

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
 Data File : BN009157.D  
 Acq On : 25 Dec 2019 10:41  
 Operator : JU  
 Sample : K6276-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0C32

## 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-BN122419MA.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         | 3.134       | 22            | 25          | 36           | rBV      | 69345          | 106751        | 1.07%           | 0.092%        |
| 2         | 3.752       | 125           | 130         | 133          | rBV7     | 9846           | 18616         | 0.19%           | 0.016%        |
| 3         | 3.834       | 141           | 144         | 151          | rVB3     | 11614          | 20521         | 0.21%           | 0.018%        |
| 4         | 6.716       | 626           | 634         | 644          | rBV2     | 423465         | 758221        | 7.62%           | 0.656%        |
| 5         | 6.875       | 655           | 661         | 671          | rBV      | 1070677        | 1676857       | 16.85%          | 1.451%        |
| 6         | 7.063       | 687           | 693         | 702          | rVB      | 1220776        | 1882315       | 18.92%          | 1.629%        |
| 7         | 7.522       | 764           | 771         | 779          | rBV      | 1178128        | 1830379       | 18.39%          | 1.584%        |
| 8         | 7.604       | 782           | 785         | 794          | rVB6     | 11405          | 23329         | 0.23%           | 0.020%        |
| 9         | 7.834       | 818           | 824         | 829          | rBV6     | 15480          | 25349         | 0.25%           | 0.022%        |
| 10        | 8.228       | 884           | 891         | 899          | rBV      | 1024283        | 1628375       | 16.36%          | 1.409%        |
| 11        | 8.663       | 956           | 965         | 977          | rBV      | 1516231        | 2471647       | 24.84%          | 2.138%        |
| 12        | 8.757       | 977           | 981         | 984          | rVV3     | 15649          | 21389         | 0.21%           | 0.019%        |
| 13        | 9.128       | 1037          | 1044        | 1050         | rBV2     | 78527          | 112675        | 1.13%           | 0.097%        |
| 14        | 9.375       | 1079          | 1086        | 1095         | rBV      | 1287020        | 2041861       | 20.52%          | 1.767%        |
| 15        | 9.798       | 1151          | 1158        | 1163         | rBV3     | 25035          | 41554         | 0.42%           | 0.036%        |
| 16        | 9.910       | 1170          | 1177        | 1192         | rBV      | 1810875        | 3033751       | 30.49%          | 2.625%        |
| 17        | 10.281      | 1232          | 1240        | 1247         | rBV      | 1733073        | 2874268       | 28.88%          | 2.487%        |
| 18        | 10.422      | 1257          | 1264        | 1273         | rBV      | 81950          | 165286        | 1.66%           | 0.143%        |
| 19        | 10.592      | 1287          | 1293        | 1298         | rVB7     | 9454           | 18007         | 0.18%           | 0.016%        |
| 20        | 10.933      | 1345          | 1351        | 1354         | rBV6     | 11474          | 19126         | 0.19%           | 0.017%        |
| 21        | 11.098      | 1375          | 1379        | 1389         | rVB7     | 14188          | 31812         | 0.32%           | 0.028%        |
| 22        | 11.616      | 1459          | 1467        | 1471         | rBV2     | 23749          | 37352         | 0.38%           | 0.032%        |
| 23        | 11.716      | 1480          | 1484        | 1491         | rVB3     | 60575          | 98852         | 0.99%           | 0.086%        |
| 24        | 11.810      | 1491          | 1500        | 1505         | rBV5     | 19596          | 40233         | 0.40%           | 0.035%        |
| 25        | 11.875      | 1505          | 1511        | 1516         | rBV2     | 34757          | 53563         | 0.54%           | 0.046%        |
| 26        | 12.510      | 1616          | 1619        | 1625         | rVB4     | 16704          | 22697         | 0.23%           | 0.020%        |
| 27        | 12.710      | 1649          | 1653        | 1659         | rBV3     | 23783          | 34597         | 0.35%           | 0.030%        |
| 28        | 13.075      | 1710          | 1715        | 1719         | rBV7     | 8837           | 17130         | 0.17%           | 0.015%        |
| 29        | 13.398      | 1762          | 1770        | 1776         | rBV6     | 30299          | 65725         | 0.66%           | 0.057%        |
| 30        | 13.575      | 1794          | 1800        | 1805         | rBV      | 3710339        | 4991924       | 50.17%          | 4.319%        |
| 31        | 13.622      | 1805          | 1808        | 1814         | rVV      | 328561         | 442124        | 4.44%           | 0.383%        |
| 32        | 13.669      | 1814          | 1816        | 1820         | rVV4     | 13958          | 17276         | 0.17%           | 0.015%        |
| 33        | 13.710      | 1820          | 1823        | 1827         | rVB4     | 17587          | 22627         | 0.23%           | 0.020%        |
| 34        | 13.845      | 1837          | 1846        | 1855         | rBV      | 3934748        | 5852695       | 58.82%          | 5.064%        |

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 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-BN122419MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.992 | 1866 | 1871 | 1875 | rBV6 | 8475    | 16582   | 0.17%  | 0.014% |
| 36 | 14.092 | 1884 | 1888 | 1892 | rVB  | 22611   | 26243   | 0.26%  | 0.023% |
| 37 | 14.157 | 1892 | 1899 | 1906 | rBV  | 2796239 | 4071607 | 40.92% | 3.523% |
| 38 | 14.369 | 1928 | 1935 | 1942 | rBV  | 436503  | 717820  | 7.21%  | 0.621% |
| 39 | 14.422 | 1942 | 1944 | 1951 | rVB5 | 33018   | 50210   | 0.50%  | 0.043% |
| 40 | 14.604 | 1967 | 1975 | 1981 | rBV4 | 61440   | 93628   | 0.94%  | 0.081% |
| 41 | 14.998 | 2037 | 2042 | 2047 | rBV4 | 24808   | 36893   | 0.37%  | 0.032% |
| 42 | 15.045 | 2047 | 2050 | 2054 | rVB  | 18971   | 19950   | 0.20%  | 0.017% |
| 43 | 15.151 | 2062 | 2068 | 2075 | rBV  | 5223569 | 7457385 | 74.94% | 6.452% |
| 44 | 15.280 | 2084 | 2090 | 2102 | rBV  | 2001176 | 2817969 | 28.32% | 2.438% |
| 45 | 15.392 | 2105 | 2109 | 2115 | rVB3 | 65292   | 109424  | 1.10%  | 0.095% |
| 46 | 15.498 | 2123 | 2127 | 2132 | rBV4 | 11148   | 19856   | 0.20%  | 0.017% |
| 47 | 15.757 | 2164 | 2171 | 2175 | rVV9 | 21062   | 43707   | 0.44%  | 0.038% |
| 48 | 15.804 | 2175 | 2179 | 2184 | rVV6 | 32623   | 54074   | 0.54%  | 0.047% |
| 49 | 15.857 | 2184 | 2188 | 2193 | rVV6 | 34332   | 64861   | 0.65%  | 0.056% |
| 50 | 15.910 | 2193 | 2197 | 2200 | rVV  | 37499   | 54168   | 0.54%  | 0.047% |
| 51 | 15.939 | 2200 | 2202 | 2205 | rVV3 | 26401   | 34879   | 0.35%  | 0.030% |
| 52 | 15.969 | 2205 | 2207 | 2211 | rVB  | 20071   | 25615   | 0.26%  | 0.022% |
| 53 | 16.063 | 2219 | 2223 | 2224 | rBV4 | 12081   | 18579   | 0.19%  | 0.016% |
| 54 | 16.174 | 2239 | 2242 | 2246 | rVB3 | 14878   | 20293   | 0.20%  | 0.018% |
| 55 | 16.274 | 2254 | 2259 | 2264 | rVB9 | 11143   | 20651   | 0.21%  | 0.018% |
| 56 | 16.339 | 2266 | 2270 | 2277 | rBV2 | 97364   | 139016  | 1.40%  | 0.120% |
| 57 | 16.580 | 2309 | 2311 | 2315 | rVB4 | 15590   | 17303   | 0.17%  | 0.015% |
| 58 | 16.692 | 2325 | 2330 | 2339 | rVB5 | 39757   | 77434   | 0.78%  | 0.067% |
| 59 | 16.857 | 2350 | 2358 | 2360 | rBV7 | 19121   | 47759   | 0.48%  | 0.041% |
| 60 | 16.904 | 2360 | 2366 | 2376 | rVB  | 3414391 | 4887615 | 49.12% | 4.229% |
| 61 | 17.004 | 2376 | 2383 | 2393 | rBV  | 6209367 | 8636757 | 86.79% | 7.472% |
| 62 | 17.110 | 2397 | 2401 | 2407 | rBV7 | 27099   | 43159   | 0.43%  | 0.037% |
| 63 | 17.163 | 2407 | 2410 | 2414 | rBV5 | 16288   | 21978   | 0.22%  | 0.019% |
| 64 | 17.227 | 2416 | 2421 | 2428 | rVB3 | 92164   | 151260  | 1.52%  | 0.131% |
| 65 | 17.321 | 2431 | 2437 | 2442 | rVV6 | 37838   | 76148   | 0.77%  | 0.066% |
| 66 | 17.439 | 2454 | 2457 | 2460 | rBV4 | 21384   | 21768   | 0.22%  | 0.019% |
| 67 | 17.710 | 2500 | 2503 | 2510 | rVV8 | 32551   | 46272   | 0.47%  | 0.040% |
| 68 | 17.839 | 2519 | 2525 | 2548 | rBV  | 2437375 | 3908962 | 39.28% | 3.382% |
| 69 | 18.133 | 2571 | 2575 | 2580 | rBV2 | 55243   | 74136   | 0.75%  | 0.064% |
| 70 | 18.268 | 2594 | 2598 | 2605 | rBV8 | 41962   | 69186   | 0.70%  | 0.060% |
| 71 | 18.504 | 2635 | 2638 | 2642 | rBV5 | 23105   | 30019   | 0.30%  | 0.026% |

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## Integration Parameters: LSCINT.P

