

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
 Data File : BM019600.D  
 Acq On : 30 Mar 2019 03:30  
 Operator : JU/SJ  
 Sample : K2084-08  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF7X6

## 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\_M\METHODS\SOM-EPA-BM032219MA.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         | 3.122       | 21            | 23          | 34           | rVB      | 26938          | 51149         | 1.04%           | 0.113%        |
| 2         | 4.181       | 198           | 203         | 206          | rBV5     | 5956           | 11773         | 0.24%           | 0.026%        |
| 3         | 6.757       | 635           | 641         | 658          | rBV      | 332217         | 706501        | 14.34%          | 1.567%        |
| 4         | 6.928       | 664           | 670         | 688          | rBV      | 263825         | 511147        | 10.38%          | 1.134%        |
| 5         | 7.110       | 695           | 701         | 715          | rVB      | 423723         | 711587        | 14.45%          | 1.578%        |
| 6         | 7.575       | 774           | 780         | 791          | rBV      | 481280         | 809471        | 16.43%          | 1.795%        |
| 7         | 8.292       | 896           | 902         | 919          | rBV      | 443027         | 842993        | 17.12%          | 1.870%        |
| 8         | 8.745       | 973           | 979         | 996          | rBV      | 344646         | 647534        | 13.15%          | 1.436%        |
| 9         | 9.075       | 1030          | 1035        | 1040         | rBV2     | 7701           | 11834         | 0.24%           | 0.026%        |
| 10        | 9.463       | 1094          | 1101        | 1119         | rBV      | 298088         | 550566        | 11.18%          | 1.221%        |
| 11        | 9.757       | 1145          | 1151        | 1152         | rBV2     | 4198           | 5823          | 0.12%           | 0.013%        |
| 12        | 9.992       | 1184          | 1191        | 1211         | rBV      | 426810         | 867859        | 17.62%          | 1.925%        |
| 13        | 10.357      | 1246          | 1253        | 1263         | rBV      | 739748         | 1237136       | 25.12%          | 2.744%        |
| 14        | 10.522      | 1275          | 1281        | 1309         | rBV      | 363109         | 857104        | 17.40%          | 1.901%        |
| 15        | 11.980      | 1523          | 1529        | 1537         | rVB2     | 3538           | 9308          | 0.19%           | 0.021%        |
| 16        | 12.551      | 1617          | 1626        | 1632         | rBV5     | 4025           | 10503         | 0.21%           | 0.023%        |
| 17        | 13.657      | 1808          | 1814        | 1819         | rBV      | 941910         | 1354247       | 27.50%          | 3.004%        |
| 18        | 13.704      | 1819          | 1822        | 1832         | rVB      | 153506         | 237755        | 4.83%           | 0.527%        |
| 19        | 13.927      | 1853          | 1860        | 1874         | rVB      | 1141124        | 1631993       | 33.13%          | 3.620%        |
| 20        | 14.233      | 1906          | 1912        | 1927         | rBV2     | 1070515        | 1667848       | 33.86%          | 3.699%        |
| 21        | 14.486      | 1949          | 1955        | 1981         | rBV      | 170188         | 557851        | 11.33%          | 1.237%        |
| 22        | 14.663      | 1981          | 1985        | 1992         | rVB      | 56047          | 86200         | 1.75%           | 0.191%        |
| 23        | 15.027      | 2042          | 2047        | 2051         | rBV3     | 4153           | 6525          | 0.13%           | 0.014%        |
| 24        | 15.080      | 2051          | 2056        | 2059         | rVB2     | 6973           | 9975          | 0.20%           | 0.022%        |
| 25        | 15.239      | 2076          | 2083        | 2095         | rBV      | 1436478        | 2110697       | 42.85%          | 4.681%        |
| 26        | 15.327      | 2095          | 2098        | 2103         | rVV3     | 14690          | 19258         | 0.39%           | 0.043%        |
| 27        | 15.386      | 2103          | 2108        | 2120         | rVV      | 339958         | 568007        | 11.53%          | 1.260%        |
| 28        | 15.480      | 2120          | 2124        | 2128         | rVB3     | 18045          | 28545         | 0.58%           | 0.063%        |
| 29        | 15.945      | 2199          | 2203        | 2205         | rBV3     | 5899           | 7905          | 0.16%           | 0.018%        |
| 30        | 16.027      | 2213          | 2217        | 2220         | rVB2     | 5417           | 6679          | 0.14%           | 0.015%        |
| 31        | 16.133      | 2231          | 2235        | 2240         | rVB4     | 8051           | 12880         | 0.26%           | 0.029%        |
| 32        | 16.410      | 2276          | 2282        | 2287         | rBV2     | 12407          | 23891         | 0.49%           | 0.053%        |
| 33        | 16.739      | 2333          | 2338        | 2342         | rBV4     | 5171           | 7906          | 0.16%           | 0.018%        |
| 34        | 16.792      | 2342          | 2347        | 2354         | rVB4     | 5359           | 11182         | 0.23%           | 0.025%        |

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 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 16.904 | 2363 | 2366 | 2369 | rBV3 | 4876    | 5504    | 0.11%  | 0.012% |
| 36 | 16.998 | 2375 | 2382 | 2392 | rBV  | 1396325 | 1994074 | 40.49% | 4.423% |
| 37 | 17.092 | 2392 | 2398 | 2416 | rVB2 | 1616942 | 2347171 | 47.65% | 5.206% |
| 38 | 17.286 | 2426 | 2431 | 2436 | rBV5 | 6633    | 10303   | 0.21%  | 0.023% |
| 39 | 17.339 | 2436 | 2440 | 2444 | rVV4 | 10506   | 12938   | 0.26%  | 0.029% |
| 40 | 17.380 | 2444 | 2447 | 2454 | rVB6 | 4990    | 8743    | 0.18%  | 0.019% |
| 41 | 17.480 | 2460 | 2464 | 2466 | rBV3 | 6425    | 8096    | 0.16%  | 0.018% |
| 42 | 17.833 | 2520 | 2524 | 2528 | rBV3 | 7013    | 9571    | 0.19%  | 0.021% |
| 43 | 17.892 | 2528 | 2534 | 2545 | rBV  | 260897  | 466947  | 9.48%  | 1.036% |
| 44 | 18.174 | 2579 | 2582 | 2590 | rBV5 | 14524   | 21609   | 0.44%  | 0.048% |
| 45 | 18.574 | 2646 | 2650 | 2652 | rBV4 | 3627    | 4971    | 0.10%  | 0.011% |
| 46 | 18.604 | 2652 | 2655 | 2659 | rBV  | 27612   | 33044   | 0.67%  | 0.073% |
| 47 | 18.651 | 2659 | 2663 | 2667 | rVV  | 55398   | 60126   | 1.22%  | 0.133% |
| 48 | 18.745 | 2676 | 2679 | 2685 | rBV6 | 8904    | 13703   | 0.28%  | 0.030% |
| 49 | 18.815 | 2687 | 2691 | 2696 | rVB2 | 14463   | 18297   | 0.37%  | 0.041% |
| 50 | 19.039 | 2724 | 2729 | 2740 | rBV4 | 30702   | 83328   | 1.69%  | 0.185% |
| 51 | 19.180 | 2748 | 2753 | 2766 | rBV  | 143188  | 273967  | 5.56%  | 0.608% |
| 52 | 19.403 | 2785 | 2791 | 2796 | rBV  | 2080176 | 2878330 | 58.44% | 6.384% |
| 53 | 19.739 | 2843 | 2848 | 2851 | rBV  | 611840  | 649069  | 13.18% | 1.440% |
| 54 | 19.774 | 2851 | 2854 | 2861 | rVB  | 1149649 | 1238768 | 25.15% | 2.747% |
| 55 | 19.909 | 2874 | 2877 | 2879 | rBV4 | 22250   | 29205   | 0.59%  | 0.065% |
| 56 | 19.933 | 2879 | 2881 | 2885 | rVB  | 55117   | 58455   | 1.19%  | 0.130% |
| 57 | 20.309 | 2943 | 2945 | 2946 | rBV2 | 11983   | 8156    | 0.17%  | 0.018% |
| 58 | 20.433 | 2962 | 2966 | 2970 | rBV  | 114622  | 130135  | 2.64%  | 0.289% |
| 59 | 20.474 | 2971 | 2973 | 2976 | rVV3 | 14035   | 13122   | 0.27%  | 0.029% |
| 60 | 20.715 | 3010 | 3014 | 3017 | rBV  | 294339  | 314064  | 6.38%  | 0.697% |
| 61 | 20.750 | 3017 | 3020 | 3029 | rVB  | 509508  | 543075  | 11.03% | 1.204% |
| 62 | 20.898 | 3041 | 3045 | 3054 | rBV  | 854207  | 992882  | 20.16% | 2.202% |
| 63 | 21.197 | 3091 | 3096 | 3107 | rBV2 | 2112990 | 2829112 | 57.44% | 6.275% |
| 64 | 21.333 | 3116 | 3119 | 3124 | rBV  | 308646  | 336741  | 6.84%  | 0.747% |
| 65 | 21.580 | 3158 | 3161 | 3163 | rBV  | 162930  | 162926  | 3.31%  | 0.361% |
| 66 | 21.609 | 3163 | 3166 | 3170 | rVB  | 236971  | 269792  | 5.48%  | 0.598% |
| 67 | 21.762 | 3188 | 3192 | 3200 | rBV  | 417705  | 555184  | 11.27% | 1.231% |
| 68 | 22.209 | 3264 | 3268 | 3275 | rVB  | 579253  | 722173  | 14.66% | 1.602% |
| 69 | 22.486 | 3312 | 3315 | 3318 | rBV3 | 119292  | 161962  | 3.29%  | 0.359% |
| 70 | 22.521 | 3318 | 3321 | 3327 | rVB  | 195014  | 265065  | 5.38%  | 0.588% |
| 71 | 22.703 | 3347 | 3352 | 3358 | rVB  | 603431  | 866605  | 17.59% | 1.922% |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
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BF7X6

