

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
 Data File : BM024239.D  
 Acq On : 24 Dec 2019 05:45  
 Operator : JU  
 Sample : K6236-07  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFEZ0

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.993    | 15         | 18       | 33        | rVB   | 72885       | 125153     | 2.05%        | 0.169%     |
| 2      | 3.693    | 134        | 137      | 142       | rVB2  | 11775       | 16539      | 0.27%        | 0.022%     |
| 3      | 5.016    | 358        | 362      | 363       | rBV3  | 5588        | 7752       | 0.13%        | 0.010%     |
| 4      | 6.628    | 630        | 636      | 653       | rVV   | 1110910     | 2063764    | 33.82%       | 2.788%     |
| 5      | 6.781    | 657        | 662      | 682       | rVB   | 951176      | 1575393    | 25.81%       | 2.128%     |
| 6      | 6.969    | 687        | 694      | 707       | rBV   | 1216593     | 2000984    | 32.79%       | 2.703%     |
| 7      | 7.428    | 766        | 772      | 783       | rBV   | 1053443     | 1680246    | 27.53%       | 2.270%     |
| 8      | 7.516    | 783        | 787      | 795       | rVB2  | 30264       | 54270      | 0.89%        | 0.073%     |
| 9      | 8.151    | 888        | 895      | 916       | rBV   | 1384719     | 2372557    | 38.88%       | 3.205%     |
| 10     | 8.581    | 962        | 968      | 990       | rBV   | 1110195     | 1928480    | 31.60%       | 2.605%     |
| 11     | 8.769    | 995        | 1000     | 1005      | rVB6  | 11308       | 22721      | 0.37%        | 0.031%     |
| 12     | 9.016    | 1037       | 1042     | 1048      | rVB   | 27212       | 42574      | 0.70%        | 0.058%     |
| 13     | 9.298    | 1083       | 1090     | 1111      | rBV   | 929158      | 1612848    | 26.43%       | 2.179%     |
| 14     | 9.834    | 1175       | 1181     | 1200      | rBV   | 1297780     | 2439191    | 39.97%       | 3.295%     |
| 15     | 10.198   | 1233       | 1243     | 1252      | rBV   | 1496159     | 2494620    | 40.88%       | 3.370%     |
| 16     | 10.269   | 1252       | 1255     | 1262      | rVB7  | 7773        | 15733      | 0.26%        | 0.021%     |
| 17     | 10.351   | 1262       | 1269     | 1291      | rBV   | 1200139     | 2428598    | 39.79%       | 3.280%     |
| 18     | 11.816   | 1512       | 1518     | 1528      | rBV2  | 13392       | 30253      | 0.50%        | 0.041%     |
| 19     | 12.933   | 1703       | 1708     | 1711      | rBV6  | 5961        | 9944       | 0.16%        | 0.013%     |
| 20     | 13.516   | 1801       | 1807     | 1812      | rBV   | 2530053     | 3637247    | 59.60%       | 4.913%     |
| 21     | 13.569   | 1812       | 1816     | 1825      | rVV   | 359854      | 556876     | 9.12%        | 0.752%     |
| 22     | 13.627   | 1825       | 1826     | 1834      | rVB4  | 4325        | 6725       | 0.11%        | 0.009%     |
| 23     | 13.780   | 1846       | 1852     | 1868      | rBV   | 3144856     | 4442852    | 72.80%       | 6.001%     |
| 24     | 14.022   | 1887       | 1893     | 1898      | rVB7  | 6495        | 8610       | 0.14%        | 0.012%     |
| 25     | 14.092   | 1898       | 1905     | 1917      | rBV   | 2365240     | 3360877    | 55.07%       | 4.540%     |
| 26     | 14.345   | 1942       | 1948     | 1966      | rBV   | 458385      | 1152243    | 18.88%       | 1.556%     |
| 27     | 14.551   | 1979       | 1983     | 1988      | rVB6  | 16383       | 23066      | 0.38%        | 0.031%     |
| 28     | 14.927   | 2043       | 2047     | 2050      | rBV5  | 4146        | 7415       | 0.12%        | 0.010%     |
| 29     | 14.980   | 2053       | 2056     | 2059      | rVB4  | 9738        | 9716       | 0.16%        | 0.013%     |
| 30     | 15.098   | 2069       | 2076     | 2089      | rBV   | 3762484     | 5521444    | 90.47%       | 7.458%     |
| 31     | 15.245   | 2096       | 2101     | 2113      | rBV   | 811699      | 1299206    | 21.29%       | 1.755%     |
| 32     | 15.339   | 2113       | 2117     | 2123      | rVB2  | 42996       | 67698      | 1.11%        | 0.091%     |
| 33     | 15.539   | 2149       | 2151     | 2157      | rVB6  | 7420        | 9718       | 0.16%        | 0.013%     |
| 34     | 15.674   | 2167       | 2174     | 2177      | rBV8  | 6624        | 13920      | 0.23%        | 0.019%     |

