

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
 Data File : BN006043.D  
 Acq On : 03 Jun 2019 18:55  
 Operator : JU/SJ  
 Sample : K2925-20  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A42E9

## 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-BN060319MA.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         | 3.248       | 11            | 16          | 18           | rBV      | 66494          | 83196         | 0.80%           | 0.035%        |
| 2         | 3.283       | 18            | 22          | 31           | rVB      | 317220         | 453399        | 4.38%           | 0.189%        |
| 3         | 3.871       | 119           | 122         | 128          | rVB3     | 13284          | 19170         | 0.19%           | 0.008%        |
| 4         | 3.966       | 134           | 138         | 144          | rBV      | 19497          | 25723         | 0.25%           | 0.011%        |
| 5         | 4.283       | 187           | 192         | 200          | rBV      | 88956          | 129095        | 1.25%           | 0.054%        |
| 6         | 4.865       | 285           | 291         | 299          | rBV      | 352226         | 508786        | 4.91%           | 0.212%        |
| 7         | 6.871       | 625           | 632         | 635          | rBV      | 2060373        | 3831758       | 37.01%          | 1.599%        |
| 8         | 6.918       | 638           | 640         | 657          | rVV      | 1945435        | 2834424       | 27.38%          | 1.183%        |
| 9         | 7.059       | 658           | 664         | 676          | rVB      | 1043738        | 1610643       | 15.56%          | 0.672%        |
| 10        | 7.259       | 690           | 698         | 700          | rBV      | 1321698        | 2149752       | 20.76%          | 0.897%        |
| 11        | 7.289       | 700           | 703         | 717          | rVB      | 1316635        | 1965324       | 18.98%          | 0.820%        |
| 12        | 7.724       | 769           | 777         | 784          | rBV      | 1378605        | 2153693       | 20.80%          | 0.899%        |
| 13        | 7.783       | 784           | 787         | 795          | rVB2     | 25452          | 42575         | 0.41%           | 0.018%        |
| 14        | 8.430       | 890           | 897         | 906          | rBV      | 1566950        | 2505181       | 24.20%          | 1.046%        |
| 15        | 8.524       | 906           | 913         | 930          | rVB      | 1329772        | 2129386       | 20.57%          | 0.889%        |
| 16        | 8.877       | 966           | 973         | 977          | rBV      | 1224269        | 2091989       | 20.21%          | 0.873%        |
| 17        | 8.924       | 977           | 981         | 993          | rVB      | 1043131        | 1677297       | 16.20%          | 0.700%        |
| 18        | 9.301       | 1040          | 1045        | 1053         | rVB      | 46529          | 68340         | 0.66%           | 0.029%        |
| 19        | 9.601       | 1087          | 1096        | 1099         | rBV      | 1058911        | 1973089       | 19.06%          | 0.824%        |
| 20        | 9.630       | 1099          | 1101        | 1111         | rVB      | 993861         | 1350492       | 13.04%          | 0.564%        |
| 21        | 10.136      | 1179          | 1187        | 1189         | rBV      | 1757868        | 2887025       | 27.88%          | 1.205%        |
| 22        | 10.512      | 1243          | 1251        | 1256         | rBV      | 1956753        | 3445325       | 33.28%          | 1.438%        |
| 23        | 10.565      | 1256          | 1260        | 1268         | rVV      | 1609819        | 2566720       | 24.79%          | 1.071%        |
| 24        | 10.653      | 1268          | 1275        | 1294         | rVB      | 1385312        | 2557072       | 24.70%          | 1.067%        |
| 25        | 10.847      | 1301          | 1308        | 1316         | rVB      | 1632902        | 2561246       | 24.74%          | 1.069%        |
| 26        | 11.806      | 1463          | 1471        | 1491         | rBV      | 2919277        | 4838386       | 46.73%          | 2.019%        |
| 27        | 12.047      | 1507          | 1512        | 1518         | rVB      | 113373         | 164767        | 1.59%           | 0.069%        |
| 28        | 12.106      | 1518          | 1522        | 1528         | rVB2     | 27467          | 45824         | 0.44%           | 0.019%        |
| 29        | 12.406      | 1565          | 1573        | 1589         | rVV      | 2631628        | 4153418       | 40.11%          | 1.734%        |
| 30        | 12.559      | 1592          | 1599        | 1608         | rBV      | 1695891        | 2682743       | 25.91%          | 1.120%        |
| 31        | 12.800      | 1633          | 1640        | 1646         | rVV      | 2835437        | 4311536       | 41.64%          | 1.800%        |
| 32        | 12.847      | 1646          | 1648        | 1659         | rVB      | 69009          | 107994        | 1.04%           | 0.045%        |
| 33        | 12.983      | 1665          | 1671        | 1677         | rVB8     | 12214          | 19725         | 0.19%           | 0.008%        |
| 34        | 13.206      | 1702          | 1709        | 1713         | rBV      | 3530250        | 5414730       | 52.30%          | 2.260%        |

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060319MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.247 | 1713 | 1716 | 1729 | rVV  | 1825420 | 2708669 | 26.16% | 1.131% |
| 36 | 13.789 | 1802 | 1808 | 1812 | rVV  | 2926534 | 4135391 | 39.94% | 1.726% |
| 37 | 13.836 | 1812 | 1816 | 1825 | rVV  | 2963263 | 4018412 | 38.81% | 1.677% |
| 38 | 13.959 | 1831 | 1837 | 1846 | rVV  | 1723260 | 2418476 | 23.36% | 1.009% |
| 39 | 14.071 | 1847 | 1856 | 1867 | rVB  | 3408056 | 5134582 | 49.59% | 2.143% |
| 40 | 14.283 | 1888 | 1892 | 1899 | rVB6 | 13709   | 20331   | 0.20%  | 0.008% |
| 41 | 14.383 | 1899 | 1909 | 1914 | rBV2 | 2900860 | 4373927 | 42.24% | 1.826% |
| 42 | 14.441 | 1914 | 1919 | 1934 | rVB  | 3031151 | 4569376 | 44.13% | 1.907% |
| 43 | 14.594 | 1937 | 1945 | 1965 | rBV2 | 1792142 | 3882008 | 37.49% | 1.620% |
| 44 | 14.783 | 1970 | 1977 | 1994 | rVB  | 2253315 | 3343100 | 32.29% | 1.395% |
| 45 | 14.906 | 1994 | 1998 | 2006 | rVB8 | 7508    | 20223   | 0.20%  | 0.008% |
| 46 | 15.012 | 2006 | 2016 | 2029 | rBV  | 1755716 | 2641339 | 25.51% | 1.102% |
| 47 | 15.183 | 2041 | 2045 | 2050 | rBV  | 32874   | 50801   | 0.49%  | 0.021% |
| 48 | 15.241 | 2050 | 2055 | 2059 | rVB2 | 29079   | 43088   | 0.42%  | 0.018% |
| 49 | 15.377 | 2072 | 2078 | 2083 | rBV  | 4227563 | 6124416 | 59.15% | 2.556% |
| 50 | 15.430 | 2083 | 2087 | 2094 | rVV  | 2035595 | 2790342 | 26.95% | 1.165% |
| 51 | 15.518 | 2094 | 2102 | 2113 | rVV3 | 2255275 | 4151144 | 40.09% | 1.733% |
| 52 | 15.618 | 2113 | 2119 | 2127 | rVB2 | 68273   | 142423  | 1.38%  | 0.059% |
| 53 | 15.747 | 2137 | 2141 | 2146 | rVB7 | 13166   | 19897   | 0.19%  | 0.008% |
| 54 | 16.106 | 2198 | 2202 | 2209 | rVV6 | 23293   | 51160   | 0.49%  | 0.021% |
| 55 | 16.165 | 2209 | 2212 | 2218 | rVB4 | 22331   | 27960   | 0.27%  | 0.012% |
| 56 | 16.441 | 2252 | 2259 | 2268 | rBV  | 2087320 | 2886572 | 27.88% | 1.205% |
| 57 | 16.677 | 2296 | 2299 | 2306 | rVB3 | 29069   | 38250   | 0.37%  | 0.016% |
| 58 | 16.788 | 2312 | 2318 | 2334 | rBV  | 2141889 | 3120291 | 30.14% | 1.302% |
| 59 | 16.900 | 2334 | 2337 | 2338 | rBV3 | 20875   | 23395   | 0.23%  | 0.010% |
| 60 | 17.135 | 2370 | 2377 | 2381 | rVV2 | 3393871 | 5214405 | 50.36% | 2.176% |
| 61 | 17.177 | 2381 | 2384 | 2389 | rVV  | 3042880 | 4012158 | 38.75% | 1.675% |
| 62 | 17.235 | 2389 | 2394 | 2397 | rVV  | 4302606 | 6497988 | 62.76% | 2.712% |
| 63 | 17.271 | 2397 | 2400 | 2417 | rVV  | 3354968 | 4459805 | 43.07% | 1.861% |
| 64 | 17.400 | 2417 | 2422 | 2433 | rVV6 | 34619   | 113640  | 1.10%  | 0.047% |
| 65 | 17.494 | 2434 | 2438 | 2439 | rVV3 | 13135   | 19427   | 0.19%  | 0.008% |
| 66 | 17.541 | 2439 | 2446 | 2453 | rVV  | 2760640 | 4114584 | 39.74% | 1.717% |
| 67 | 17.612 | 2453 | 2458 | 2477 | rVV  | 2613442 | 3779189 | 36.50% | 1.577% |
| 68 | 17.747 | 2479 | 2481 | 2485 | rVV4 | 17350   | 26815   | 0.26%  | 0.011% |
| 69 | 17.806 | 2488 | 2491 | 2497 | rVB6 | 14776   | 21608   | 0.21%  | 0.009% |
| 70 | 18.035 | 2525 | 2530 | 2536 | rBV  | 282561  | 418775  | 4.04%  | 0.175% |
| 71 | 18.106 | 2537 | 2542 | 2549 | rVB  | 2888418 | 3502062 | 33.82% | 1.462% |