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 Start Thrs: 0.2  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.704 | 2668 | 2672 | 2677 | rBV2 | 77562   | 105631  | 1.06%   | 0.091% |
| 73  | 18.774 | 2680 | 2684 | 2690 | rBV3 | 76948   | 100946  | 1.01%   | 0.087% |
| 74  | 18.939 | 2708 | 2712 | 2714 | rBV  | 77201   | 99857   | 1.00%   | 0.086% |
| 75  | 18.974 | 2715 | 2718 | 2719 | rVV2 | 57744   | 63745   | 0.64%   | 0.055% |
| 76  | 19.004 | 2719 | 2723 | 2732 | rVV  | 203270  | 398091  | 4.00%   | 0.344% |
| 77  | 19.127 | 2739 | 2744 | 2751 | rBV  | 674901  | 1034221 | 10.39%  | 0.895% |
| 78  | 19.304 | 2767 | 2774 | 2780 | rBV  | 7194031 | 9950854 | 100.00% | 8.609% |
| 79  | 19.357 | 2780 | 2783 | 2786 | rVV  | 118191  | 139469  | 1.40%   | 0.121% |
| 80  | 19.392 | 2786 | 2789 | 2793 | rVB2 | 93576   | 102795  | 1.03%   | 0.089% |
| 81  | 19.862 | 2866 | 2869 | 2872 | rBV4 | 69983   | 89000   | 0.89%   | 0.077% |
| 82  | 19.898 | 2872 | 2875 | 2878 | rVB  | 237972  | 233583  | 2.35%   | 0.202% |
| 83  | 20.374 | 2953 | 2956 | 2957 | rBV2 | 94521   | 96605   | 0.97%   | 0.084% |
| 84  | 20.398 | 2957 | 2960 | 2963 | rVB  | 411167  | 434115  | 4.36%   | 0.376% |
| 85  | 20.857 | 3033 | 3038 | 3044 | rBV2 | 2274550 | 3038472 | 30.53%  | 2.629% |
| 86  | 20.904 | 3044 | 3046 | 3053 | rVB3 | 165120  | 208032  | 2.09%   | 0.180% |
| 87  | 21.051 | 3069 | 3071 | 3075 | rVB  | 128875  | 135981  | 1.37%   | 0.118% |
| 88  | 21.109 | 3076 | 3081 | 3086 | rBV  | 4279353 | 5413326 | 54.40%  | 4.683% |
| 89  | 21.298 | 3110 | 3113 | 3121 | rVB  | 1017709 | 1043983 | 10.49%  | 0.903% |
| 90  | 21.721 | 3181 | 3185 | 3196 | rBV  | 1126186 | 1473790 | 14.81%  | 1.275% |
| 91  | 22.162 | 3256 | 3260 | 3267 | rVB  | 1159192 | 1434039 | 14.41%  | 1.241% |
| 92  | 22.280 | 3277 | 3280 | 3285 | rVB2 | 425052  | 545974  | 5.49%   | 0.472% |
| 93  | 22.645 | 3338 | 3342 | 3346 | rBV  | 1229365 | 1603754 | 16.12%  | 1.388% |
| 94  | 23.115 | 3415 | 3422 | 3428 | rBV  | 5366928 | 9160992 | 92.06%  | 7.926% |
| 95  | 23.180 | 3428 | 3433 | 3438 | rVV  | 1142498 | 1803988 | 18.13%  | 1.561% |
| 96  | 23.245 | 3438 | 3444 | 3455 | rVB  | 2922299 | 5141632 | 51.67%  | 4.448% |
| 97  | 23.780 | 3531 | 3535 | 3542 | rVB  | 954489  | 1616767 | 16.25%  | 1.399% |
| 98  | 23.856 | 3545 | 3548 | 3556 | rVB3 | 336507  | 661182  | 6.64%   | 0.572% |
| 99  | 24.209 | 3603 | 3608 | 3619 | rVB3 | 708772  | 1591649 | 16.00%  | 1.377% |
| 100 | 24.468 | 3645 | 3652 | 3663 | rBV3 | 1123271 | 3339993 | 33.56%  | 2.890% |

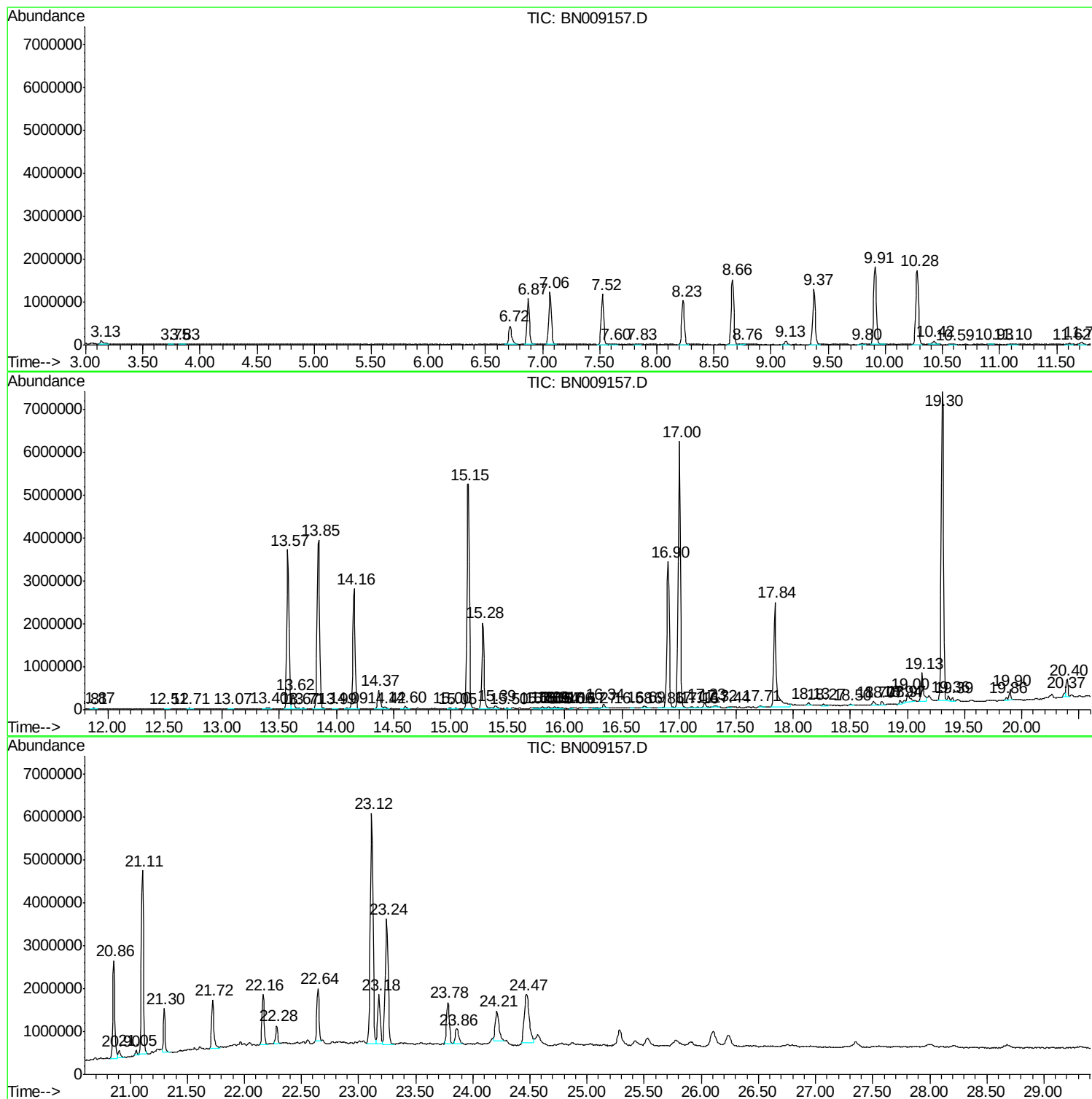
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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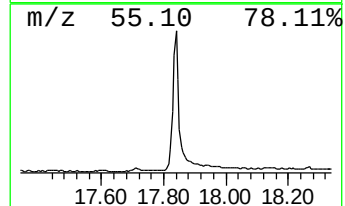
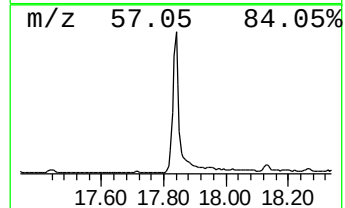
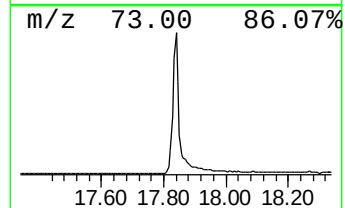
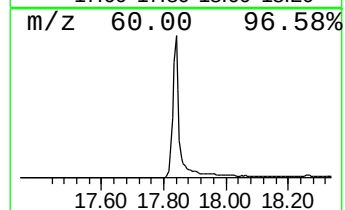
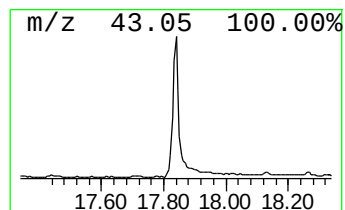
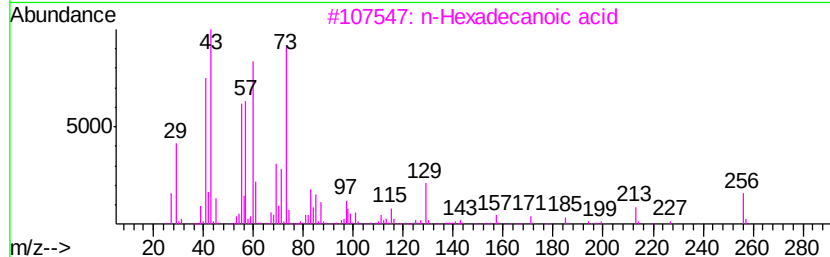
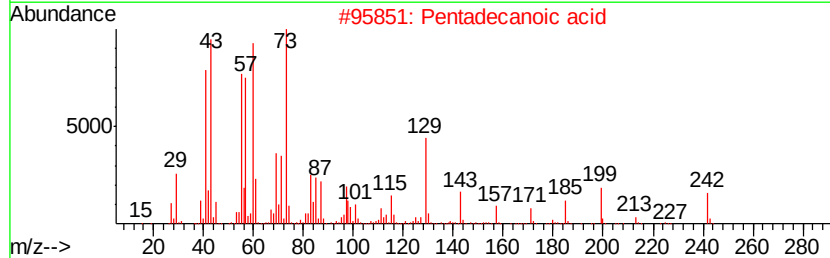
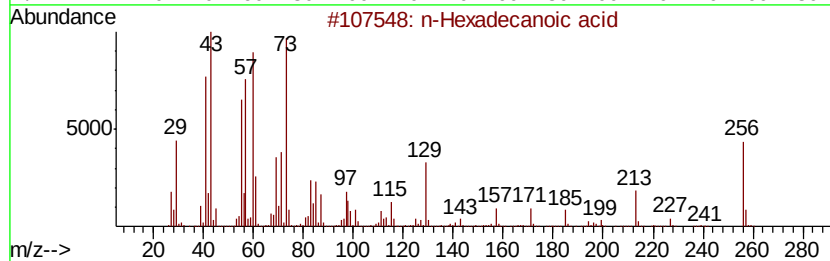
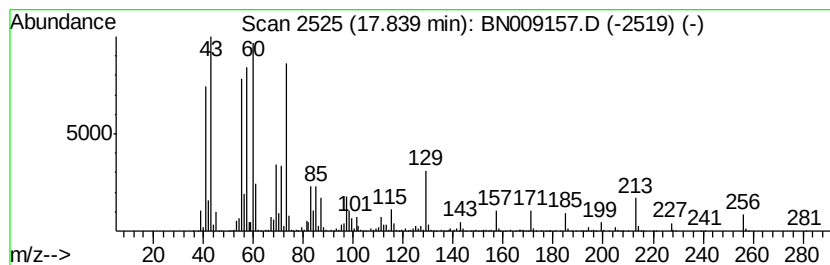
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 17.84   | 16.00 ng/ul         | 3908960      | Phenanthrene-d10 | 16.90       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 2       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 87   |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 83   |      |
| 4       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 83   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 72   |      |