## Integration Parameters: LSCINT.P

Integrator: RTE  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 23.262 | 3440 | 3447 | 3458 | rBV2 | 2704929 | 4925410 | 100.00% | 10.924% |
| 73 | 23.403 | 3464 | 3471 | 3483 | rVB  | 1743029 | 3297053 | 66.94%  | 7.312%  |
| 74 | 23.880 | 3546 | 3552 | 3560 | rVB  | 496818  | 903515  | 18.34%  | 2.004%  |
| 75 | 23.968 | 3564 | 3567 | 3577 | rVB3 | 167882  | 318706  | 6.47%   | 0.707%  |
| 76 | 24.597 | 3668 | 3674 | 3681 | rVB  | 324339  | 671878  | 13.64%  | 1.490%  |
| 77 | 25.438 | 3813 | 3817 | 3826 | rVB2 | 172100  | 383112  | 7.78%   | 0.850%  |

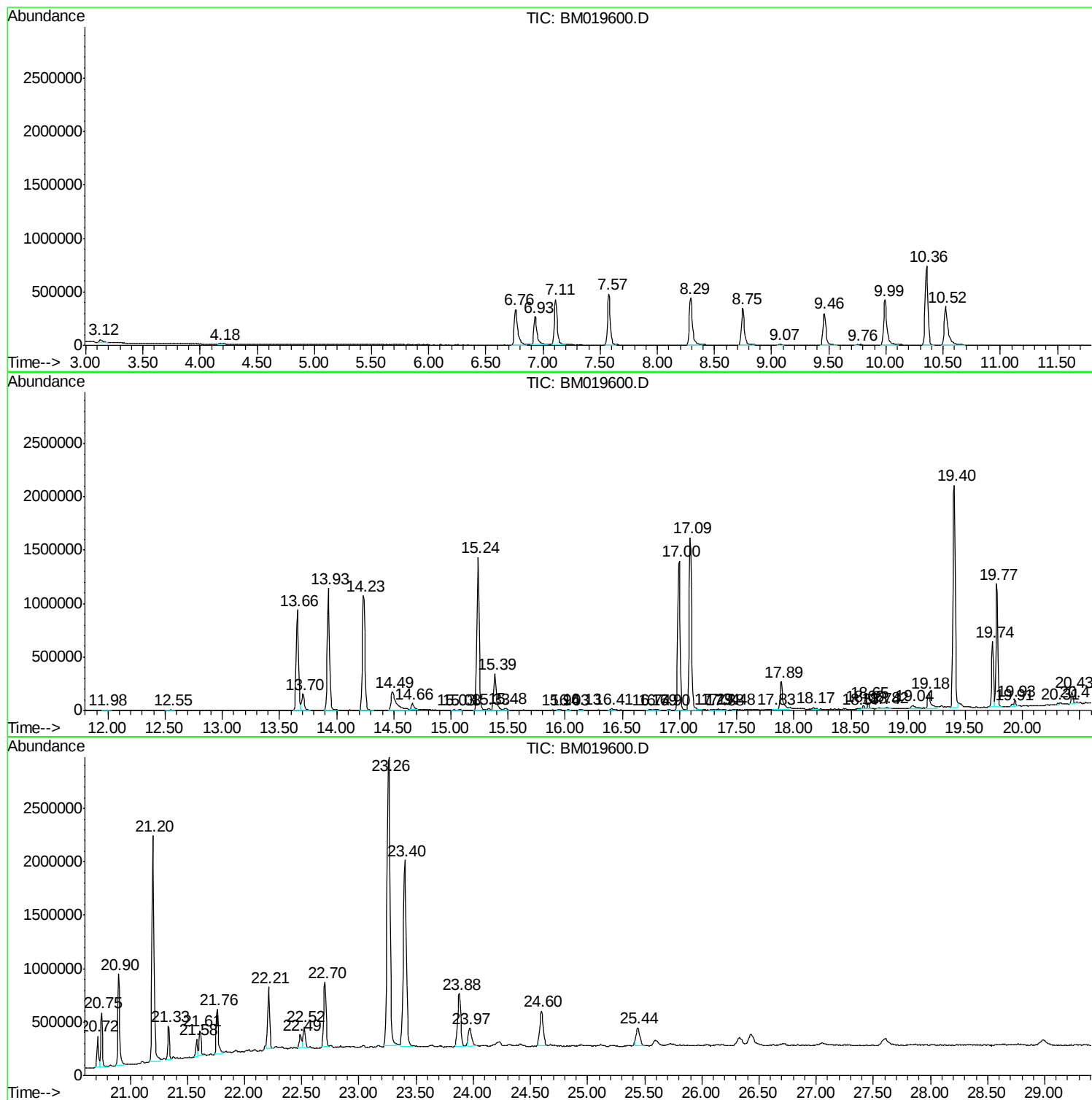
Sum of corrected areas: 45088519

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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



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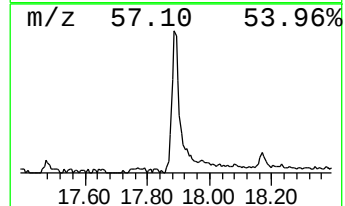
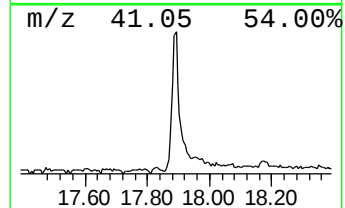
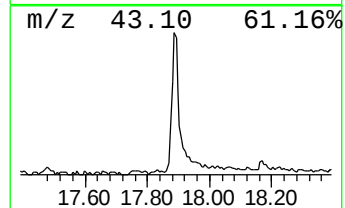
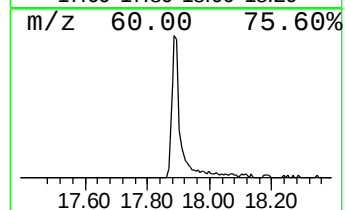
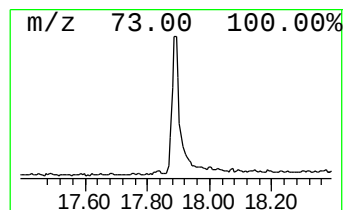
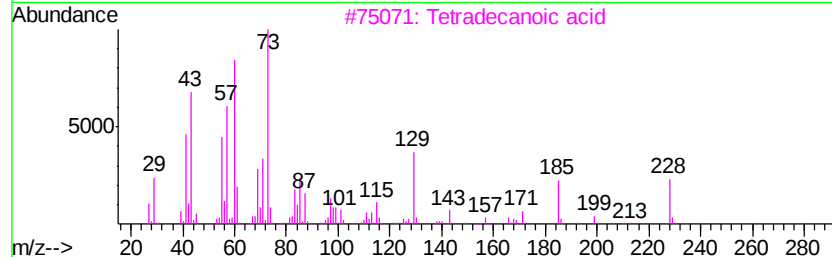
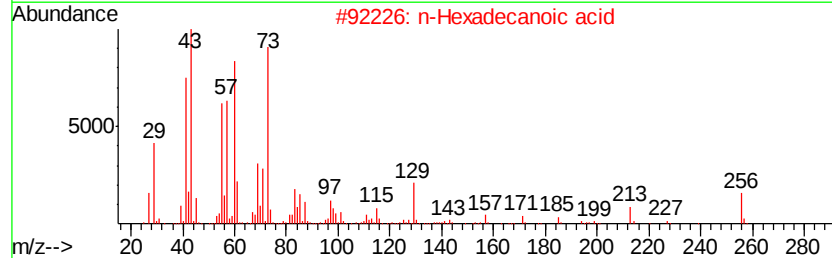
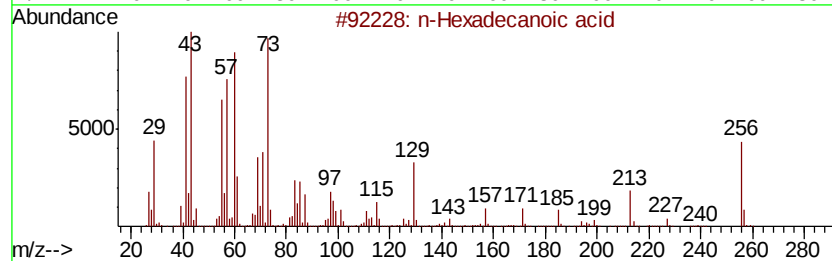
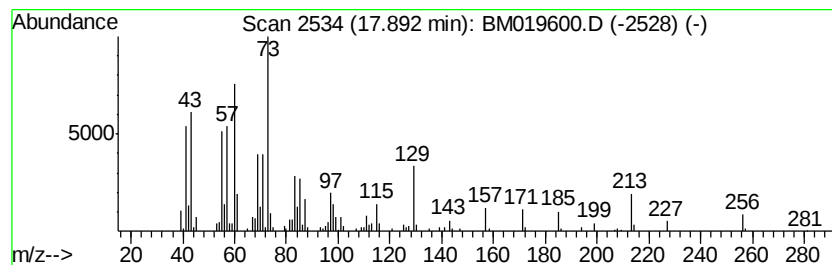
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 6

| R.T.    | EstConc             | Area         | Relative to ISTD |             | R.T.  |      |
|---------|---------------------|--------------|------------------|-------------|-------|------|
| 17.89   | 4.68 ng/ul          | 466947       | Phenanthrene-d10 |             | 17.00 |      |
| 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 | 72    |      |
| 4       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 70    |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 70    |      |