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Filtering: 5  
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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060319MA.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 72  | 18.335 | 2577 | 2581 | 2584 | rBV2 | 40341   | 52113    | 0.50%   | 0.022% |
| 73  | 18.371 | 2584 | 2587 | 2590 | rBV3 | 18072   | 27743    | 0.27%   | 0.012% |
| 74  | 18.559 | 2615 | 2619 | 2628 | rVB5 | 40422   | 67801    | 0.65%   | 0.028% |
| 75  | 18.859 | 2666 | 2670 | 2675 | rBV8 | 10515   | 18967    | 0.18%   | 0.008% |
| 76  | 18.918 | 2676 | 2680 | 2686 | rVV5 | 28534   | 58223    | 0.56%   | 0.024% |
| 77  | 18.971 | 2686 | 2689 | 2697 | rVB3 | 49818   | 84845    | 0.82%   | 0.035% |
| 78  | 19.206 | 2719 | 2729 | 2743 | rBV  | 6518650 | 8752628  | 84.54%  | 3.653% |
| 79  | 19.324 | 2746 | 2749 | 2752 | rBV4 | 27044   | 30703    | 0.30%   | 0.013% |
| 80  | 19.429 | 2763 | 2767 | 2768 | rBV  | 34762   | 44989    | 0.43%   | 0.019% |
| 81  | 19.541 | 2780 | 2786 | 2789 | rBV2 | 4367444 | 7104066  | 68.61%  | 2.965% |
| 82  | 19.571 | 2789 | 2791 | 2801 | rVB  | 4768293 | 5303995  | 51.23%  | 2.214% |
| 83  | 20.094 | 2872 | 2880 | 2883 | rBV3 | 67444   | 120374   | 1.16%   | 0.050% |
| 84  | 20.476 | 2940 | 2945 | 2952 | rBV  | 2630141 | 3050109  | 29.46%  | 1.273% |
| 85  | 20.594 | 2961 | 2965 | 2969 | rBV2 | 89874   | 112511   | 1.09%   | 0.047% |
| 86  | 21.065 | 3040 | 3045 | 3065 | rBV  | 1174320 | 2127528  | 20.55%  | 0.888% |
| 87  | 21.265 | 3075 | 3079 | 3084 | rBV  | 4344510 | 4477346  | 43.24%  | 1.869% |
| 88  | 21.335 | 3085 | 3091 | 3096 | rBV2 | 5603834 | 10353816 | 100.00% | 4.321% |
| 89  | 21.388 | 3096 | 3100 | 3110 | rVB  | 3765281 | 4863614  | 46.97%  | 2.030% |
| 90  | 21.506 | 3116 | 3120 | 3129 | rVB  | 566696  | 635138   | 6.13%   | 0.265% |
| 91  | 21.947 | 3191 | 3195 | 3200 | rBV  | 1098888 | 1317916  | 12.73%  | 0.550% |
| 92  | 22.423 | 3271 | 3276 | 3282 | rVB  | 1625584 | 2138953  | 20.66%  | 0.893% |
| 93  | 22.941 | 3358 | 3364 | 3381 | rVB2 | 4021634 | 7262319  | 70.14%  | 3.031% |
| 94  | 23.488 | 3450 | 3457 | 3460 | rBV  | 2703542 | 5298988  | 51.18%  | 2.212% |
| 95  | 23.523 | 3460 | 3463 | 3474 | rVV2 | 3157717 | 6613847  | 63.88%  | 2.760% |
| 96  | 23.635 | 3475 | 3482 | 3493 | rVB  | 1976298 | 3794279  | 36.65%  | 1.584% |
| 97  | 24.176 | 3567 | 3574 | 3583 | rBV  | 1358656 | 2665077  | 25.74%  | 1.112% |
| 98  | 24.935 | 3696 | 3703 | 3712 | rBV  | 838535  | 1799652  | 17.38%  | 0.751% |
| 99  | 25.823 | 3848 | 3854 | 3862 | rVV  | 363190  | 888368   | 8.58%   | 0.371% |
| 100 | 25.935 | 3863 | 3873 | 3898 | rVB2 | 2669054 | 8250584  | 79.69%  | 3.444% |