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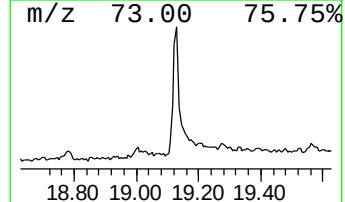
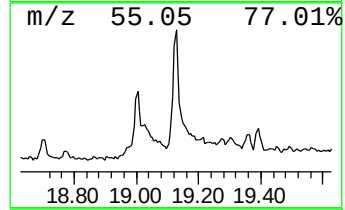
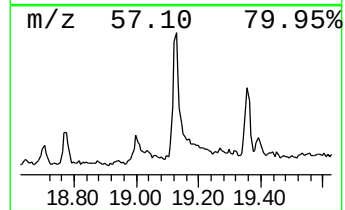
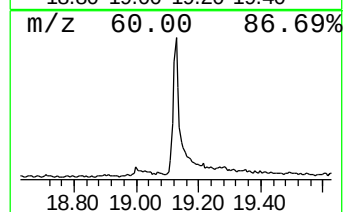
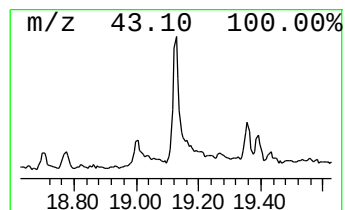
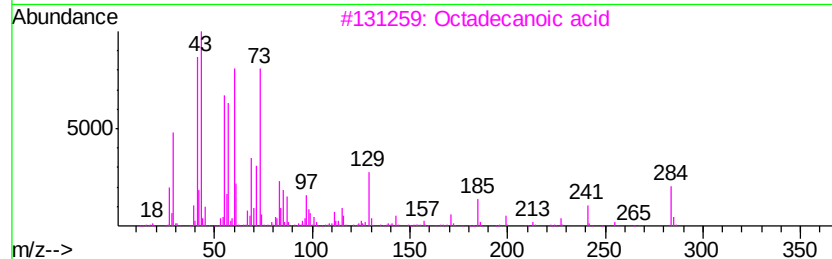
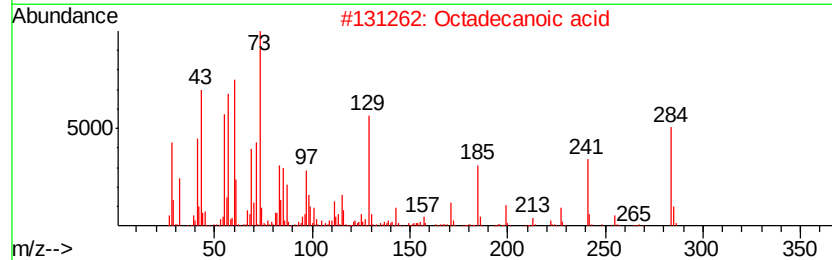
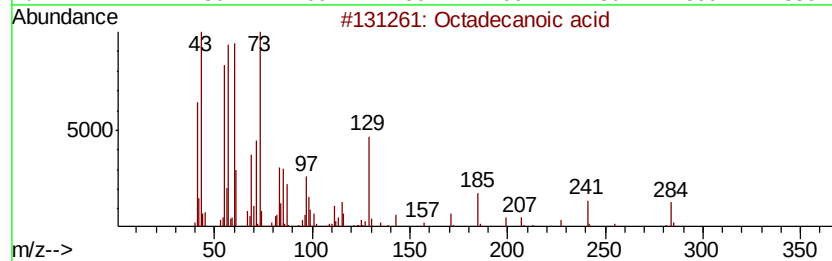
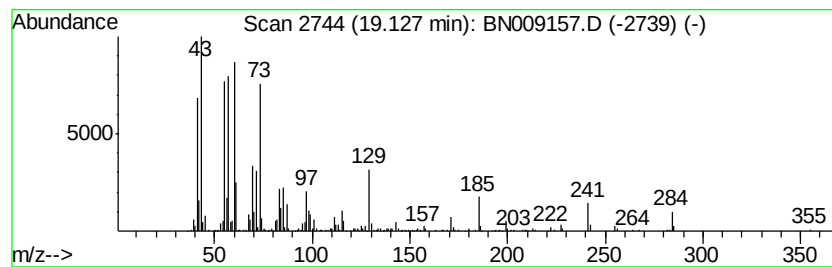
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 11

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 19.13 | 3.82 ng/ul | 1034220 | Chrysene-d12     | 21.11 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 3    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 4    |    | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 5    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

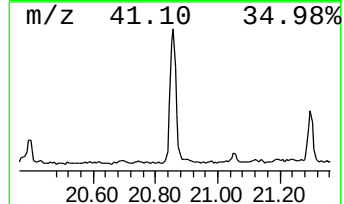
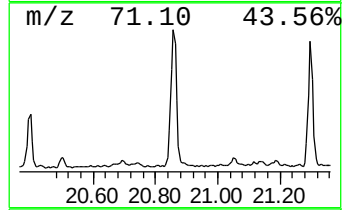
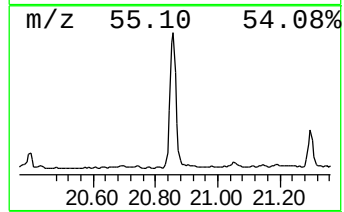
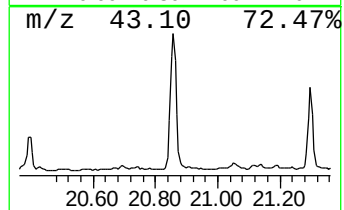
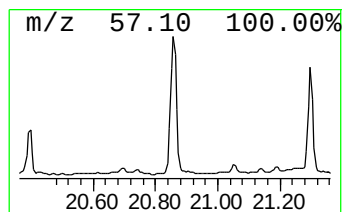
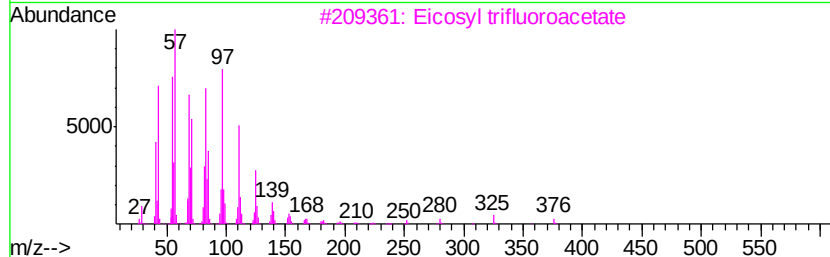
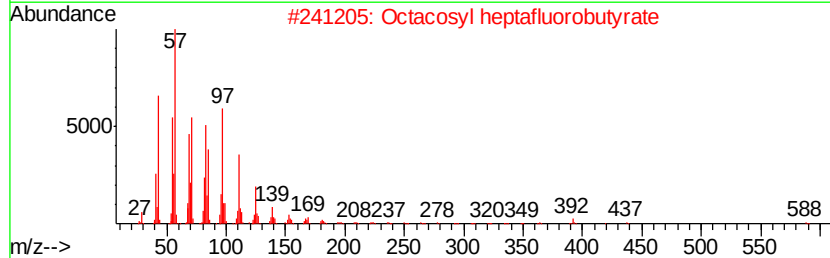
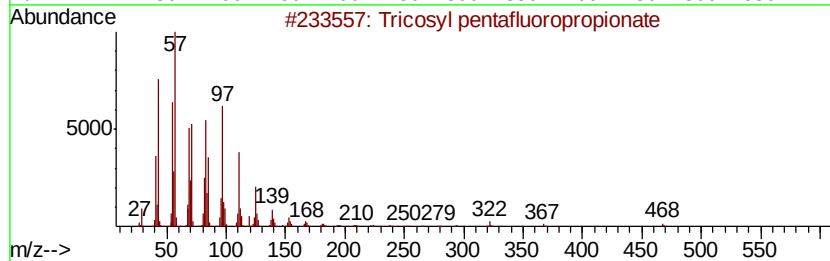
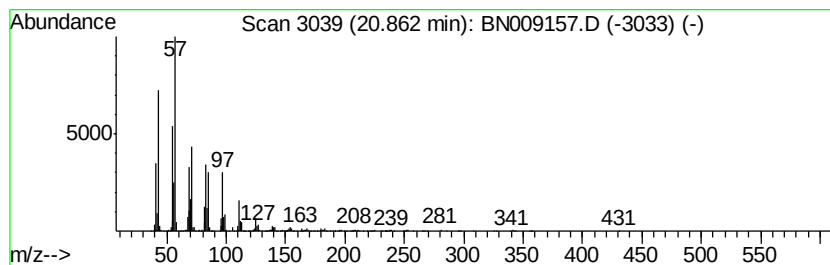
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Tricosyl pentafluoropropionate Concentration Rank 3

