

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
 Data File : BN000466.D  
 Acq On : 19 Mar 2018 22:41  
 Operator : JU/SJ  
 Sample : J1933-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEED8

## 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:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.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         | 3.590       | 22            | 26          | 35           | rVB      | 62188          | 89423         | 1.99%           | 0.143%        |
| 2         | 3.908       | 76            | 80          | 85           | rBV2     | 14216          | 22176         | 0.49%           | 0.035%        |
| 3         | 5.413       | 330           | 336         | 341          | rBV2     | 6877           | 11665         | 0.26%           | 0.019%        |
| 4         | 5.754       | 387           | 394         | 401          | rBV3     | 4613           | 10236         | 0.23%           | 0.016%        |
| 5         | 6.425       | 502           | 508         | 520          | rBV      | 108447         | 170245        | 3.79%           | 0.272%        |
| 6         | 6.572       | 525           | 533         | 539          | rVB5     | 6142           | 14504         | 0.32%           | 0.023%        |
| 7         | 7.007       | 603           | 607         | 613          | rBV4     | 4985           | 8402          | 0.19%           | 0.013%        |
| 8         | 7.360       | 661           | 667         | 677          | rBV2     | 7215           | 15230         | 0.34%           | 0.024%        |
| 9         | 7.554       | 692           | 700         | 716          | rBV      | 994985         | 1810610       | 40.36%          | 2.895%        |
| 10        | 7.725       | 720           | 729         | 738          | rBV      | 896019         | 1414865       | 31.54%          | 2.262%        |
| 11        | 7.813       | 741           | 744         | 752          | rVB4     | 8269           | 16960         | 0.38%           | 0.027%        |
| 12        | 7.937       | 758           | 765         | 773          | rBV      | 1011010        | 1703620       | 37.97%          | 2.724%        |
| 13        | 8.419       | 837           | 847         | 861          | rBV      | 996339         | 1631678       | 36.37%          | 2.609%        |
| 14        | 9.119       | 959           | 966         | 977          | rBV      | 1270929        | 2114289       | 47.13%          | 3.381%        |
| 15        | 9.601       | 1040          | 1048        | 1056         | rBV      | 978304         | 1634599       | 36.44%          | 2.614%        |
| 16        | 9.672       | 1056          | 1060        | 1068         | rVV2     | 20249          | 40953         | 0.91%           | 0.065%        |
| 17        | 9.954       | 1103          | 1108        | 1114         | rVB2     | 30718          | 44758         | 1.00%           | 0.072%        |
| 18        | 10.331      | 1164          | 1172        | 1181         | rVB      | 793405         | 1339578       | 29.86%          | 2.142%        |
| 19        | 10.866      | 1256          | 1263        | 1279         | rVB      | 1204320        | 2081117       | 46.39%          | 3.328%        |
| 20        | 11.025      | 1282          | 1290        | 1293         | rVB5     | 3794           | 7630          | 0.17%           | 0.012%        |
| 21        | 11.260      | 1322          | 1330        | 1343         | rBV      | 1374837        | 2354240       | 52.48%          | 3.764%        |
| 22        | 11.384      | 1343          | 1351        | 1361         | rBV      | 1246590        | 2130548       | 47.49%          | 3.407%        |
| 23        | 12.631      | 1556          | 1563        | 1568         | rVB5     | 5058           | 9271          | 0.21%           | 0.015%        |
| 24        | 12.689      | 1568          | 1573        | 1578         | rBV      | 11551          | 17502         | 0.39%           | 0.028%        |
| 25        | 12.819      | 1589          | 1595        | 1601         | rVB      | 21503          | 31710         | 0.71%           | 0.051%        |
| 26        | 13.401      | 1687          | 1694        | 1705         | rBV3     | 6106           | 16034         | 0.36%           | 0.026%        |
| 27        | 13.548      | 1713          | 1719        | 1723         | rBV      | 5564           | 8184          | 0.18%           | 0.013%        |
| 28        | 13.631      | 1729          | 1733        | 1738         | rBV3     | 10463          | 14479         | 0.32%           | 0.023%        |
| 29        | 13.831      | 1760          | 1767        | 1774         | rBV      | 47470          | 65332         | 1.46%           | 0.104%        |
| 30        | 13.901      | 1774          | 1779        | 1787         | rBV3     | 11179          | 21014         | 0.47%           | 0.034%        |
| 31        | 14.354      | 1851          | 1856        | 1859         | rBV4     | 5653           | 9902          | 0.22%           | 0.016%        |
| 32        | 14.425      | 1859          | 1868        | 1872         | rVV      | 2088816        | 2891033       | 64.44%          | 4.623%        |
| 33        | 14.472      | 1872          | 1876        | 1881         | rVV      | 489090         | 677552        | 15.10%          | 1.083%        |
| 34        | 14.519      | 1881          | 1884        | 1892         | rVB2     | 19101          | 31032         | 0.69%           | 0.050%        |

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
 Data File : BN000466.D  
 Acq On : 19 Mar 2018 22:41  
 Operator : JU/SJ  
 Sample : J1933-11  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEED8