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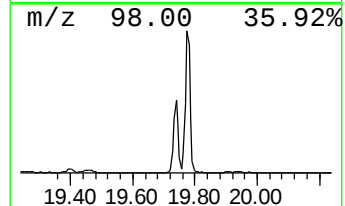
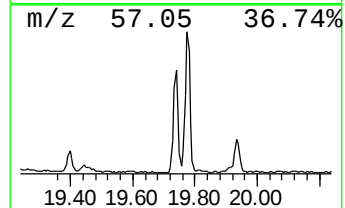
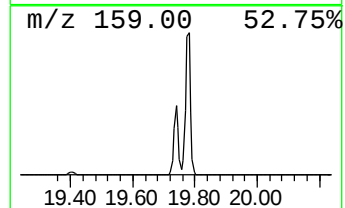
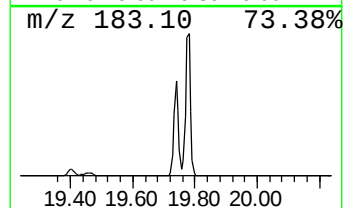
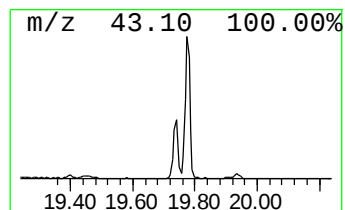
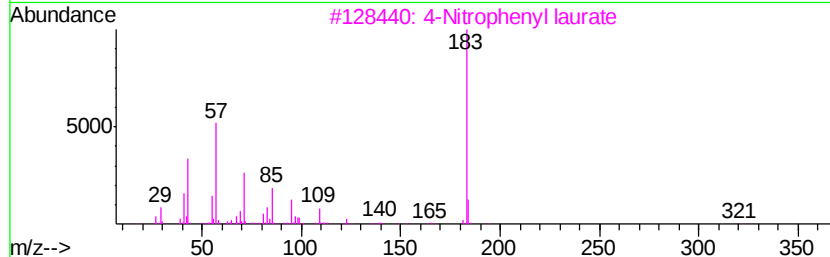
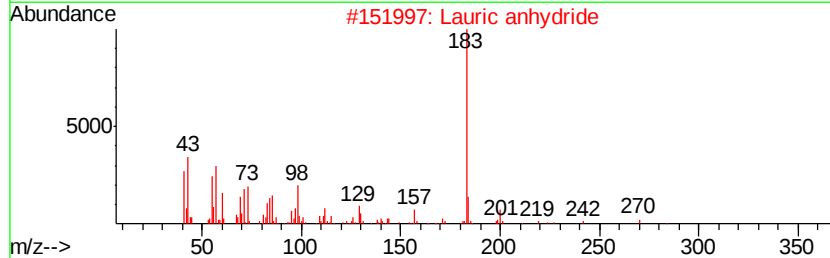
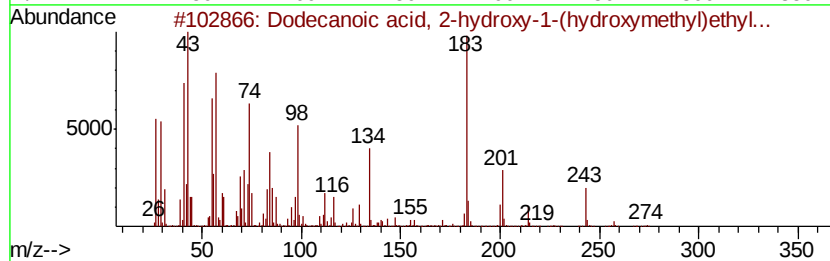
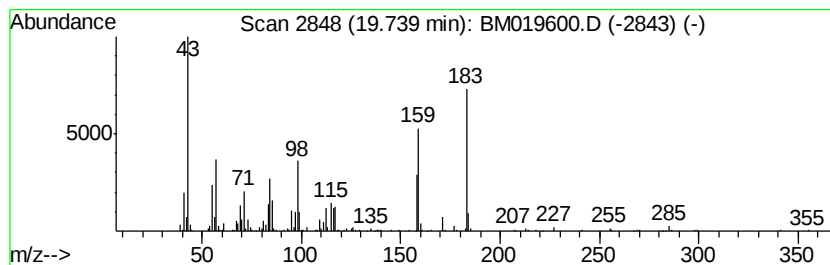
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Dodecanoic acid, 2-hydroxy-... Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 19.74   | 4.59 ng/ul                          | 649069       | Chrysene-d12     | 21.20       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | Dodecanoic acid, 2-hydroxy-1-(hy... | 274          | C15H30O4         | 001678-45-1 | 52   |      |
| 2       | Lauric anhydride                    | 382          | C24H46O3         | 000645-66-9 | 38   |      |
| 3       | 4-Nitrophenyl laurate               | 321          | C18H27NO4        | 001956-11-2 | 27   |      |
| 4       | 4-Hydroxy-3-nitrobenzoic acid       | 183          | C7H5NO5          | 000616-82-0 | 27   |      |
| 5       | 4-Hydroxy-3-nitrobenzoic acid       | 183          | C7H5NO5          | 000616-82-0 | 27   |      |



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Quant Title : SVOA CALIBRATION

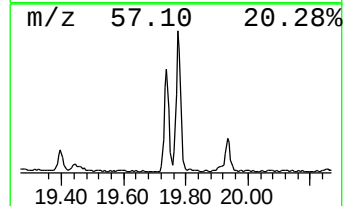
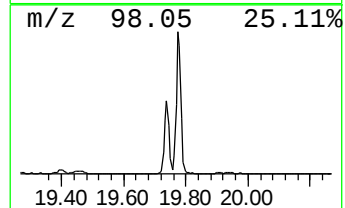
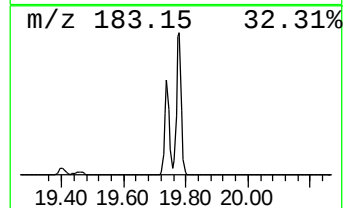
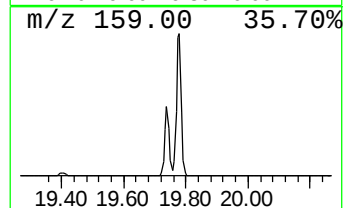
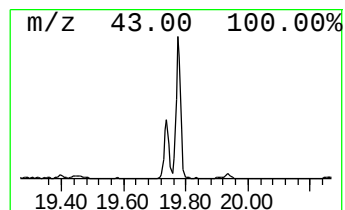
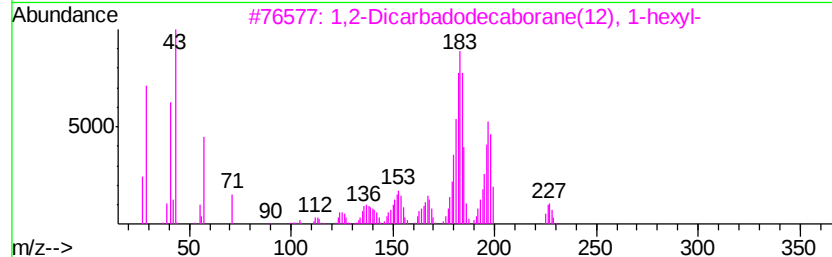
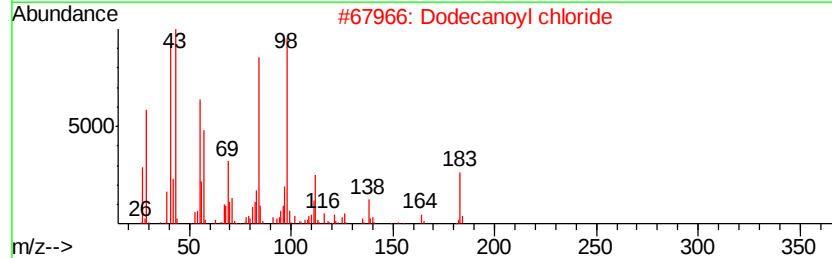
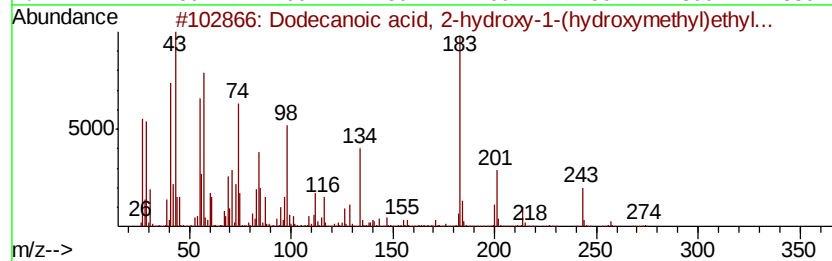
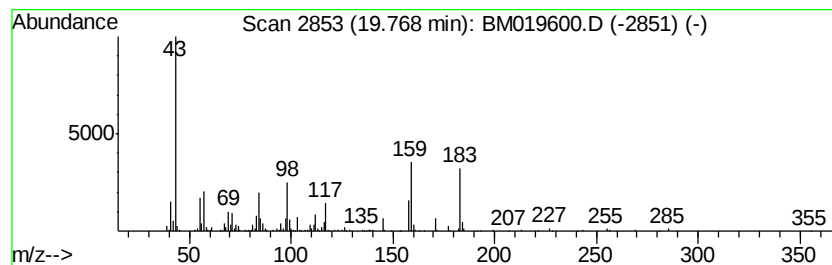
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 19.77 | 8.76 ng/ul | 1238770 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Dodecanoic acid, 2-hydroxy-1-(hy... | 274 | C15H30O4  | 001678-45-1 | 38   |
| 2    |    | Dodecanoyl chloride                 | 218 | C12H23ClO | 000112-16-3 | 23   |
| 3    |    | 1,2-Dicarbadoecaborane(12), 1-h...  | 230 | C8H24B10  | 020740-05-0 | 10   |
| 4    |    | Eicosanoic acid, 2-(acetyloxy)-1... | 470 | C27H50O6  | 055429-68-0 | 10   |
| 5    |    | Eicosanoic acid, 2,3-bis(acetylo... | 470 | C27H50O6  | 055429-67-9 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

