

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
 Data File : BN005760.D  
 Acq On : 18 May 2019 19:20  
 Operator : JU/SJ  
 Sample : K2690-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5159

## 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-BN051819MA.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         | 6.763       | 636           | 642         | 657          | rVB      | 406494         | 765494        | 7.49%           | 1.080%        |
| 2         | 6.916       | 663           | 668         | 677          | rVB      | 303963         | 507494        | 4.97%           | 0.716%        |
| 3         | 7.046       | 686           | 690         | 695          | rBV2     | 9792           | 17023         | 0.17%           | 0.024%        |
| 4         | 7.110       | 695           | 701         | 712          | rVV      | 439375         | 754688        | 7.38%           | 1.065%        |
| 5         | 7.575       | 773           | 780         | 787          | rBV      | 397605         | 676492        | 6.62%           | 0.954%        |
| 6         | 7.816       | 817           | 821         | 832          | rVB2     | 26338          | 66641         | 0.65%           | 0.094%        |
| 7         | 8.281       | 894           | 900         | 914          | rBV      | 561362         | 1044708       | 10.22%          | 1.474%        |
| 8         | 8.716       | 968           | 974         | 985          | rBV      | 449765         | 783545        | 7.67%           | 1.105%        |
| 9         | 9.434       | 1090          | 1096        | 1107         | rVB      | 375852         | 686421        | 6.72%           | 0.968%        |
| 10        | 9.975       | 1182          | 1188        | 1210         | rBV      | 469300         | 1088379       | 10.65%          | 1.536%        |
| 11        | 10.334      | 1242          | 1249        | 1256         | rBV      | 641226         | 1054956       | 10.32%          | 1.488%        |
| 12        | 10.493      | 1268          | 1276        | 1298         | rBV      | 110677         | 333988        | 3.27%           | 0.471%        |
| 13        | 10.722      | 1310          | 1315        | 1325         | rBV5     | 9322           | 25538         | 0.25%           | 0.036%        |
| 14        | 11.145      | 1379          | 1387        | 1392         | rBV7     | 14011          | 42378         | 0.41%           | 0.060%        |
| 15        | 12.057      | 1535          | 1542        | 1558         | rBV2     | 37997          | 105273        | 1.03%           | 0.149%        |
| 16        | 12.375      | 1588          | 1596        | 1600         | rBV6     | 19547          | 51030         | 0.50%           | 0.072%        |
| 17        | 13.110      | 1716          | 1721        | 1726         | rVB      | 66354          | 97518         | 0.95%           | 0.138%        |
| 18        | 13.187      | 1726          | 1734        | 1743         | rBV4     | 11746          | 27815         | 0.27%           | 0.039%        |
| 19        | 13.628      | 1802          | 1809        | 1814         | rBV      | 1193843        | 1741307       | 17.04%          | 2.457%        |
| 20        | 13.675      | 1814          | 1817        | 1828         | rVB      | 298168         | 432941        | 4.24%           | 0.611%        |
| 21        | 13.898      | 1848          | 1855        | 1868         | rBV      | 1343705        | 2050283       | 20.06%          | 2.893%        |
| 22        | 14.163      | 1896          | 1900        | 1902         | rBV2     | 27656          | 38291         | 0.37%           | 0.054%        |
| 23        | 14.210      | 1902          | 1908        | 1918         | rVV2     | 1067747        | 1628536       | 15.94%          | 2.298%        |
| 24        | 14.463      | 1941          | 1951        | 1968         | rVV2     | 324511         | 812796        | 7.95%           | 1.147%        |
| 25        | 14.610      | 1972          | 1976        | 1982         | rVV3     | 55518          | 111291        | 1.09%           | 0.157%        |
| 26        | 14.663      | 1982          | 1985        | 1991         | rVB5     | 17259          | 32503         | 0.32%           | 0.046%        |
| 27        | 14.828      | 2008          | 2013        | 2024         | rVB5     | 13706          | 30868         | 0.30%           | 0.044%        |
| 28        | 15.063      | 2049          | 2053        | 2060         | rBV      | 44747          | 78377         | 0.77%           | 0.111%        |
| 29        | 15.228      | 2072          | 2081        | 2096         | rBV2     | 5809448        | 10219290      | 100.00%         | 14.418%       |
| 30        | 15.375      | 2100          | 2106        | 2117         | rVV      | 433411         | 823423        | 8.06%           | 1.162%        |
| 31        | 15.457      | 2117          | 2120        | 2132         | rVB8     | 30161          | 84230         | 0.82%           | 0.119%        |
| 32        | 15.669      | 2147          | 2156        | 2158         | rBV      | 128835         | 176743        | 1.73%           | 0.249%        |
| 33        | 15.704      | 2158          | 2162        | 2165         | rVV      | 183476         | 277104        | 2.71%           | 0.391%        |
| 34        | 15.739      | 2165          | 2168        | 2174         | rVB      | 218639         | 293233        | 2.87%           | 0.414%        |

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 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-BN051819MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.875 | 2187 | 2191 | 2200 | rVB7 | 11726   | 22815   | 0.22%  | 0.032% |
| 36 | 15.975 | 2200 | 2208 | 2216 | rBV  | 149775  | 239038  | 2.34%  | 0.337% |
| 37 | 16.063 | 2216 | 2223 | 2227 | rBV  | 1058474 | 1448013 | 14.17% | 2.043% |
| 38 | 16.128 | 2228 | 2234 | 2239 | rVV2 | 807716  | 1642282 | 16.07% | 2.317% |
| 39 | 16.186 | 2239 | 2244 | 2248 | rVV2 | 742109  | 1200936 | 11.75% | 1.694% |
| 40 | 16.228 | 2248 | 2251 | 2256 | rVV  | 347768  | 454213  | 4.44%  | 0.641% |
| 41 | 16.304 | 2256 | 2264 | 2272 | rVV2 | 187035  | 475826  | 4.66%  | 0.671% |
| 42 | 16.380 | 2272 | 2277 | 2284 | rVV2 | 255960  | 472701  | 4.63%  | 0.667% |
| 43 | 16.451 | 2284 | 2289 | 2293 | rVV  | 595328  | 878332  | 8.59%  | 1.239% |
| 44 | 16.492 | 2293 | 2296 | 2298 | rVV2 | 207886  | 300711  | 2.94%  | 0.424% |
| 45 | 16.522 | 2298 | 2301 | 2308 | rVB  | 330274  | 445688  | 4.36%  | 0.629% |
| 46 | 16.586 | 2308 | 2312 | 2317 | rVB6 | 17592   | 27803   | 0.27%  | 0.039% |
| 47 | 16.663 | 2317 | 2325 | 2329 | rBV2 | 34860   | 77689   | 0.76%  | 0.110% |
| 48 | 16.780 | 2335 | 2345 | 2349 | rBV3 | 50653   | 115696  | 1.13%  | 0.163% |
| 49 | 16.828 | 2349 | 2353 | 2357 | rVV3 | 22520   | 35815   | 0.35%  | 0.051% |
| 50 | 16.892 | 2362 | 2364 | 2367 | rVV  | 13867   | 18233   | 0.18%  | 0.026% |
| 51 | 16.975 | 2367 | 2378 | 2384 | rVV  | 1475665 | 2160757 | 21.14% | 3.048% |
| 52 | 17.069 | 2388 | 2394 | 2408 | rVB  | 1844106 | 2780381 | 27.21% | 3.923% |
| 53 | 17.339 | 2430 | 2440 | 2455 | rBV  | 531200  | 967277  | 9.47%  | 1.365% |
| 54 | 17.675 | 2490 | 2497 | 2502 | rBV4 | 29358   | 69515   | 0.68%  | 0.098% |
| 55 | 17.727 | 2502 | 2506 | 2511 | rVV5 | 24186   | 39864   | 0.39%  | 0.056% |
| 56 | 17.792 | 2514 | 2517 | 2523 | rVB  | 21068   | 31794   | 0.31%  | 0.045% |
| 57 | 17.892 | 2528 | 2534 | 2548 | rBV2 | 895782  | 1895344 | 18.55% | 2.674% |
| 58 | 17.998 | 2548 | 2552 | 2556 | rBV  | 443939  | 678807  | 6.64%  | 0.958% |
| 59 | 18.045 | 2556 | 2560 | 2563 | rBV  | 698019  | 1087426 | 10.64% | 1.534% |
| 60 | 18.133 | 2570 | 2575 | 2580 | rVB2 | 509347  | 859612  | 8.41%  | 1.213% |
| 61 | 18.180 | 2580 | 2583 | 2586 | rBV  | 204892  | 251954  | 2.47%  | 0.355% |
| 62 | 18.222 | 2586 | 2590 | 2593 | rBV2 | 260395  | 324103  | 3.17%  | 0.457% |
| 63 | 18.257 | 2593 | 2596 | 2600 | rVB2 | 398531  | 477827  | 4.68%  | 0.674% |
| 64 | 18.298 | 2600 | 2603 | 2607 | rVB2 | 263316  | 346080  | 3.39%  | 0.488% |
| 65 | 18.345 | 2607 | 2611 | 2614 | rBV  | 443721  | 652016  | 6.38%  | 0.920% |
| 66 | 18.422 | 2619 | 2624 | 2630 | rVB2 | 315493  | 579898  | 5.67%  | 0.818% |
| 67 | 18.504 | 2635 | 2638 | 2643 | rVB3 | 44590   | 73683   | 0.72%  | 0.104% |
| 68 | 18.563 | 2644 | 2648 | 2650 | rBV4 | 70735   | 100049  | 0.98%  | 0.141% |
| 69 | 18.598 | 2651 | 2654 | 2658 | rVB3 | 57993   | 96357   | 0.94%  | 0.136% |
| 70 | 18.710 | 2670 | 2673 | 2677 | rBV2 | 18935   | 27812   | 0.27%  | 0.039% |
| 71 | 18.757 | 2677 | 2681 | 2690 | rVV4 | 177262  | 310222  | 3.04%  | 0.438% |

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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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## Integration Parameters: LSCINT.P

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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-BN051819MA.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 18.822 | 2690 | 2692 | 2704 | rVB8 | 43048   | 104153  | 1.02%  | 0.147% |
| 73  | 18.922 | 2705 | 2709 | 2711 | rBV4 | 26881   | 37923   | 0.37%  | 0.054% |
| 74  | 19.039 | 2724 | 2729 | 2731 | rBV2 | 41664   | 72998   | 0.71%  | 0.103% |
| 75  | 19.080 | 2732 | 2736 | 2745 | rVB4 | 111037  | 261316  | 2.56%  | 0.369% |
| 76  | 19.151 | 2745 | 2748 | 2750 | rBV2 | 47492   | 61339   | 0.60%  | 0.087% |
| 77  | 19.186 | 2750 | 2754 | 2764 | rVV2 | 495659  | 847484  | 8.29%  | 1.196% |
| 78  | 19.274 | 2767 | 2769 | 2777 | rVB3 | 73631   | 118665  | 1.16%  | 0.167% |
| 79  | 19.386 | 2782 | 2788 | 2797 | rVB2 | 2412213 | 3444591 | 33.71% | 4.860% |
| 80  | 19.674 | 2833 | 2837 | 2843 | rBV7 | 27022   | 51464   | 0.50%  | 0.073% |
| 81  | 19.780 | 2849 | 2855 | 2856 | rBV4 | 102647  | 149945  | 1.47%  | 0.212% |
| 82  | 19.839 | 2862 | 2865 | 2869 | rVB2 | 53450   | 65032   | 0.64%  | 0.092% |
| 83  | 19.880 | 2869 | 2872 | 2877 | rVB4 | 55830   | 77211   | 0.76%  | 0.109% |
| 84  | 19.927 | 2877 | 2880 | 2882 | rBV  | 57111   | 75624   | 0.74%  | 0.107% |
| 85  | 20.045 | 2896 | 2900 | 2907 | rVB  | 83509   | 140246  | 1.37%  | 0.198% |
| 86  | 20.339 | 2946 | 2950 | 2954 | rVB  | 107947  | 136435  | 1.34%  | 0.192% |
| 87  | 20.457 | 2966 | 2970 | 2974 | rVB2 | 59341   | 75757   | 0.74%  | 0.107% |
| 88  | 20.927 | 3045 | 3050 | 3060 | rBV  | 440044  | 708135  | 6.93%  | 0.999% |
| 89  | 21.133 | 3081 | 3085 | 3089 | rBV5 | 24194   | 39431   | 0.39%  | 0.056% |
| 90  | 21.210 | 3092 | 3098 | 3107 | rBV2 | 1795743 | 2624370 | 25.68% | 3.703% |
| 91  | 21.368 | 3121 | 3125 | 3130 | rBV  | 226508  | 258499  | 2.53%  | 0.365% |
| 92  | 21.804 | 3195 | 3199 | 3203 | rBV  | 479783  | 541590  | 5.30%  | 0.764% |
| 93  | 22.257 | 3271 | 3276 | 3283 | rVB  | 765888  | 965536  | 9.45%  | 1.362% |
| 94  | 22.380 | 3293 | 3297 | 3304 | rBV  | 91063   | 126525  | 1.24%  | 0.179% |
| 95  | 22.751 | 3355 | 3360 | 3369 | rVB  | 868246  | 1177525 | 11.52% | 1.661% |
| 96  | 23.280 | 3442 | 3450 | 3461 | rBV3 | 2038306 | 4906585 | 48.01% | 6.922% |
| 97  | 23.415 | 3466 | 3473 | 3488 | rVB  | 1374217 | 2732226 | 26.74% | 3.855% |
| 98  | 23.927 | 3554 | 3560 | 3567 | rVB  | 673221  | 1186293 | 11.61% | 1.674% |
| 99  | 24.645 | 3675 | 3682 | 3690 | rVB  | 380584  | 834065  | 8.16%  | 1.177% |
| 100 | 25.486 | 3819 | 3825 | 3834 | rVB  | 185646  | 432023  | 4.23%  | 0.610% |