## 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:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.595 | 1892 | 1897 | 1901 | rBV2 | 14212   | 20950   | 0.47%  | 0.033% |
| 36 | 14.660 | 1901 | 1908 | 1910 | rBV4 | 10126   | 19832   | 0.44%  | 0.032% |
| 37 | 14.683 | 1910 | 1912 | 1914 | rVV2 | 9037    | 9513    | 0.21%  | 0.015% |
| 38 | 14.736 | 1914 | 1921 | 1932 | rVB  | 2570131 | 3739742 | 83.36% | 5.980% |
| 39 | 14.889 | 1942 | 1947 | 1952 | rBV  | 175319  | 210365  | 4.69%  | 0.336% |
| 40 | 14.966 | 1956 | 1960 | 1966 | rBV6 | 13737   | 27067   | 0.60%  | 0.043% |
| 41 | 15.036 | 1966 | 1972 | 1980 | rVB2 | 1841989 | 2885954 | 64.33% | 4.615% |
| 42 | 15.207 | 1995 | 2001 | 2012 | rBV  | 901515  | 1364487 | 30.41% | 2.182% |
| 43 | 15.330 | 2018 | 2022 | 2028 | rVB4 | 14221   | 29052   | 0.65%  | 0.046% |
| 44 | 15.383 | 2028 | 2031 | 2037 | rVB3 | 18495   | 27916   | 0.62%  | 0.045% |
| 45 | 15.442 | 2037 | 2041 | 2046 | rVB2 | 16468   | 22164   | 0.49%  | 0.035% |
| 46 | 15.501 | 2046 | 2051 | 2059 | rBV2 | 37061   | 63110   | 1.41%  | 0.101% |
| 47 | 15.572 | 2059 | 2063 | 2068 | rBV2 | 19308   | 22870   | 0.51%  | 0.037% |
| 48 | 15.613 | 2068 | 2070 | 2076 | rVB4 | 4906    | 7668    | 0.17%  | 0.012% |
| 49 | 15.730 | 2084 | 2090 | 2094 | rVB4 | 7140    | 14159   | 0.32%  | 0.023% |
| 50 | 15.789 | 2094 | 2100 | 2103 | rBV  | 44430   | 62694   | 1.40%  | 0.100% |
| 51 | 15.830 | 2103 | 2107 | 2112 | rVB  | 221132  | 268125  | 5.98%  | 0.429% |
| 52 | 15.889 | 2112 | 2117 | 2122 | rBV3 | 11926   | 21139   | 0.47%  | 0.034% |
| 53 | 15.936 | 2122 | 2125 | 2132 | rVB8 | 10638   | 22413   | 0.50%  | 0.036% |
| 54 | 16.019 | 2132 | 2139 | 2146 | rBV  | 3009869 | 4272257 | 95.23% | 6.831% |
| 55 | 16.130 | 2152 | 2158 | 2167 | rBV  | 816585  | 1145286 | 25.53% | 1.831% |
| 56 | 16.236 | 2168 | 2176 | 2188 | rVV2 | 58534   | 192185  | 4.28%  | 0.307% |
| 57 | 16.325 | 2188 | 2191 | 2197 | rVV2 | 18189   | 28788   | 0.64%  | 0.046% |
| 58 | 16.383 | 2197 | 2201 | 2208 | rVV3 | 24037   | 41419   | 0.92%  | 0.066% |
| 59 | 16.448 | 2209 | 2212 | 2222 | rVB3 | 26447   | 38330   | 0.85%  | 0.061% |
| 60 | 16.642 | 2239 | 2245 | 2247 | rBV3 | 19972   | 33274   | 0.74%  | 0.053% |
| 61 | 16.683 | 2247 | 2252 | 2261 | rVB  | 175892  | 290208  | 6.47%  | 0.464% |
| 62 | 16.872 | 2282 | 2284 | 2289 | rVB  | 13869   | 16504   | 0.37%  | 0.026% |
| 63 | 16.972 | 2294 | 2301 | 2306 | rBV  | 58385   | 88059   | 1.96%  | 0.141% |
| 64 | 17.024 | 2306 | 2310 | 2317 | rVV5 | 15607   | 30814   | 0.69%  | 0.049% |
| 65 | 17.083 | 2317 | 2320 | 2323 | rVV2 | 13932   | 15632   | 0.35%  | 0.025% |
| 66 | 17.124 | 2323 | 2327 | 2334 | rVB2 | 30928   | 54961   | 1.23%  | 0.088% |
| 67 | 17.189 | 2334 | 2338 | 2345 | rBV2 | 21679   | 29924   | 0.67%  | 0.048% |
| 68 | 17.254 | 2345 | 2349 | 2353 | rBV3 | 13833   | 20885   | 0.47%  | 0.033% |
| 69 | 17.472 | 2381 | 2386 | 2390 | rBV  | 94343   | 111575  | 2.49%  | 0.178% |
| 70 | 17.524 | 2391 | 2395 | 2398 | rBV2 | 19752   | 25688   | 0.57%  | 0.041% |
| 71 | 17.630 | 2406 | 2413 | 2417 | rBV5 | 10580   | 17723   | 0.40%  | 0.028% |