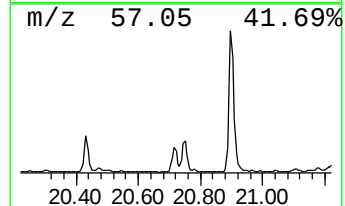
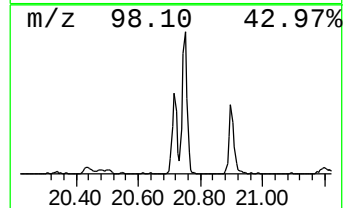
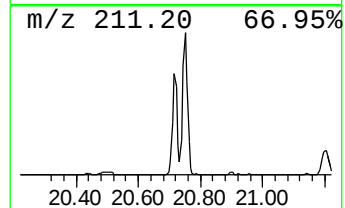
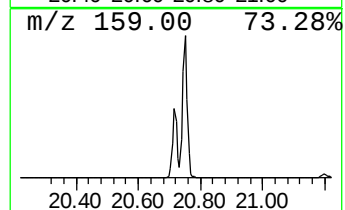
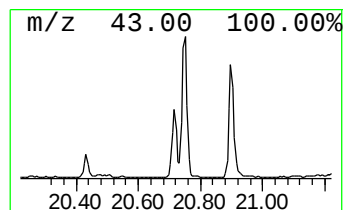
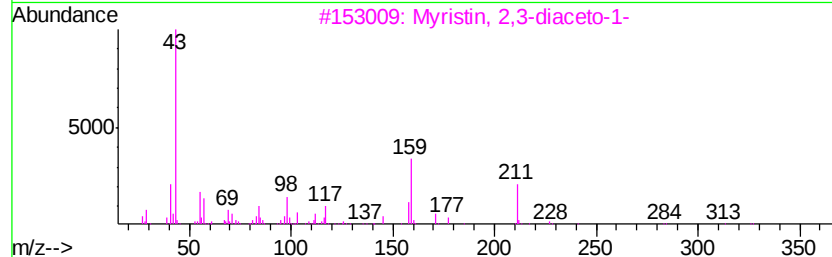
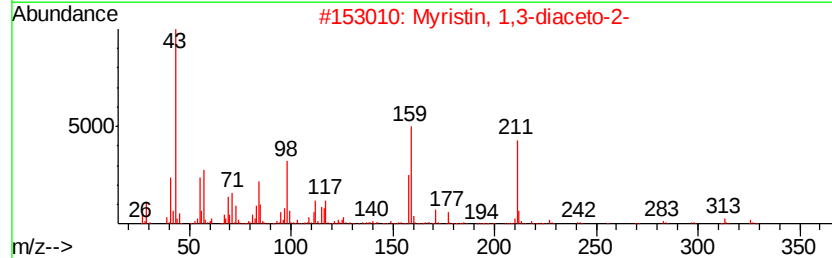
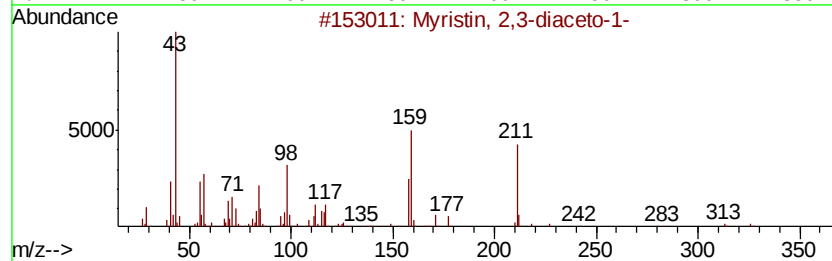
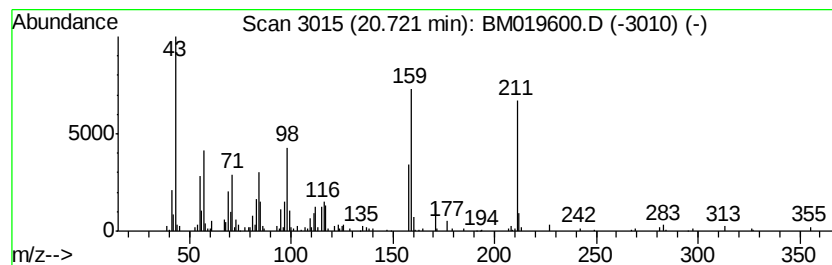
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Myristin, 2,3-diaceto-1- Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.72 | 2.22 ng/ul | 314064 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Myristin, 2,3-diaceto-1-            | 386 | C21H38O6 | 014473-55-3 | 91   |
| 2    |    | Myristin, 1,3-diaceto-2-            | 386 | C21H38O6 | 014290-23-4 | 91   |
| 3    |    | Myristin, 2,3-diaceto-1-            | 386 | C21H38O6 | 014473-55-3 | 64   |
| 4    |    | Hexadecanoic acid, 2,3-bis(acety... | 414 | C23H42O6 | 055268-70-7 | 62   |
| 5    |    | Tetradecanoic acid, 2-hydroxy-1-... | 302 | C17H34O4 | 003443-83-2 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

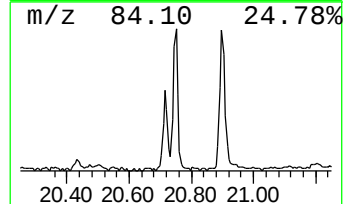
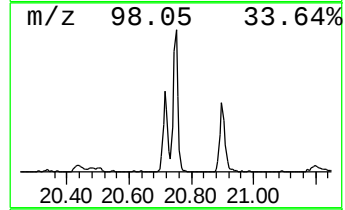
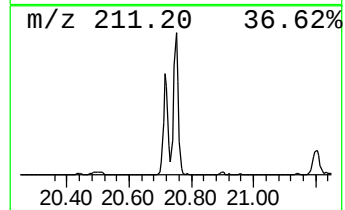
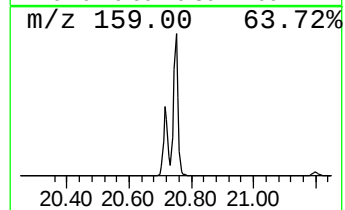
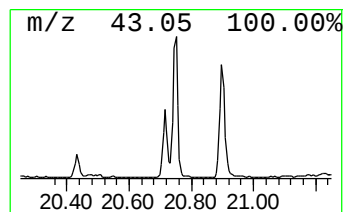
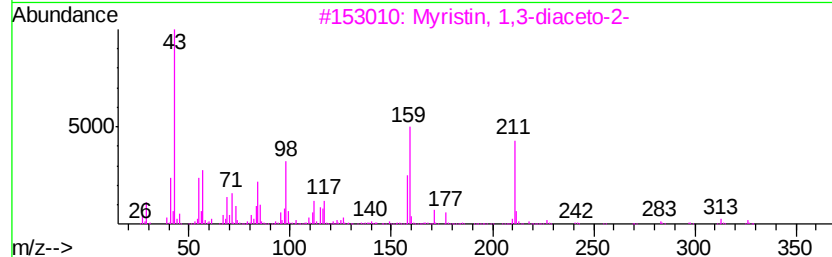
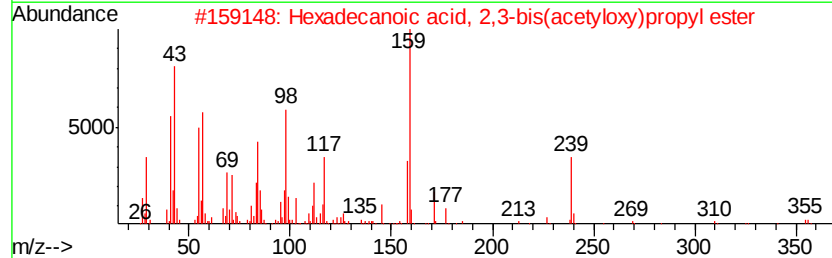
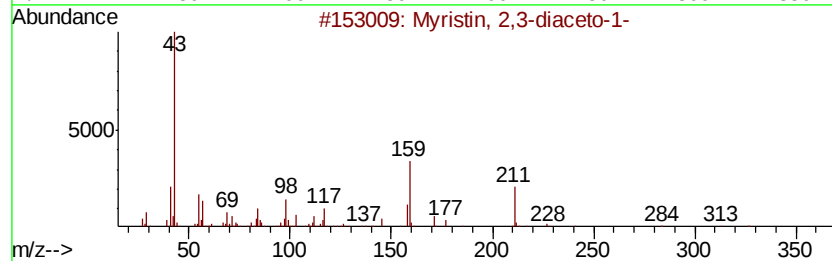
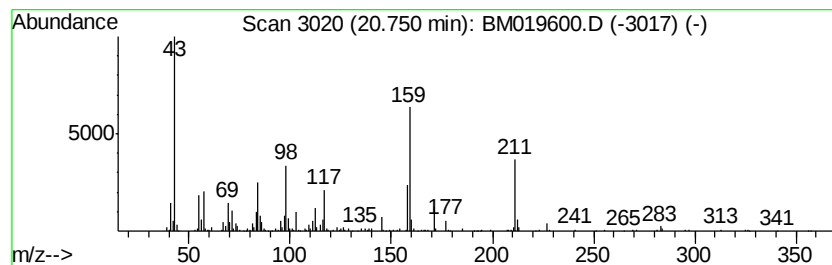
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexadecanoic acid, 2,3-bis(...) Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.75 | 3.84 ng/ul | 543075 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Myristin, 2,3-diaceto-1-            | 386 | C21H38O6 | 014473-55-3 | 83   |
| 2    |    | Hexadecanoic acid, 2,3-bis(acety... | 414 | C23H42O6 | 055268-70-7 | 74   |
| 3    |    | Myristin, 1,3-diaceto-2-            | 386 | C21H38O6 | 014290-23-4 | 68   |
| 4    |    | Myristin, 2,3-diaceto-1-            | 386 | C21H38O6 | 014473-55-3 | 58   |
| 5    |    | Eicosanoic acid, 2-(acetyloxy)-1... | 470 | C27H50O6 | 055429-68-0 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