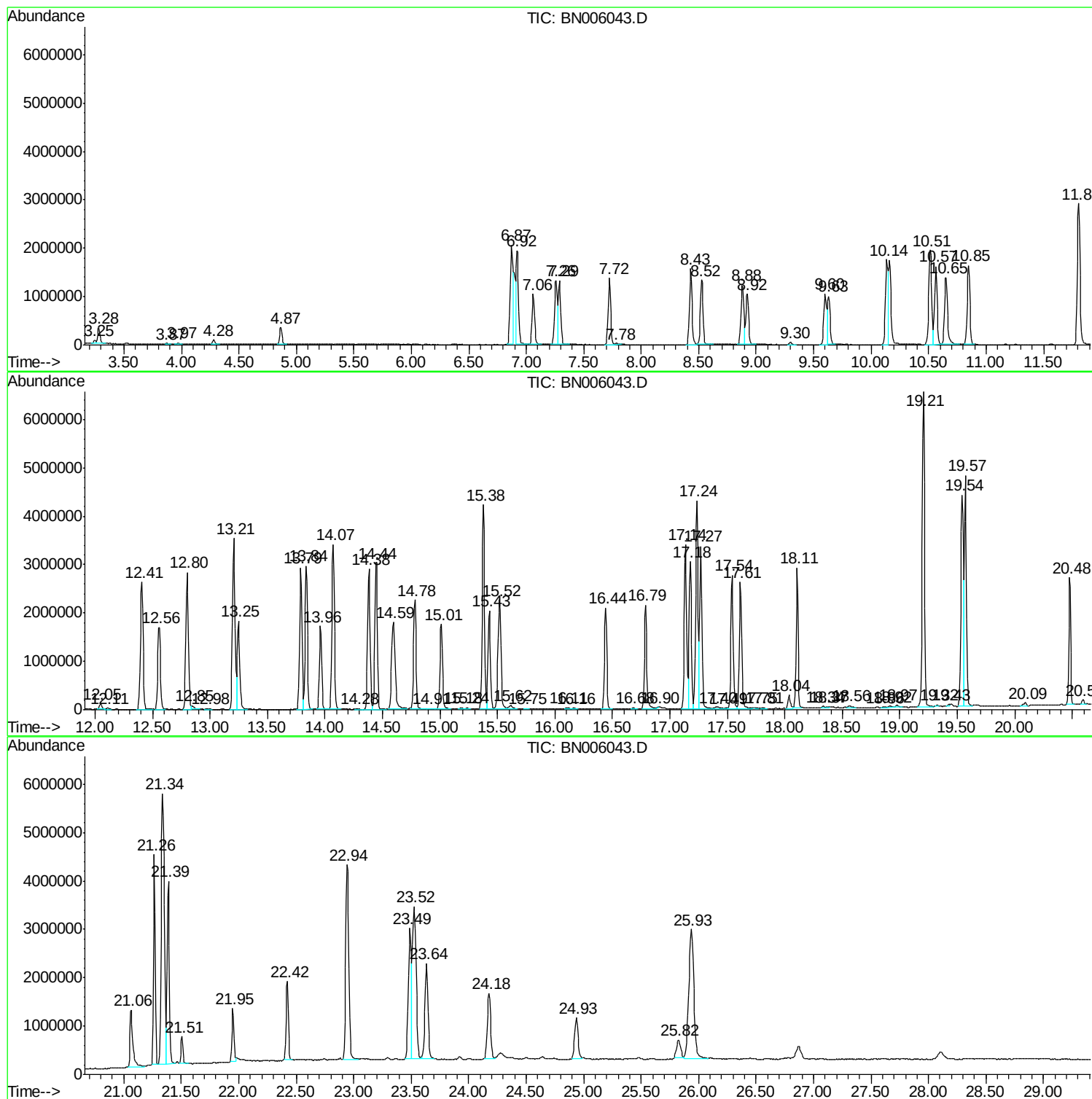
Sum of corrected areas: 239592344

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060319MA.M  
Quant Title : SVOA CALIBRATION

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



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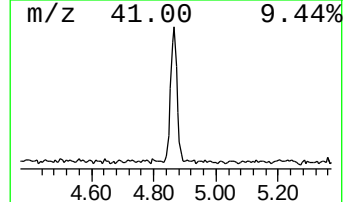
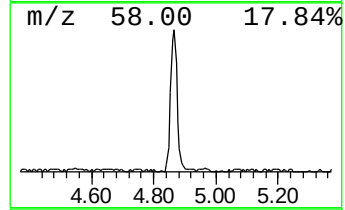
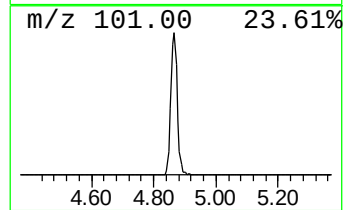
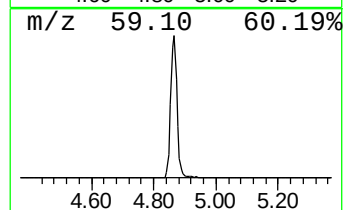
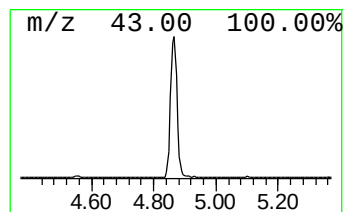
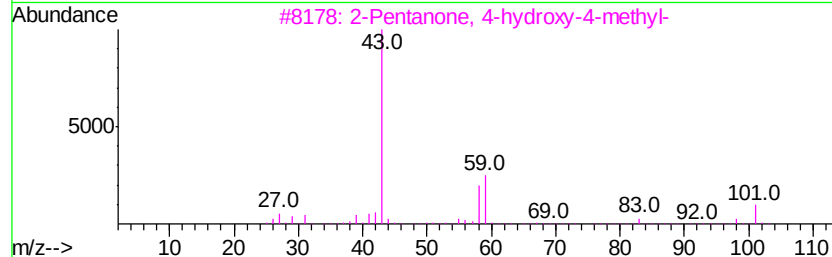
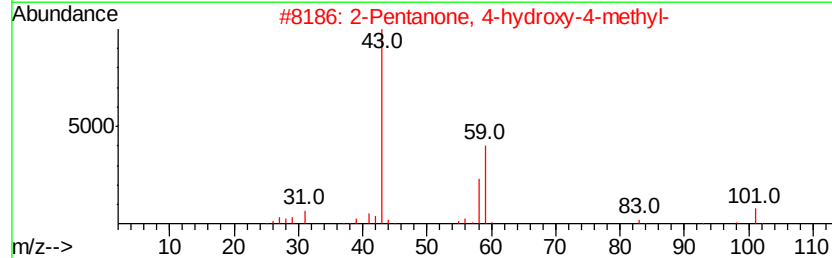
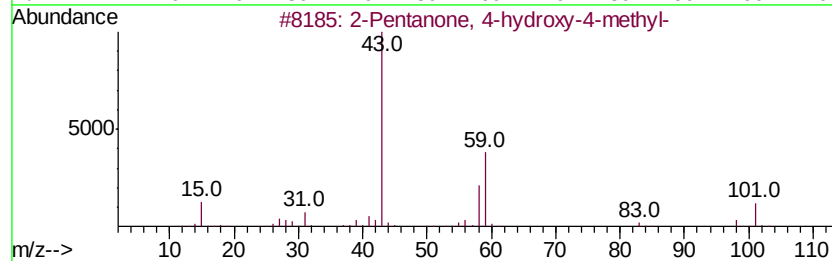
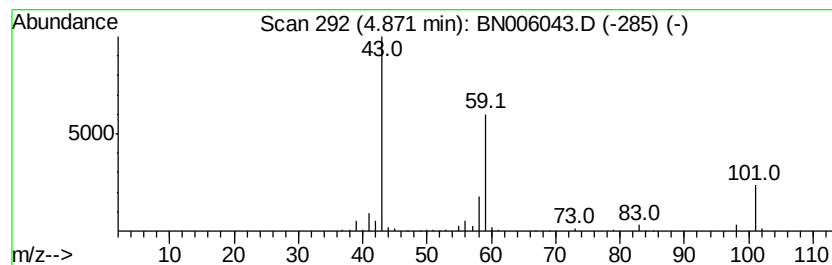
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.87 | 4.72 ng/ul | 508786 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 50      |      |      |
| 3    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 38      |      |      |
| 4    | 2-Hexanol, 2-methyl-             | 116 | C7H16O       | 000625-23-0 | 38      |      |      |
| 5    | 4-Hydroxy-3-hexanone             | 116 | C6H12O2      | 004984-85-4 | 23      |      |      |