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

## 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:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.760 | 2429 | 2435 | 2446 | rVB2 | 2073936 | 3087019 | 68.81%  | 4.936% |
| 73  | 17.860 | 2446 | 2452 | 2463 | rVB2 | 3023694 | 4365922 | 97.32%  | 6.981% |
| 74  | 17.948 | 2463 | 2467 | 2471 | rBV5 | 5398    | 10143   | 0.23%   | 0.016% |
| 75  | 18.013 | 2473 | 2478 | 2484 | rBV6 | 7172    | 15583   | 0.35%   | 0.025% |
| 76  | 18.207 | 2506 | 2511 | 2515 | rBV  | 30206   | 38464   | 0.86%   | 0.062% |
| 77  | 18.477 | 2554 | 2557 | 2559 | rBV3 | 8343    | 11721   | 0.26%   | 0.019% |
| 78  | 18.601 | 2573 | 2578 | 2589 | rBV  | 477752  | 744086  | 16.59%  | 1.190% |
| 79  | 18.883 | 2623 | 2626 | 2629 | rBV2 | 9988    | 10419   | 0.23%   | 0.017% |
| 80  | 18.924 | 2629 | 2633 | 2636 | rBV2 | 13097   | 16517   | 0.37%   | 0.026% |
| 81  | 19.007 | 2645 | 2647 | 2652 | rVB6 | 6175    | 7873    | 0.18%   | 0.013% |
| 82  | 19.360 | 2703 | 2707 | 2710 | rBV  | 21240   | 24682   | 0.55%   | 0.039% |
| 83  | 19.442 | 2718 | 2721 | 2728 | rBV6 | 11338   | 23208   | 0.52%   | 0.037% |
| 84  | 19.689 | 2759 | 2763 | 2764 | rBV4 | 5399    | 8297    | 0.18%   | 0.013% |
| 85  | 19.713 | 2764 | 2767 | 2768 | rVV2 | 24535   | 26909   | 0.60%   | 0.043% |
| 86  | 19.754 | 2769 | 2774 | 2778 | rVB  | 44992   | 81506   | 1.82%   | 0.130% |
| 87  | 19.848 | 2786 | 2790 | 2806 | rBV  | 105385  | 200595  | 4.47%   | 0.321% |
| 88  | 20.007 | 2811 | 2817 | 2821 | rVB2 | 35984   | 59213   | 1.32%   | 0.095% |
| 89  | 20.118 | 2830 | 2836 | 2843 | rVB  | 3280212 | 4486317 | 100.00% | 7.173% |
| 90  | 20.977 | 2976 | 2982 | 2987 | rBV4 | 41270   | 77196   | 1.72%   | 0.123% |
| 91  | 21.083 | 2997 | 3000 | 3003 | rBV2 | 21800   | 27786   | 0.62%   | 0.044% |
| 92  | 21.542 | 3074 | 3078 | 3096 | rVB  | 424868  | 812627  | 18.11%  | 1.299% |
| 93  | 21.883 | 3131 | 3136 | 3143 | rBV2 | 2099848 | 2810136 | 62.64%  | 4.493% |
| 94  | 22.971 | 3317 | 3321 | 3329 | rVB3 | 87936   | 140140  | 3.12%   | 0.224% |
| 95  | 23.112 | 3341 | 3345 | 3352 | rVB  | 185428  | 283061  | 6.31%   | 0.453% |
| 96  | 23.530 | 3412 | 3416 | 3423 | rBV3 | 134520  | 216092  | 4.82%   | 0.346% |
| 97  | 24.206 | 3519 | 3531 | 3545 | rVB2 | 1797950 | 4044748 | 90.16%  | 6.467% |
| 98  | 24.365 | 3551 | 3558 | 3570 | rVB2 | 1248949 | 2575828 | 57.42%  | 4.119% |
| 99  | 24.889 | 3643 | 3647 | 3654 | rVB  | 151917  | 300705  | 6.70%   | 0.481% |
| 100 | 25.736 | 3787 | 3791 | 3800 | rVB2 | 135623  | 280397  | 6.25%   | 0.448% |