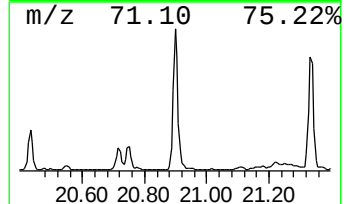
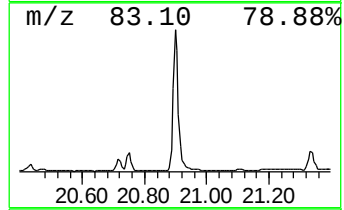
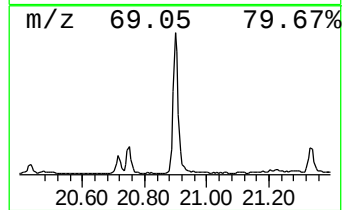
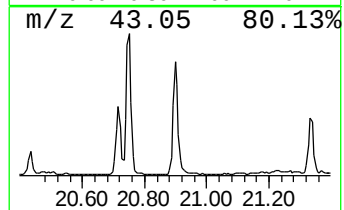
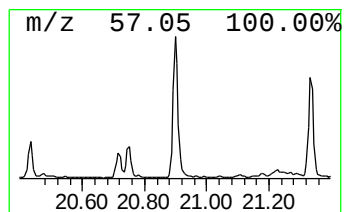
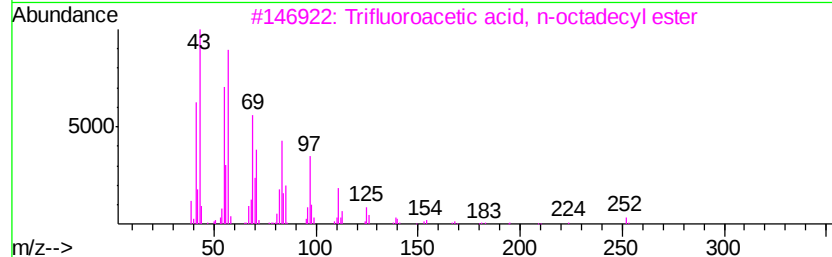
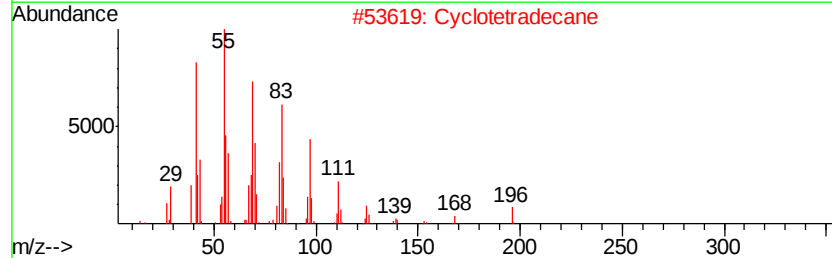
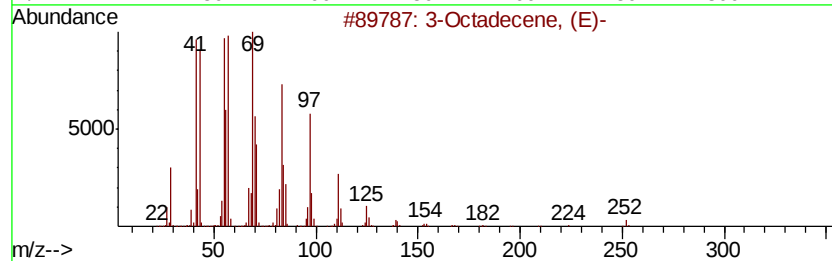
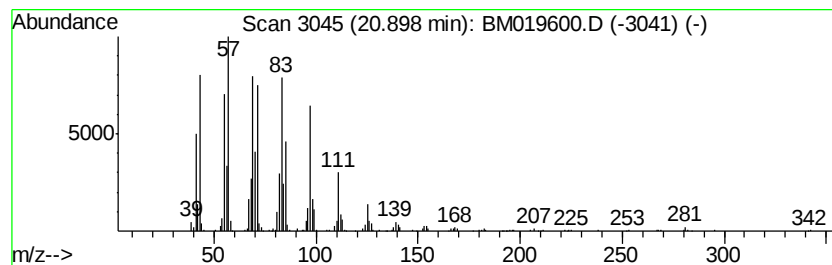
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Cyclic20.90 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.90 | 7.02 ng/ul | 992882 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 3-Octadecene, (E)-                  | 252 | C18H36     | 007206-19-1 | 93   |
| 2    |    | Cyclotetradecane                    | 196 | C14H28     | 000295-17-0 | 86   |
| 3    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 83   |
| 4    |    | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2   | 002136-70-1 | 81   |
| 5    |    | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

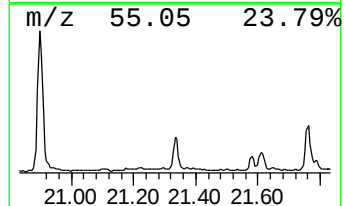
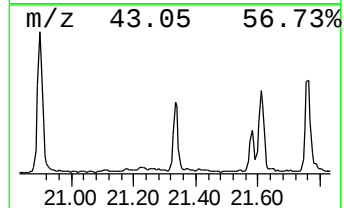
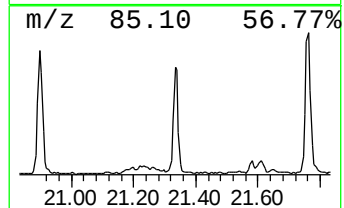
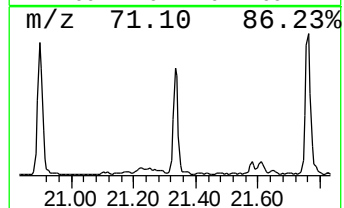
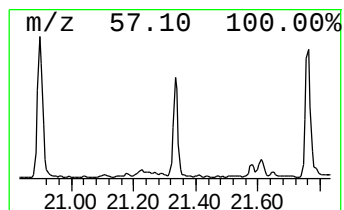
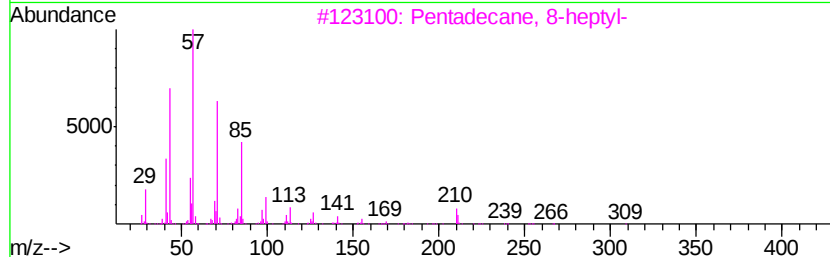
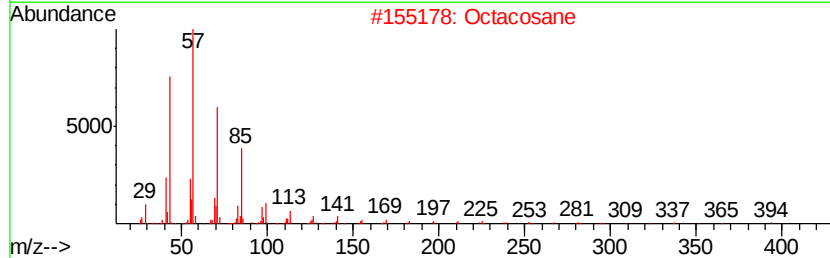
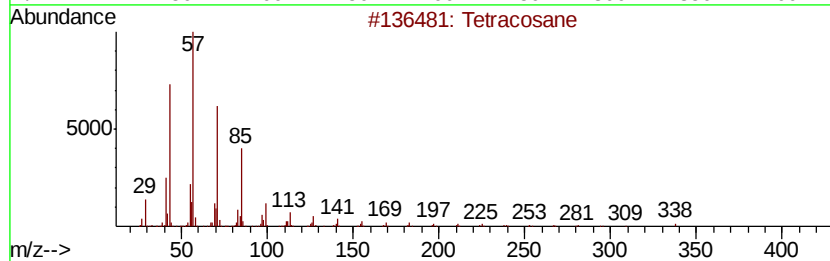
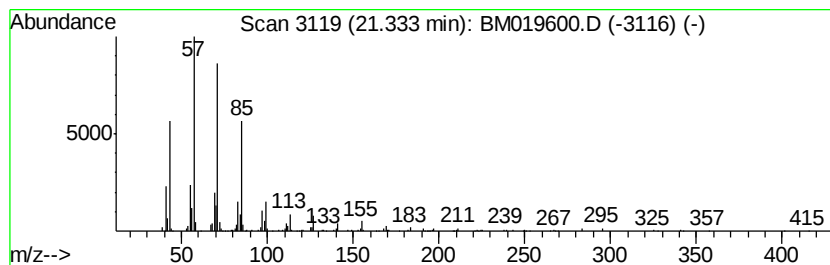
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.33 | 2.38 ng/ul | 336741 | Chrysene-d12     | 21.20 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    |   | Octacosane                          | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    |   | Pentadecane, 8-heptyl-              | 310 | C22H46  | 071005-15-7 | 90   |
| 4    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 5    |    |   | Eicosane, 7-hexyl-                  | 366 | C26H54  | 055333-99-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