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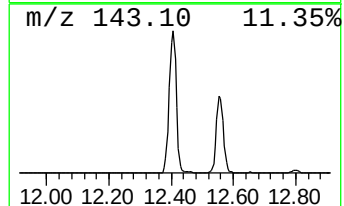
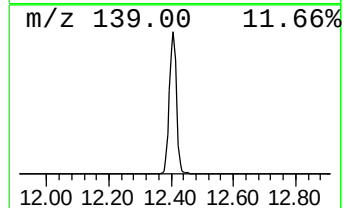
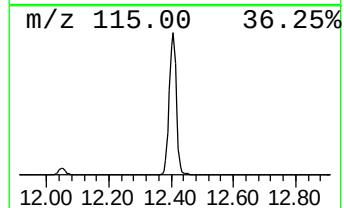
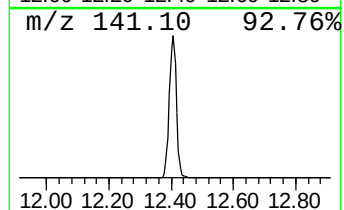
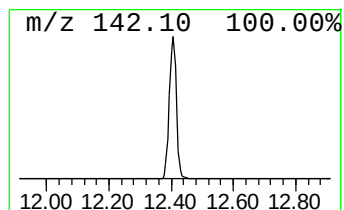
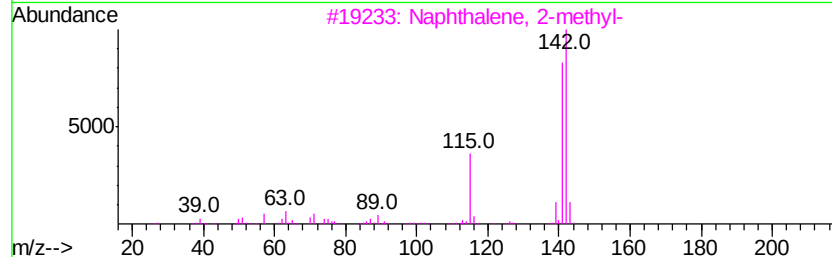
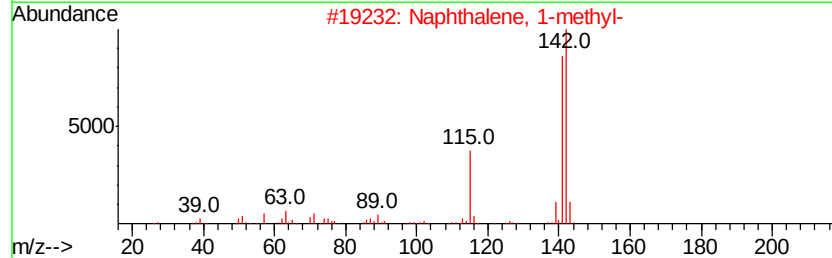
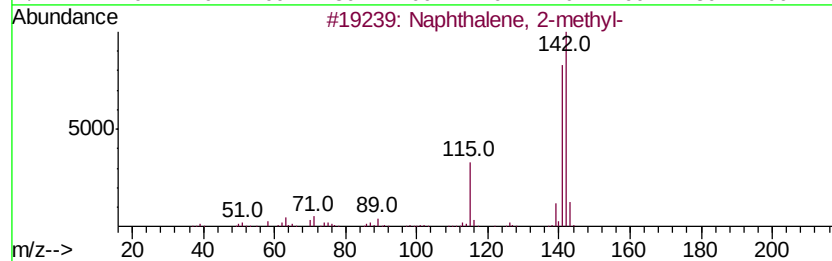
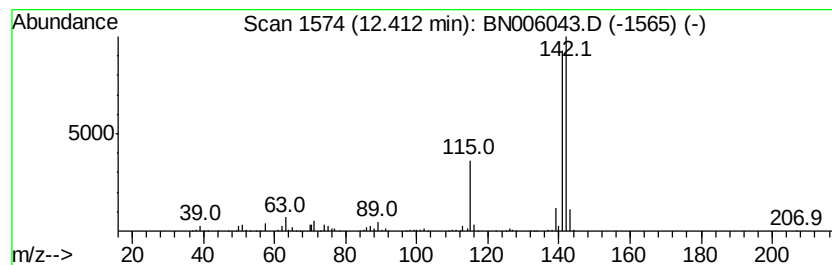
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\*\*\*\*\*  
Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.           |
|---------|-------------|-------------------------------------|------------------|----------------|
| 12.41   | 24.11 ng/ul | 4153420                             | Naphthalene-d8   | 10.51          |
| Hit# of | 5           | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |             | Naphthalene, 2-methyl-              | 142 C11H10       | 000091-57-6 96 |
| 2       |             | Naphthalene, 1-methyl-              | 142 C11H10       | 000090-12-0 96 |
| 3       |             | Naphthalene, 2-methyl-              | 142 C11H10       | 000091-57-6 96 |
| 4       |             | Naphthalene, 1-methyl-              | 142 C11H10       | 000090-12-0 94 |
| 5       |             | 1,4-Methanonaphthalene, 1,4-dihy... | 142 C11H10       | 004453-90-1 91 |



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Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

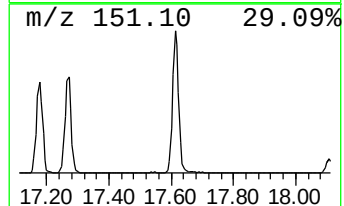
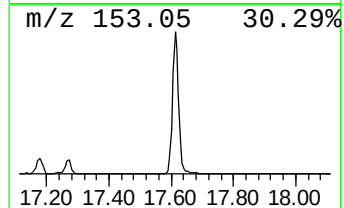
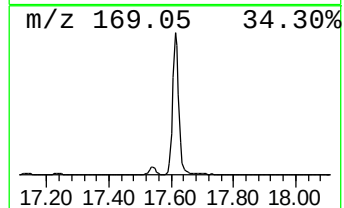
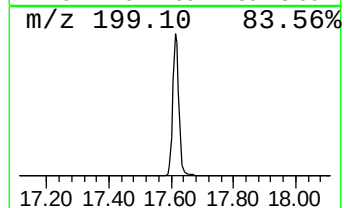
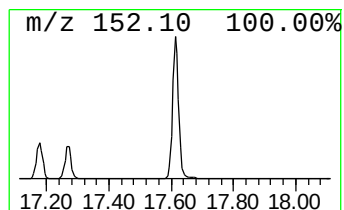
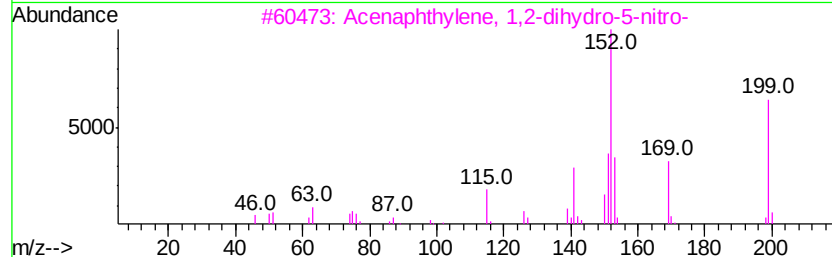
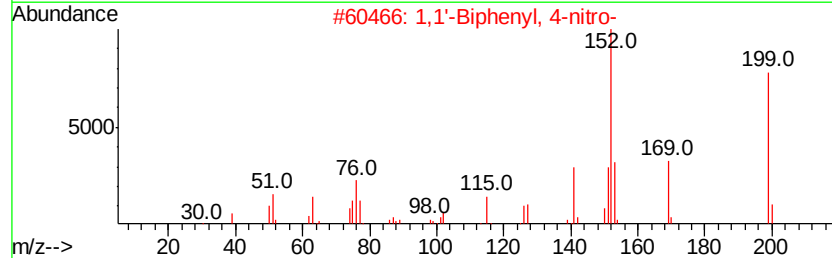
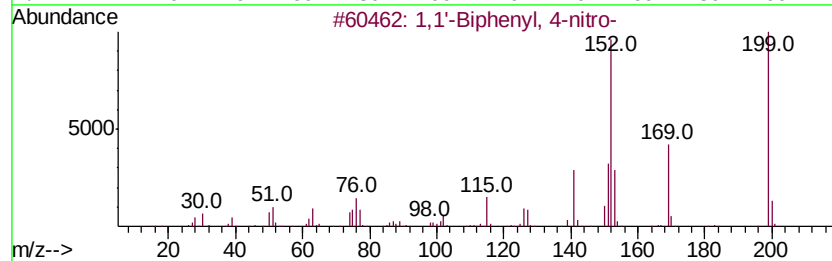
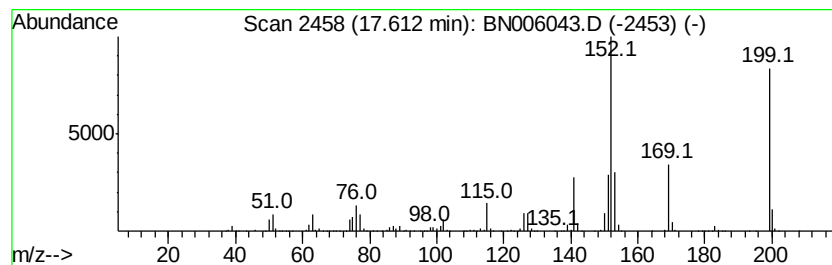
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 1,1'-Biphenyl, 4-nitro- Concentration Rank 2