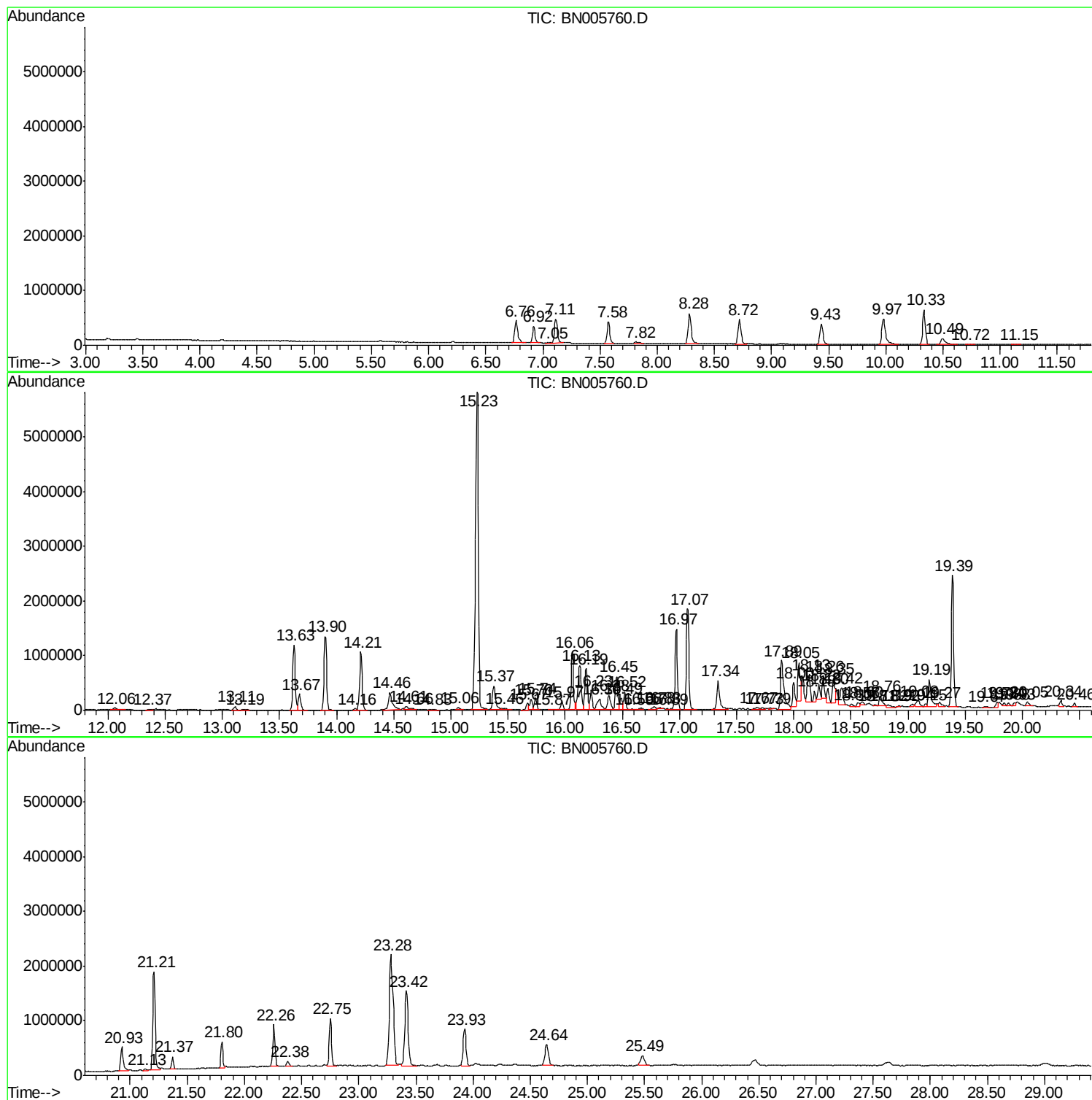
Sum of corrected areas: 70880152

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

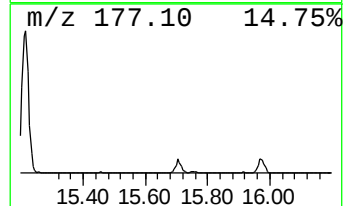
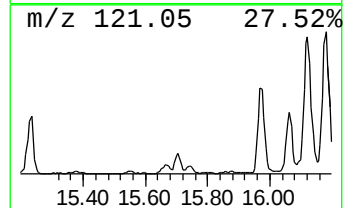
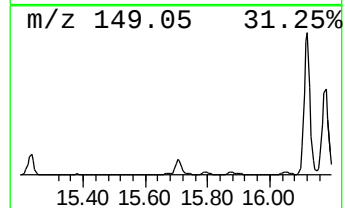
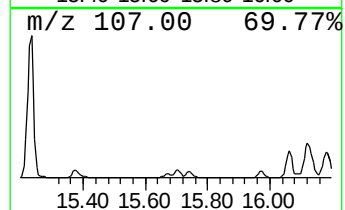
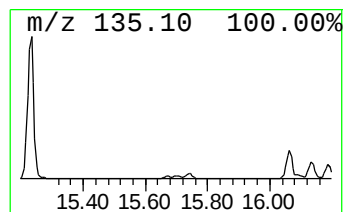
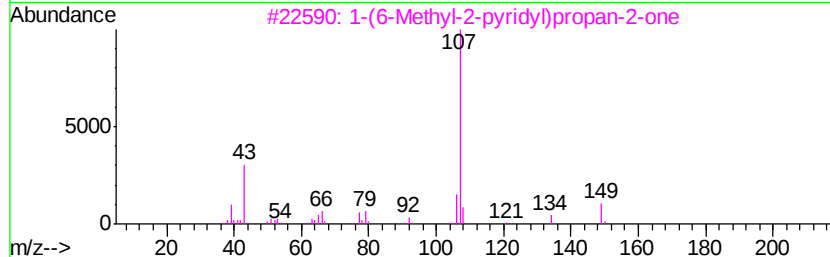
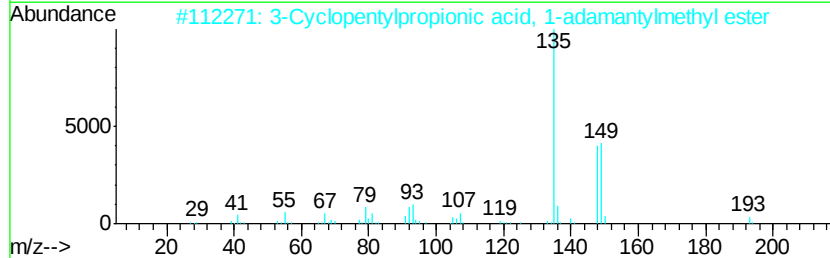
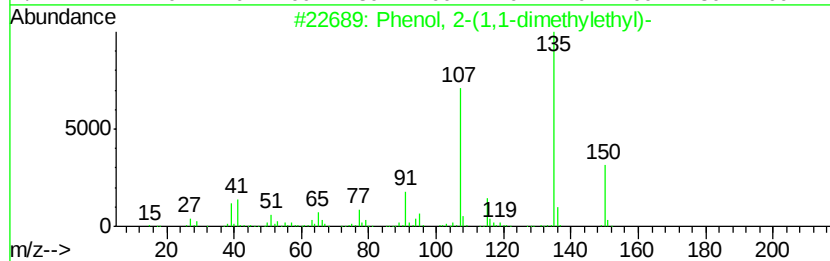
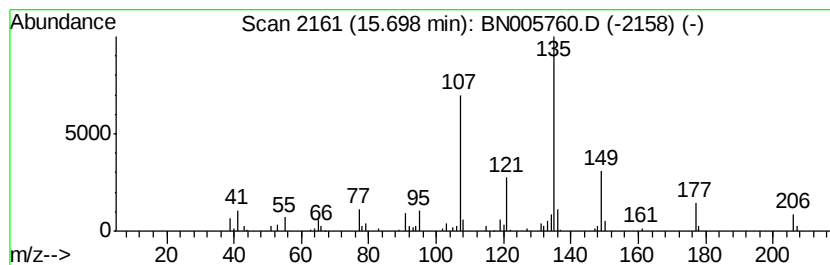
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Phenol, 2-(1,1-dimethylethyl)- Concentration Rank 30

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.70 | 2.56 ng/ul | 277104 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phenol, 2-(1,1-dimethylethyl)-      | 150 | C10H14O  | 000088-18-6  | 50   |
| 2    |    | 3-Cyclopentylpropionic acid, 1-a... | 290 | C19H30O2 | 1000292-26-9 | 43   |
| 3    |    | 1-(6-Methyl-2-pyridyl)propan-2-one  | 149 | C9H11NO  | 065702-08-1  | 38   |
| 4    |    | Acetamide, N-(3-methylphenyl)-      | 149 | C9H11NO  | 000537-92-8  | 38   |
| 5    |    | Phenol, 4-(1,1-dimethylpropyl)-     | 164 | C11H16O  | 000080-46-6  | 35   |



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Quant Title : SVOA CALIBRATION

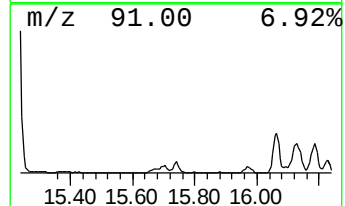
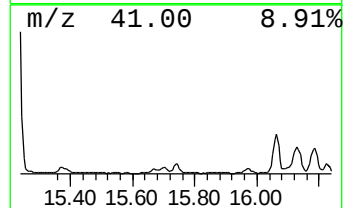
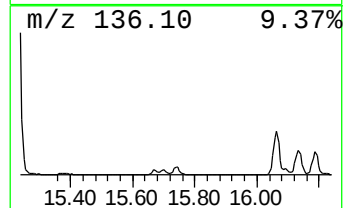
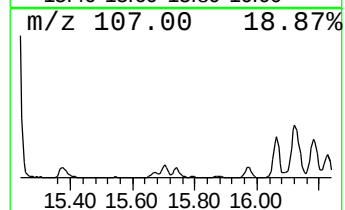
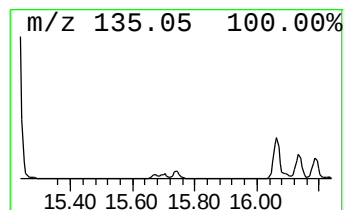
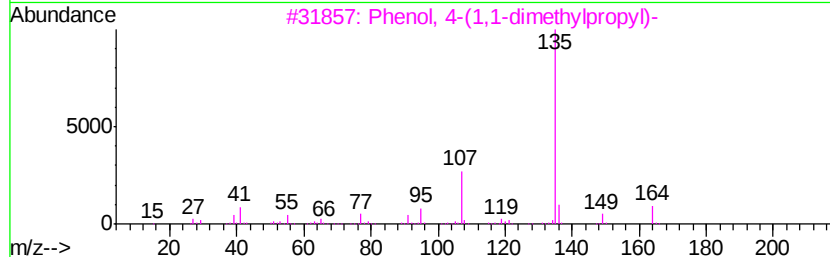
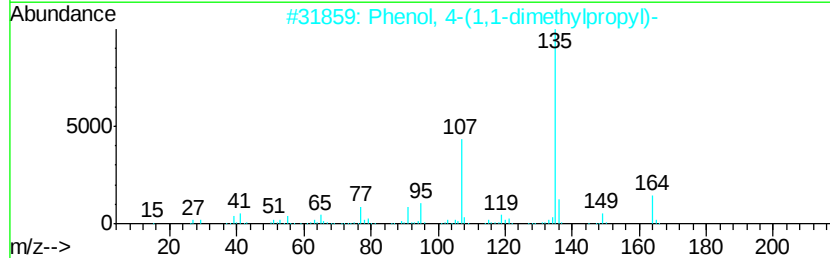
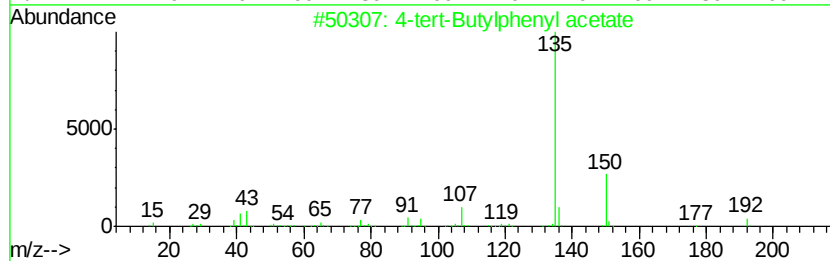
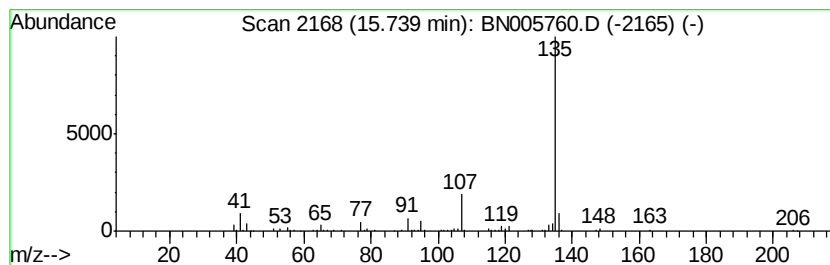
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 4-tert-Butylphenyl acetate Concentration Rank 29

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.74 | 2.71 ng/ul | 293233 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4-tert-Butylphenyl acetate          | 192 | C12H16O2 | 003056-64-2 | 78   |
| 2    |    | Phenol, 4-(1,1-dimethylpropyl)-     | 164 | C11H16O  | 000080-46-6 | 78   |
| 3    |    | Phenol, 4-(1,1-dimethylpropyl)-     | 164 | C11H16O  | 000080-46-6 | 78   |
| 4    |    | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O  | 000140-66-9 | 78   |
| 5    |    | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O  | 000140-66-9 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

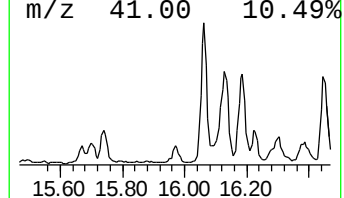
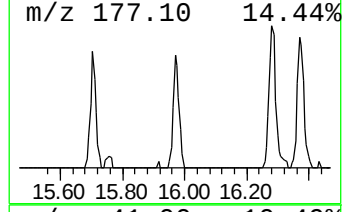
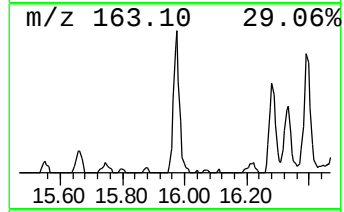
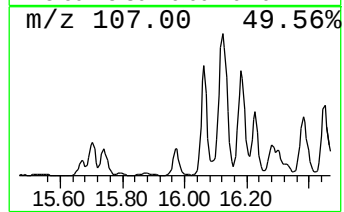
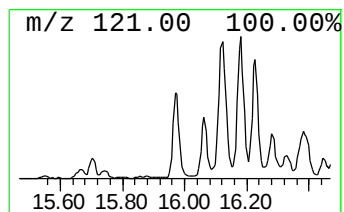
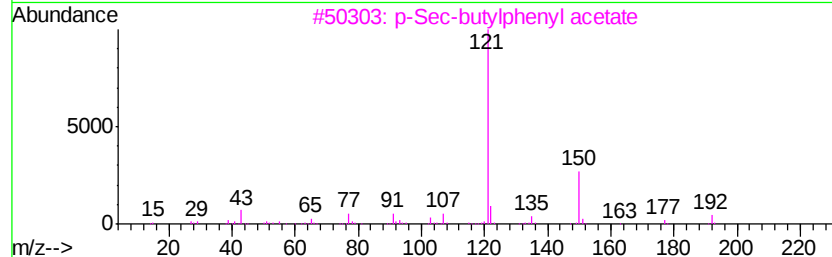
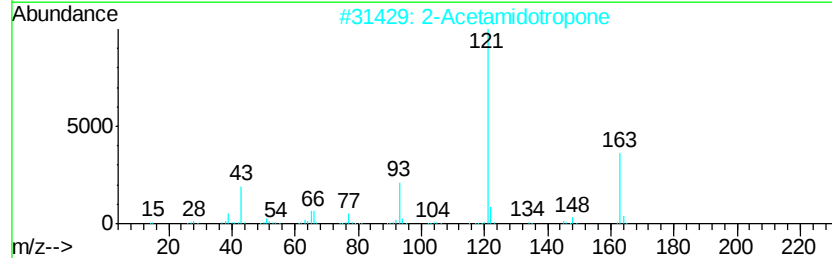
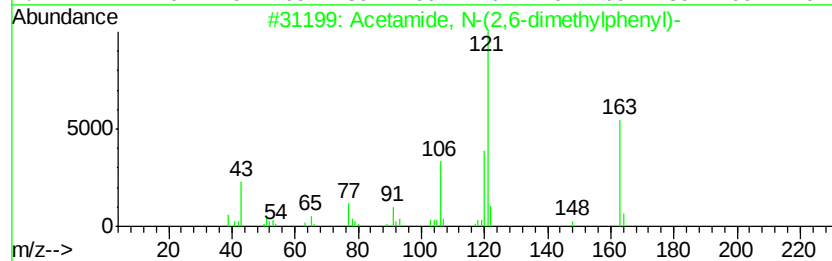
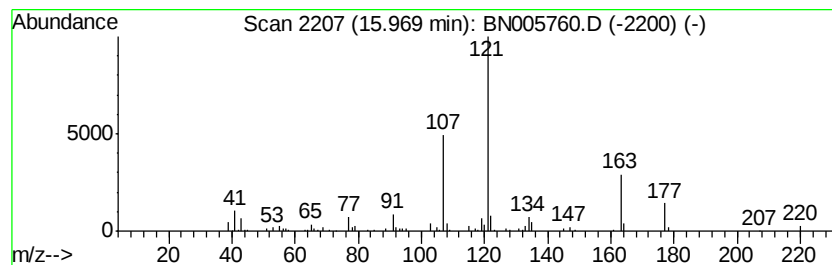
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown-01 Concentration Rank 33

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.97 | 2.21 ng/ul | 239038 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Acetamide, N-(2,6-dimethylphenyl)- | 163 | C10H13NO  | 002198-53-0 | 49   |
| 2    |    | 2-Acetamidotropone                 | 163 | C9H9NO2   | 006422-12-4 | 47   |
| 3    |    | p-Sec-butylphenyl acetate          | 192 | C12H16O2  | 003245-24-7 | 43   |
| 4    |    | N-Allyl-p-hydroxybenzamide         | 177 | C10H11NO2 | 090921-72-5 | 43   |
| 5    |    | 2-Propanone, 1-(4-methoxyphenyl)-  | 164 | C10H12O2  | 000122-84-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

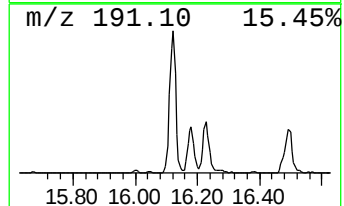
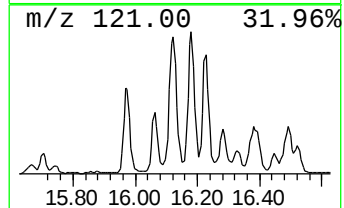
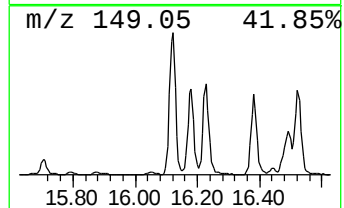
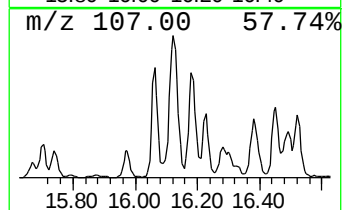
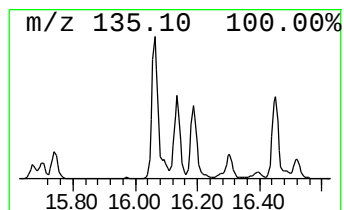
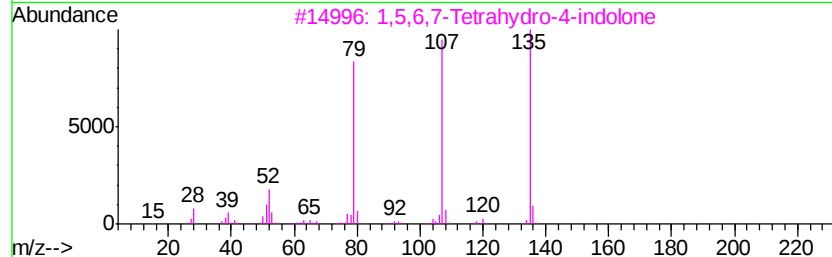
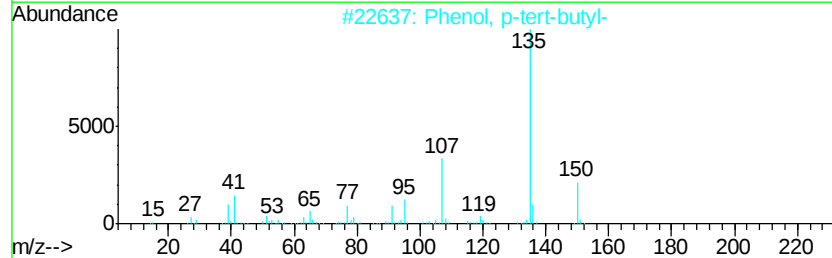
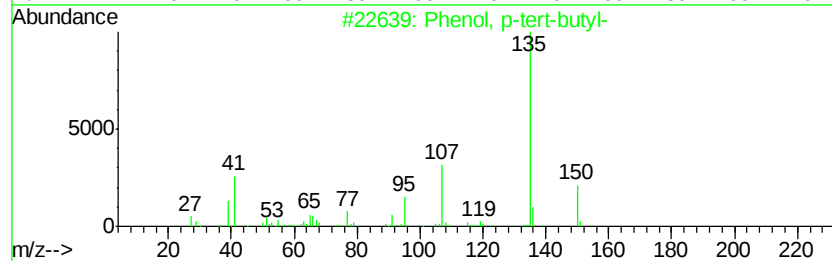
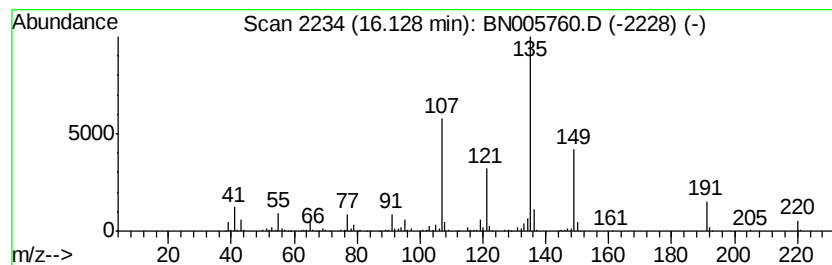
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Phenol, p-tert-butyl- Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 16.13 | 15.20 ng/ul | 1642280 | Phenanthrene-d10 | 16.97 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|---------|---|-------------------------------------|-----|--------------|-------------|------|
| 1       |   | Phenol, p-tert-butyl-               | 150 | C10H14O      | 000098-54-4 | 52   |
| 2       |   | Phenol, p-tert-butyl-               | 150 | C10H14O      | 000098-54-4 | 52   |
| 3       |   | 1,5,6,7-Tetrahydro-4-indolone       | 135 | C8H9NO       | 013754-86-4 | 50   |
| 4       |   | 4,6-Bis(4-ethoxybenzylthio)-5-ni... | 457 | C22H23N3O4S2 | 325957-76-4 | 50   |
| 5       |   | Phenol, 4-(1,1-dimethylpropyl)-     | 164 | C11H16O      | 000080-46-6 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

