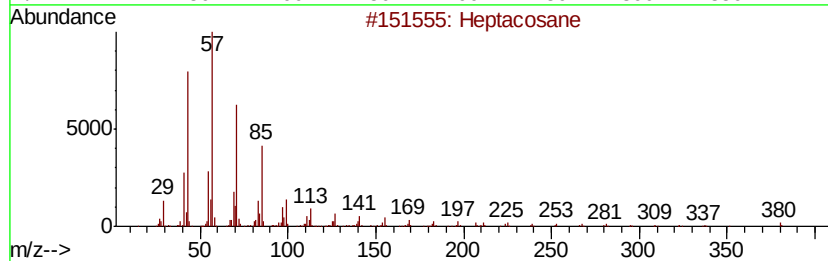
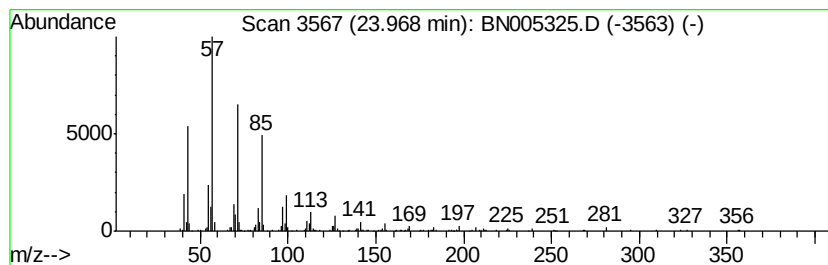
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.97 | 2.34 ng/ul | 692537 | Perylene-d12     | 23.41 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Heptacosane          | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    |   | Tridecane, 6-propyl- | 226 | C16H34  | 055045-10-8 | 90   |
| 3    |    |   | Octacosane           | 394 | C28H58  | 000630-02-4 | 90   |
| 4    |    |   | Heneicosane          | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | Tetratetracontane    | 619 | C44H90  | 007098-22-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
Data File : BN005325.D  
Acq On : 26 Apr 2019 20:29  
Operator : JU/SJ  
Sample : K2497-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAHY0