| R.T.    | EstConc     | Area                               | Relative to ISTD | R.T.       |              |      |
|---------|-------------|------------------------------------|------------------|------------|--------------|------|
| 20.86   | 11.23 ng/ul | 3038470                            | Chrysene-d12     | 21.11      |              |      |
| Hit# of | 5           | Tentative ID                       | MW               | MolForm    | CAS#         | Qual |
| 1       |             | Tricosyl pentafluoropropionate     | 486              | C26H47F5O2 | 1000351-81-0 | 91   |
| 2       |             | Octacosyl heptafluorobutyrate      | 606              | C32H57F7O2 | 1000351-83-6 | 91   |
| 3       |             | Eicosyl trifluoroacetate           | 394              | C22H41F3O2 | 1000351-75-2 | 91   |
| 4       |             | Docosyl pentafluoropropionate      | 472              | C25H45F5O2 | 1000351-80-9 | 91   |
| 5       |             | Dotriacontyl pentafluoropropionate | 612              | C35H65F5O2 | 1000351-81-4 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

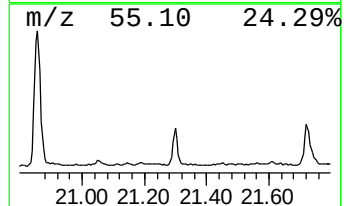
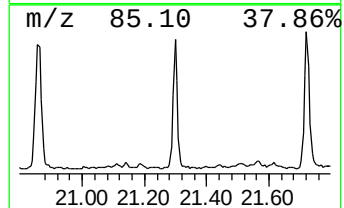
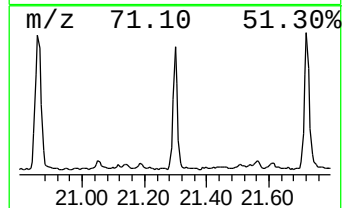
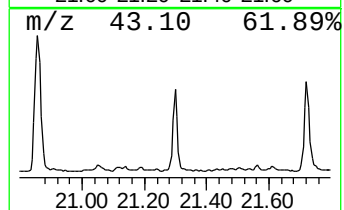
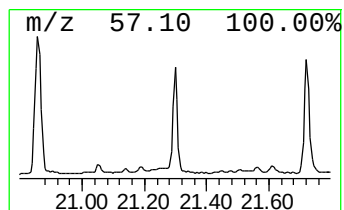
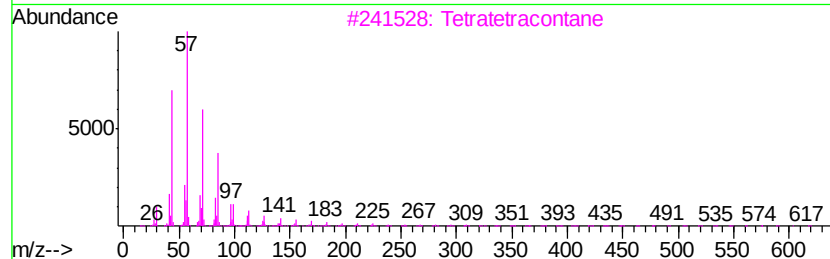
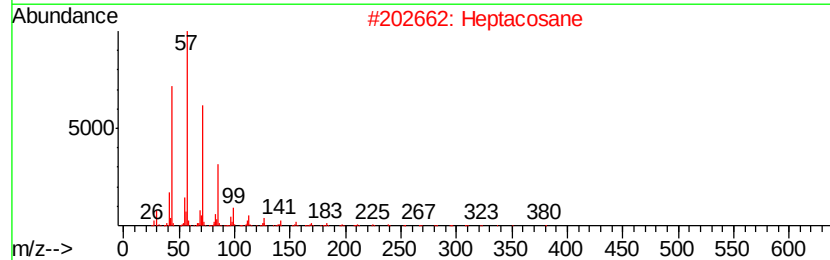
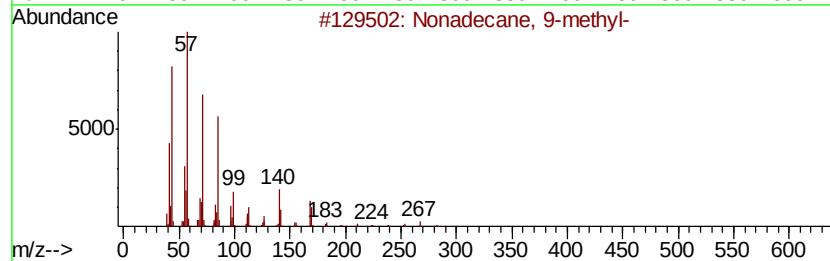
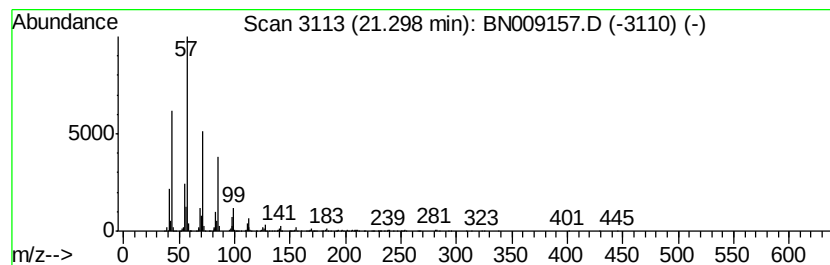
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.30 | 3.86 ng/ul | 1043980 | Chrysene-d12     | 21.11 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane, 9-methyl- | 282 | C20H42  | 013287-24-6 | 93   |
| 2    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Pentadecane           | 212 | C15H32  | 000629-62-9 | 90   |
| 5    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

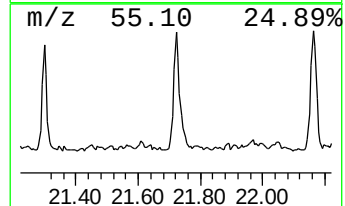
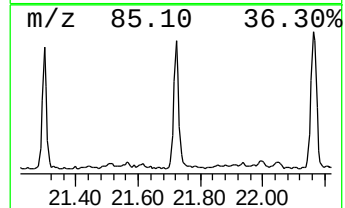
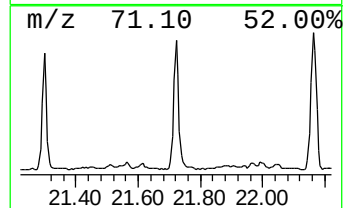
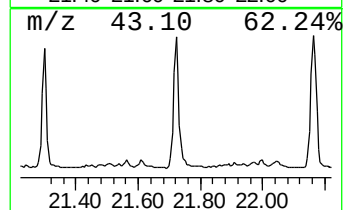
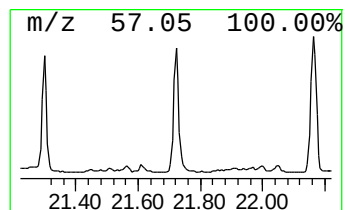
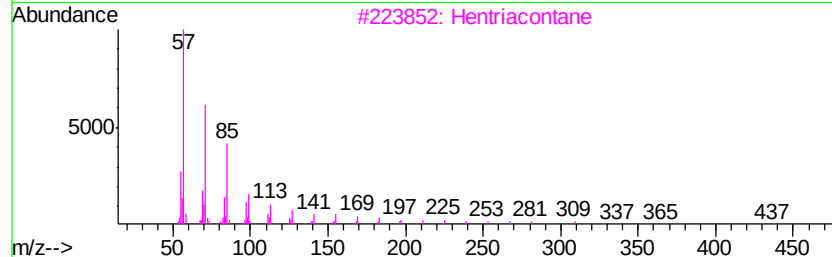
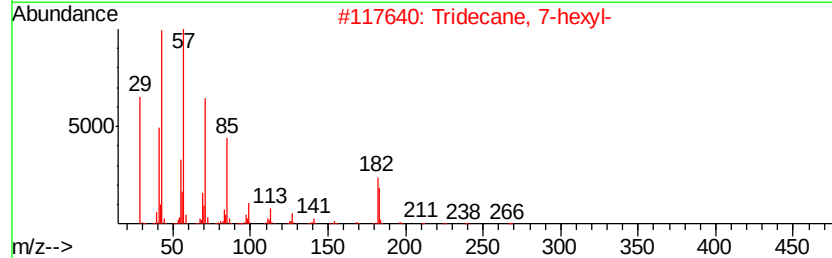
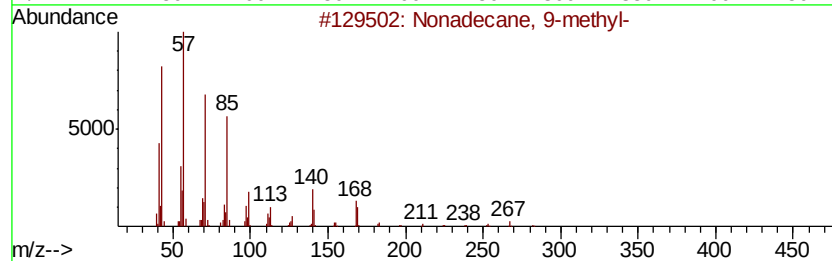
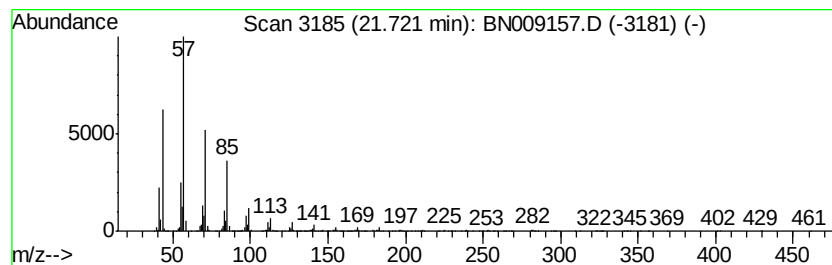
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.72 | 5.45 ng/ul | 1473790 | Chrysene-d12     | 21.11 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane, 9-methyl- | 282 | C20H42  | 013287-24-6 | 93   |
| 2    |    | Tridecane, 7-hexyl-   | 268 | C19H40  | 007225-66-3 | 93   |
| 3    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |
| 4    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