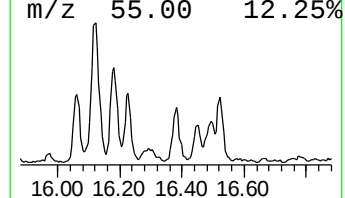
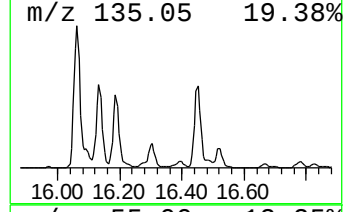
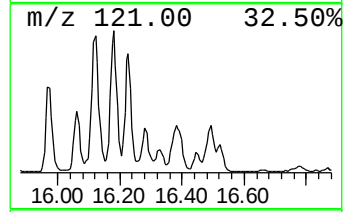
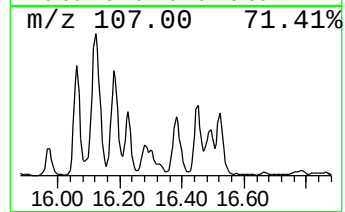
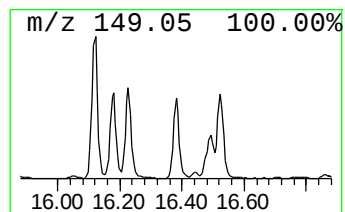
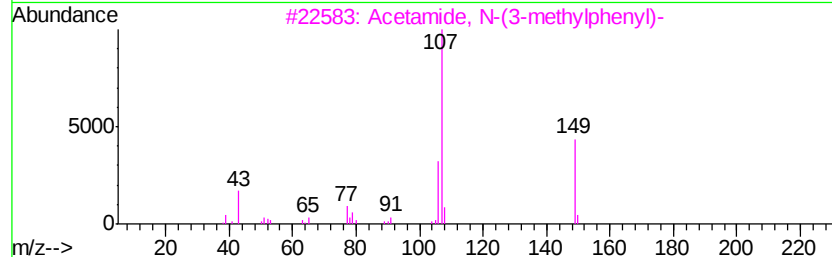
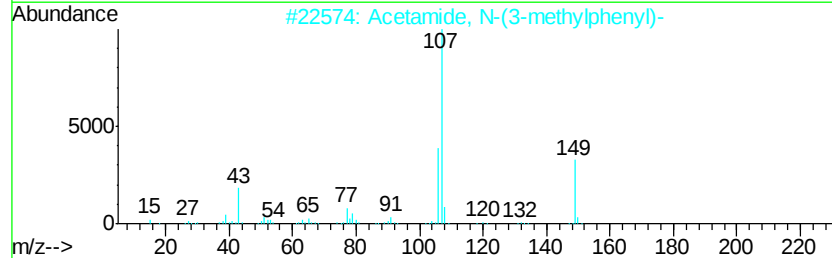
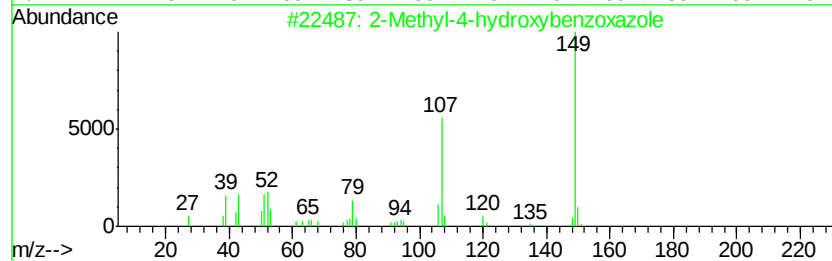
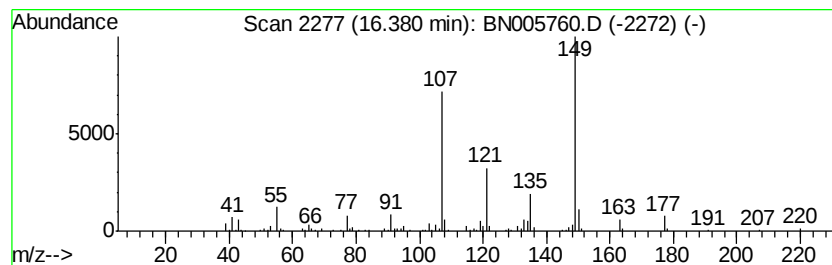
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 2-Methyl-4-hydroxybenzoxazole Concentration Rank 20

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.38 | 4.38 ng/ul | 472701 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 2-Methyl-4-hydroxybenzoxazole       | 149 | C8H7NO2     | 051110-60-2  | 59   |
| 2    |    |   | Acetamide, N-(3-methylphenyl)-      | 149 | C9H11NO     | 000537-92-8  | 58   |
| 3    |    |   | Acetamide, N-(3-methylphenyl)-      | 149 | C9H11NO     | 000537-92-8  | 53   |
| 4    |    |   | Phenol, 4-(1,1-dimethylethyl)-2-... | 164 | C11H16O     | 000098-27-1  | 49   |
| 5    |    |   | Benzo[1,3]dioxole-5-carboxylic a... | 362 | C16H14N2O6S | 1000296-89-7 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

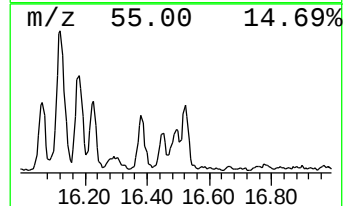
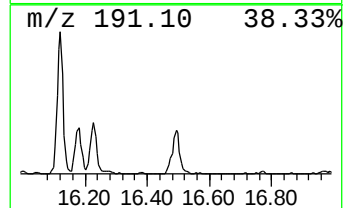
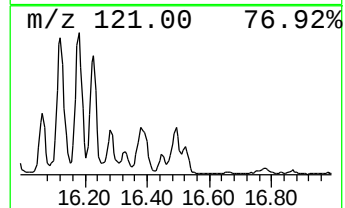
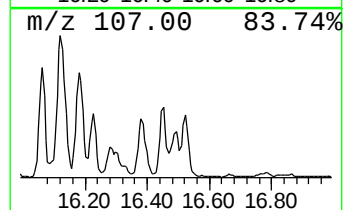
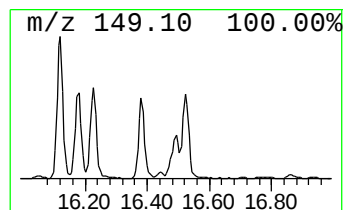
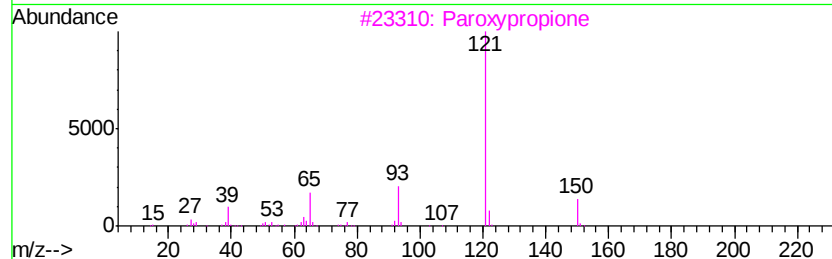
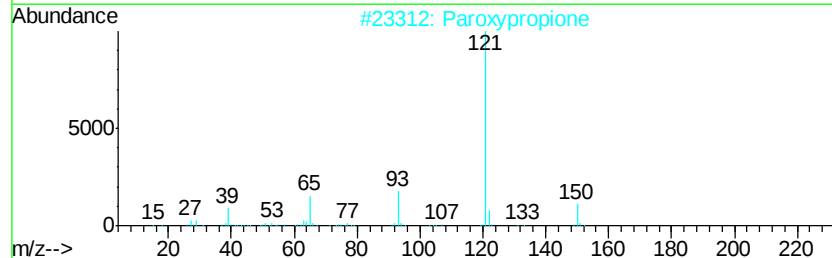
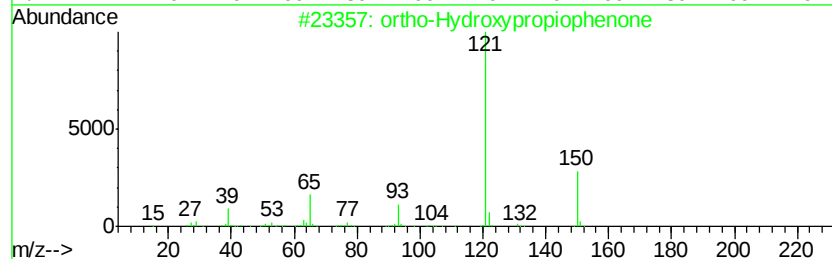
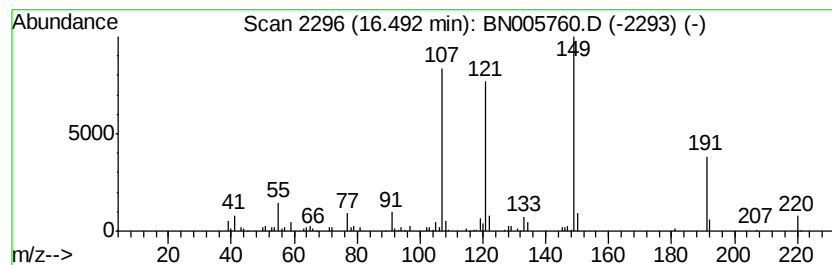
Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 11 unknown-02 Concentration Rank 28

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 16.49   | 2.78 ng/ul | 300711                              | Phenanthrene-d10 | 16.97          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | ortho-Hydroxypropiofenone           | 150 C9H10O2      | 000610-99-1 18 |
| 2       |            | Paroxypropione                      | 150 C9H10O2      | 000070-70-2 18 |
| 3       |            | Paroxypropione                      | 150 C9H10O2      | 000070-70-2 18 |
| 4       |            | 4-Methyl-2-tert-octylphenol         | 220 C15H24O      | 004979-46-8 18 |
| 5       |            | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 C15H24O      | 002219-84-3 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

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Quant Title : SVOA CALIBRATION

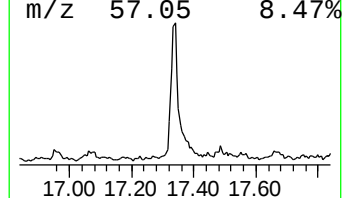
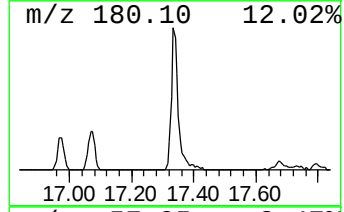
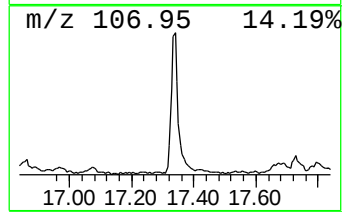
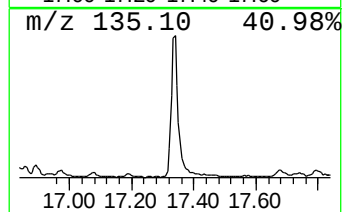
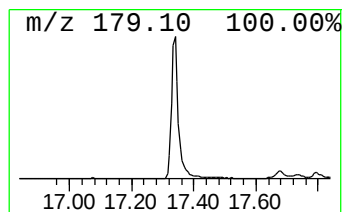
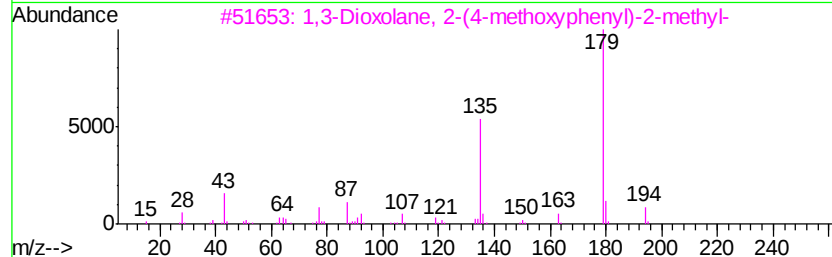
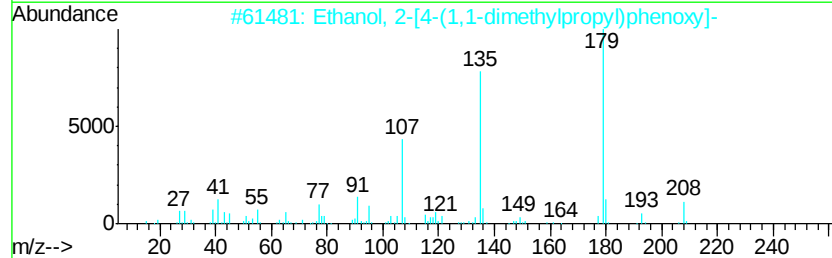
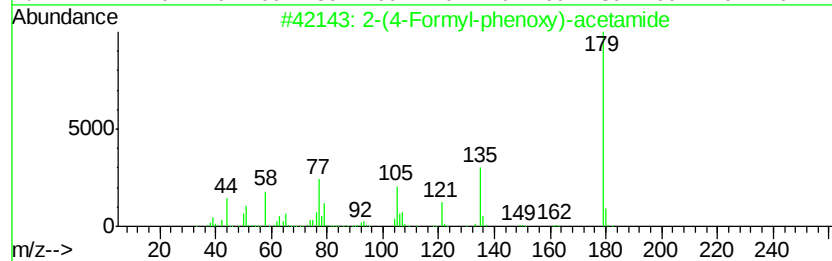
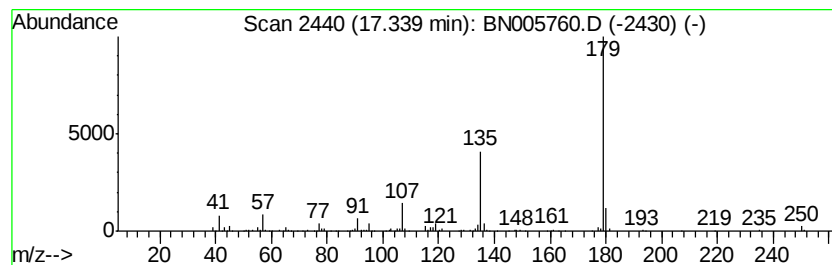
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 2-(4-Formyl-phenoxy)-acetamide Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.34 | 8.95 ng/ul | 967277 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                                         | MW  | MolForm   | CAS#        | Qual |
|------|----|------------------------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 2-(4-Formyl-phenoxy)-acetamide                       | 179 | C9H9NO3   | 135857-20-4 | 72   |
| 2    |    | Ethanol, 2-[4-(1,1-dimethylpropyl)phenoxy]-2-methyl- | 208 | C13H20O2  | 006382-07-6 | 64   |
| 3    |    | 1,3-Dioxolane, 2-(4-methoxyphenyl)-2-methyl-         | 194 | C11H14O3  | 036881-00-2 | 56   |
| 4    |    | Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy]-2-methyl-  | 194 | C12H18O2  | 000713-46-2 | 50   |
| 5    |    | Acetic acid, [2-[(2-propenylamino)ethyl]oxy]phenyl-  | 235 | C12H13NO4 | 000119-45-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

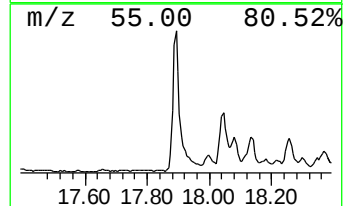
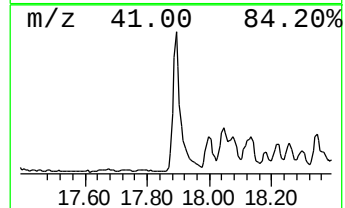
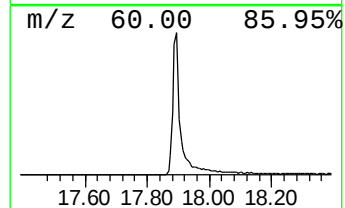
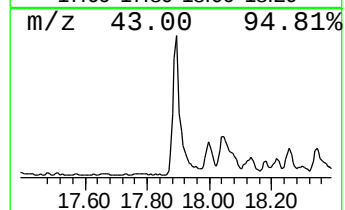
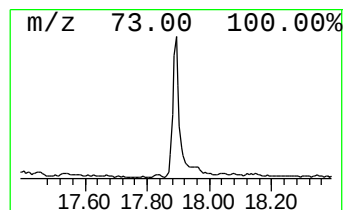
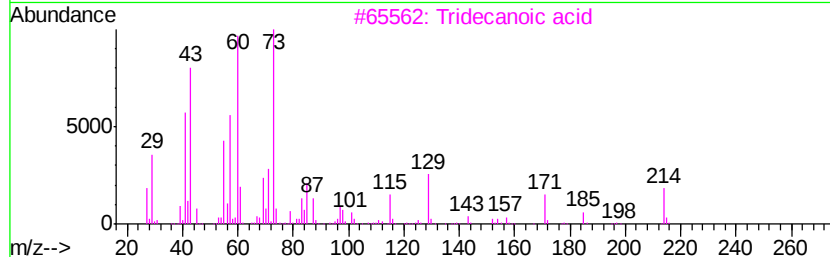
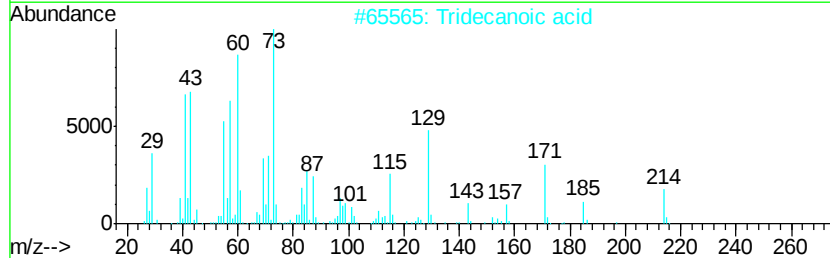
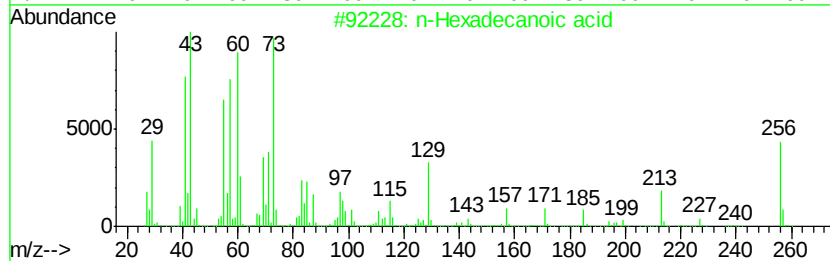
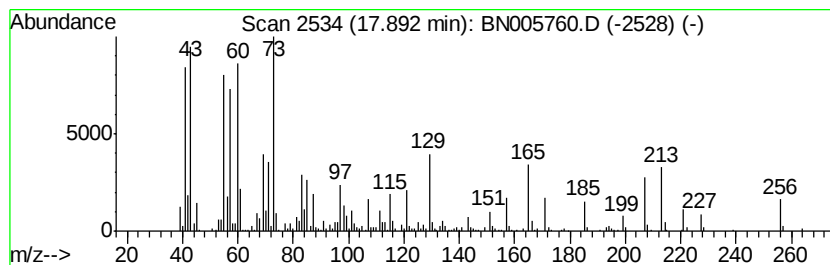
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 17.89 | 17.54 ng/ul | 1895340 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