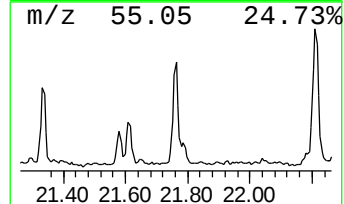
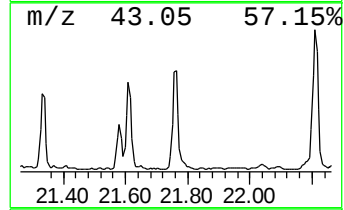
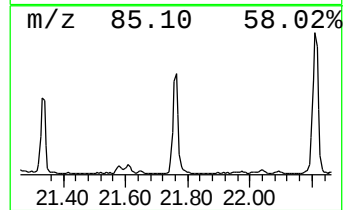
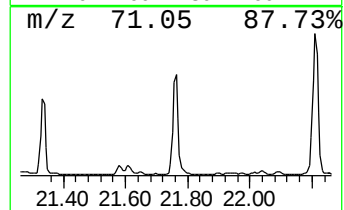
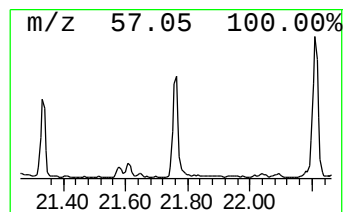
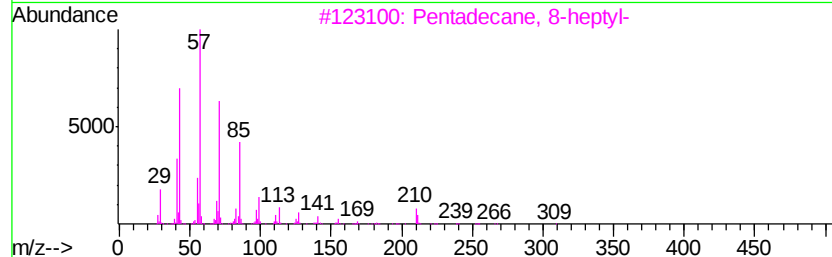
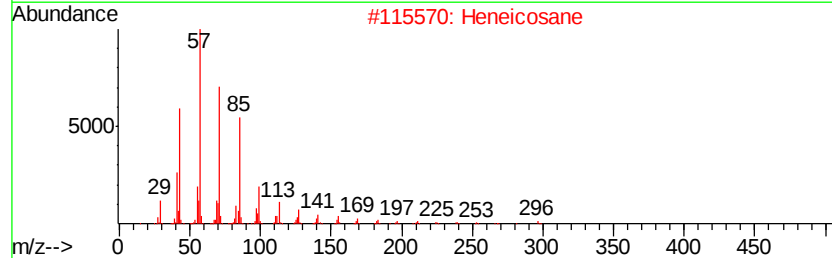
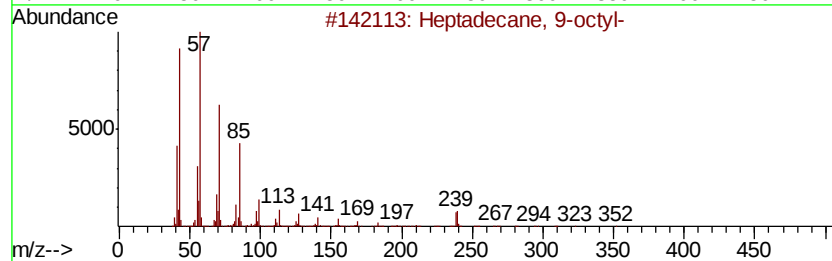
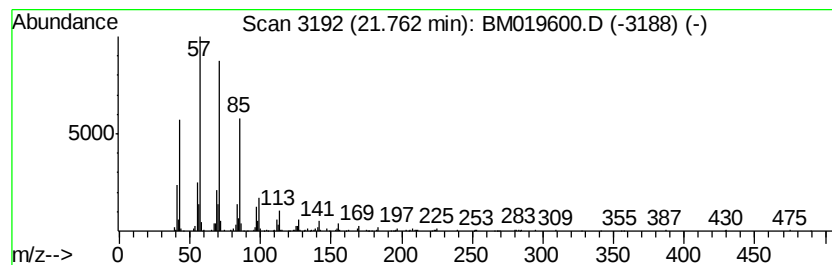
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.76 | 3.92 ng/ul | 555184 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 90   |
| 4    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 90   |
| 5    |    | Hexadecane             | 226 | C16H34  | 000544-76-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

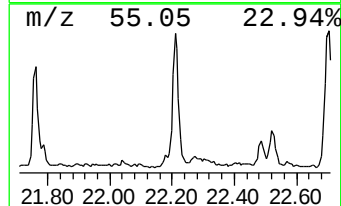
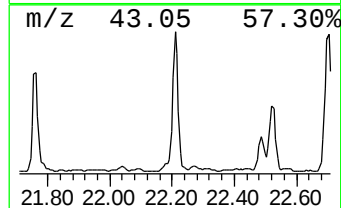
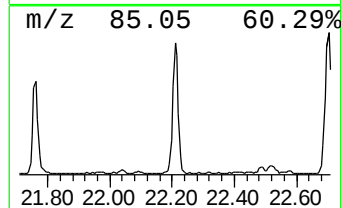
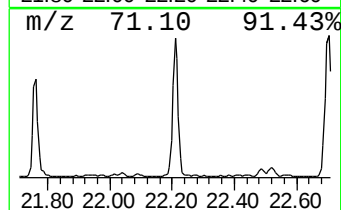
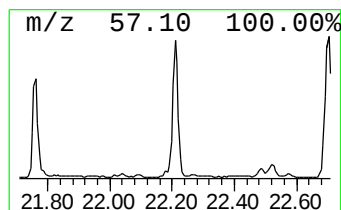
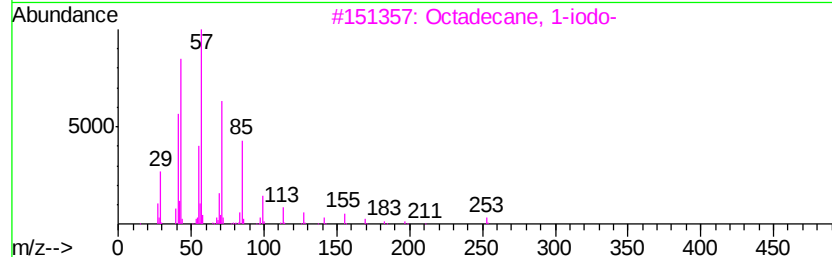
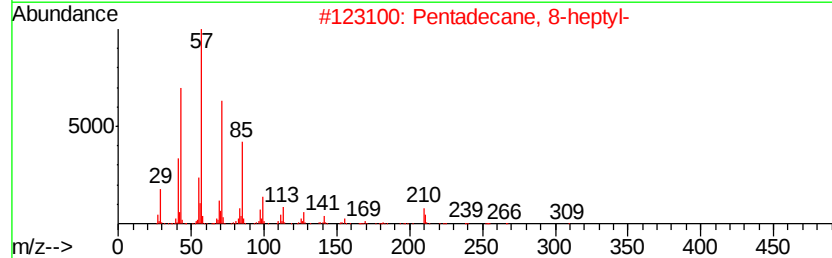
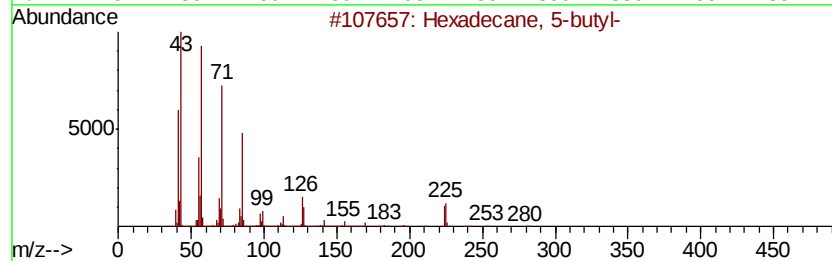
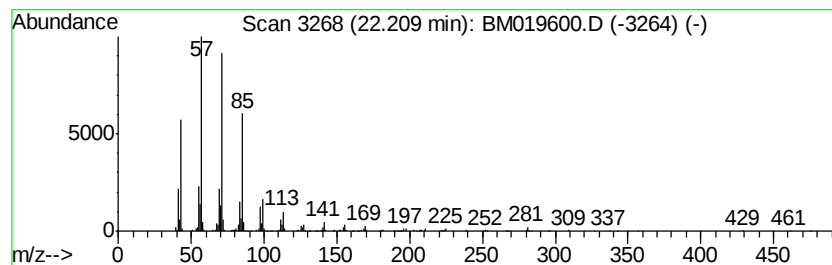
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.21 | 5.11 ng/ul | 722173 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 5-butyl-   | 282 | C20H42  | 006912-07-8 | 90   |
| 2    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 90   |
| 3    |    | Octadecane, 1-iodo-    | 380 | C18H37I | 000629-93-6 | 86   |
| 4    |    | Docosane               | 310 | C22H46  | 000629-97-0 | 86   |
| 5    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