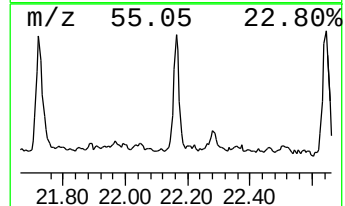
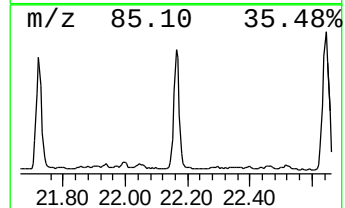
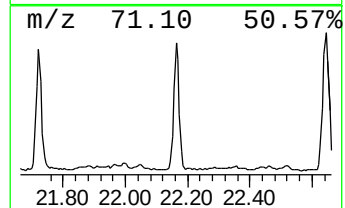
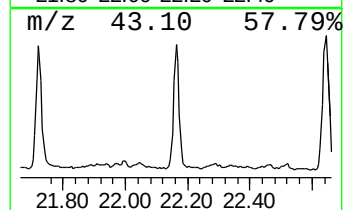
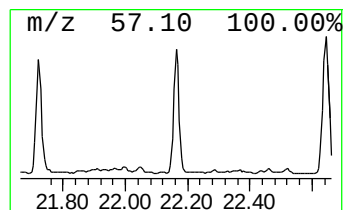
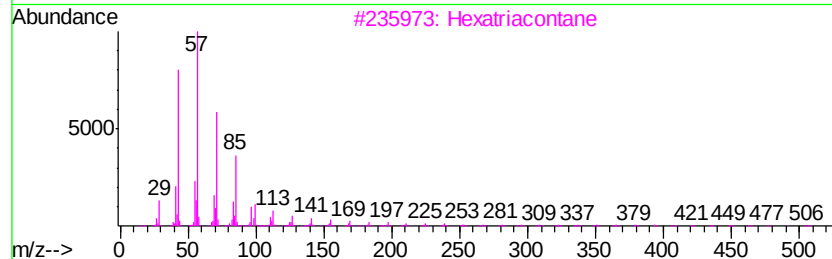
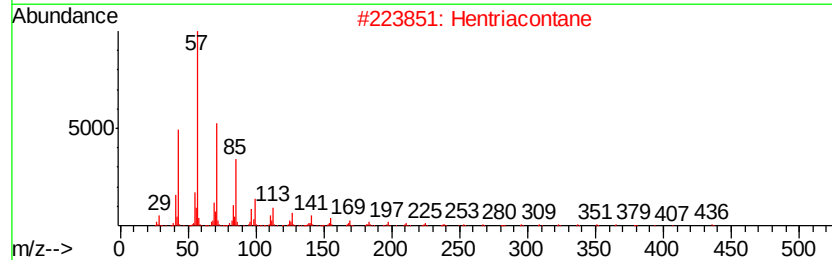
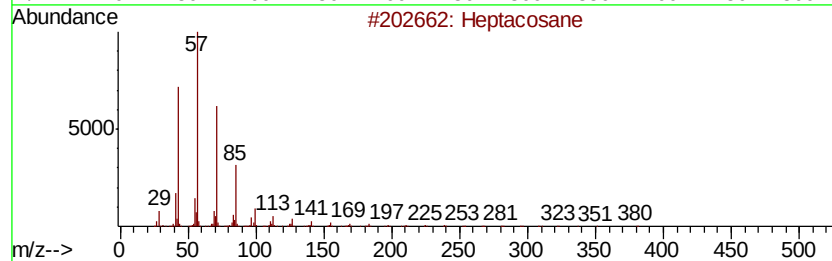
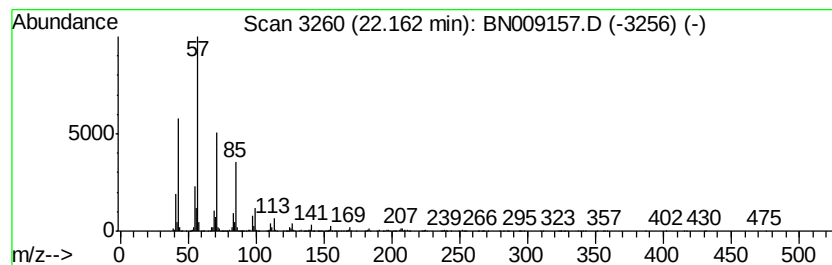
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.16 | 5.30 ng/ul | 1434040 | Chrysene-d12     | 21.11 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 91   |
| 3    |    | Hexatriacontane    | 507 | C36H74  | 000630-06-8  | 91   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 5    |    | Hexadecane         | 226 | C16H34  | 000544-76-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

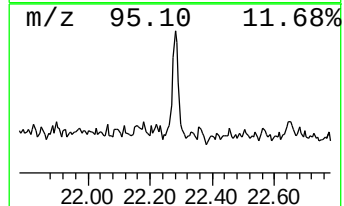
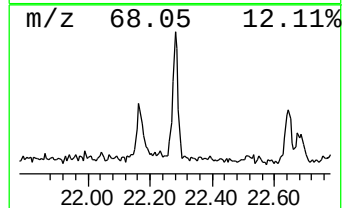
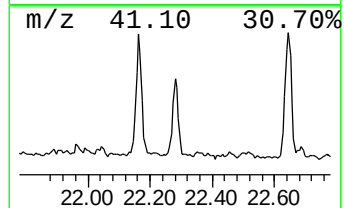
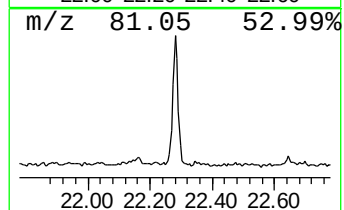
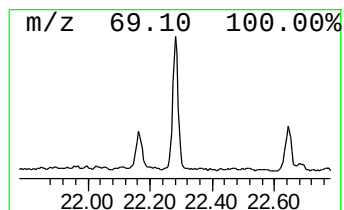
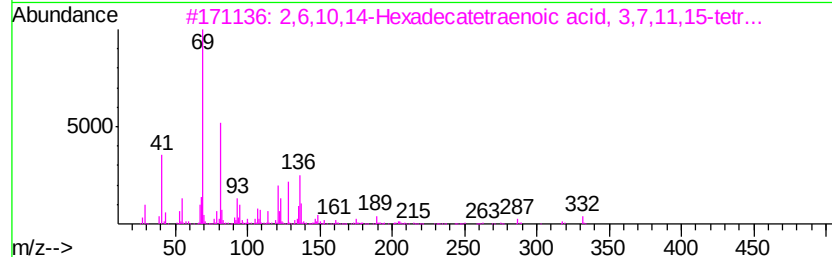
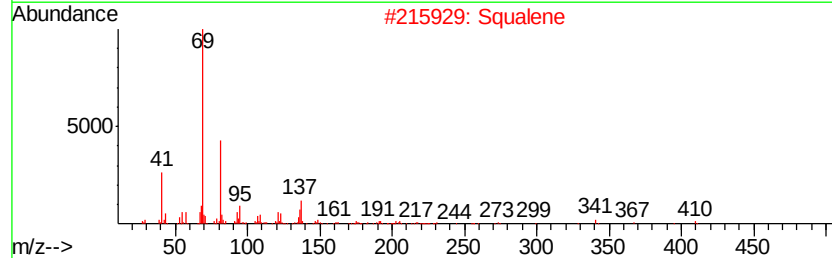
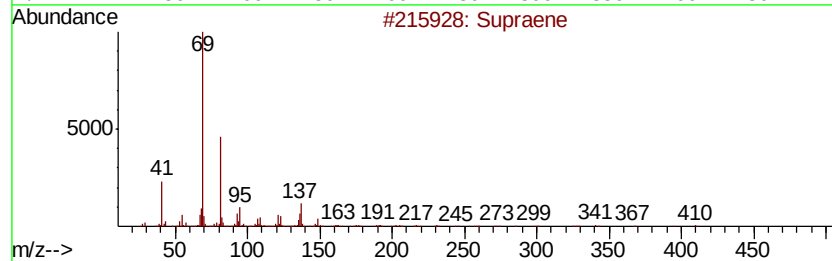
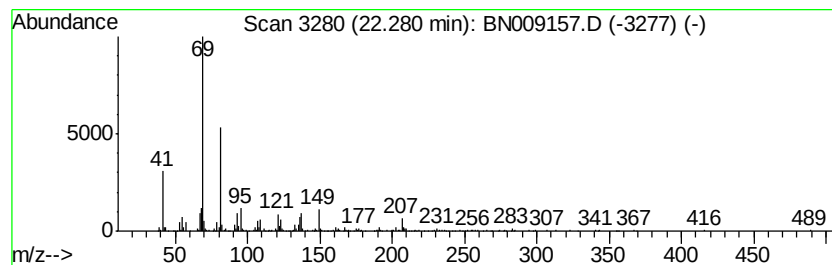
Instrument :  
BNA\_N  
ClientSampleId :  
C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Supraene Concentration Rank 13

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 22.28   | 2.12 ng/ul                          | 545974       | Perylene-d12     | 23.24          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Supraene                            |              | 410 C30H50       | 007683-64-9 74 |
| 2       | Squalene                            |              | 410 C30H50       | 000111-02-4 72 |
| 3       | 2,6,10,14-Hexadecatetraenoic aci... |              | 332 C22H36O2     | 024035-35-6 59 |
| 4       | 7,11-Dimethyldodeca-2,6,10-trien... |              | 208 C14H24O      | 125529-10-4 59 |
| 5       | 5,9,13-Pentadecatrien-2-one, 6,1... |              | 262 C18H30O      | 001117-52-8 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