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Quant Title : SVOA CALIBRATION

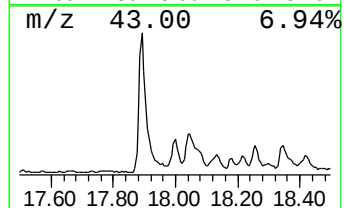
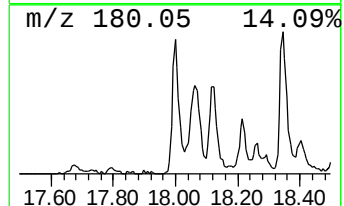
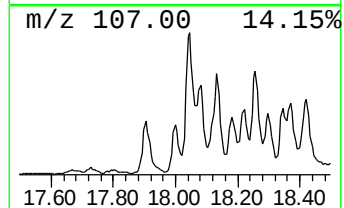
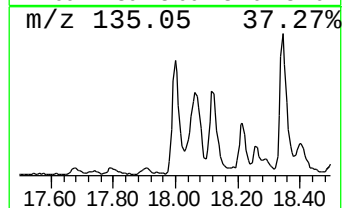
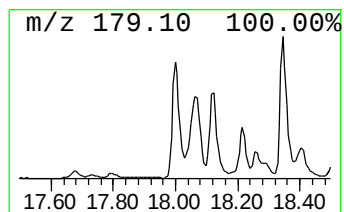
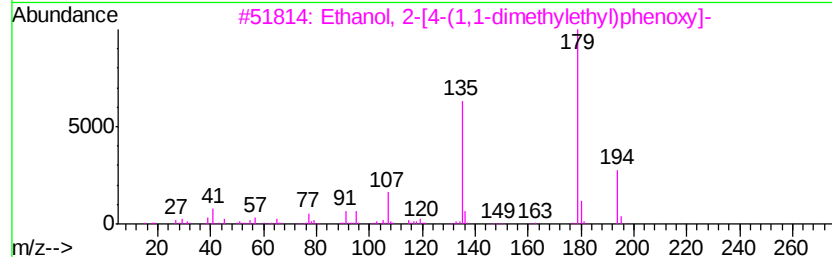
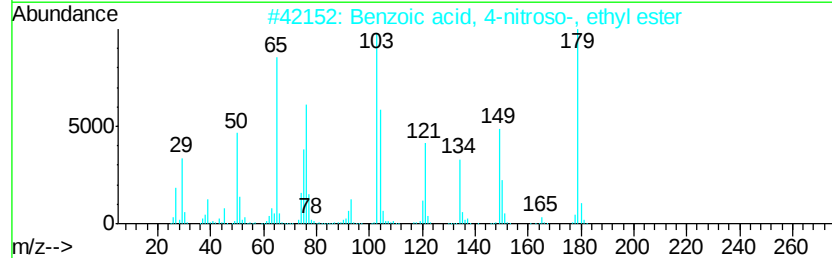
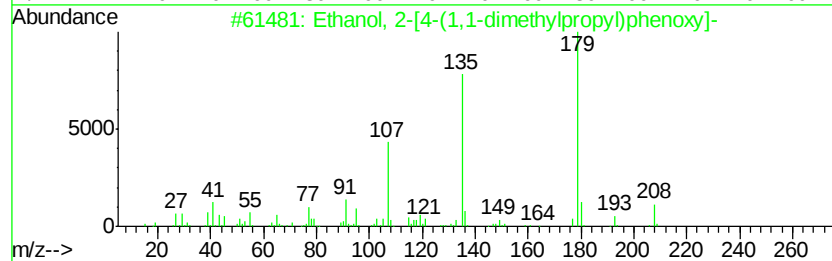
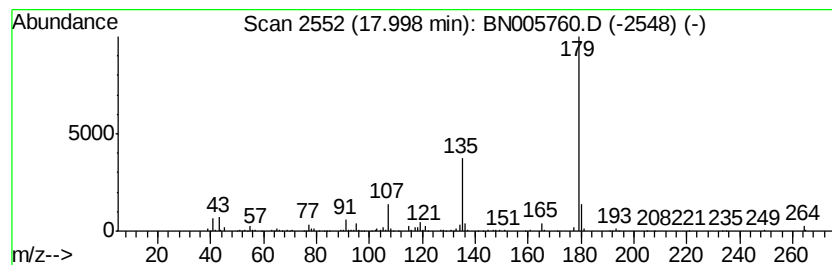
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.00 | 6.28 ng/ul | 678807 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                                | MW  | MolForm  | CAS#         | Qual |
|------|----|---------------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Ethanol, 2-[4-(1,1-dimethylpropyl)phenoxy]- | 208 | C13H20O2 | 006382-07-6  | 64   |
| 2    |    | Benzoic acid, 4-nitroso-, ethyl ...         | 179 | C9H9NO3  | 007476-79-1  | 47   |
| 3    |    | Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy]-  | 194 | C12H18O2 | 000713-46-2  | 47   |
| 4    |    | 2-(4-Formyl-phenoxy)-acetamide              | 179 | C9H9NO3  | 135857-20-4  | 39   |
| 5    |    | [2-(4-Methoxy-phenyl)-[1,3]dioxo...         | 238 | C12H14O5 | 1000193-22-2 | 36   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

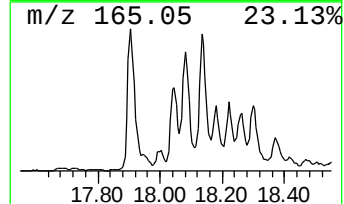
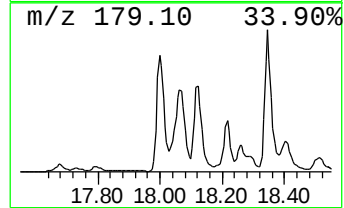
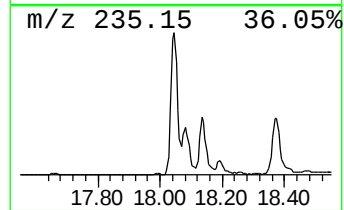
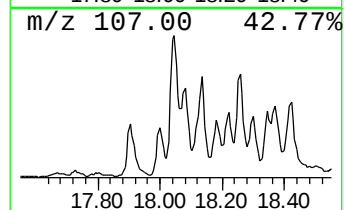
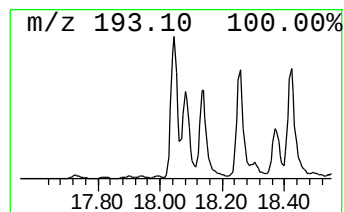
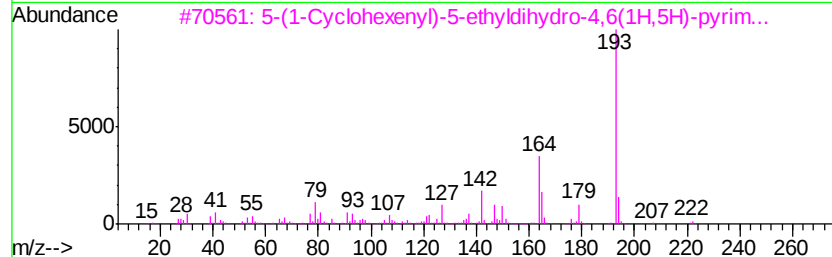
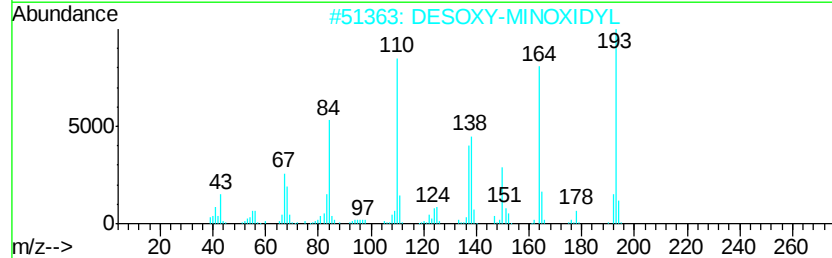
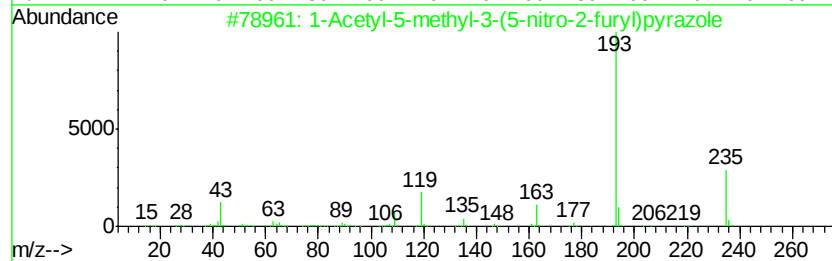
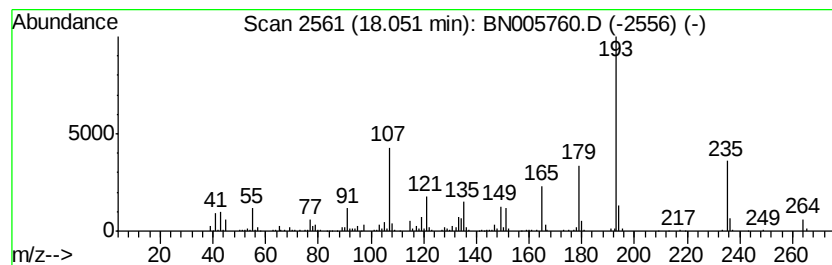
Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 unknown-03 Concentration Rank 5

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.            |
|---------|-------------|-------------------------------------|------------------|-----------------|
| 18.05   | 10.07 ng/ul | 1087430                             | Phenanthrene-d10 | 16.97           |
| Hit# of | 5           | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |             | 1-Acetyl-5-methyl-3-(5-nitro-2-f... | 235 C10H9N3O4    | 016239-91-1 49  |
| 2       |             | DESOXY-MINOXIDYL                    | 193 C9H15N5      | 1000246-13-2 41 |
| 3       |             | 5-(1-Cyclohexenyl)-5-ethvldihvdr... | 222 C12H18N2O2   | 091908-20-2 38  |
| 4       |             | 1H-Indole, 2-phenyl-                | 193 C14H11N      | 000948-65-2 38  |
| 5       |             | Valerophenone, 2'-(trimethylsilo... | 250 C14H22O2Si   | 033342-91-5 38  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

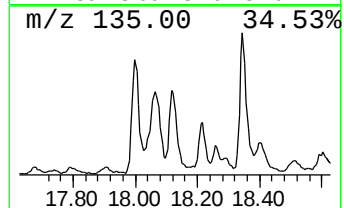
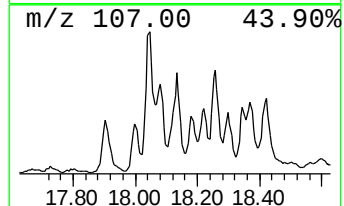
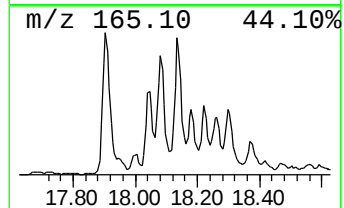
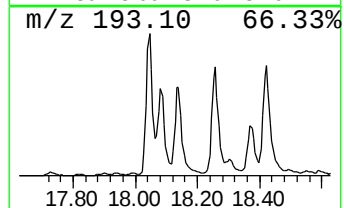
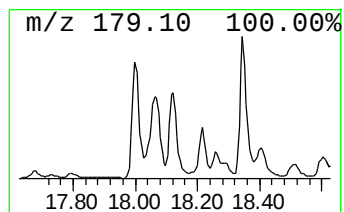
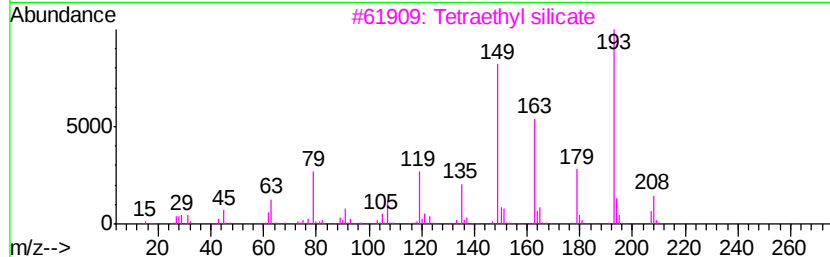
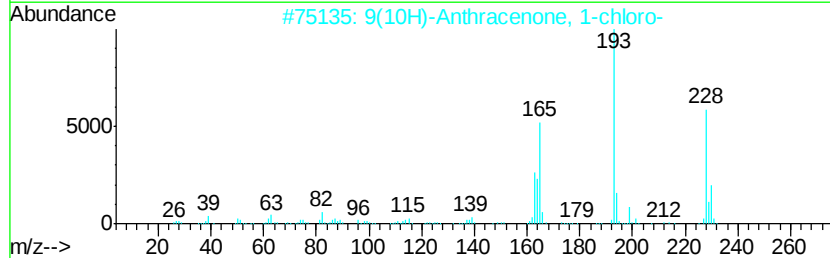
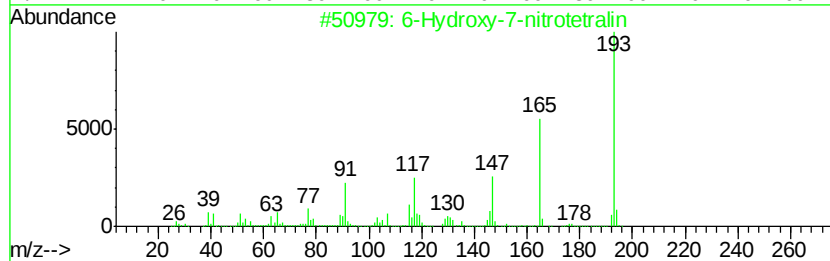
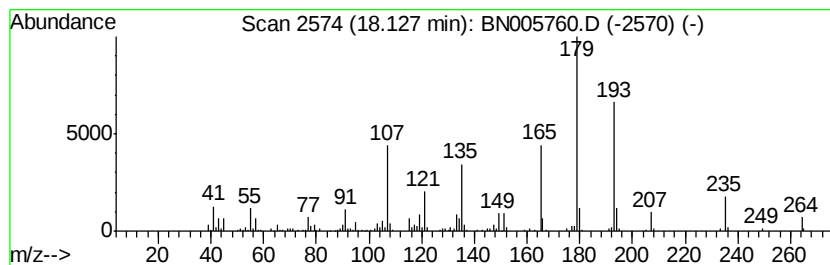
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 unknown-04 Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.13 | 7.96 ng/ul | 859612 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 6-Hydroxy-7-nitrotetralin           | 193 | C10H11NO3  | 006240-79-5 | 43   |
| 2    |    | 9(10H)-Anthracenone, 1-chloro-      | 228 | C14H9ClO   | 004887-98-3 | 38   |
| 3    |    | Tetraethyl silicate                 | 208 | C8H20O4Si  | 000078-10-4 | 37   |
| 4    |    | 2-Anthracenamine                    | 193 | C14H11N    | 000613-13-8 | 35   |
| 5    |    | Quinolin-2(1H)-one, 3-butyl-6-fl... | 235 | C13H14FN02 | 279691-75-7 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