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.     |             |      |
|---------|-------------|-------------------------------------|------------------|----------|-------------|------|
| 17.61   | 14.50 ng/ul | 3779190                             | Phenanthrene-d10 | 17.14    |             |      |
| Hit# of | 5           | Tentative ID                        | MW               | MolForm  | CAS#        | Qual |
| 1       |             | 1,1'-Biphenyl, 4-nitro-             | 199              | C12H9NO2 | 000092-93-3 | 99   |
| 2       |             | 1,1'-Biphenyl, 4-nitro-             | 199              | C12H9NO2 | 000092-93-3 | 98   |
| 3       |             | Acenaphthylene, 1,2-dihydro-5-ni... | 199              | C12H9NO2 | 000602-87-9 | 94   |
| 4       |             | 1,1'-Biphenyl, 3-nitro-             | 199              | C12H9NO2 | 002113-58-8 | 90   |
| 5       |             | 1,1'-Biphenyl, 3-nitro-             | 199              | C12H9NO2 | 002113-58-8 | 74   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060319MA.M  
Quant Title : SVOA CALIBRATION

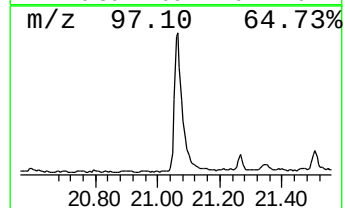
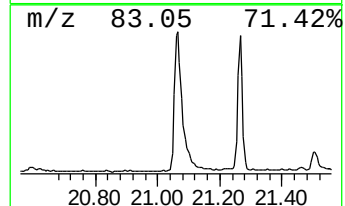
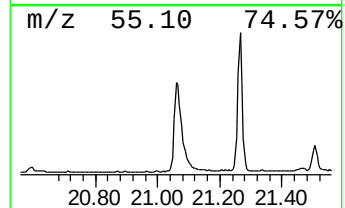
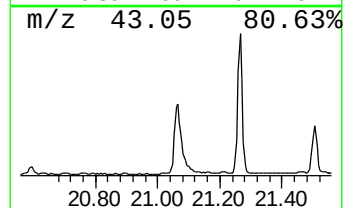
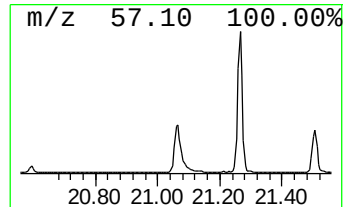
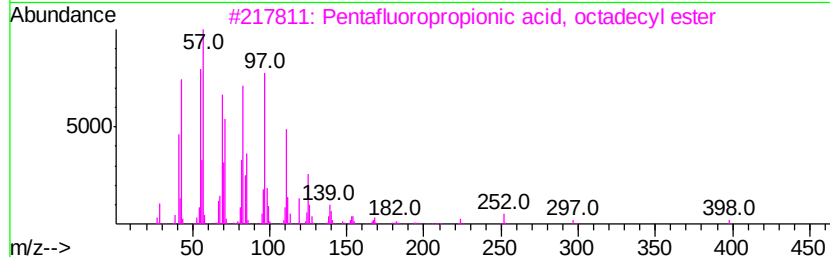
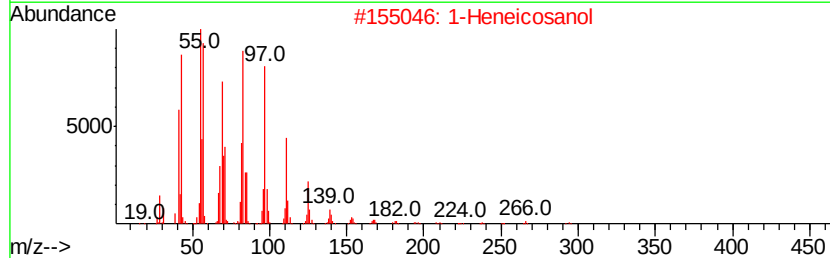
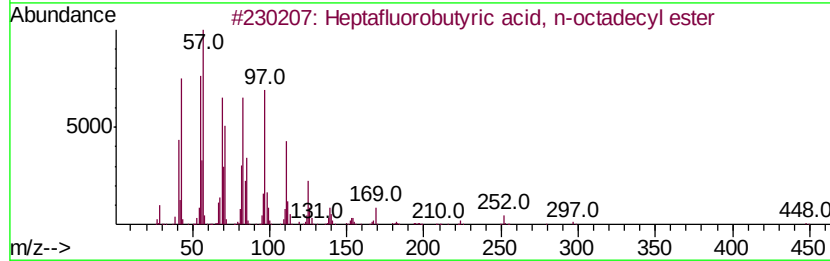
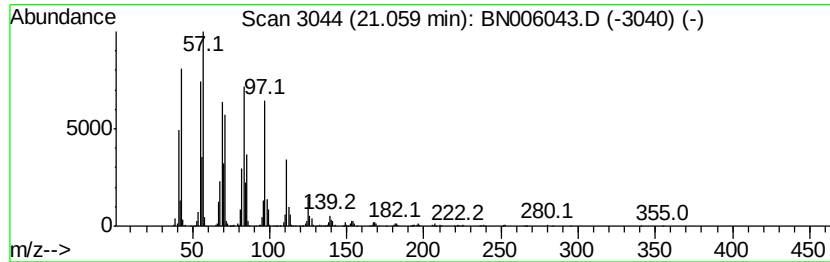
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptafluorobutyric acid, n-... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.06 | 4.11 ng/ul | 2127530 | Chrysene-d12     | 21.35 |

| Hit# of | 5 | Tentative ID                               | MW  | MolForm    | CAS#         | Qual |
|---------|---|--------------------------------------------|-----|------------|--------------|------|
| 1       |   | Heptafluorobutyric acid, n-octadecyl ester | 466 | C22H37F7O2 | 000400-57-7  | 94   |
| 2       |   | 1-Heneicosanol                             | 312 | C21H44O    | 015594-90-8  | 93   |
| 3       |   | Pentafluoropropionic acid, octadecyl ester | 416 | C21H37F5O2 | 959261-25-7  | 91   |
| 4       |   | Eicosyl heptafluorobutyrate                | 494 | C24H41F7O2 | 1000351-83-5 | 91   |
| 5       |   | Eicosyl pentafluoropropionate              | 444 | C23H41F5O2 | 1000351-80-8 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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