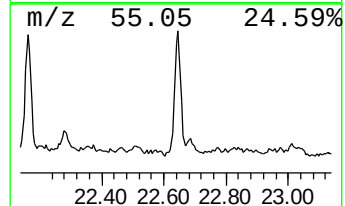
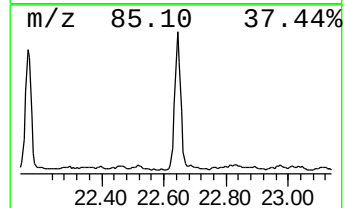
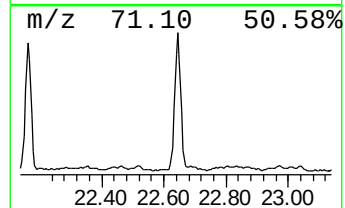
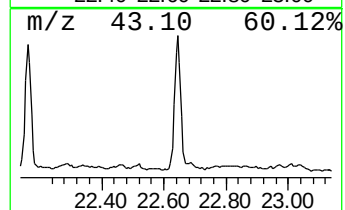
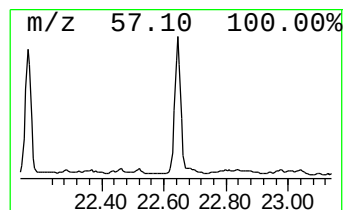
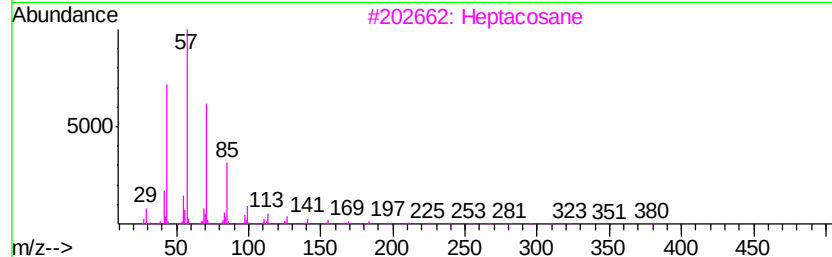
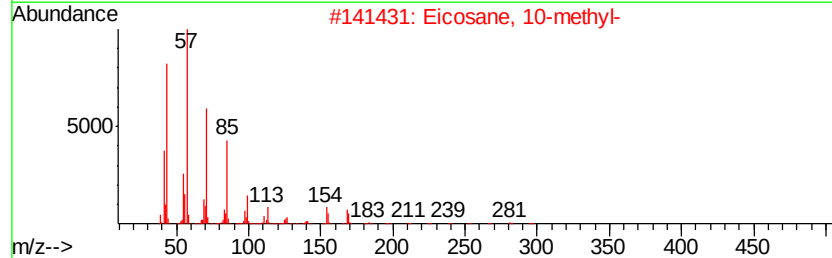
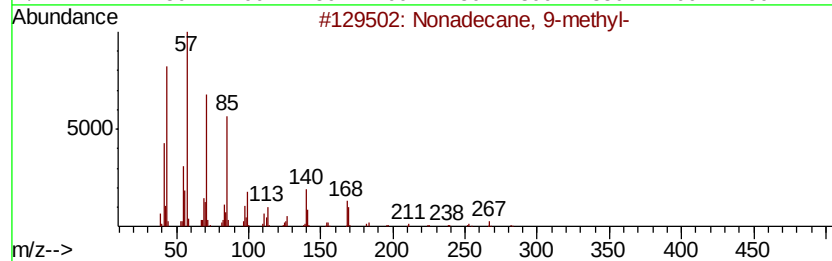
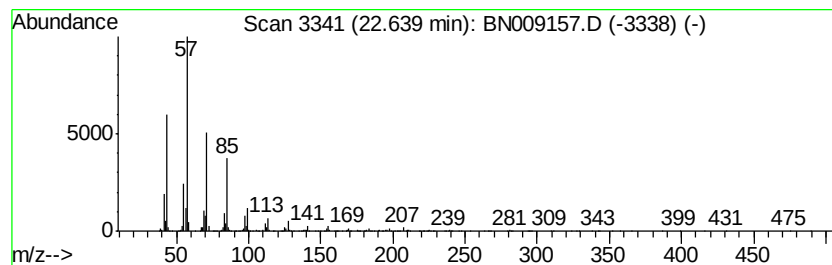
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.64 | 6.24 ng/ul | 1603750 | Perylene-d12     | 23.24 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane, 9-methyl- | 282 | C20H42  | 013287-24-6 | 91   |
| 2    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 91   |
| 3    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

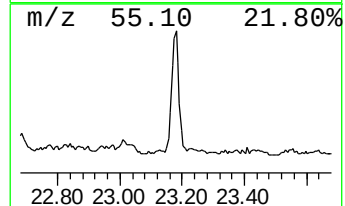
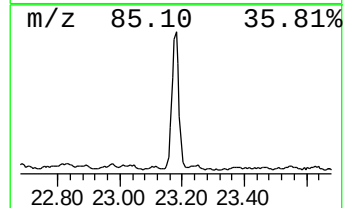
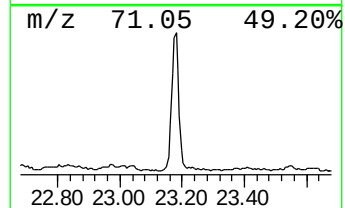
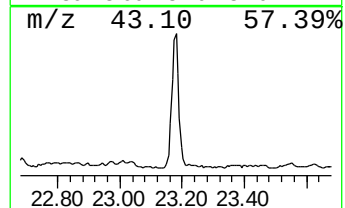
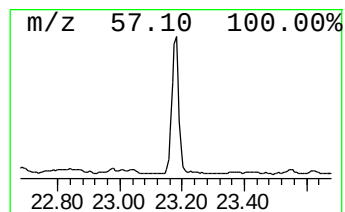
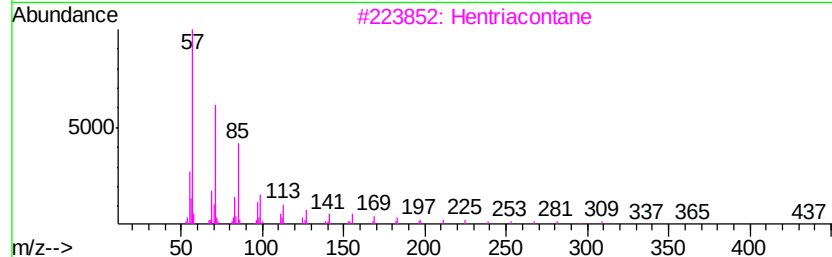
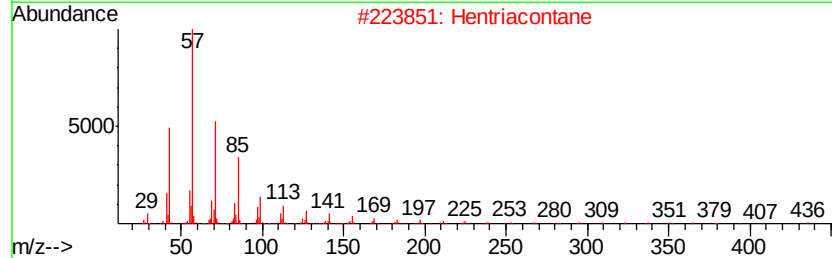
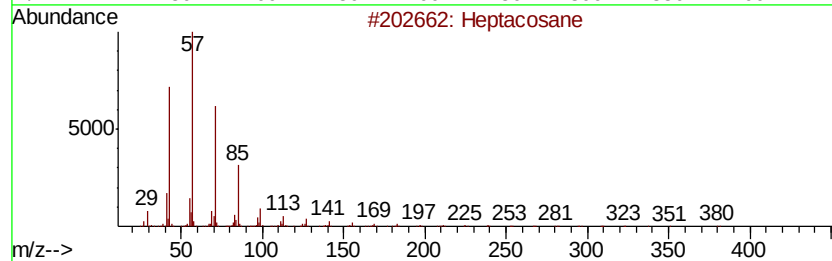
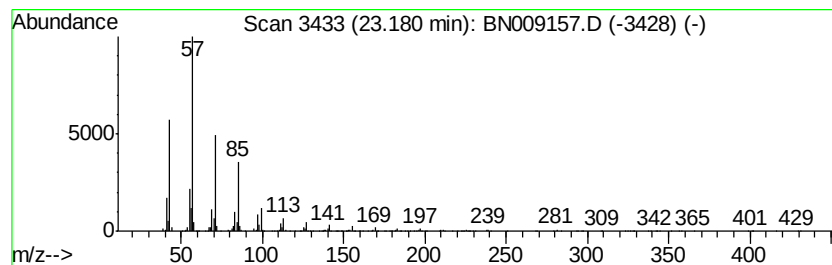
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.18 | 7.02 ng/ul | 1803990 | Perylene-d12     | 23.24 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 91   |
| 3    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 91   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 5    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