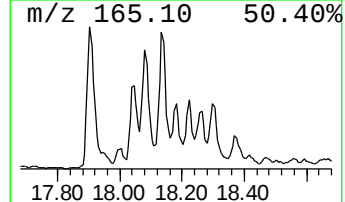
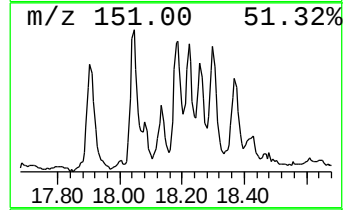
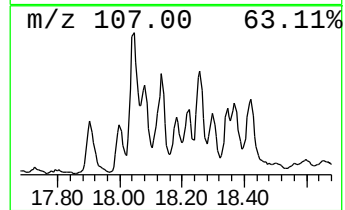
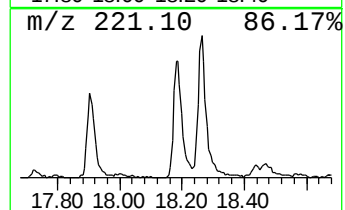
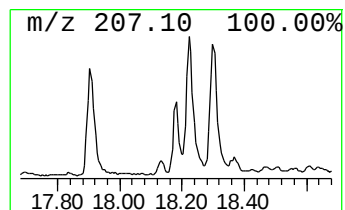
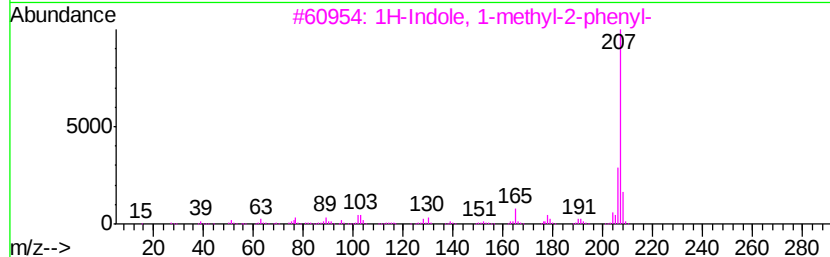
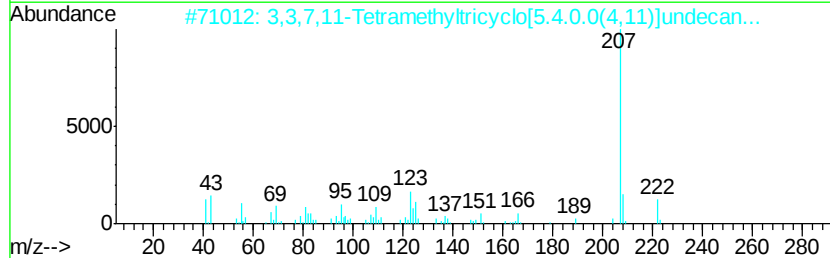
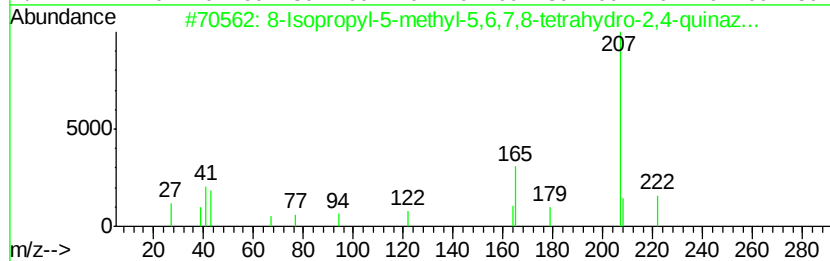
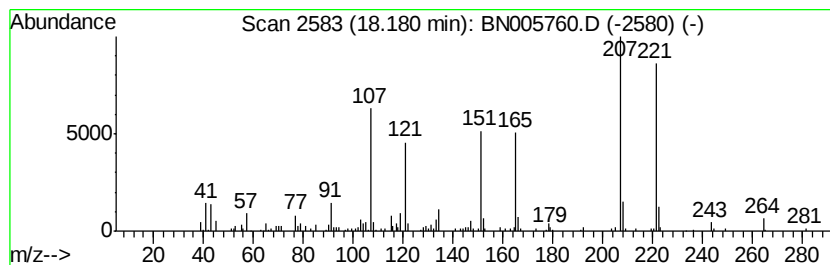
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown-05 Concentration Rank 32

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.18 | 2.33 ng/ul | 251954 | Phenanthrene-d10 | 16.97 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 8-Isopropyl-5-methyl-5,6,7,8-tet... | 222 | C12H18N2O2   | 063498-93-1 | 27      |      |      |
| 2    | 3,3,7,11-Tetramethyltricyclo[5.4... | 222 | C15H26O      | 117591-80-7 | 22      |      |      |
| 3    | 1H-Indole, 1-methyl-2-phenyl-       | 207 | C15H13N      | 003558-24-5 | 18      |      |      |
| 4    | 1,3-Benzenedicarboxylic acid, 5-... | 222 | C12H14O4     | 002359-09-3 | 18      |      |      |
| 5    | 1H-1,2,3-Triazole, 4,5-diphenyl-    | 221 | C14H11N3     | 005533-73-3 | 18      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

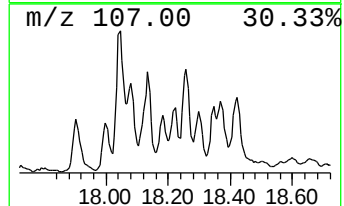
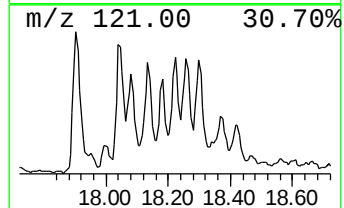
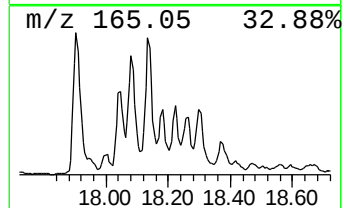
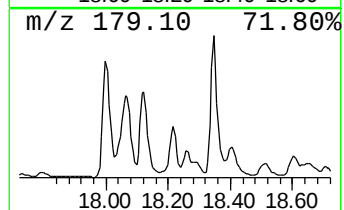
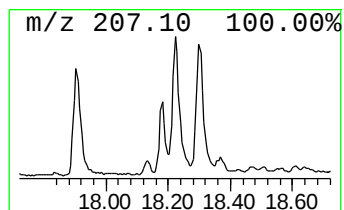
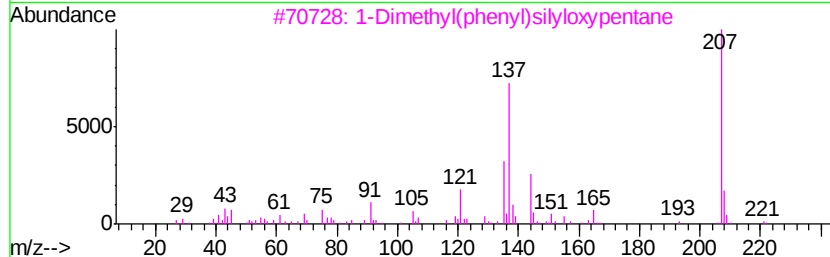
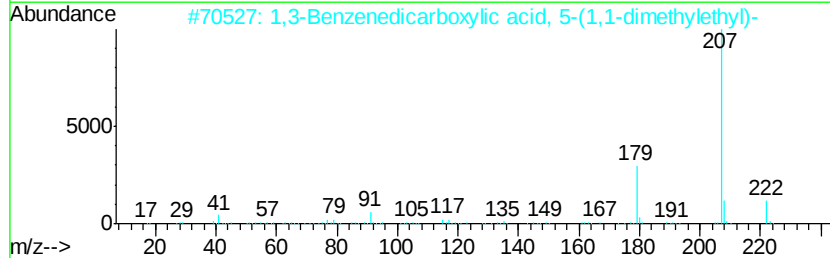
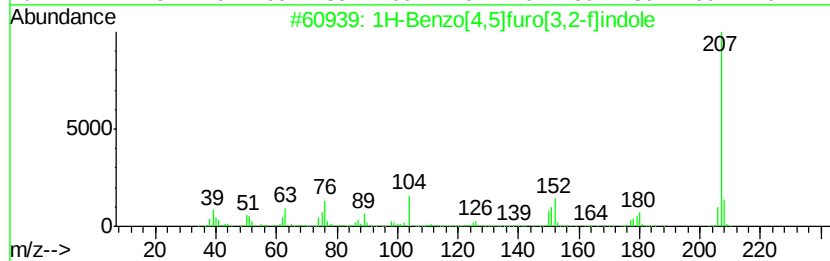
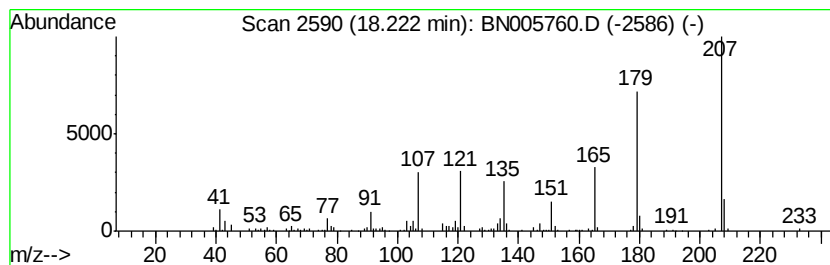
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 unknown-06 Concentration Rank 26

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.22 | 3.00 ng/ul | 324103 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1H-Benzo[4,5]furo[3,2-f]indole       | 207 | C14H9NO    | 000242-97-7  | 43   |
| 2    |    |   | 1,3-Benzenedicarboxylic acid, 5-...  | 222 | C12H14O4   | 002359-09-3  | 40   |
| 3    |    |   | 1-Dimethyl(phenyl)silyloxypentane    | 222 | C13H22OSi  | 1000280-41-7 | 37   |
| 4    |    |   | Acetamide, N-[4-(trimethylsilyl)...] | 207 | C11H17NOSi | 017983-71-0  | 35   |
| 5    |    |   | Ethanol, 2-[4-(1,1-dimethylpropy...] | 208 | C13H20O2   | 006382-07-6  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

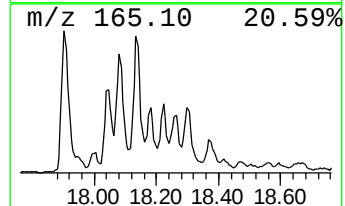
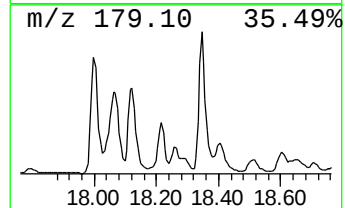
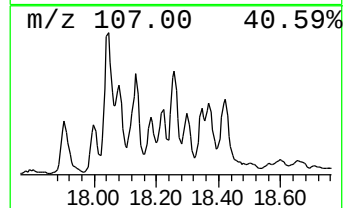
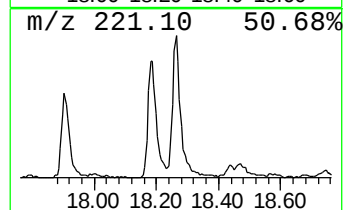
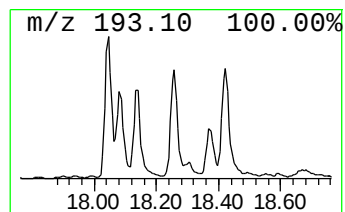
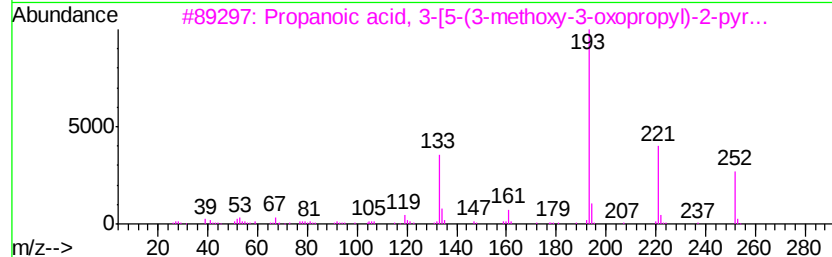
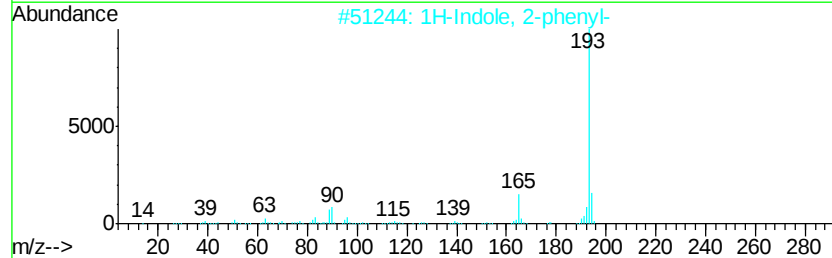
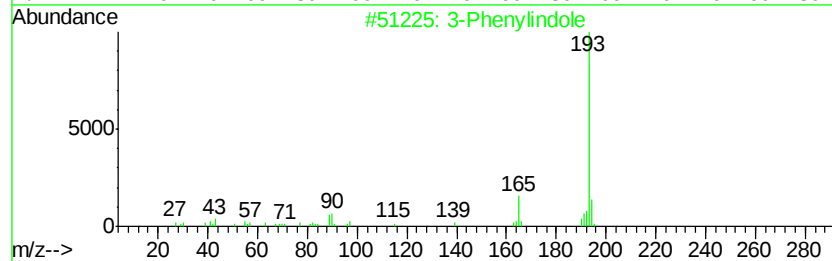
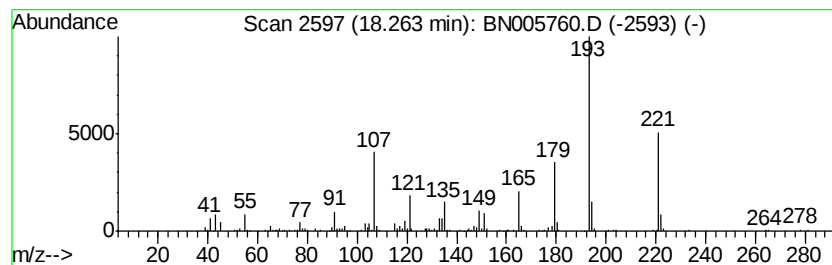
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown-07 Concentration Rank 18

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.26 | 4.42 ng/ul | 477827 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 3-Phenylindole                       | 193 | C14H11N    | 001504-16-1 | 38   |
| 2    |    |   | 1H-Indole, 2-phenyl-                 | 193 | C14H11N    | 000948-65-2 | 38   |
| 3    |    |   | Propanoic acid, 3-[5-(3-methoxyv-... | 252 | C12H16N2O4 | 077479-01-7 | 38   |
| 4    |    |   | 2-Phenylindolizine                   | 193 | C14H11N    | 025379-20-8 | 38   |
| 5    |    |   | Methyl 5-acetyl-2-methoxybenzoate    | 208 | C11H12O4   | 039971-36-3 | 37   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

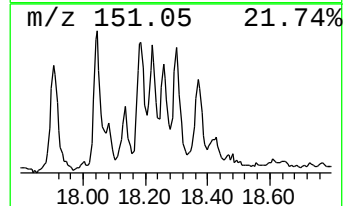
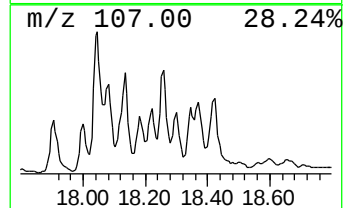
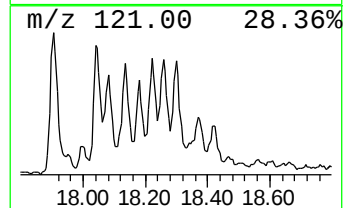
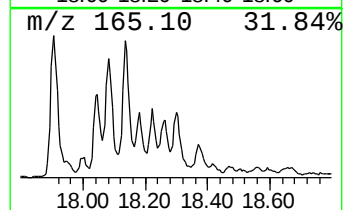
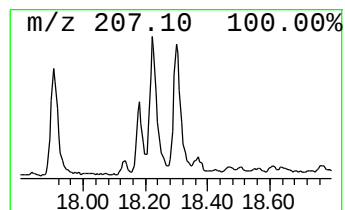
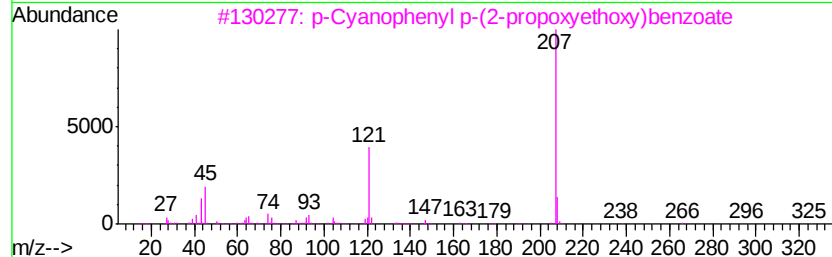
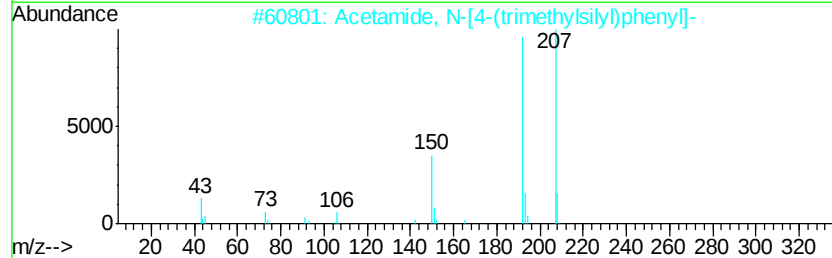
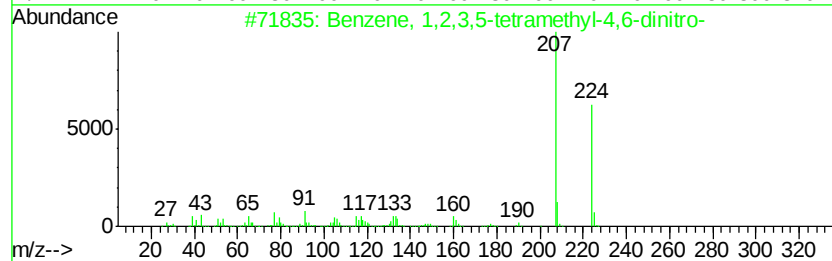
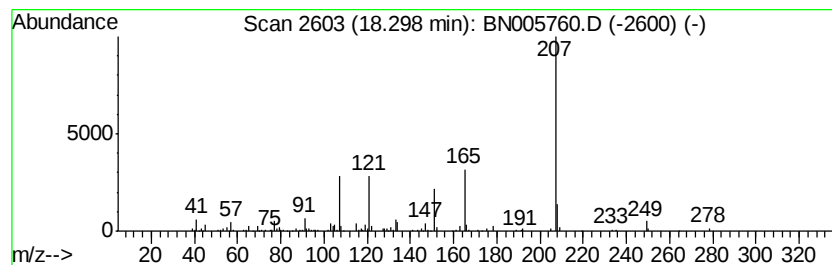
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TIC Integration Parameters: LSCINT.P

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Peak Number 21 unknown-08 Concentration Rank 24