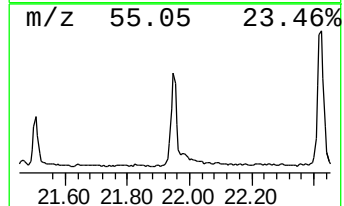
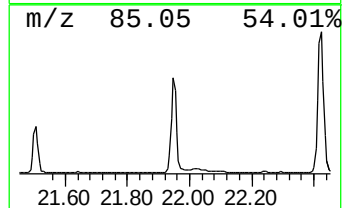
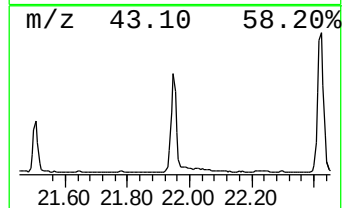
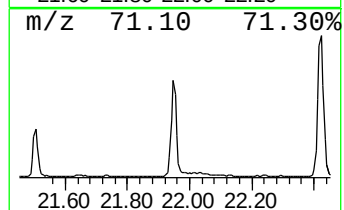
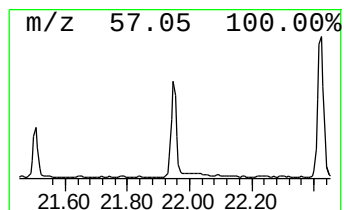
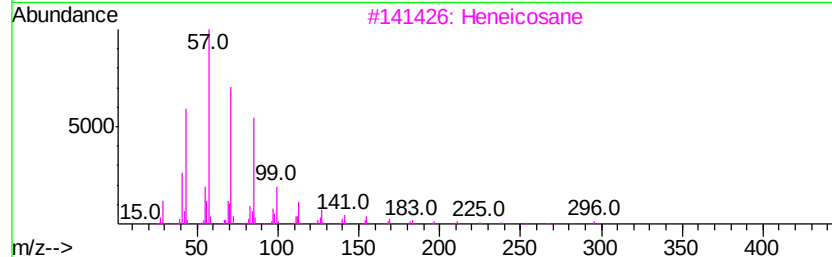
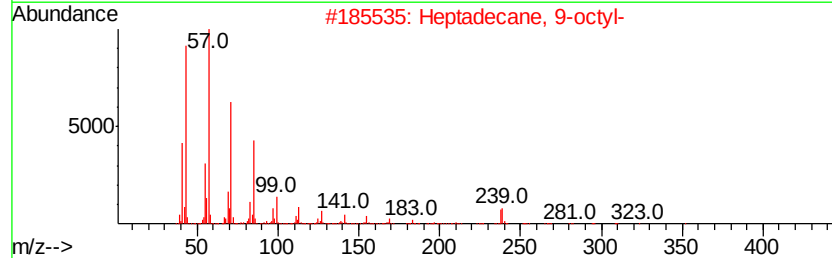
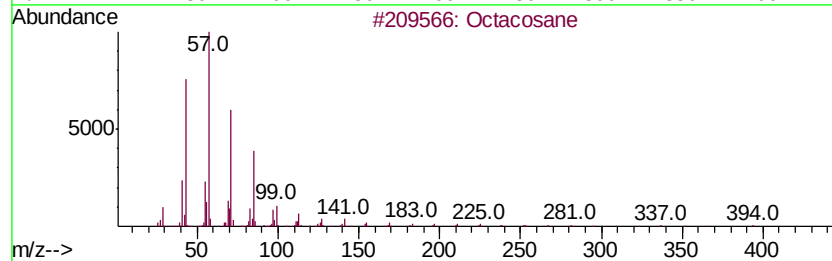
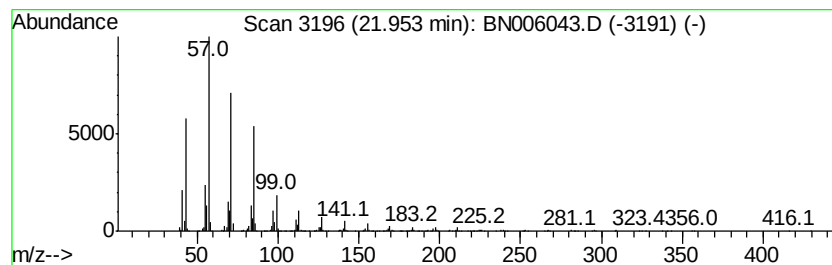
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.95 | 2.55 ng/ul | 1317920 | Chrysene-d12     | 21.35 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Hexadecane            | 226 | C16H34  | 000544-76-3  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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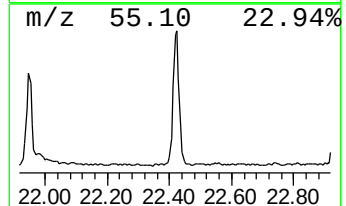
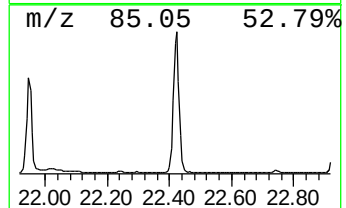
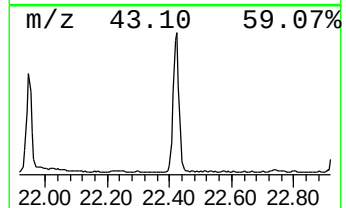
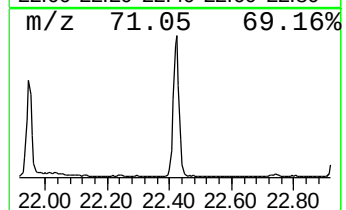
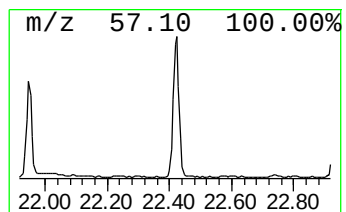
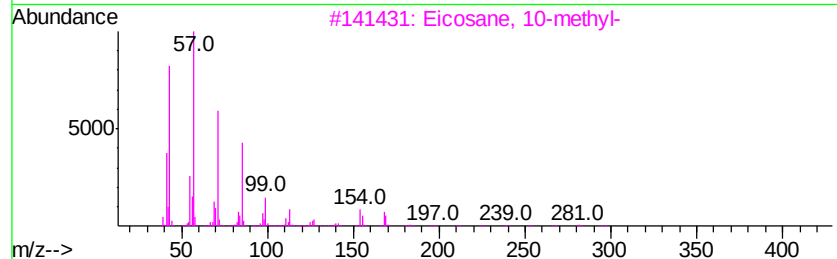
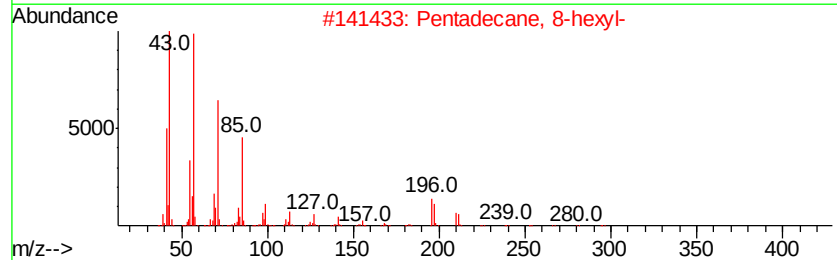
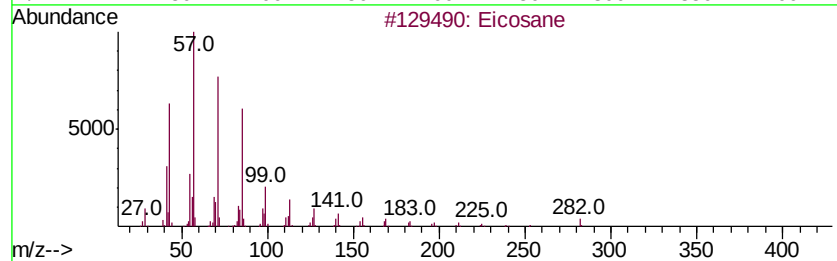
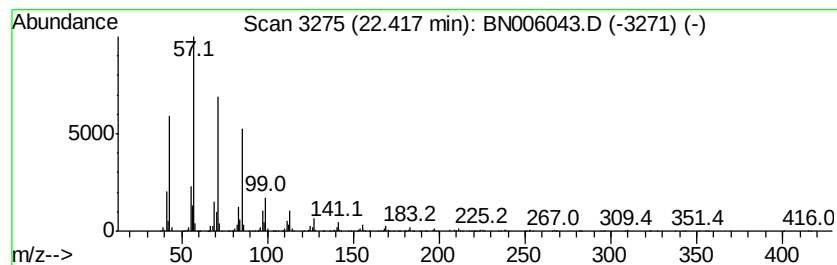
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.42 | 4.13 ng/ul | 2138950 | Chrysene-d12     | 21.35 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8  | 94   |
| 2    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7  | 94   |
| 3    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7  | 93   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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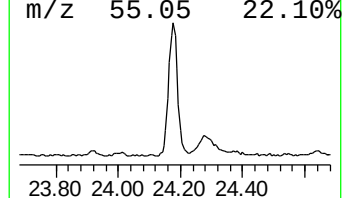
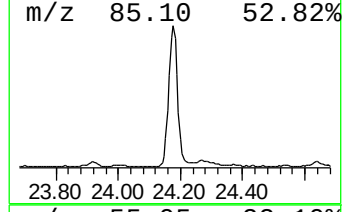
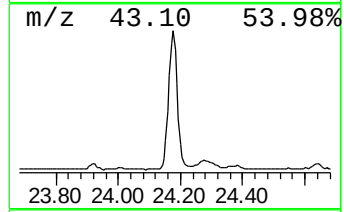
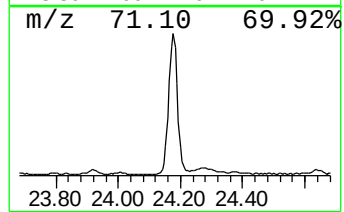
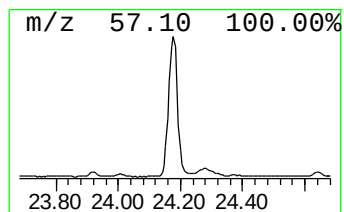
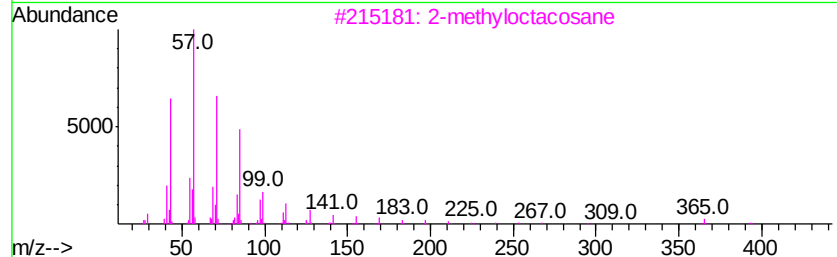
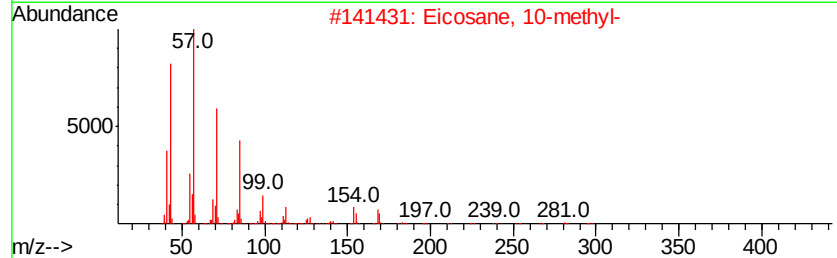
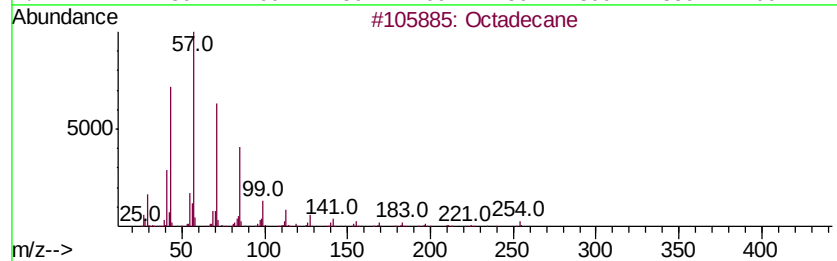
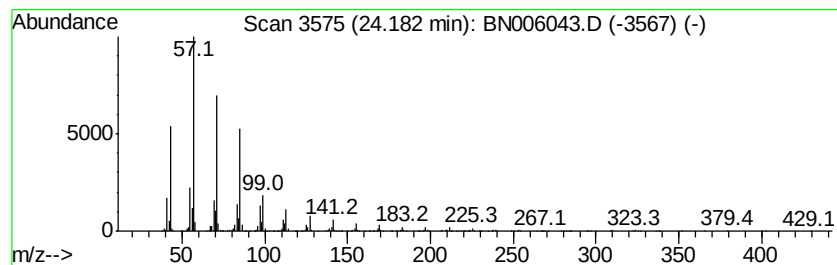
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.18 | 14.05 ng/ul | 2665080 | Perylene-d12     | 23.64 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------|-----|---------|--------------|------|
| 1    | 5  | Octadecane           | 254 | C18H38  | 000593-45-3  | 95   |
| 2    |    | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7  | 93   |
| 3    |    | 2-methyloctacosane   | 408 | C29H60  | 1000376-72-8 | 91   |
| 4    |    | Hexacosane           | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | Heneicosane          | 296 | C21H44  | 000629-94-7  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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