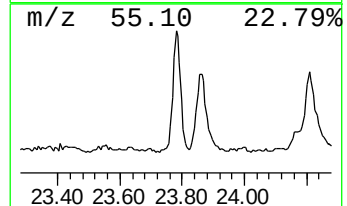
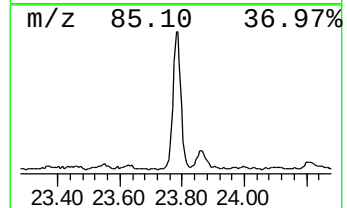
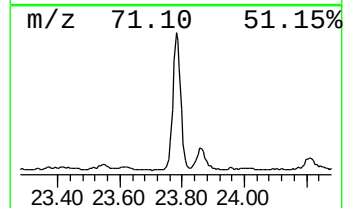
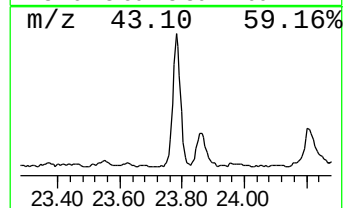
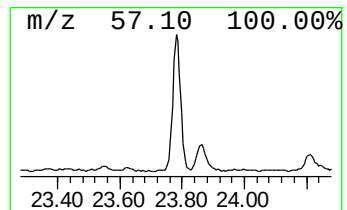
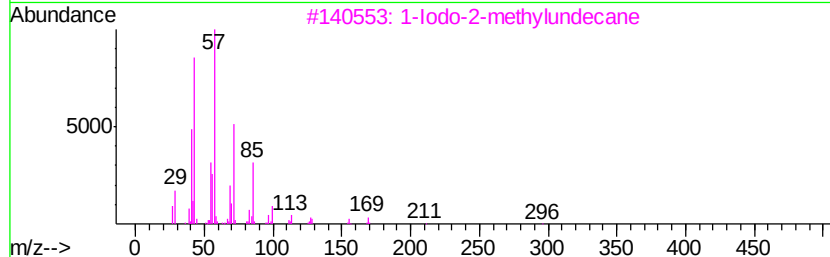
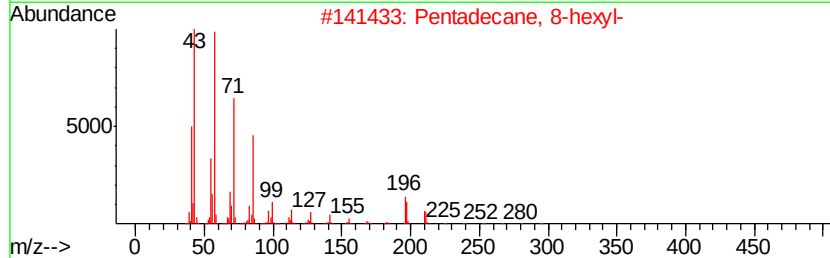
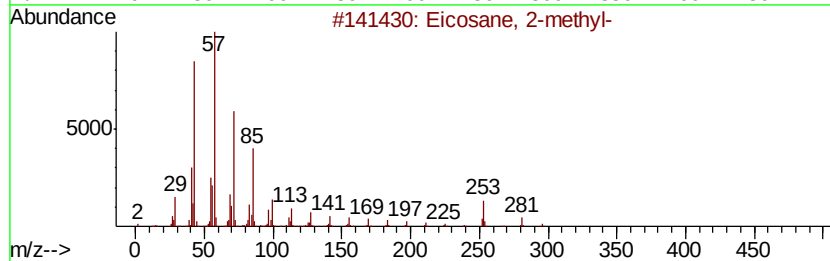
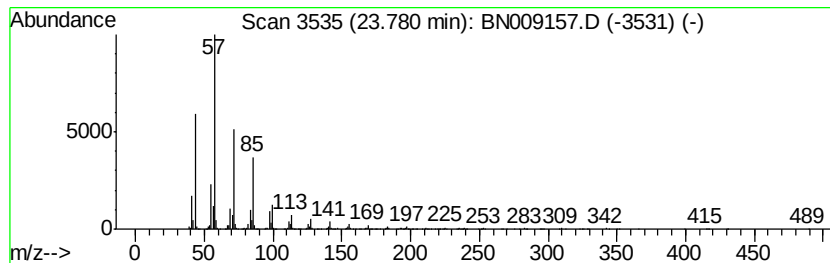
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.78 | 6.29 ng/ul | 1616770 | Perylene-d12     | 23.24 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane, 2-methyl-     | 296 | C21H44  | 001560-84-5 | 94   |
| 2    |    |   | Pentadecane, 8-hexyl-   | 296 | C21H44  | 013475-75-7 | 93   |
| 3    |    |   | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 93   |
| 4    |    |   | Hexacosane              | 366 | C26H54  | 000630-01-3 | 91   |
| 5    |    |   | Hexatriacontane         | 507 | C36H74  | 000630-06-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

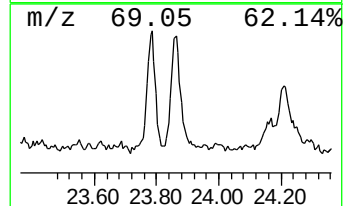
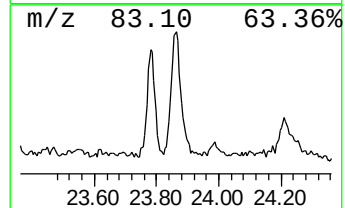
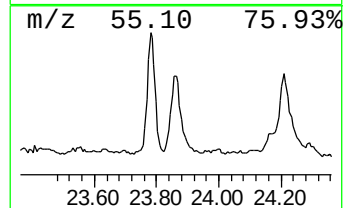
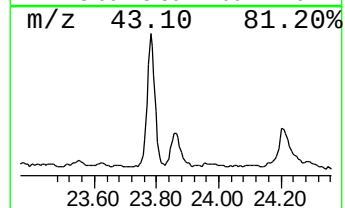
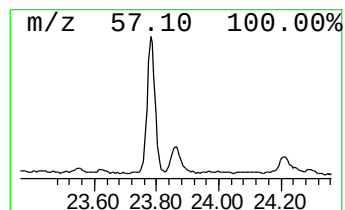
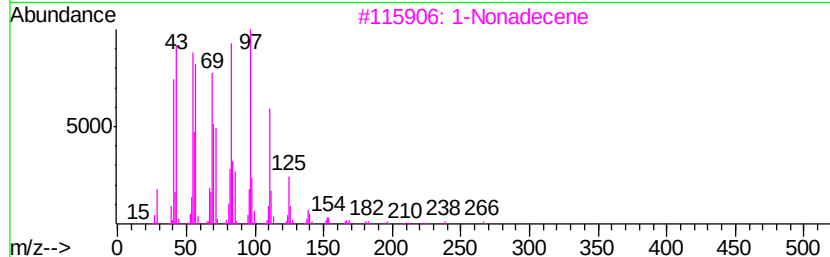
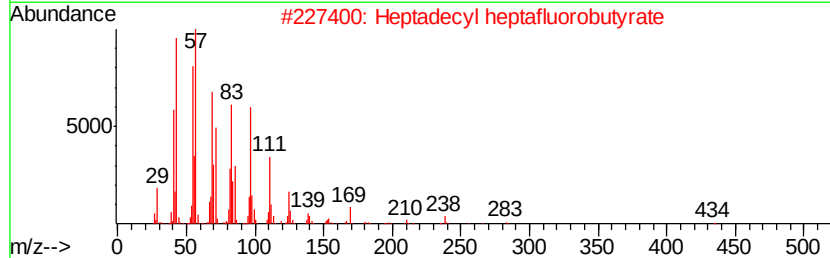
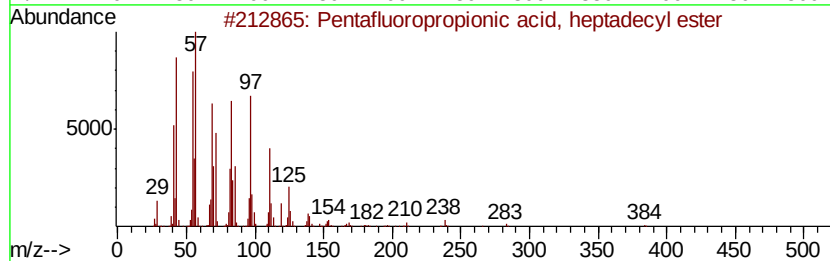
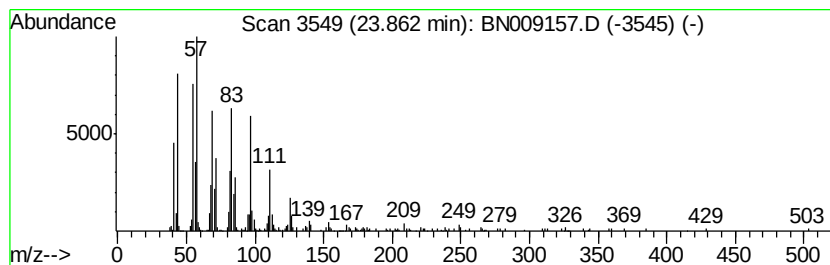
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Pentafluoropropionic acid, ... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.86 | 2.57 ng/ul | 661182 | Perylene-d12     | 23.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1  | 94   |
| 2    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6  | 94   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5  | 92   |
| 4    |    | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2 | 1000351-87-0 | 91   |
| 5    |    | Eicosyl trifluoroacetate            | 394 | C22H41F3O2 | 1000351-75-2 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