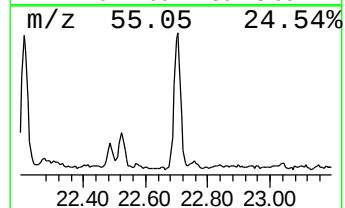
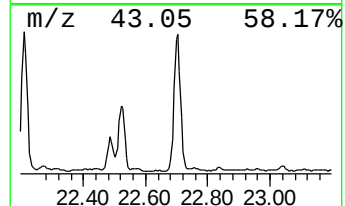
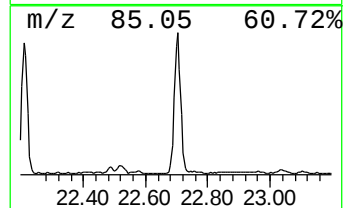
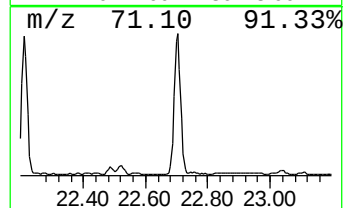
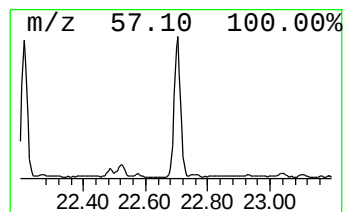
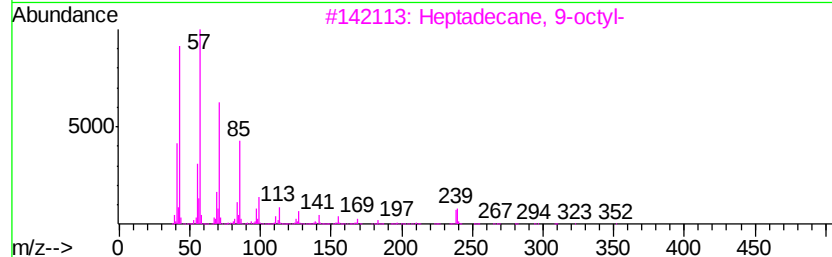
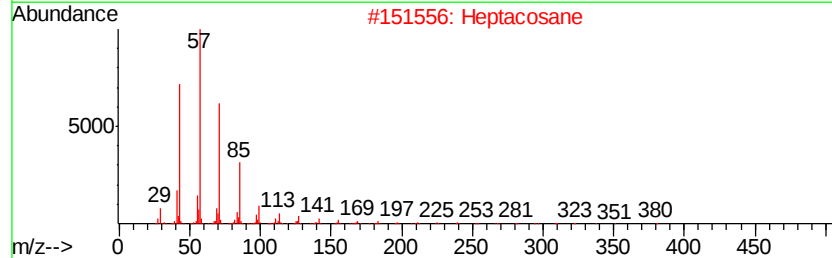
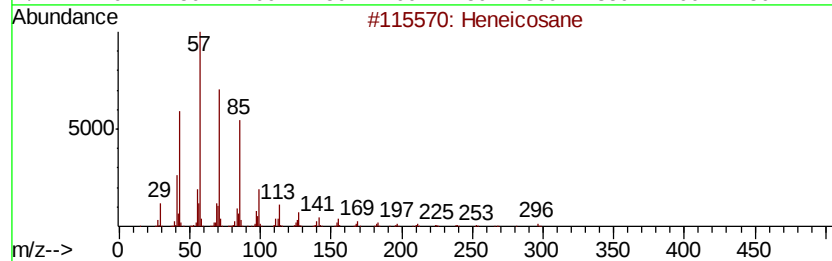
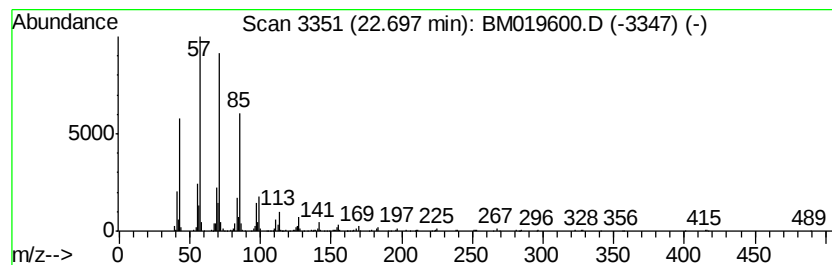
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.70 | 5.26 ng/ul | 866605 | Perylene-d12     | 23.40 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    |   | Heptacosane                      | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    |   | Heptadecane, 9-octyl-            | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    |   | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 5    |    |   | Pentadecane, 8-heptyl-           | 310 | C22H46  | 071005-15-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

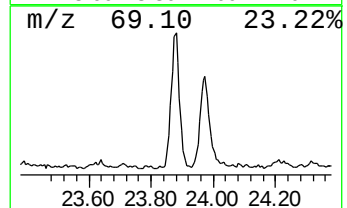
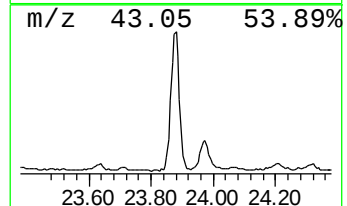
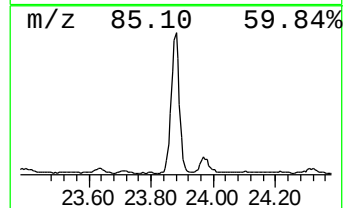
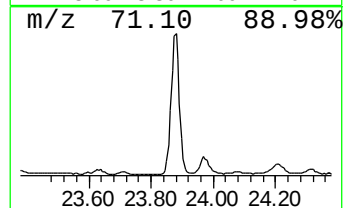
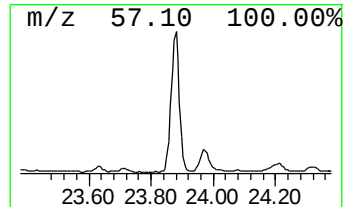
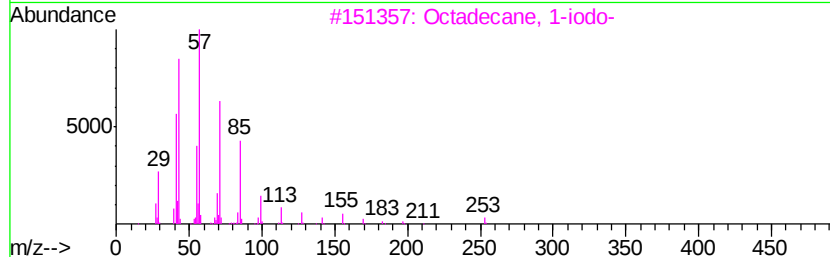
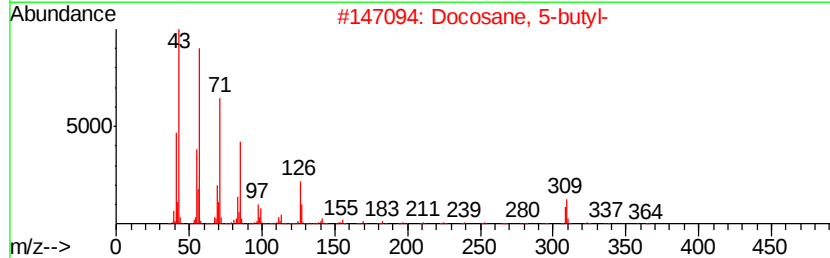
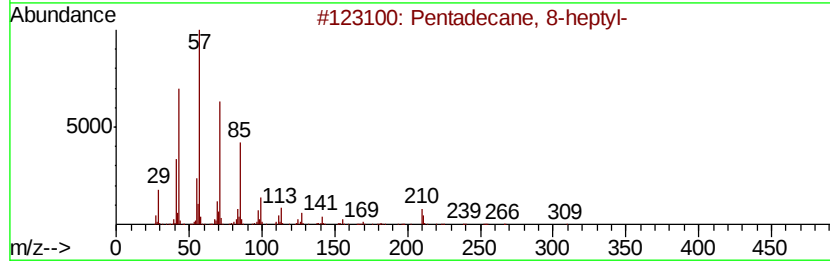
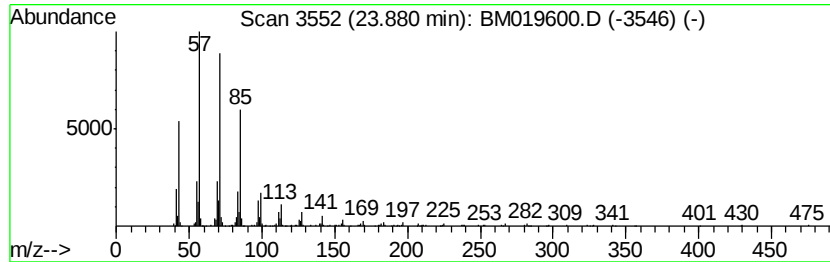
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.88 | 5.48 ng/ul | 903515 | Perylene-d12     | 23.40 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    |   | Docosane, 5-butyl-     | 366 | C26H54  | 055282-16-1 | 90   |
| 3    |    |   | Octadecane, 1-iodo-    | 380 | C18H37I | 000629-93-6 | 86   |
| 4    |    |   | Nonadecane             | 268 | C19H40  | 000629-92-5 | 86   |
| 5    |    |   | Octadecane             | 254 | C18H38  | 000593-45-3 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