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.30 | 3.20 ng/ul | 346080 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                         | MW  | MolForm      | CAS#        | Qual |
|------|----|--------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl-4,6...  | 224 | C10H12N2O4   | 004674-22-0 | 43   |
| 2    |    | Acetamide, N-[4-(trimethylsilyl)...] | 207 | C11H17NOSi   | 017983-71-0 | 43   |
| 3    |    | p-Cyanophenyl p-(2-propoxyethoxy)... | 325 | C19H19N04    | 067131-97-9 | 43   |
| 4    |    | Brallobarbitol                       | 286 | C10H11BrN2O3 | 000561-86-4 | 38   |
| 5    |    | 2-Ethylacridine                      | 207 | C15H13N      | 055751-83-2 | 37   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

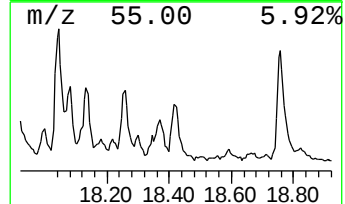
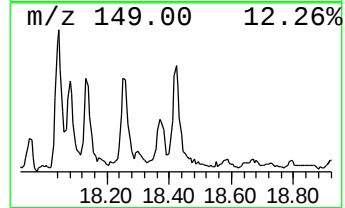
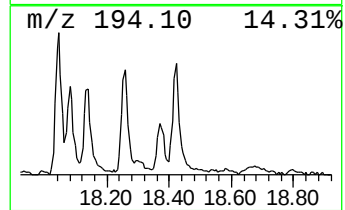
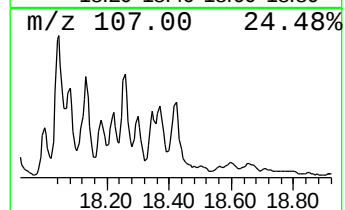
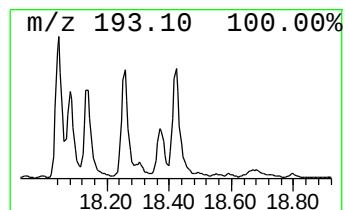
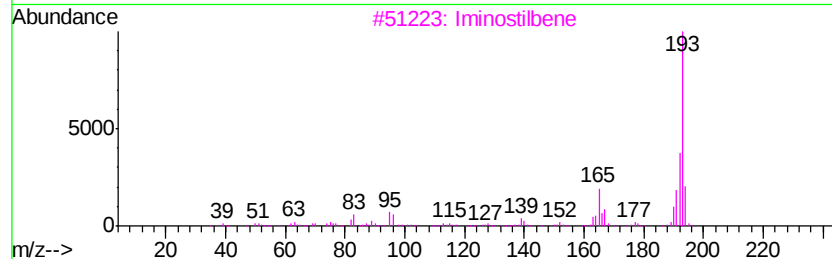
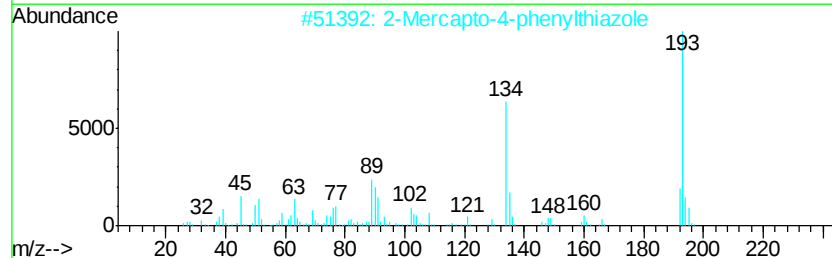
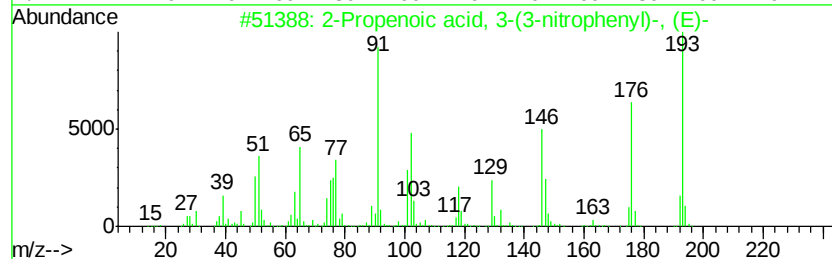
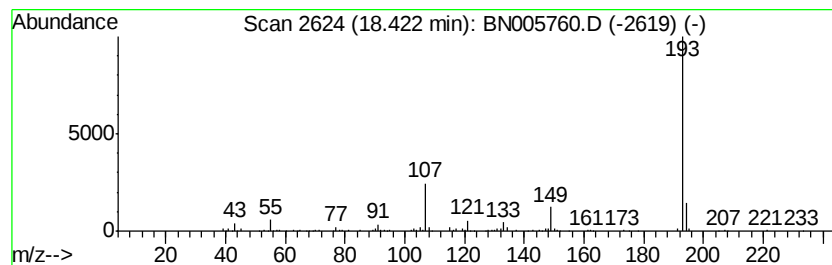
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 23 2-Propenoic acid, 3-(3-nitr... Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.42 | 5.37 ng/ul | 579898 | Phenanthrene-d10 | 16.97 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 2-Propenoic acid, 3-(3-nitrophen... | 193 | C9H7N04   | 001772-76-5  | 52   |
| 2    |    |   | 2-Mercapto-4-phenylthiazole         | 193 | C9H7NS2   | 002103-88-0  | 9    |
| 3    |    |   | Iminostilbene                       | 193 | C14H11N   | 000256-96-2  | 9    |
| 4    |    |   | 1H-Indole, 2-phenyl-                | 193 | C14H11N   | 000948-65-2  | 9    |
| 5    |    |   | Benzeneethenylamine, 3,4-dihydro... | 193 | C11H15N02 | 1000124-87-0 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

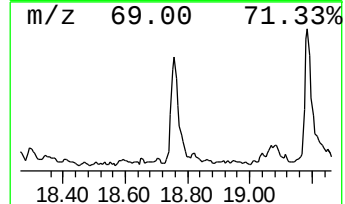
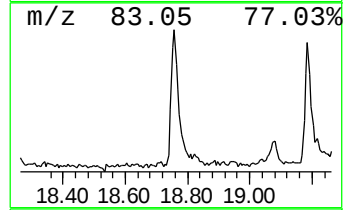
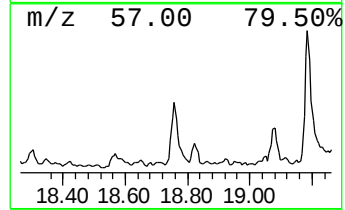
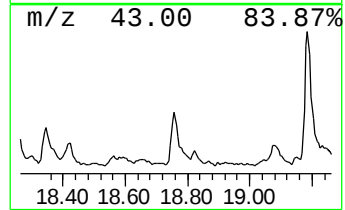
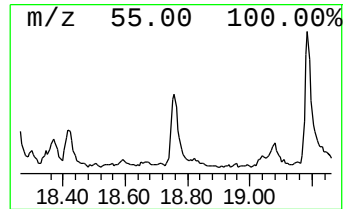
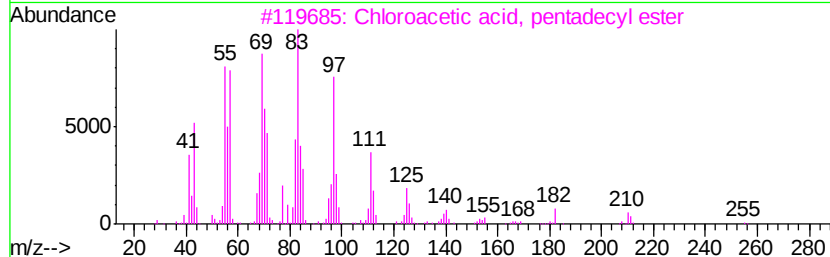
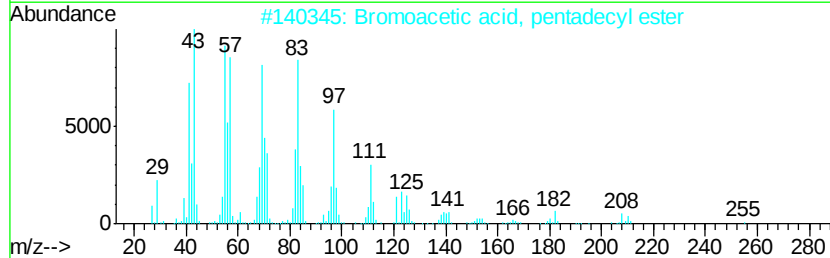
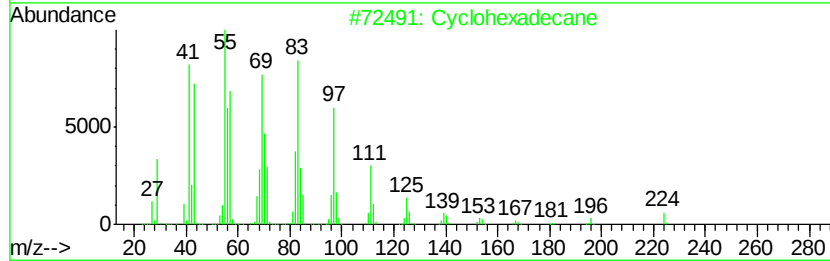
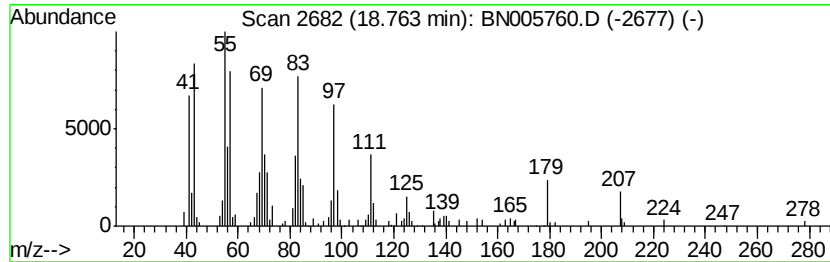
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 24 (DEL) Alkane: Cyclic18.76 Concentration Rank 27

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.76 | 2.87 ng/ul | 310222 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8 | 98   |
| 2    |    | Bromoacetic acid, pentadecyl ester  | 348 | C17H33BrO2 | 131143-01-6 | 94   |
| 3    |    | Chloroacetic acid, pentadecyl ester | 304 | C17H33ClO2 | 070301-47-2 | 94   |
| 4    |    | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5 | 94   |
| 5    |    | 1-Hexadecene                        | 224 | C16H32     | 000629-73-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

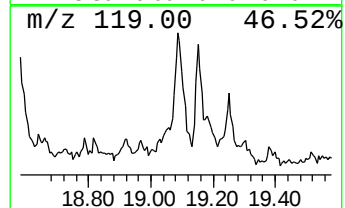
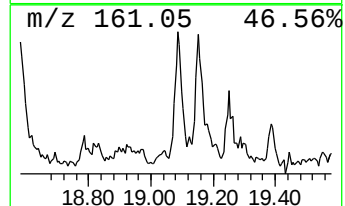
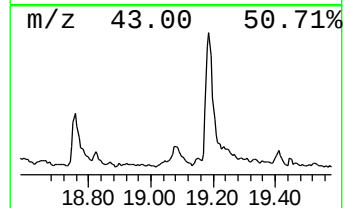
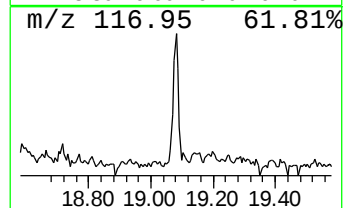
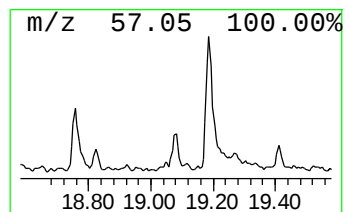
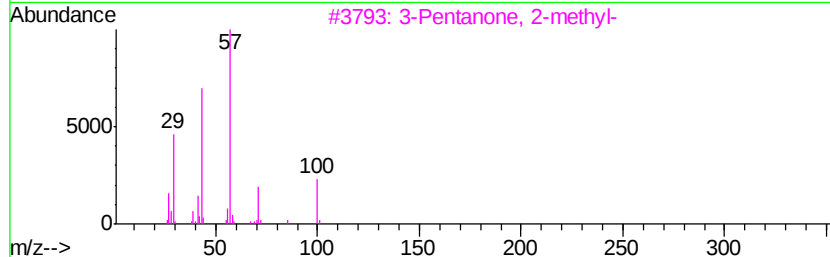
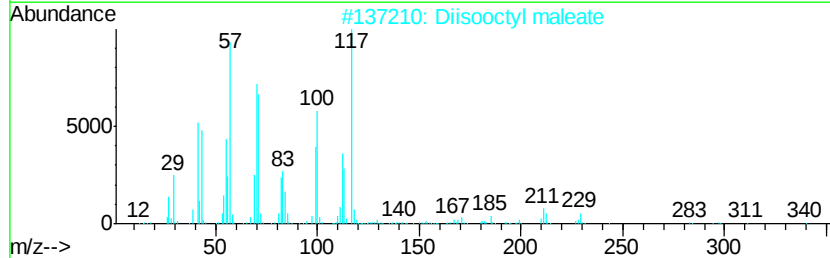
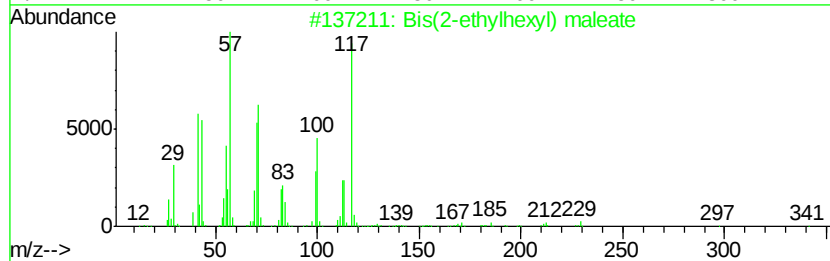
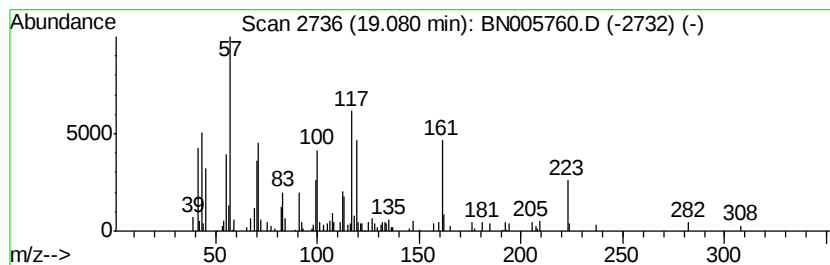
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 Bis(2-ethylhexyl) maleate Concentration Rank 31

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.08 | 2.42 ng/ul | 261316 | Phenanthrene-d10 | 16.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Bis(2-ethylhexyl) maleate           | 340 | C20H36O4 | 000142-16-5 | 53   |
| 2    |    | Diisooctyl maleate                  | 340 | C20H36O4 | 001330-76-3 | 16   |
| 3    |    | 3-Pentanone, 2-methyl-              | 100 | C6H12O   | 000565-69-5 | 14   |
| 4    |    | 3-Pentanone, 2-methyl-              | 100 | C6H12O   | 000565-69-5 | 14   |
| 5    |    | Valeric acid, 2-methyl-, pentyl ... | 186 | C11H22O2 | 006297-48-9 | 12   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

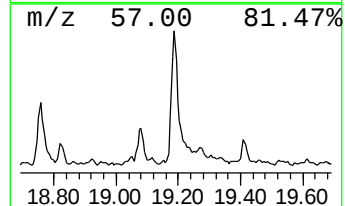
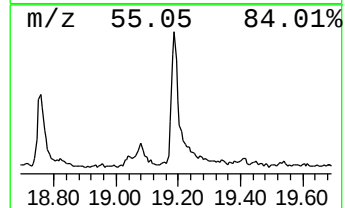
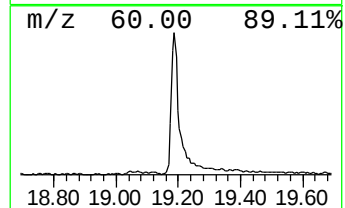
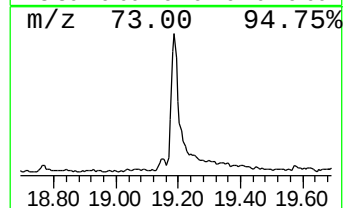
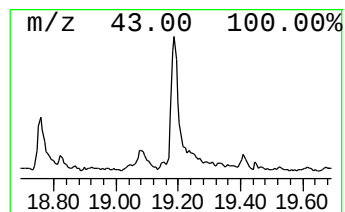
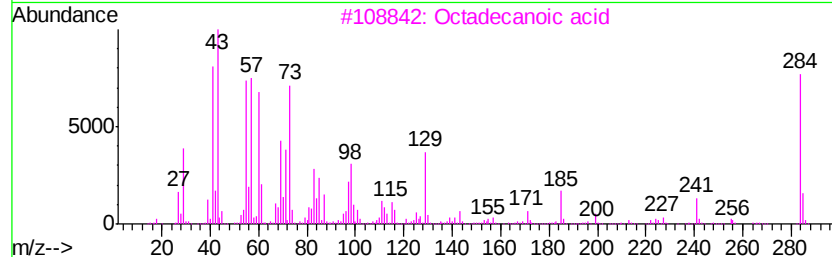
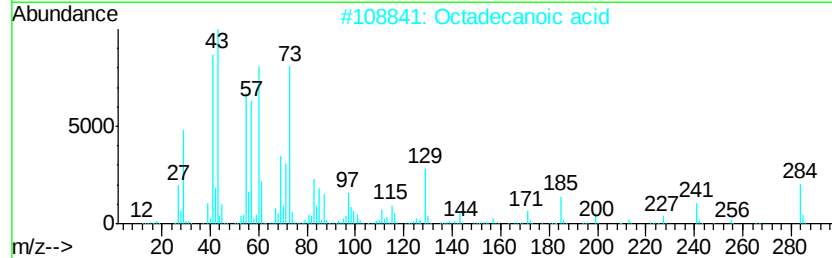
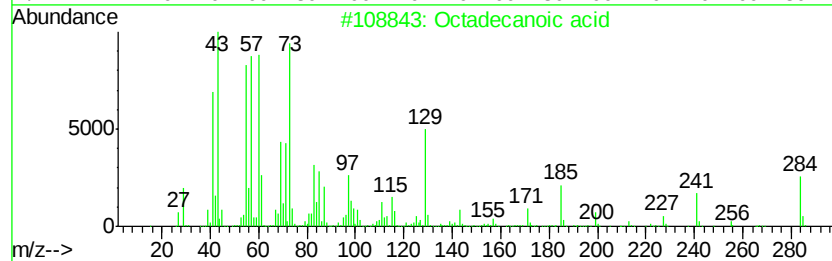
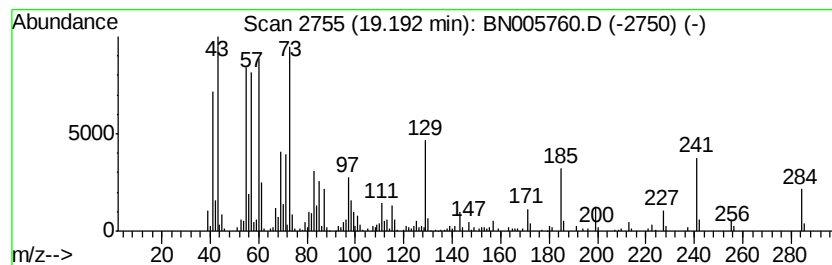
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 26 Octadecanoic acid Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.19 | 6.46 ng/ul | 847484 | Chrysene-d12     | 21.21 |

| 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 | 98   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 4    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 94   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