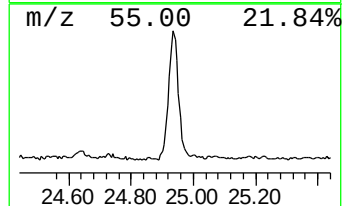
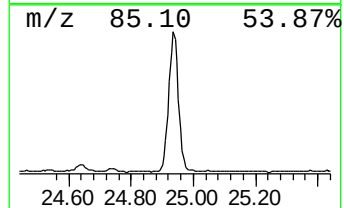
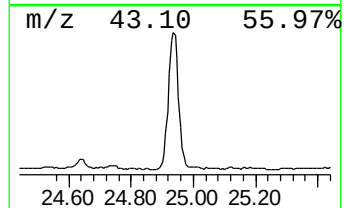
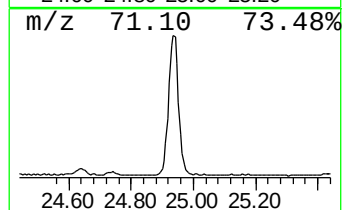
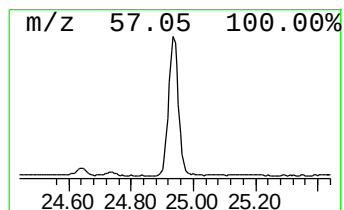
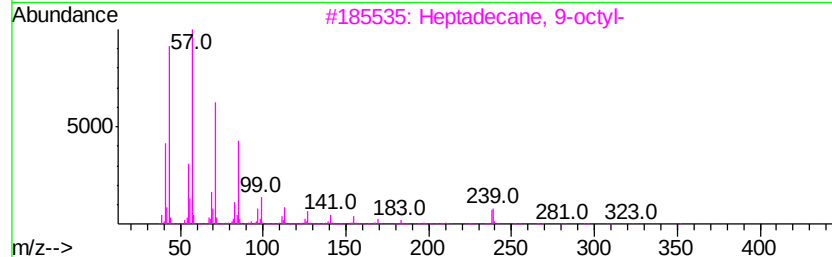
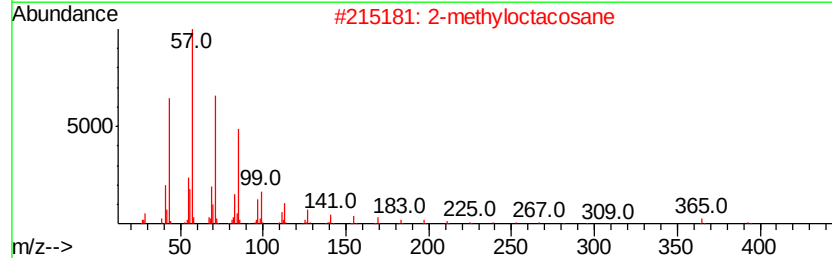
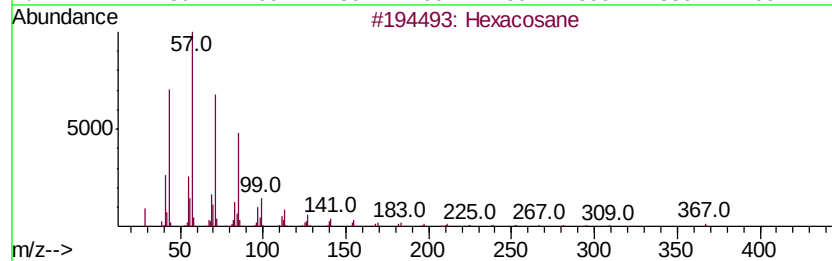
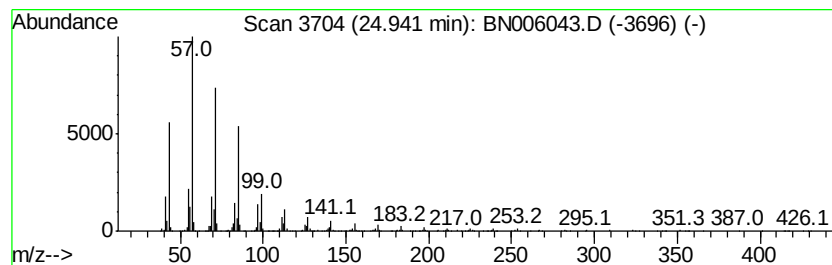
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.94 | 9.49 ng/ul | 1799650 | Perylene-d12     | 23.64 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3  | 91   |
| 2    |    |   | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 4    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    |   | Hentriacontane        | 437 | C31H64  | 000630-04-6  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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