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

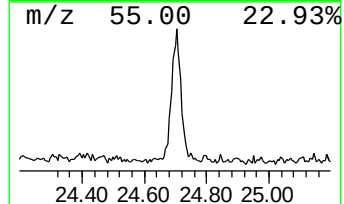
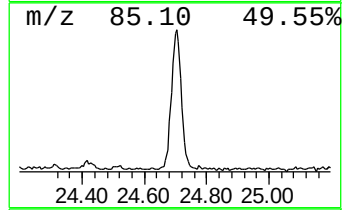
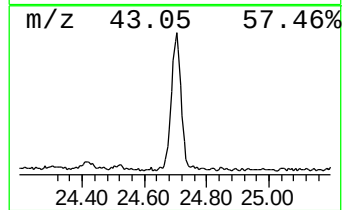
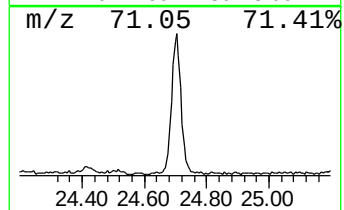
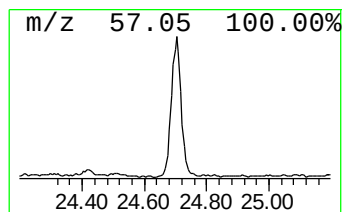
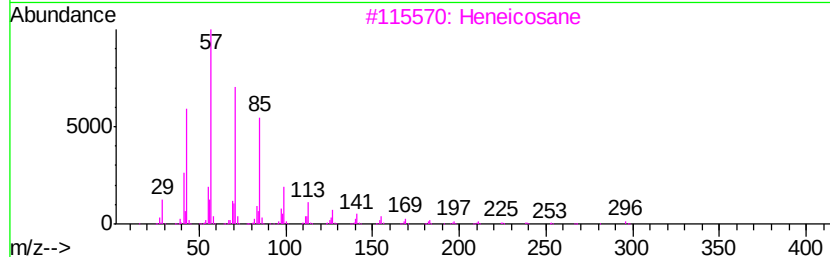
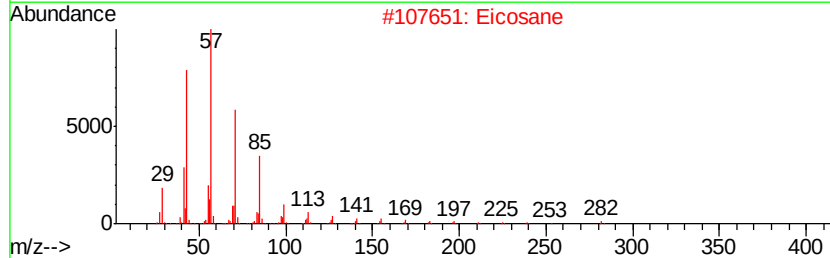
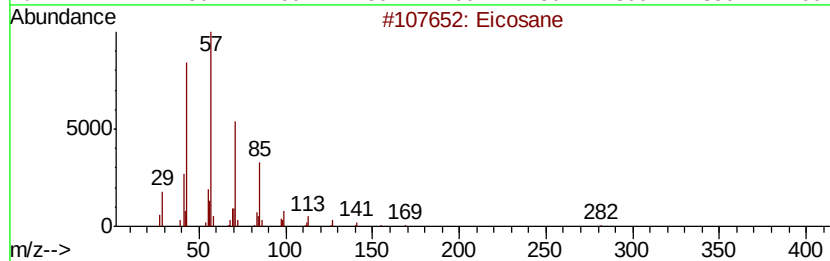
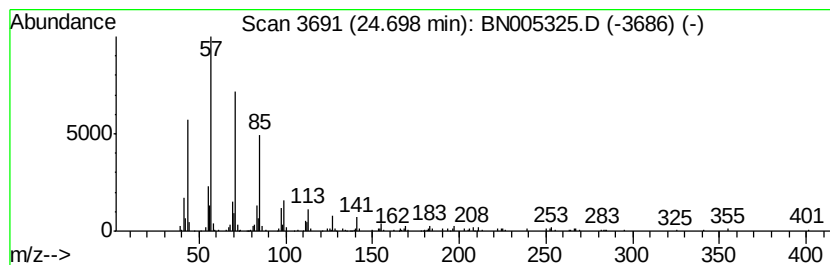
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.70 | 2.14 ng/ul | 633421 | Perylene-d12     | 23.41 |

| Hit# | of          | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------|---|--------------|-----|---------|-------------|------|
| 1    | Eicosane    |   |              | 282 | C20H42  | 000112-95-8 | 95   |
| 2    | Eicosane    |   |              | 282 | C20H42  | 000112-95-8 | 95   |
| 3    | Heneicosane |   |              | 296 | C21H44  | 000629-94-7 | 90   |
| 4    | Nonacosane  |   |              | 408 | C29H60  | 000630-03-5 | 90   |
| 5    | Octacosane  |   |              | 394 | C28H58  | 000630-02-4 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042619\  
 Data File : BN005325.D  
 Acq On : 26 Apr 2019 20:29  
 Operator : JU/SJ  
 Sample : K2497-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHY0

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 |
| n-Hexadecanoic acid  | 17.90 | 4.0     | ng/ul | 1316430  | 4                     | 16.98 | 6525340 | 20.0 |
| Octadecanoic acid    | 19.20 | 2.8     | ng/ul | 991112   | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 20.49 | 2.3     | ng/ul | 840316   | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 20.96 | 3.9     | ng/ul | 1396180  | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 21.40 | 2.7     | ng/ul | 983317   | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 21.83 | 2.2     | ng/ul | 784707   | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 22.29 | 2.0     | ng/ul | 735162   | 5                     | 21.21 | 7182410 | 20.0 |
| (DEL) Alkane: Str... | 22.79 | 3.0     | ng/ul | 872303   | 6                     | 23.41 | 5917820 | 20.0 |
| (DEL) Alkane: Str... | 23.34 | 2.5     | ng/ul | 745645   | 6                     | 23.41 | 5917820 | 20.0 |
| (DEL) Alkane: Str... | 23.97 | 2.3     | ng/ul | 692537   | 6                     | 23.41 | 5917820 | 20.0 |
| (DEL) Alkane: Str... | 24.70 | 2.1     | ng/ul | 633421   | 6                     | 23.41 | 5917820 | 20.0 |