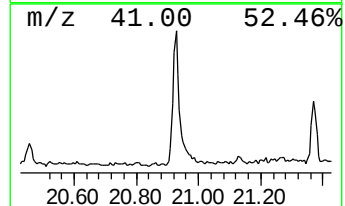
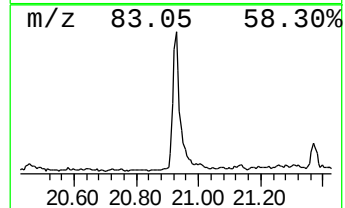
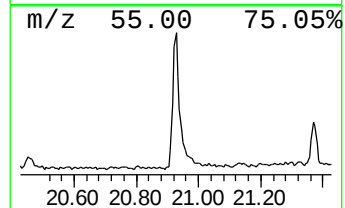
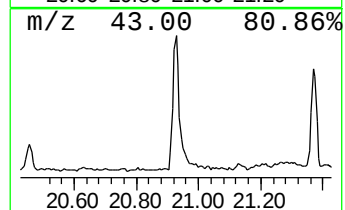
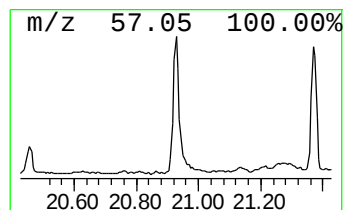
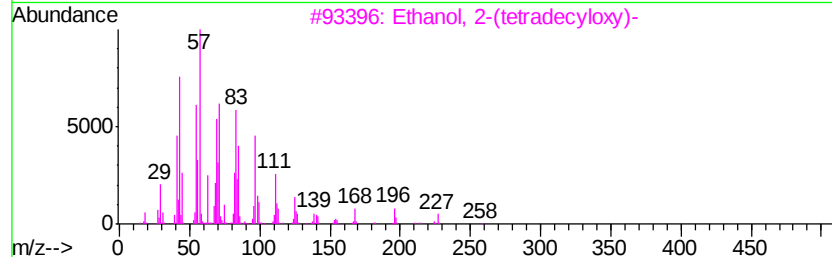
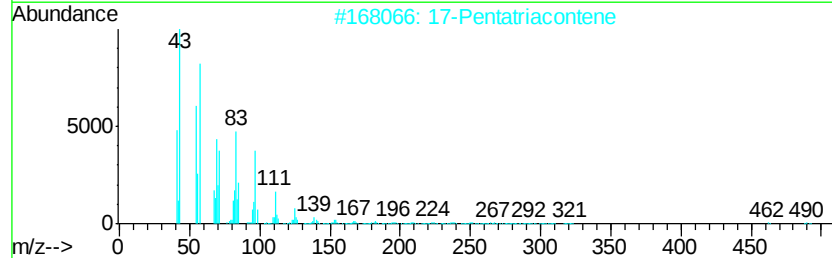
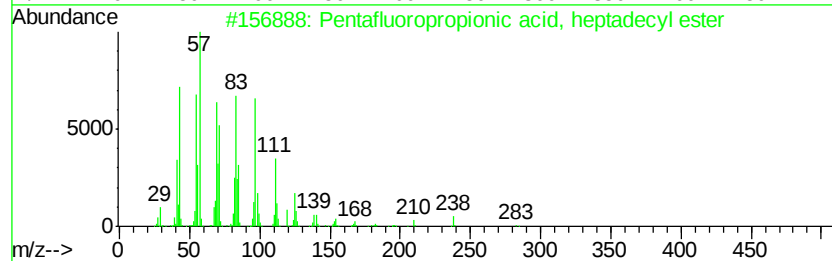
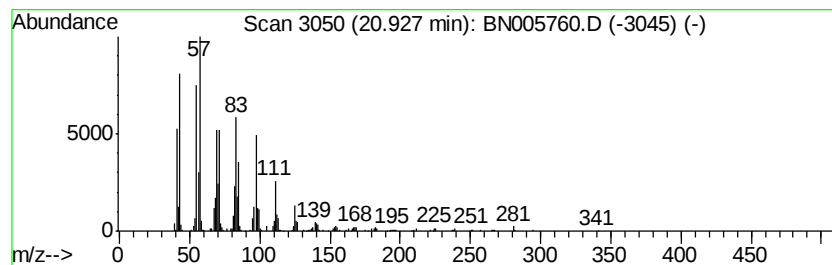
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 27 Pentafluoropropionic acid, ... Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.93 | 5.40 ng/ul | 708135 | Chrysene-d12     | 21.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 1000283-04-2 | 91   |
| 2    |    |   | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0  | 91   |
| 3    |    |   | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 91   |
| 4    |    |   | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 91   |
| 5    |    |   | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
 Data File : BN005760.D  
 Acq On : 18 May 2019 19:20  
 Operator : JU/SJ  
 Sample : K2690-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
 Quant Title : SVOA CALIBRATION

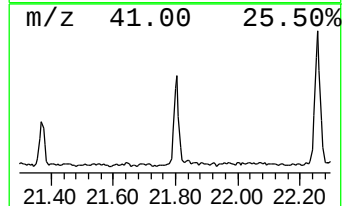
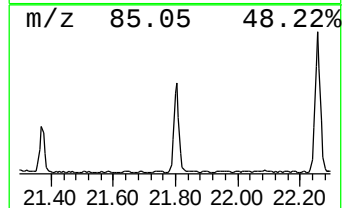
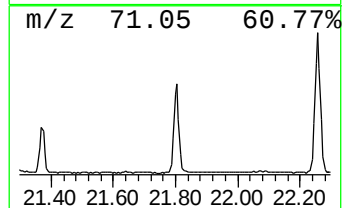
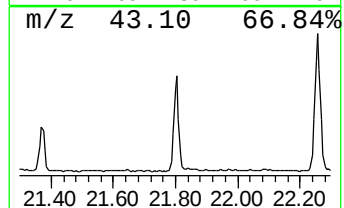
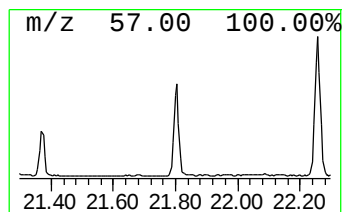
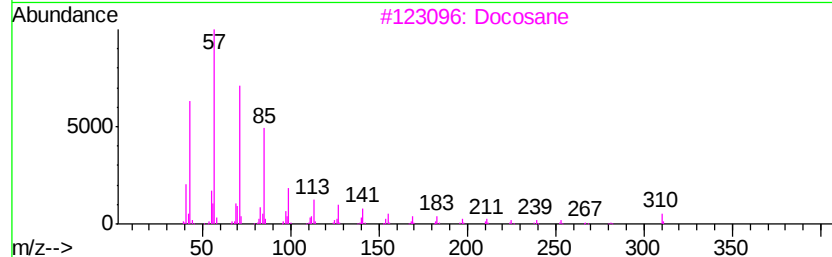
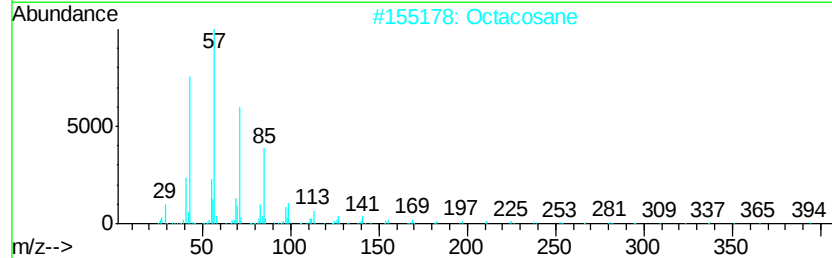
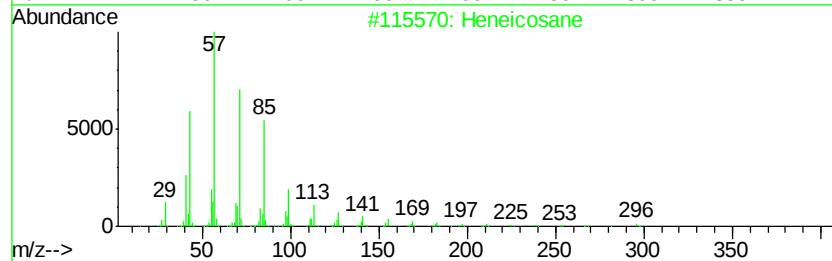
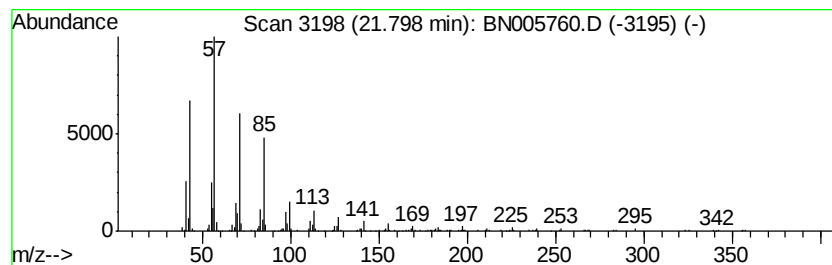
TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 22

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.80 | 4.13 ng/ul | 541590 | Chrysene-d12     | 21.21 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    |   | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    |   | Docosane         | 310 | C22H46  | 000629-97-0 | 91   |
| 4    |    |   | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    |   | Nonacosane       | 408 | C29H60  | 000630-03-5 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

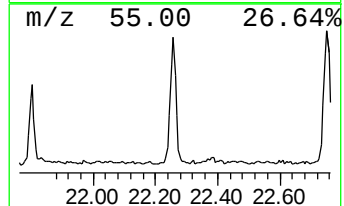
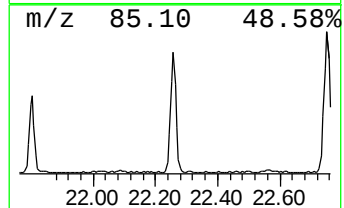
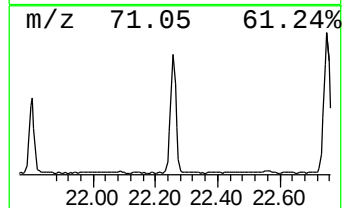
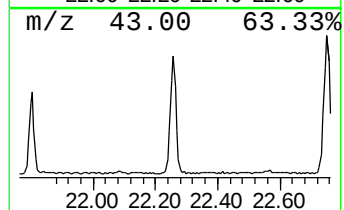
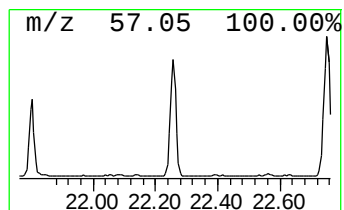
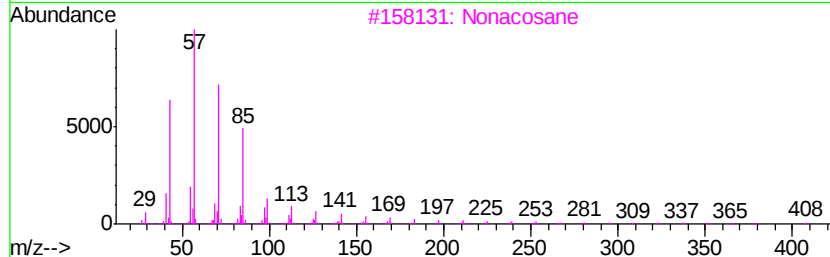
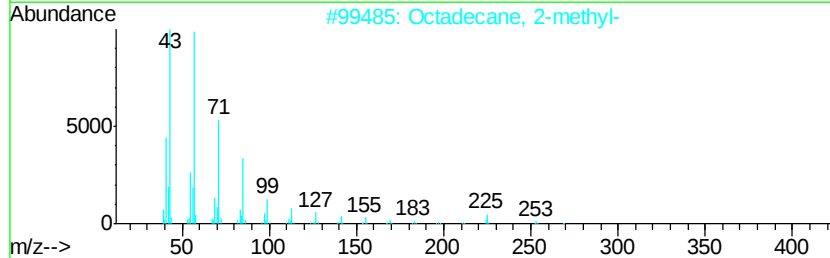
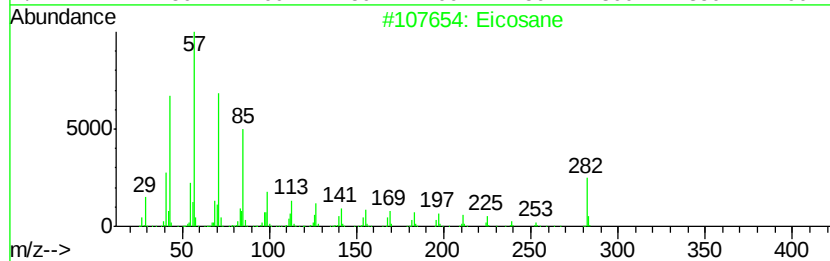
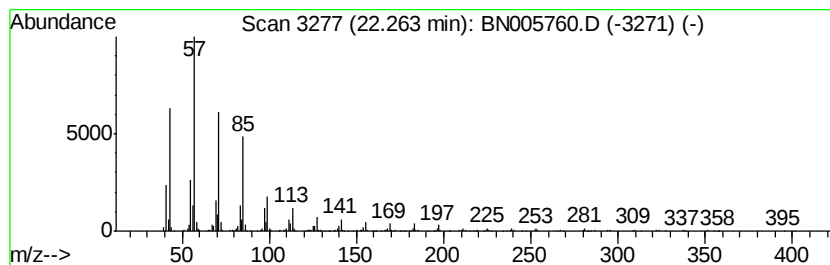
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.26 | 7.36 ng/ul | 965536 | Chrysene-d12     | 21.21 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 97   |
| 2    |    | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 94   |
| 3    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 91   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

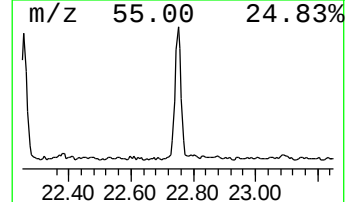
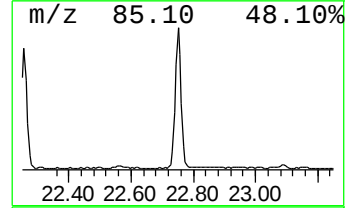
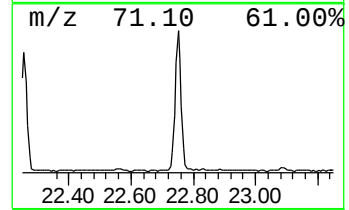
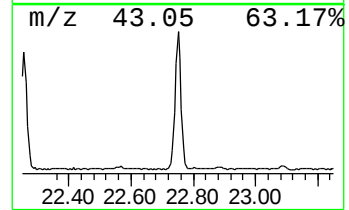
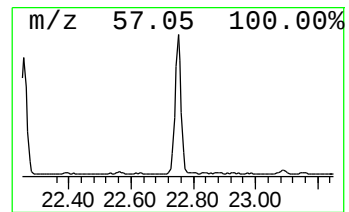
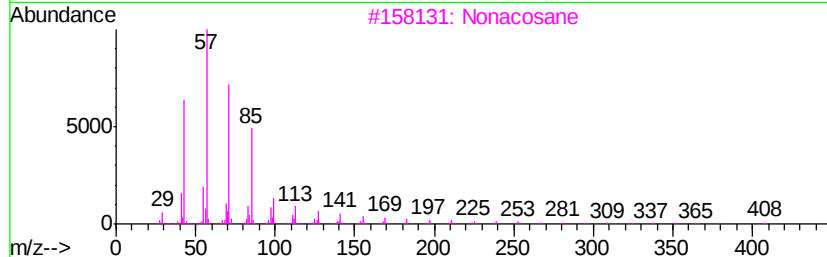
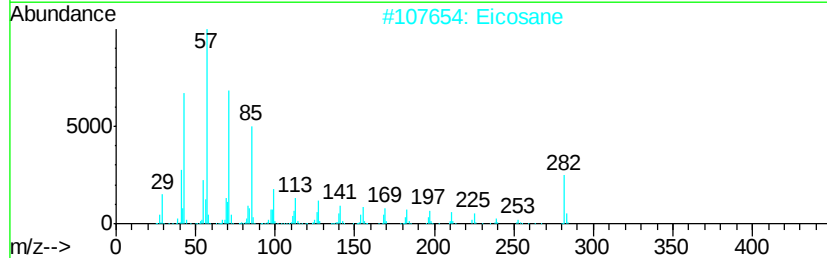
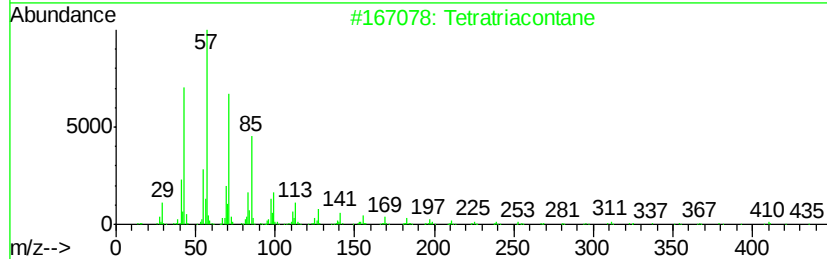
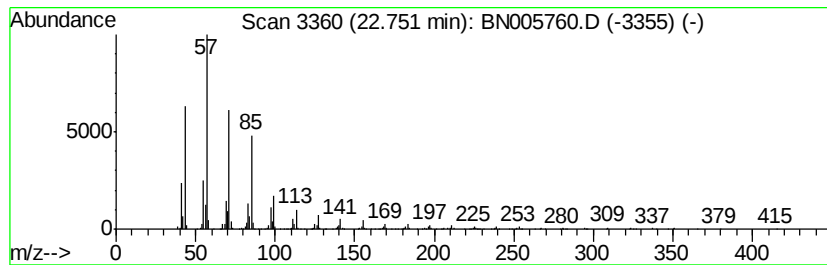
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.75 | 8.62 ng/ul | 1177530 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 94   |
| 2    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 93   |
| 3    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 91   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