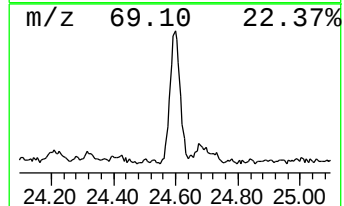
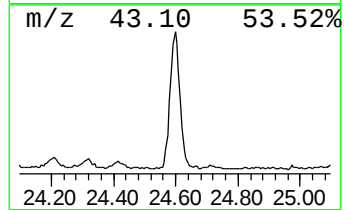
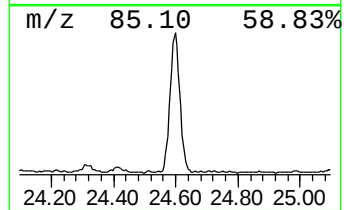
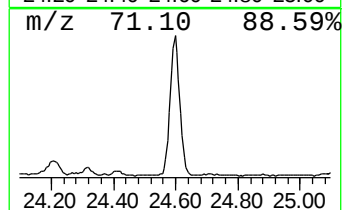
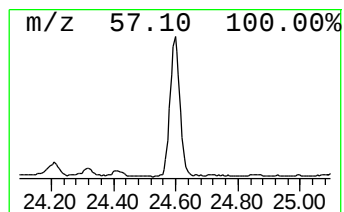
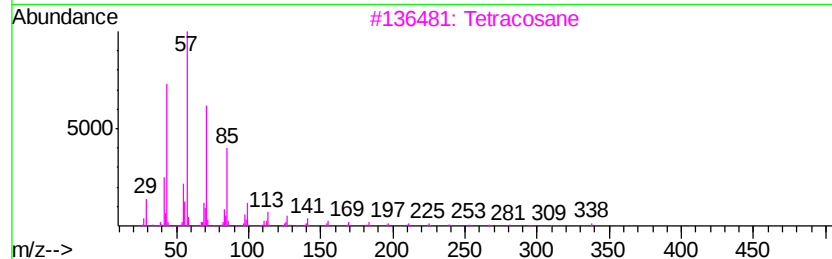
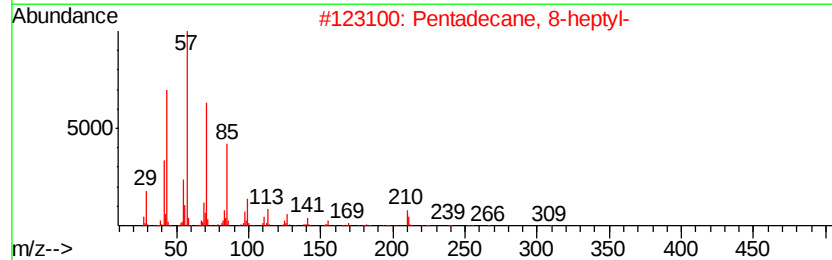
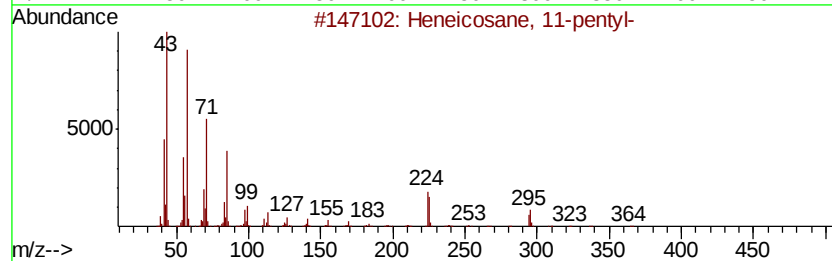
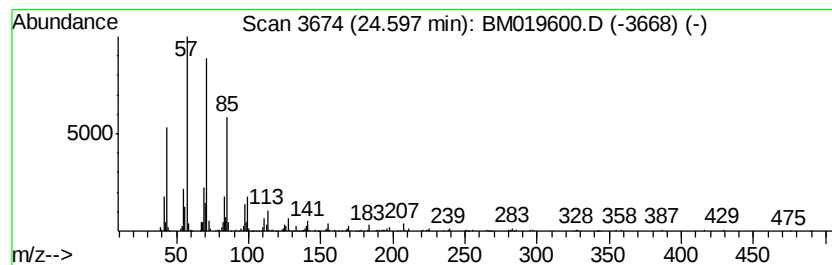
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.60 | 4.08 ng/ul | 671878 | Perylene-d12     | 23.40 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1 | 90   |
| 2    |    |   | Pentadecane, 8-heptyl-  | 310 | C22H46  | 071005-15-7 | 87   |
| 3    |    |   | Tetracosane             | 338 | C24H50  | 000646-31-1 | 86   |
| 4    |    |   | Docosane                | 310 | C22H46  | 000629-97-0 | 86   |
| 5    |    |   | Nonacosane              | 408 | C29H60  | 000630-03-5 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019600.D  
Acq On : 30 Mar 2019 03:30  
Operator : JU/SJ  
Sample : K2084-08  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

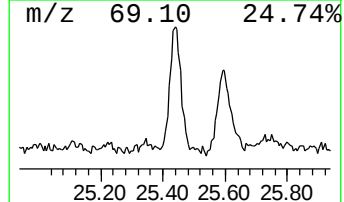
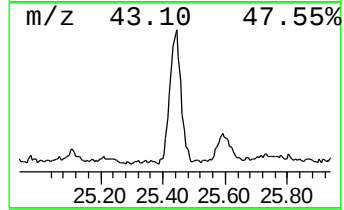
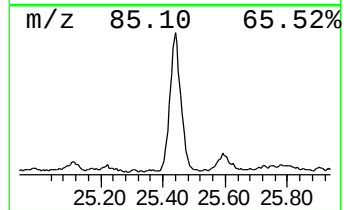
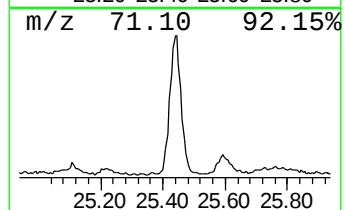
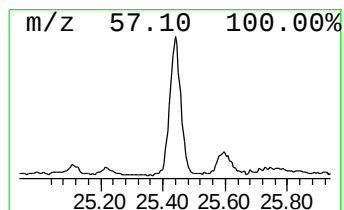
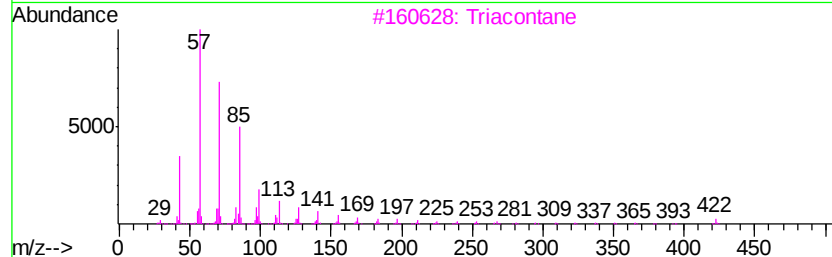
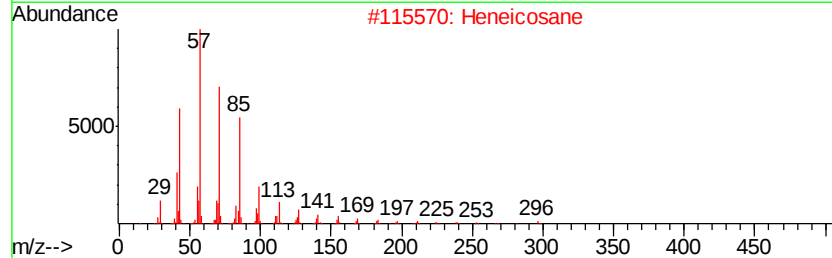
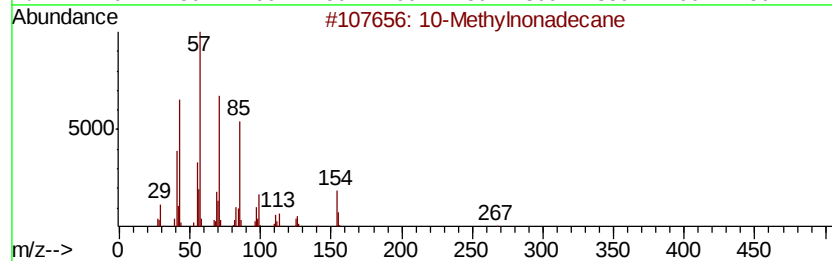
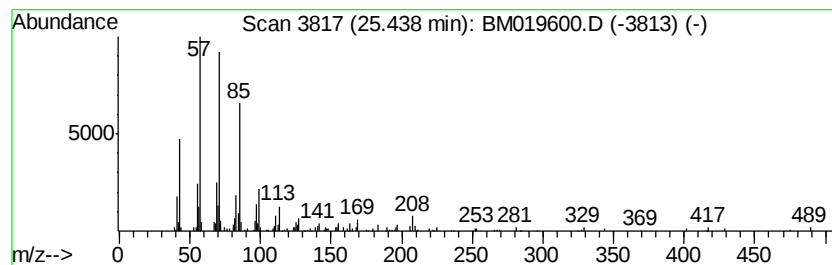
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.44 | 2.32 ng/ul | 383112 | Perylene-d12     | 23.40 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 87   |
| 2    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7 | 87   |
| 3    |    |   | Triacontane         | 422 | C30H62  | 000638-68-6 | 86   |
| 4    |    |   | Heptacosane         | 380 | C27H56  | 000593-49-7 | 86   |
| 5    |    |   | Pentacosane         | 352 | C25H52  | 000629-99-2 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
 Data File : BM019600.D  
 Acq On : 30 Mar 2019 03:30  
 Operator : JU/SJ  
 Sample : K2084-08  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF7X6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.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  | 17.89 | 4.7     | ng/ul | 466947   | 4                     | 17.00 | 1994070 | 20.0 |
| Dodecanoic acid, ... | 19.74 | 4.6     | ng/ul | 649069   | 5                     | 21.20 | 2829110 | 20.0 |
| unknown-01           | 19.77 | 8.8     | ng/ul | 1238770  | 5                     | 21.20 | 2829110 | 20.0 |
| Myristin, 2,3-dia... | 20.72 | 2.2     | ng/ul | 314064   | 5                     | 21.20 | 2829110 | 20.0 |
| Hexadecanoic acid... | 20.75 | 3.8     | ng/ul | 543075   | 5                     | 21.20 | 2829110 | 20.0 |
| (DEL) Alkane: Cyc... | 20.90 | 7.0     | ng/ul | 992882   | 5                     | 21.20 | 2829110 | 20.0 |
| (DEL) Alkane: Str... | 21.33 | 2.4     | ng/ul | 336741   | 5                     | 21.20 | 2829110 | 20.0 |
| (DEL) Alkane: Str... | 21.76 | 3.9     | ng/ul | 555184   | 5                     | 21.20 | 2829110 | 20.0 |
| (DEL) Alkane: Str... | 22.21 | 5.1     | ng/ul | 722173   | 5                     | 21.20 | 2829110 | 20.0 |
| (DEL) Alkane: Str... | 22.70 | 5.3     | ng/ul | 866605   | 6                     | 23.40 | 3297050 | 20.0 |
| (DEL) Alkane: Str... | 23.88 | 5.5     | ng/ul | 903515   | 6                     | 23.40 | 3297050 | 20.0 |
| (DEL) Alkane: Str... | 24.60 | 4.1     | ng/ul | 671878   | 6                     | 23.40 | 3297050 | 20.0 |
| (DEL) Alkane: Str... | 25.44 | 2.3     | ng/ul | 383112   | 6                     | 23.40 | 3297050 | 20.0 |