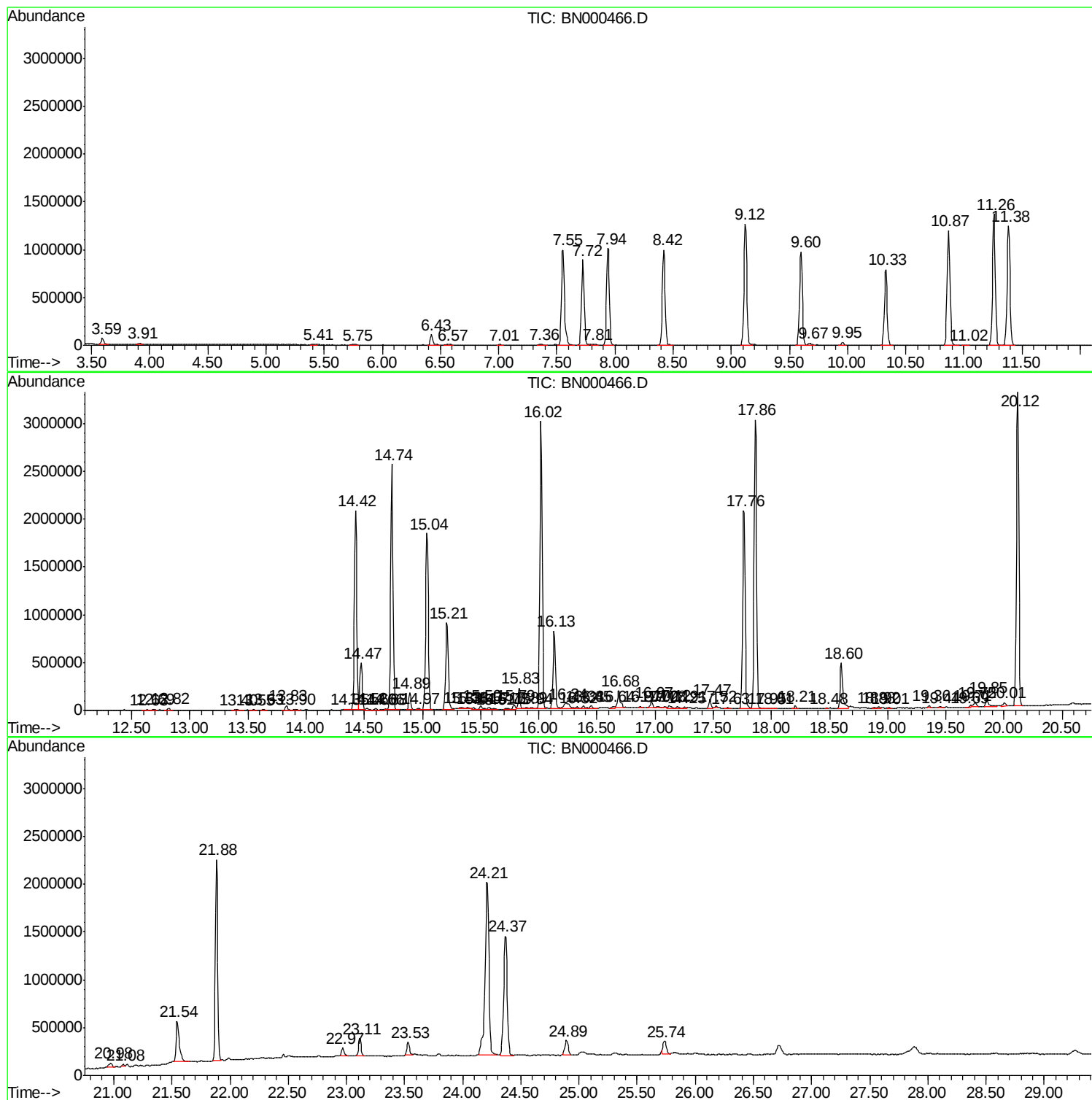
Sum of corrected areas: 62540293

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
BEED8

Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

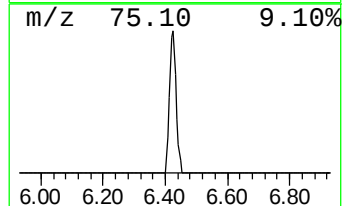
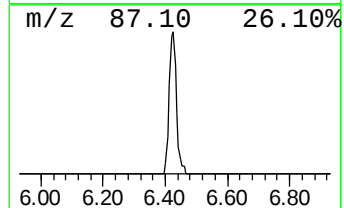
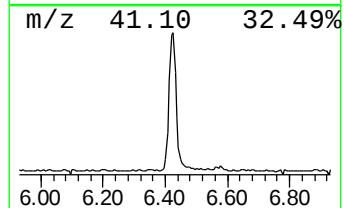
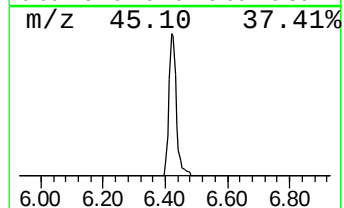
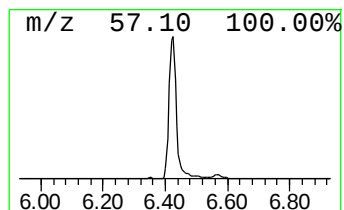
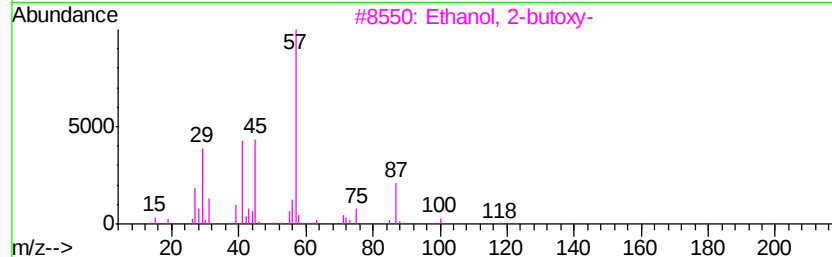
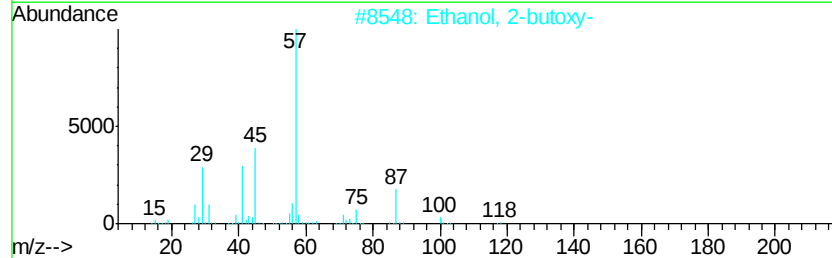
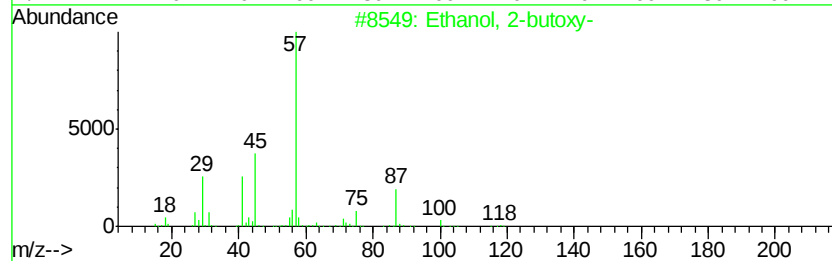
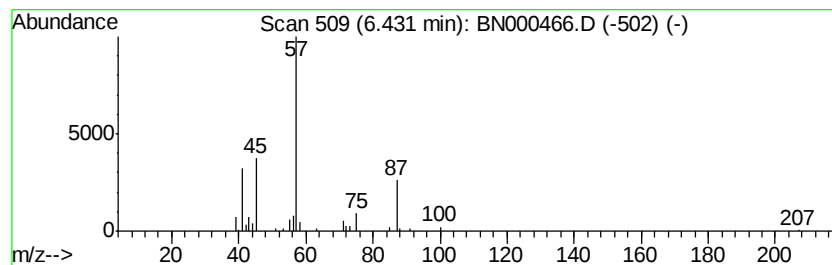
Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.43 | 2.09 ng/ul | 170245 | 1,4-Dichlorobenzene-d4 | 8.42 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-butoxy-                  | 118 | C6H14O2 | 000111-76-2 | 78   |
| 2    |    | Ethanol, 2-butoxy-                  | 118 | C6H14O2 | 000111-76-2 | 64   |
| 3    |    | Ethanol, 2-butoxy-                  | 118 | C6H14O2 | 000111-76-2 | 59   |
| 4    |    | n-Butyl ether                       | 130 | C8H18O  | 000142-96-1 | 37   |
| 5    |    | Propanoic acid, 2-hydroxyethyl e... | 118 | C5H10O3 | 024567-27-9 | 36   |



Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

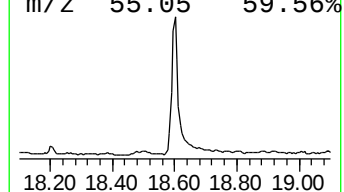
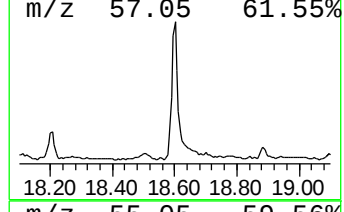
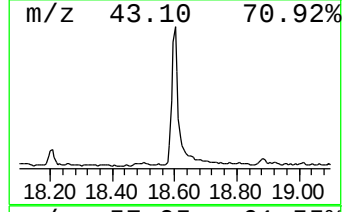
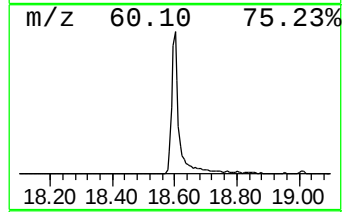
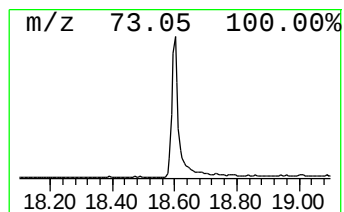
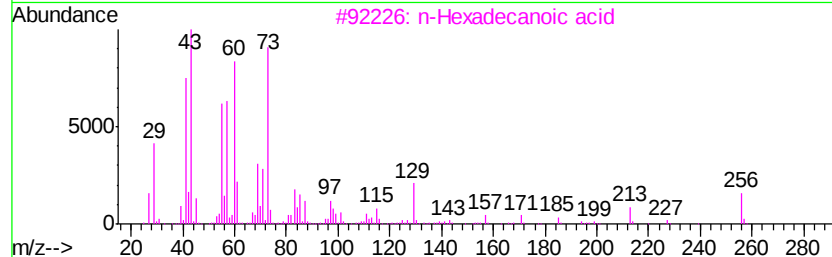
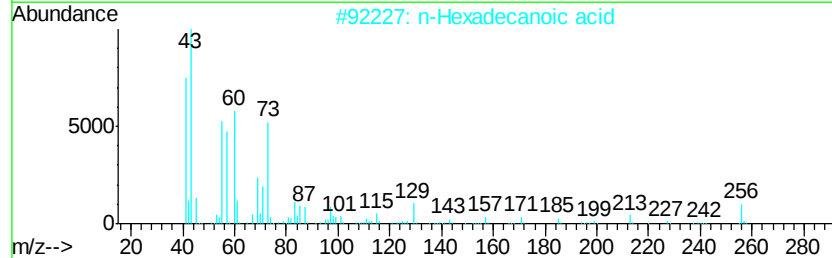
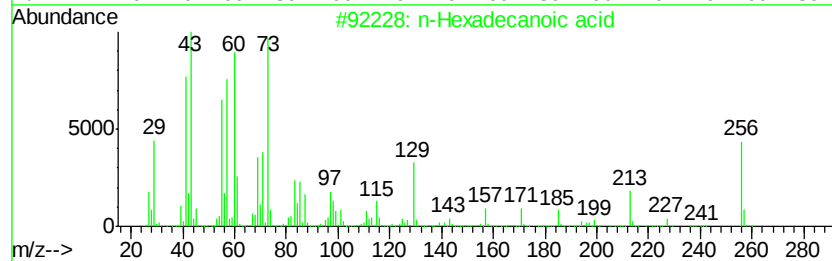
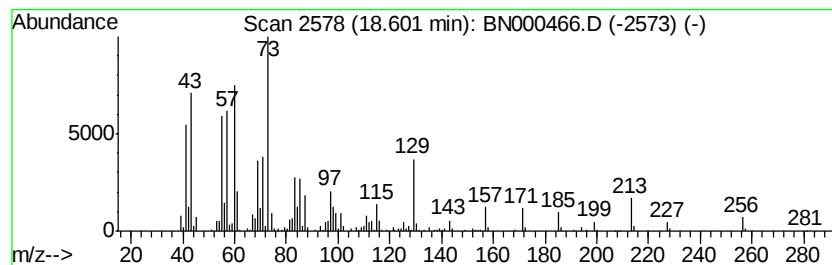
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.60 | 4.82 ng/ul | 744086 | Phenanthrene-d10 | 17.76 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |



Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

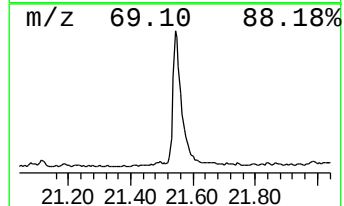
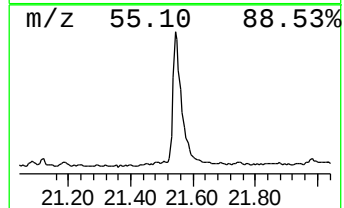
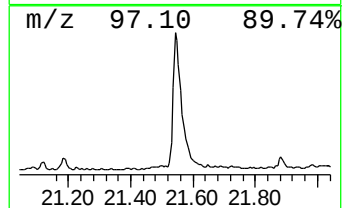
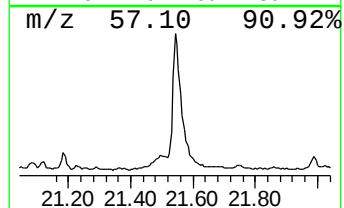
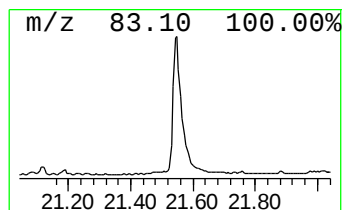
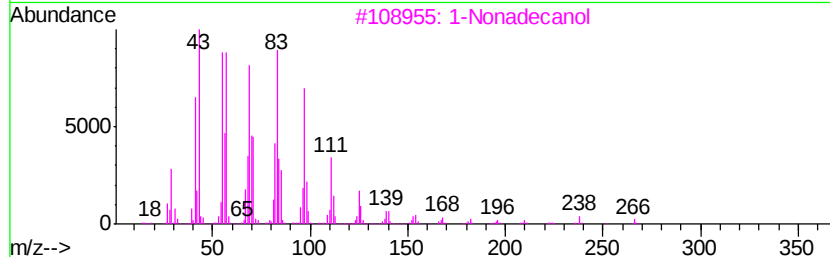
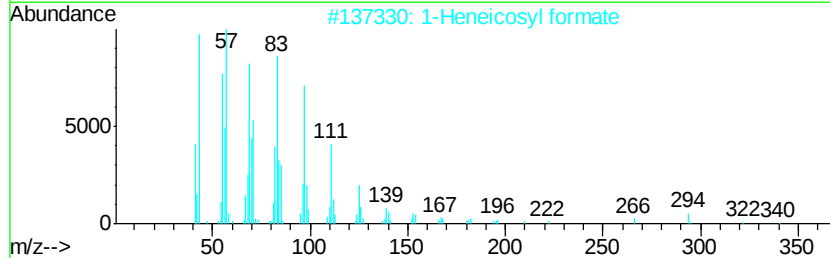
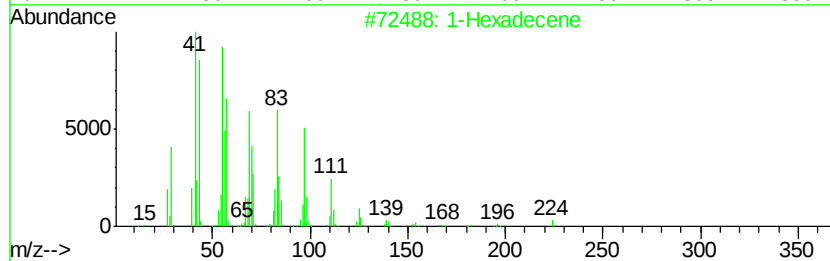
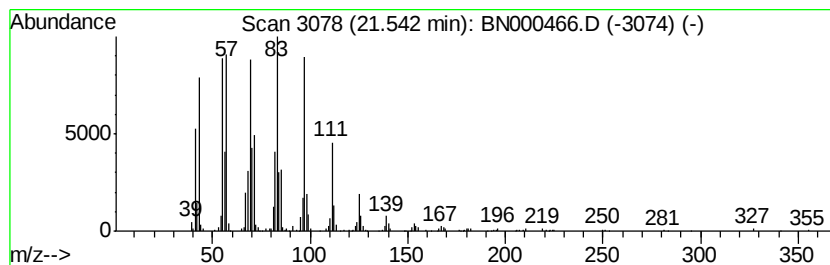
Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic21.54 Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 21.54     | 5.78 ng/ul                          | 812627 | Chrysene-d12     | 21.88       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Hexadecene                        | 224    | C16H32           | 000629-73-2 | 95   |
| 2         | 1-Heneicosyl formate                | 340    | C22H44O2         | 077899-03-7 | 93   |
| 3         | 1-Nonadecanol                       | 284    | C19H40O          | 001454-84-8 | 93   |
| 4         | Trichloroacetic acid, tetradecyl... | 358    | C16H29Cl3O2      | 074339-52-9 | 91   |
| 5         | 3-Eicosene, (E)-                    | 280    | C20H40           | 074685-33-9 | 91   |



Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

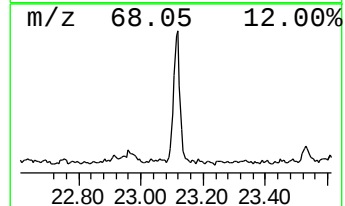
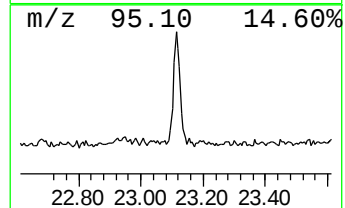
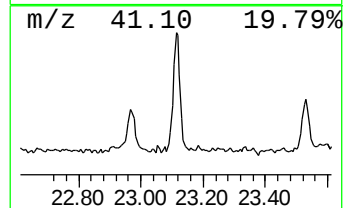
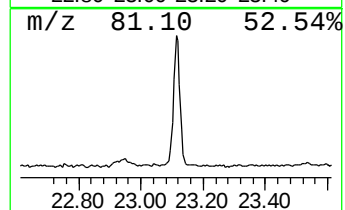
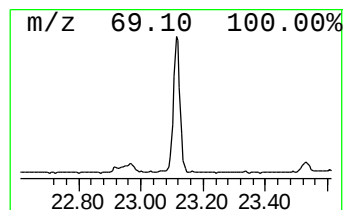
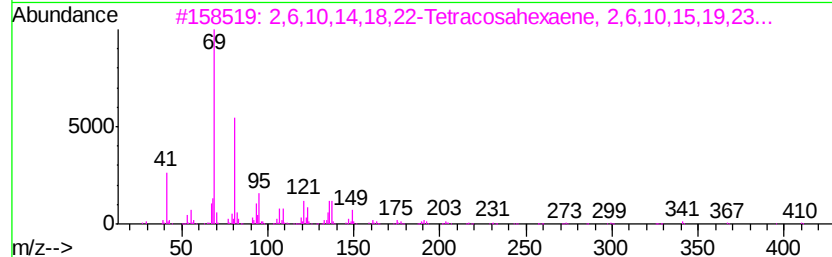
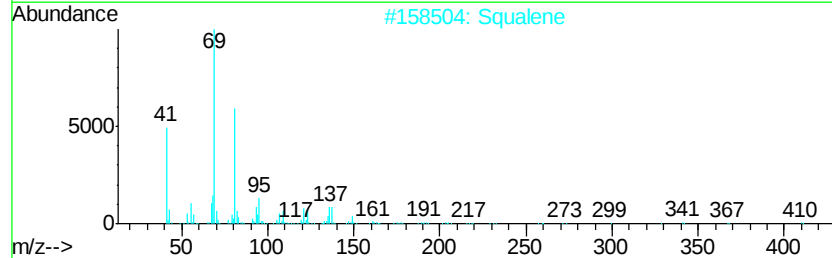
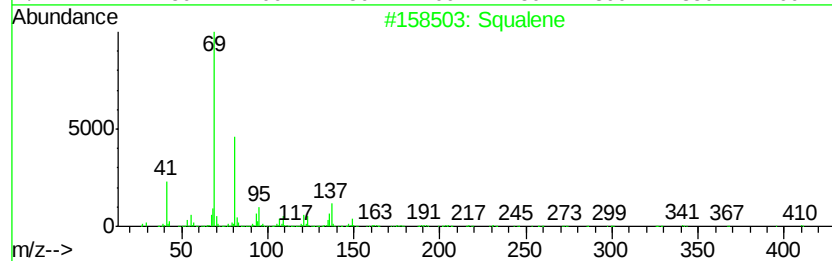
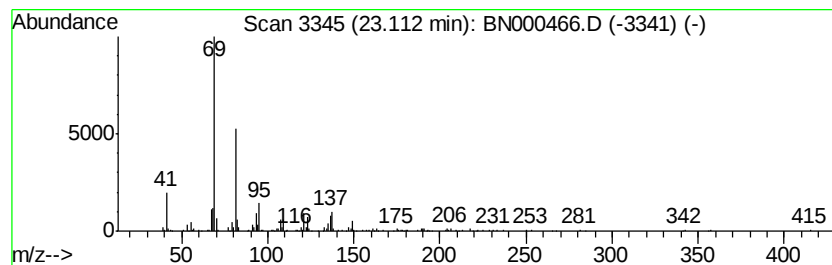
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Squalene Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.11 | 2.01 ng/ul | 283061 | Chrysene-d12     | 21.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 2    |    | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 3    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 90   |
| 4    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 86   |
| 5    |    | 4,8,12-Tetradecatrilal, 5,9,13-...  | 248 | C17H28O | 066408-55-7 | 80   |



Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

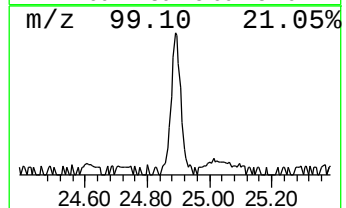
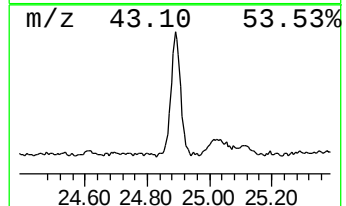
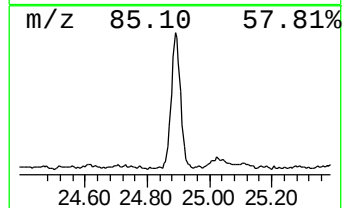
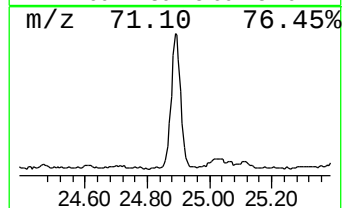
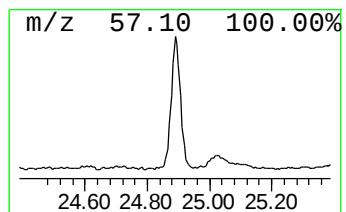
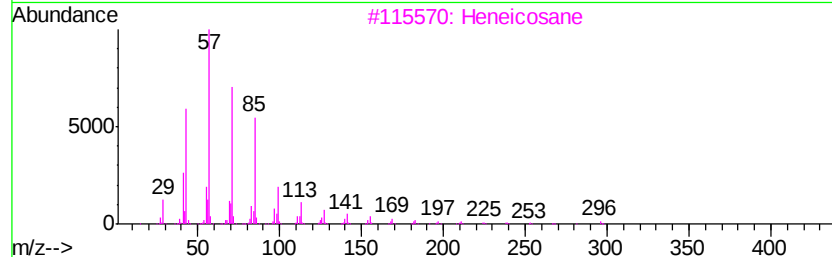
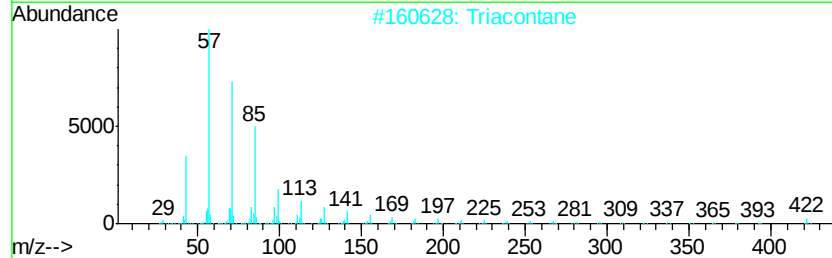
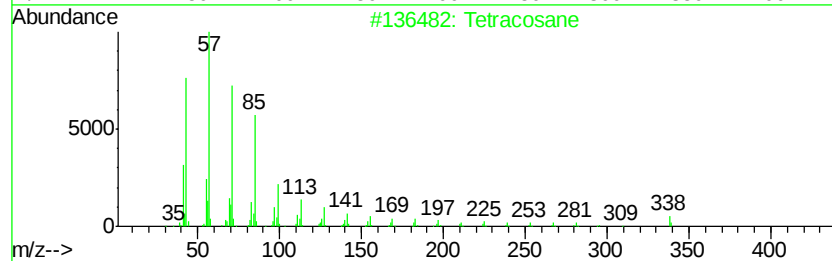
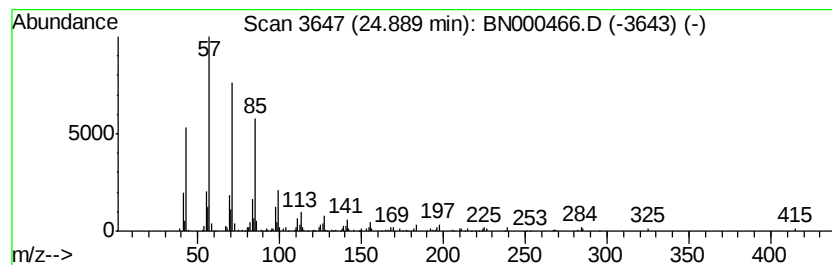
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.89 | 2.33 ng/ul | 300705 | Perylene-d12     | 24.37 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------|-----|---------|-------------|------|
| 1       |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 2       |   | triacontane            | 422 | C30H62  | 000638-68-6 | 91   |
| 3       |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 4       |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 87   |
| 5       |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 87   |



Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

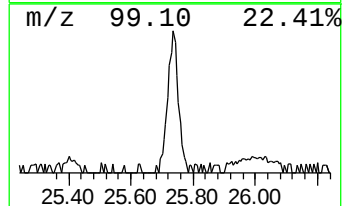
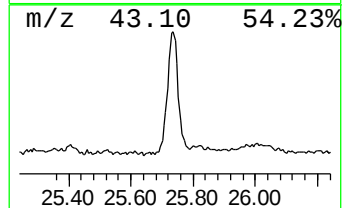
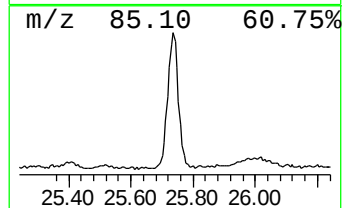
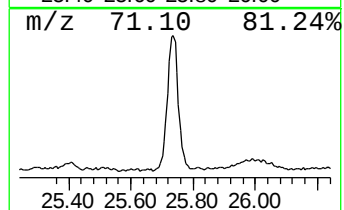
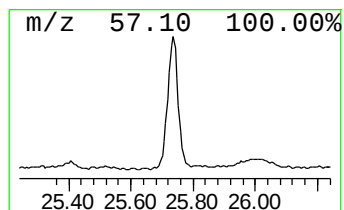
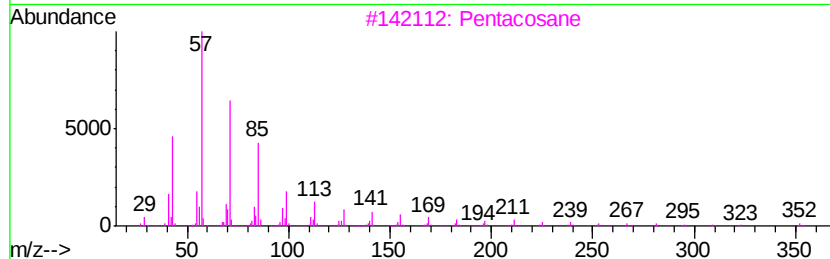
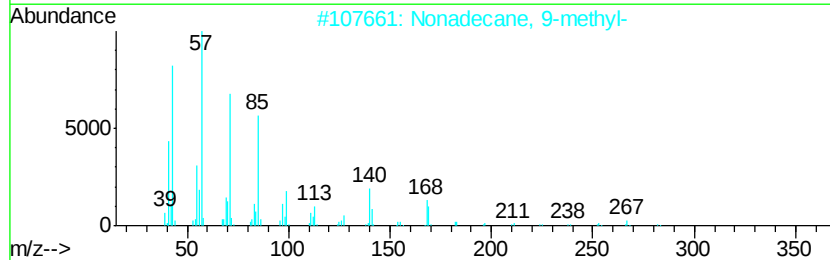
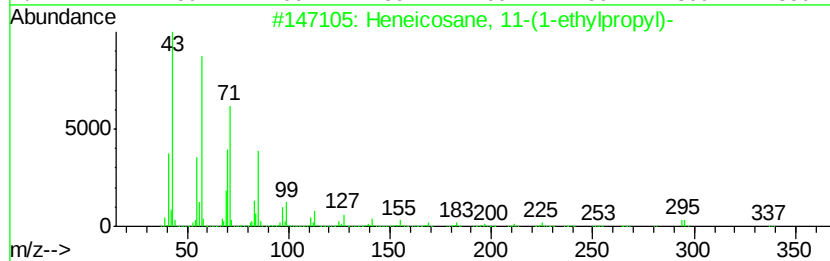
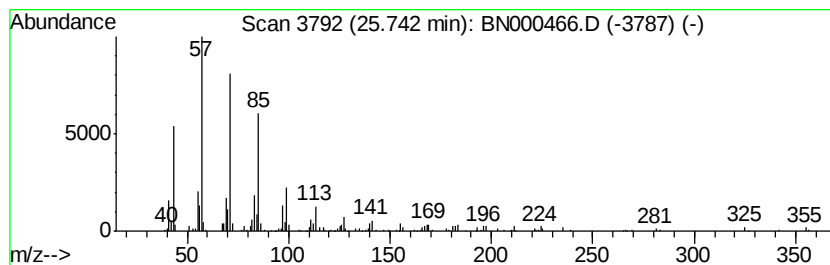
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.74 | 2.18 ng/ul | 280397 | Perylene-d12     | 24.37 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6  | 80   |
| 2    |    |   | Nonadecane, 9-methyl-            | 282 | C20H42  | 013287-24-6  | 80   |
| 3    |    |   | Pentacosane                      | 352 | C25H52  | 000629-99-2  | 78   |
| 4    |    |   | Tridecanol, 2-ethyl-2-methyl-    | 242 | C16H34O | 1000115-66-1 | 78   |
| 5    |    |   | Docosane                         | 310 | C22H46  | 000629-97-0  | 78   |



Data Path : Z:\HPCHEM1\BNA\_N\DATA\BN031918\  
Data File : BN000466.D  
Acq On : 19 Mar 2018 22:41  
Operator : JU/SJ  
Sample : J1933-11  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEED8

Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.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 |
| Ethanol, 2-butoxy-   | 6.43  | 2.1     | ng/ul | 170245   | 1                     | 8.42  | 1631680 | 20.0 |
| n-Hexadecanoic acid  | 18.60 | 4.8     | ng/ul | 744086   | 4                     | 17.76 | 3087020 | 20.0 |
| (DEL) Alkane: Cyc... | 21.54 | 5.8     | ng/ul | 812627   | 5                     | 21.88 | 2810140 | 20.0 |
| Squalene             | 23.11 | 2.0     | ng/ul | 283061   | 5                     | 21.88 | 2810140 | 20.0 |
| (DEL) Alkane: Str... | 24.89 | 2.3     | ng/ul | 300705   | 6                     | 24.37 | 2575830 | 20.0 |
| (DEL) Alkane: Str... | 25.74 | 2.2     | ng/ul | 280397   | 6                     | 24.37 | 2575830 | 20.0 |