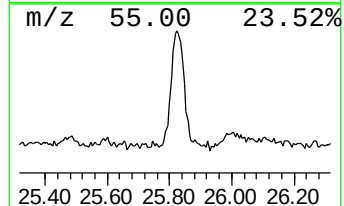
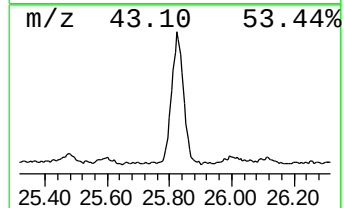
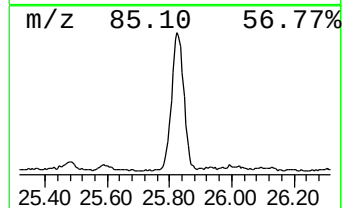
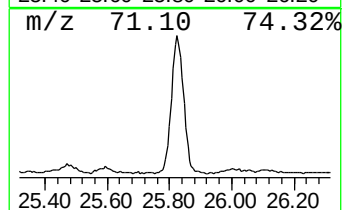
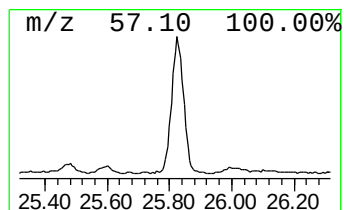
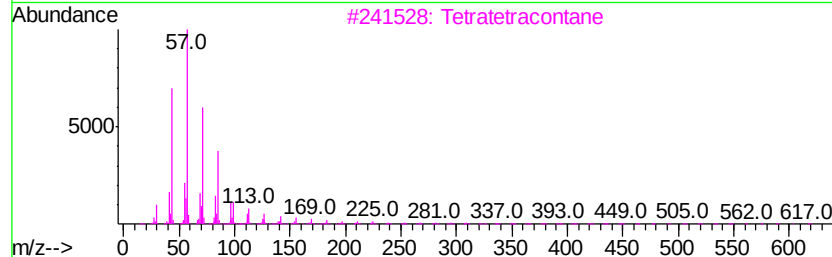
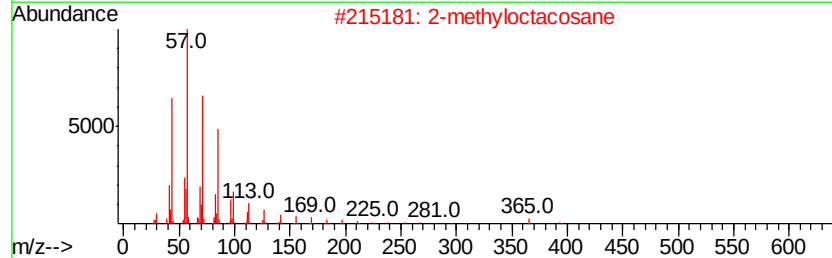
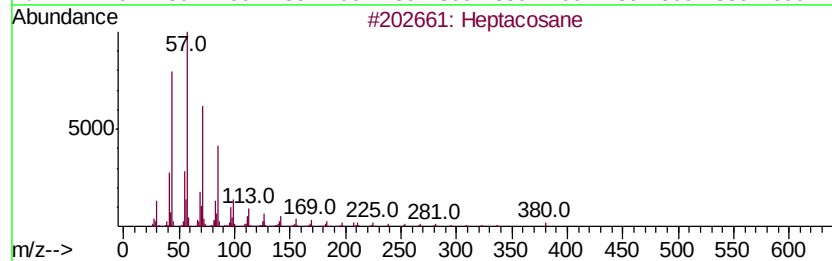
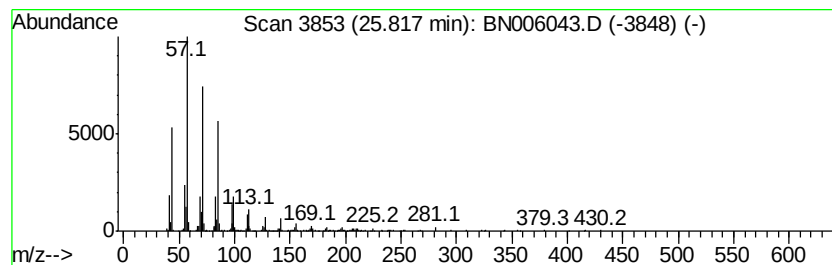
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.82 | 4.68 ng/ul | 888368 | Perylene-d12     | 23.64 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 3    |    |   | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 90   |
| 4    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 5    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN060319\  
Data File : BN006043.D  
Acq On : 03 Jun 2019 18:55  
Operator : JU/SJ  
Sample : K2925-20  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42E9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060319MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |          |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|----------|------|
|                      |       |         |       |          | #                     | RT    | Resp     | Conc |
| 2-Pentanone, 4-hy... | 4.87  | 4.7     | ng/ul | 508786   | 1                     | 7.72  | 2153690  | 20.0 |
| Naphthalene, 1-me... | 12.41 | 24.1    | ng/ul | 4153420  | 2                     | 10.51 | 3445330  | 20.0 |
| 1,1'-Biphenyl, 4-... | 17.61 | 14.5    | ng/ul | 3779190  | 4                     | 17.14 | 5214410  | 20.0 |
| Heptafluorobutyri... | 21.06 | 4.1     | ng/ul | 2127530  | 5                     | 21.35 | 10353800 | 20.0 |
| (DEL) Alkane: Str... | 21.95 | 2.5     | ng/ul | 1317920  | 5                     | 21.35 | 10353800 | 20.0 |
| (DEL) Alkane: Str... | 22.42 | 4.1     | ng/ul | 2138950  | 5                     | 21.35 | 10353800 | 20.0 |
| (DEL) Alkane: Str... | 24.18 | 14.1    | ng/ul | 2665080  | 6                     | 23.64 | 3794280  | 20.0 |
| (DEL) Alkane: Str... | 24.94 | 9.5     | ng/ul | 1799650  | 6                     | 23.64 | 3794280  | 20.0 |
| (DEL) Alkane: Str... | 25.82 | 4.7     | ng/ul | 888368   | 6                     | 23.64 | 3794280  | 20.0 |