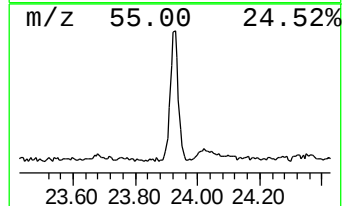
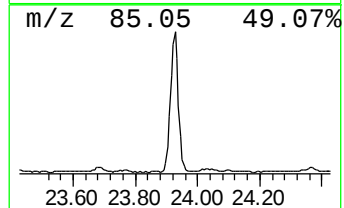
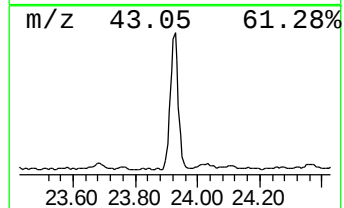
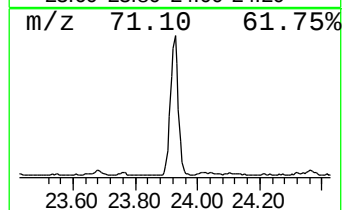
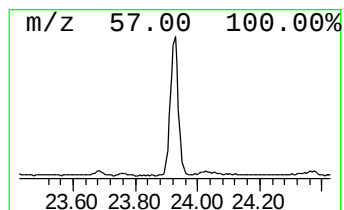
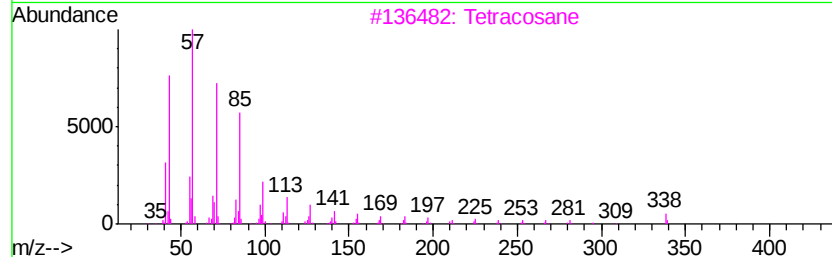
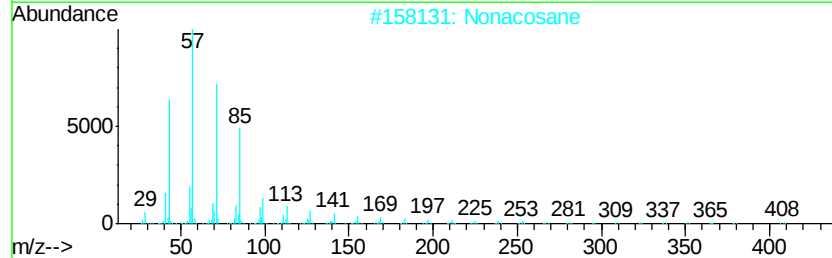
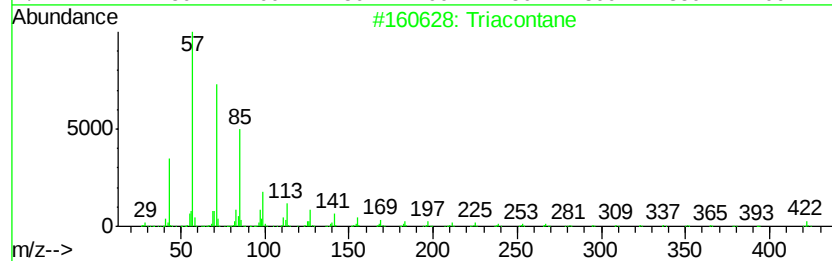
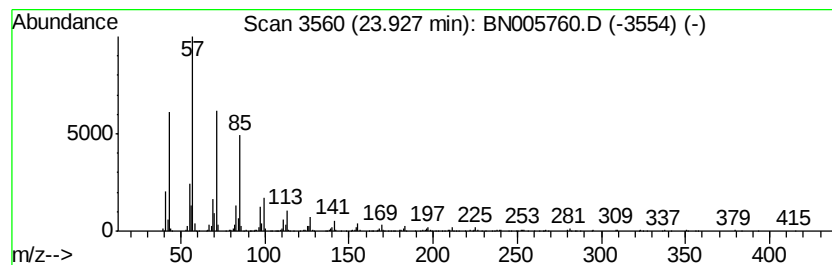
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.93 | 8.68 ng/ul | 1186290 | Perylene-d12     | 23.42 |

| Hit# | of | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------|-----|---------|-------------|------|
| 1    |    |   | Triacontane    | 422 | C30H62  | 000638-68-6 | 91   |
| 2    |    |   | Nonacosane     | 408 | C29H60  | 000630-03-5 | 91   |
| 3    |    |   | Tetracosane    | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    |   | Heptacosane    | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    |   | Hentriacontane | 437 | C31H64  | 000630-04-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

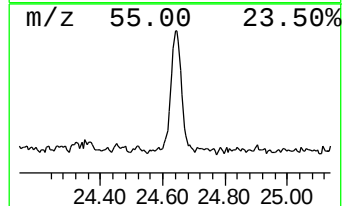
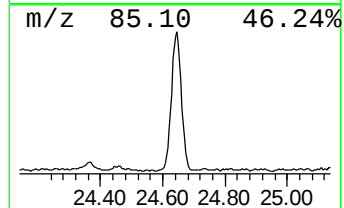
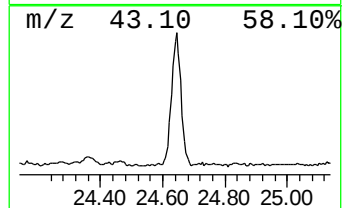
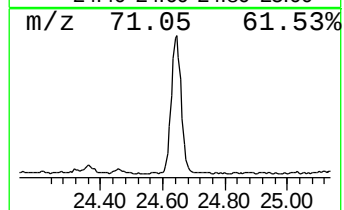
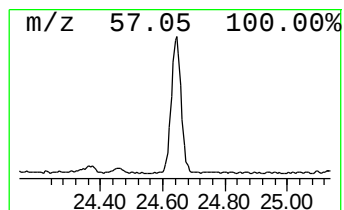
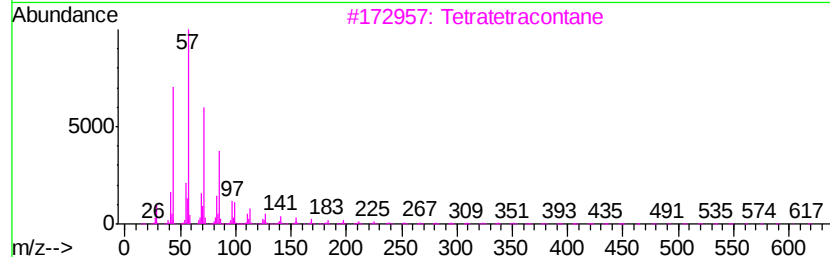
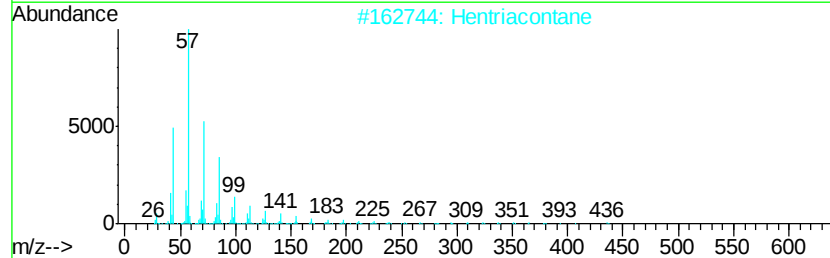
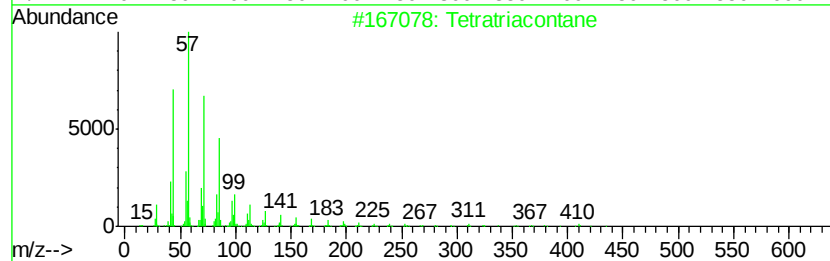
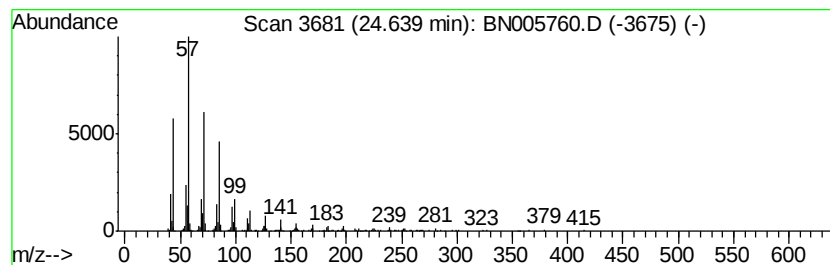
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.64 | 6.11 ng/ul | 834065 | Perylene-d12     | 23.42 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 94   |
| 2    |    |   | Hentriacontane    | 437 | C31H64  | 000630-04-6 | 91   |
| 3    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    |   | Heptacosane       | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    |   | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051819\  
Data File : BN005760.D  
Acq On : 18 May 2019 19:20  
Operator : JU/SJ  
Sample : K2690-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

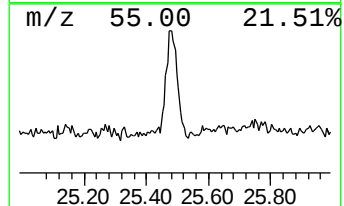
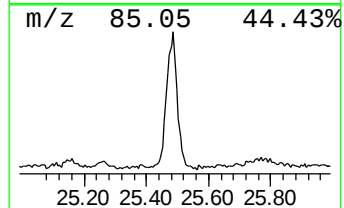
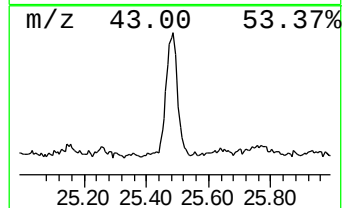
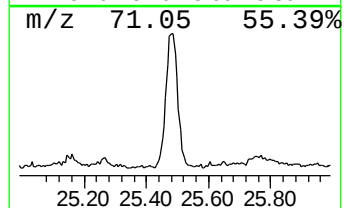
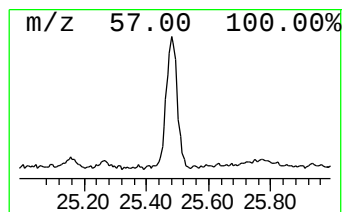
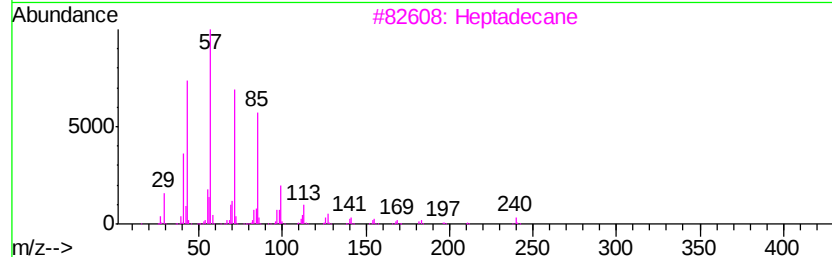
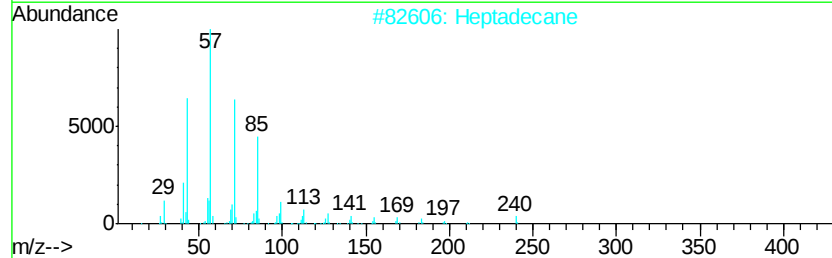
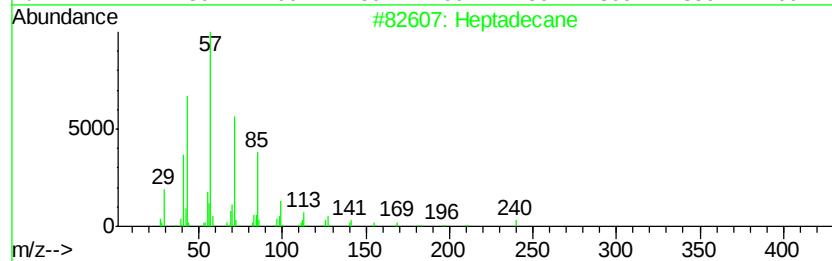
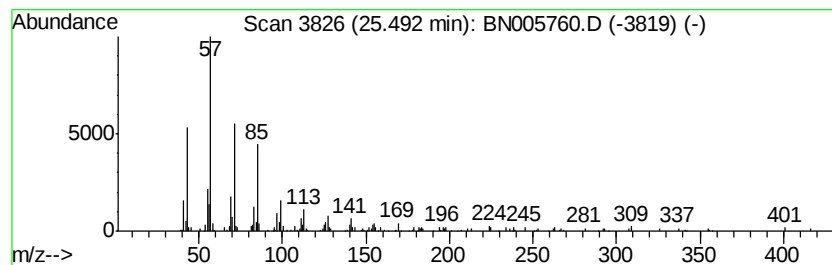
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.49 | 3.16 ng/ul | 432023 | Perylene-d12     | 23.42 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 95   |
| 2    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 95   |
| 3    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 94   |
| 4    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN051819\  
 Data File : BN005760.D  
 Acq On : 18 May 2019 19:20  
 Operator : JU/SJ  
 Sample : K2690-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A5159

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.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 |
| Phenol, 2-(1,1-di... | 15.70 | 2.6     | ng/ul | 277104   | 4                     | 16.97 | 2160760 | 20.0 |
| 4-tert-Butylpheny... | 15.74 | 2.7     | ng/ul | 293233   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-01           | 15.97 | 2.2     | ng/ul | 239038   | 4                     | 16.97 | 2160760 | 20.0 |
| Phenol, p-tert-bu... | 16.13 | 15.2    | ng/ul | 1642280  | 4                     | 16.97 | 2160760 | 20.0 |
| 2-Methyl-4-hydrox... | 16.38 | 4.4     | ng/ul | 472701   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-02           | 16.49 | 2.8     | ng/ul | 300711   | 4                     | 16.97 | 2160760 | 20.0 |
| 2-(4-Formyl-pheno... | 17.34 | 8.9     | ng/ul | 967277   | 4                     | 16.97 | 2160760 | 20.0 |
| n-Hexadecanoic acid  | 17.89 | 17.5    | ng/ul | 1895340  | 4                     | 16.97 | 2160760 | 20.0 |
| Ethanol, 2-[4-(1,... | 18.00 | 6.3     | ng/ul | 678807   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-03           | 18.05 | 10.1    | ng/ul | 1087430  | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-04           | 18.13 | 8.0     | ng/ul | 859612   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-05           | 18.18 | 2.3     | ng/ul | 251954   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-06           | 18.22 | 3.0     | ng/ul | 324103   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-07           | 18.26 | 4.4     | ng/ul | 477827   | 4                     | 16.97 | 2160760 | 20.0 |
| unknown-08           | 18.30 | 3.2     | ng/ul | 346080   | 4                     | 16.97 | 2160760 | 20.0 |
| 2-Propenoic acid,... | 18.42 | 5.4     | ng/ul | 579898   | 4                     | 16.97 | 2160760 | 20.0 |
| (DEL) Alkane: Cyc... | 18.76 | 2.9     | ng/ul | 310222   | 4                     | 16.97 | 2160760 | 20.0 |
| Bis(2-ethylhexyl)... | 19.08 | 2.4     | ng/ul | 261316   | 4                     | 16.97 | 2160760 | 20.0 |
| Octadecanoic acid    | 19.19 | 6.5     | ng/ul | 847484   | 5                     | 21.21 | 2624370 | 20.0 |
| Pentafluoropropio... | 20.93 | 5.4     | ng/ul | 708135   | 5                     | 21.21 | 2624370 | 20.0 |
| (DEL) Alkane: Str... | 21.80 | 4.1     | ng/ul | 541590   | 5                     | 21.21 | 2624370 | 20.0 |
| (DEL) Alkane: Str... | 22.26 | 7.4     | ng/ul | 965536   | 5                     | 21.21 | 2624370 | 20.0 |
| (DEL) Alkane: Str... | 22.75 | 8.6     | ng/ul | 1177530  | 6                     | 23.42 | 2732230 | 20.0 |
| (DEL) Alkane: Str... | 23.93 | 8.7     | ng/ul | 1186290  | 6                     | 23.42 | 2732230 | 20.0 |
| (DEL) Alkane: Str... | 24.64 | 6.1     | ng/ul | 834065   | 6                     | 23.42 | 2732230 | 20.0 |
| (DEL) Alkane: Str... | 25.49 | 3.2     | ng/ul | 432023   | 6                     | 23.42 | 2732230 | 20.0 |