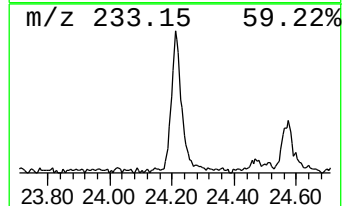
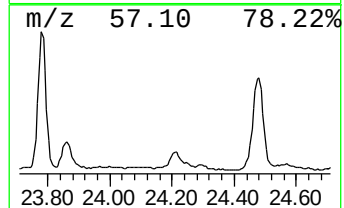
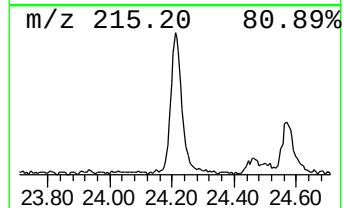
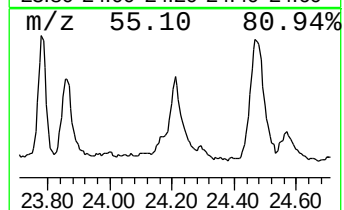
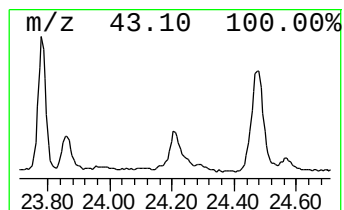
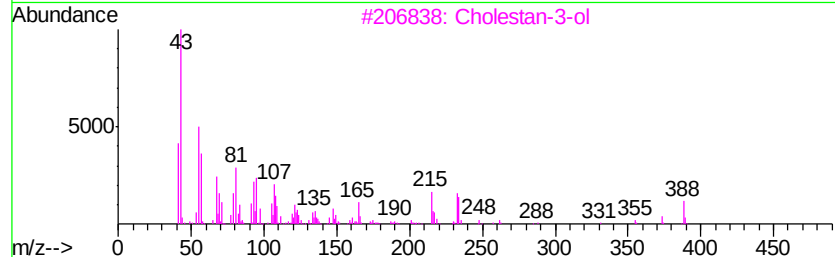
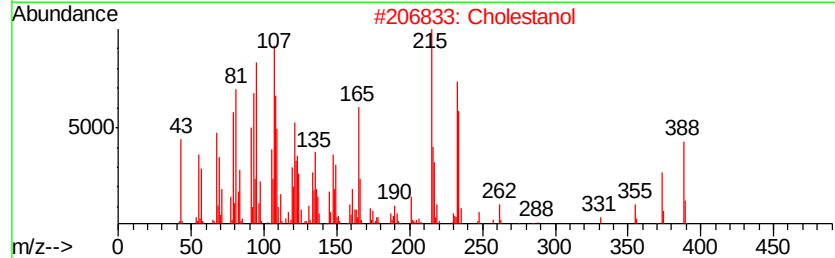
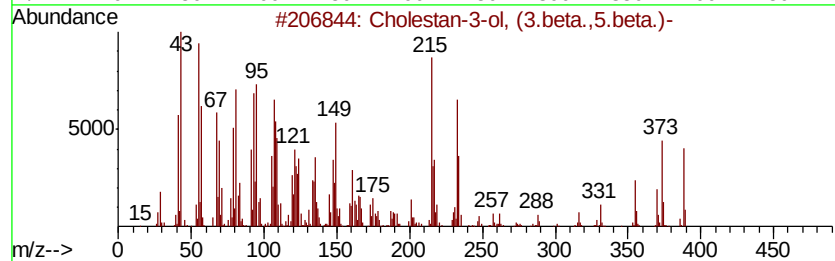
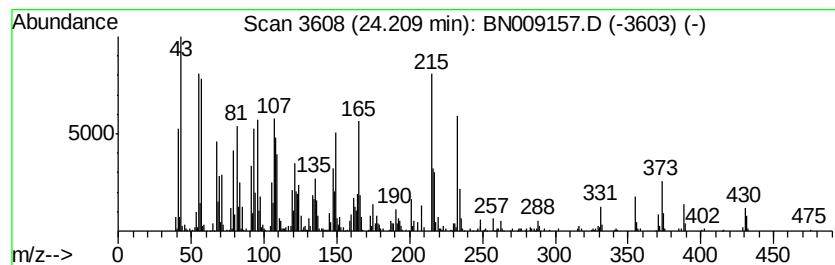
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Cholestan-3-ol, (3.beta.,5.... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.21 | 6.19 ng/ul | 1591650 | Perylene-d12     | 23.24 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cholestan-3-ol, (3.beta.,5.beta.)- | 388 | C27H48O | 000360-68-9 | 90   |
| 2    |    | Cholestanol                        | 388 | C27H48O | 000080-97-7 | 83   |
| 3    |    | Cholestan-3-ol                     | 388 | C27H48O | 027409-41-2 | 64   |
| 4    |    | Cholestan-3-ol                     | 388 | C27H48O | 027409-41-2 | 58   |
| 5    |    | Epicholestanol                     | 388 | C27H48O | 000516-95-0 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122419\  
Data File : BN009157.D  
Acq On : 25 Dec 2019 10:41  
Operator : JU  
Sample : K6276-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
Quant Title : SVOA CALIBRATION

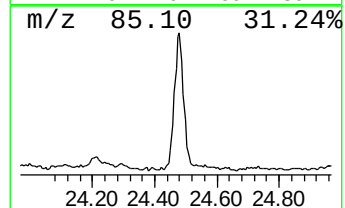
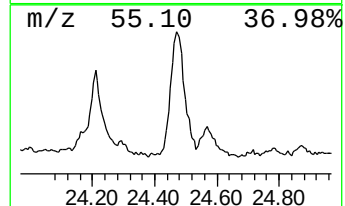
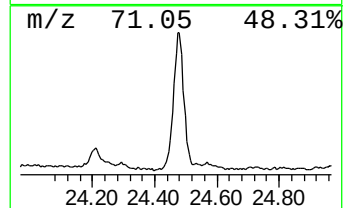
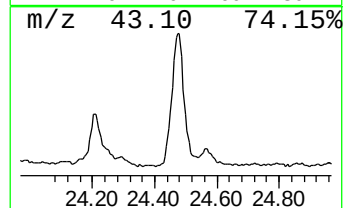
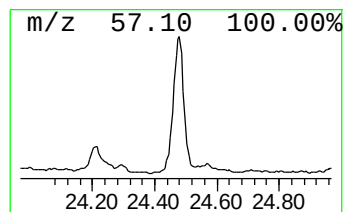
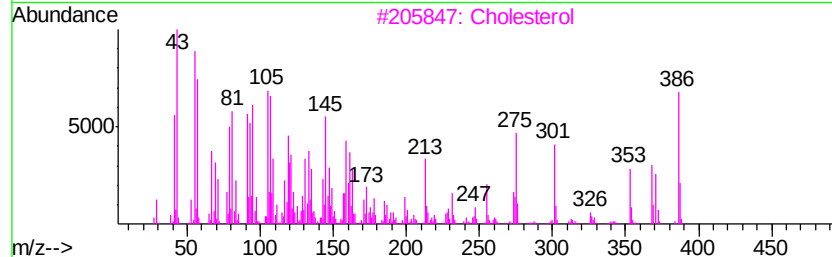
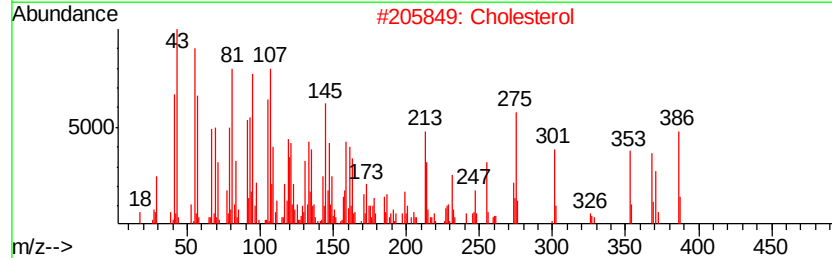
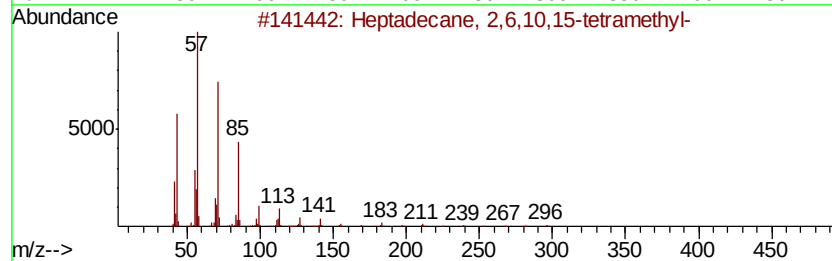
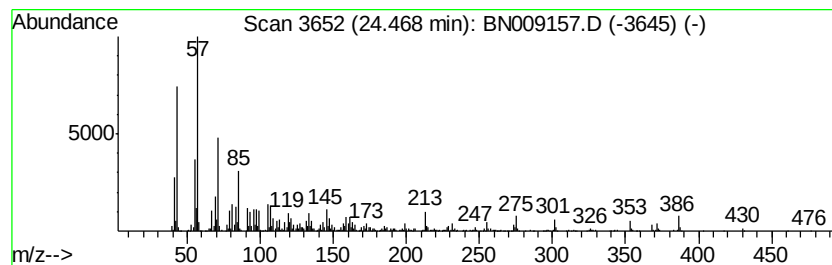
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.47 | 12.99 ng/ul | 3339990 | Perylene-d12     | 23.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 95   |
| 2    |    | Cholesterol                         | 386 | C27H46O  | 000057-88-5 | 94   |
| 3    |    | Cholesterol                         | 386 | C27H46O  | 000057-88-5 | 92   |
| 4    |    | 26-Nor-5-cholesten-3.beta.-ol-25... | 386 | C26H42O2 | 007494-34-0 | 92   |
| 5    |    | 26-Nor-5-cholesten-3.beta.-ol-25... | 386 | C26H42O2 | 007494-34-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN122419\  
 Data File : BN009157.D  
 Acq On : 25 Dec 2019 10:41  
 Operator : JU  
 Sample : K6276-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0C32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN122419MA.M  
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name      | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                       |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid   | 17.84 | 16.0    | ng/ul | 3908960  | 4                     | 16.90 | 4887620 | 20.0 |
| Octadecanoic acid     | 19.13 | 3.8     | ng/ul | 1034220  | 5                     | 21.11 | 5413330 | 20.0 |
| Tricosyl pentaflu...  | 20.86 | 11.2    | ng/ul | 3038470  | 5                     | 21.11 | 5413330 | 20.0 |
| (DEL) Alkane: Str...  | 21.30 | 3.9     | ng/ul | 1043980  | 5                     | 21.11 | 5413330 | 20.0 |
| (DEL) Alkane: Str...  | 21.72 | 5.5     | ng/ul | 1473790  | 5                     | 21.11 | 5413330 | 20.0 |
| (DEL) Alkane: Str...  | 22.16 | 5.3     | ng/ul | 1434040  | 5                     | 21.11 | 5413330 | 20.0 |
| Supraene              | 22.28 | 2.1     | ng/ul | 545974   | 6                     | 23.24 | 5141630 | 20.0 |
| (DEL) Alkane: Str...  | 22.64 | 6.2     | ng/ul | 1603750  | 6                     | 23.24 | 5141630 | 20.0 |
| (DEL) Alkane: Str...  | 23.18 | 7.0     | ng/ul | 1803990  | 6                     | 23.24 | 5141630 | 20.0 |
| (DEL) Alkane: Str...  | 23.78 | 6.3     | ng/ul | 1616770  | 6                     | 23.24 | 5141630 | 20.0 |
| Pentafluoropropio...  | 23.86 | 2.6     | ng/ul | 661182   | 6                     | 23.24 | 5141630 | 20.0 |
| Cholestan-3-ol, (...) | 24.21 | 6.2     | ng/ul | 1591650  | 6                     | 23.24 | 5141630 | 20.0 |
| (DEL) Alkane: Str...  | 24.47 | 13.0    | ng/ul | 3339990  | 6                     | 23.24 | 5141630 | 20.0 |