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Max Peaks: 100  
Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.851 | 2198 | 2204 | 2206 | rBV5 | 11626   | 14829   | 0.24%   | 0.020% |
| 36 | 15.886 | 2206 | 2210 | 2214 | rVB6 | 13838   | 22422   | 0.37%   | 0.030% |
| 37 | 16.533 | 2317 | 2320 | 2324 | rVB6 | 5999    | 7656    | 0.13%   | 0.010% |
| 38 | 16.645 | 2335 | 2339 | 2343 | rBV3 | 16626   | 24526   | 0.40%   | 0.033% |
| 39 | 16.851 | 2368 | 2374 | 2384 | rBV  | 2688103 | 3771386 | 61.80%  | 5.094% |
| 40 | 16.951 | 2384 | 2391 | 2409 | rVV  | 3954810 | 5631771 | 92.28%  | 7.607% |
| 41 | 17.074 | 2409 | 2412 | 2416 | rVB5 | 11076   | 15037   | 0.25%   | 0.020% |
| 42 | 17.268 | 2440 | 2445 | 2452 | rVB7 | 23004   | 43953   | 0.72%   | 0.059% |
| 43 | 17.374 | 2461 | 2463 | 2467 | rVB4 | 6201    | 6140    | 0.10%   | 0.008% |
| 44 | 17.657 | 2506 | 2511 | 2513 | rBV5 | 6397    | 9708    | 0.16%   | 0.013% |
| 45 | 17.774 | 2526 | 2531 | 2541 | rBV2 | 165224  | 276175  | 4.53%   | 0.373% |
| 46 | 18.068 | 2579 | 2581 | 2586 | rVB5 | 8085    | 11501   | 0.19%   | 0.016% |
| 47 | 18.209 | 2601 | 2605 | 2610 | rBV5 | 25967   | 32969   | 0.54%   | 0.045% |
| 48 | 18.592 | 2666 | 2670 | 2671 | rBV4 | 7011    | 8452    | 0.14%   | 0.011% |
| 49 | 18.815 | 2705 | 2708 | 2710 | rBV4 | 11034   | 12719   | 0.21%   | 0.017% |
| 50 | 18.892 | 2717 | 2721 | 2726 | rBV2 | 38632   | 60534   | 0.99%   | 0.082% |
| 51 | 19.074 | 2748 | 2752 | 2760 | rBV6 | 35093   | 64444   | 1.06%   | 0.087% |
| 52 | 19.145 | 2760 | 2764 | 2768 | rVV  | 37556   | 53083   | 0.87%   | 0.072% |
| 53 | 19.256 | 2777 | 2783 | 2796 | rBV  | 4350578 | 6103022 | 100.00% | 8.244% |
| 54 | 20.803 | 3042 | 3046 | 3059 | rBV  | 982607  | 1485158 | 24.33%  | 2.006% |
| 55 | 21.068 | 3086 | 3091 | 3100 | rBV  | 2830041 | 3853764 | 63.15%  | 5.205% |
| 56 | 21.245 | 3118 | 3121 | 3125 | rBV2 | 129622  | 161069  | 2.64%   | 0.218% |
| 57 | 21.668 | 3190 | 3193 | 3203 | rBV3 | 174035  | 270758  | 4.44%   | 0.366% |
| 58 | 22.103 | 3264 | 3267 | 3272 | rVB  | 266033  | 321826  | 5.27%   | 0.435% |
| 59 | 22.580 | 3345 | 3348 | 3353 | rVB  | 311101  | 410604  | 6.73%   | 0.555% |
| 60 | 23.062 | 3423 | 3430 | 3435 | rBV  | 3369665 | 5907290 | 96.79%  | 7.979% |
| 61 | 23.191 | 3446 | 3452 | 3463 | rVB  | 2216659 | 3920008 | 64.23%  | 5.295% |
| 62 | 23.715 | 3537 | 3541 | 3548 | rVB  | 304827  | 493306  | 8.08%   | 0.666% |

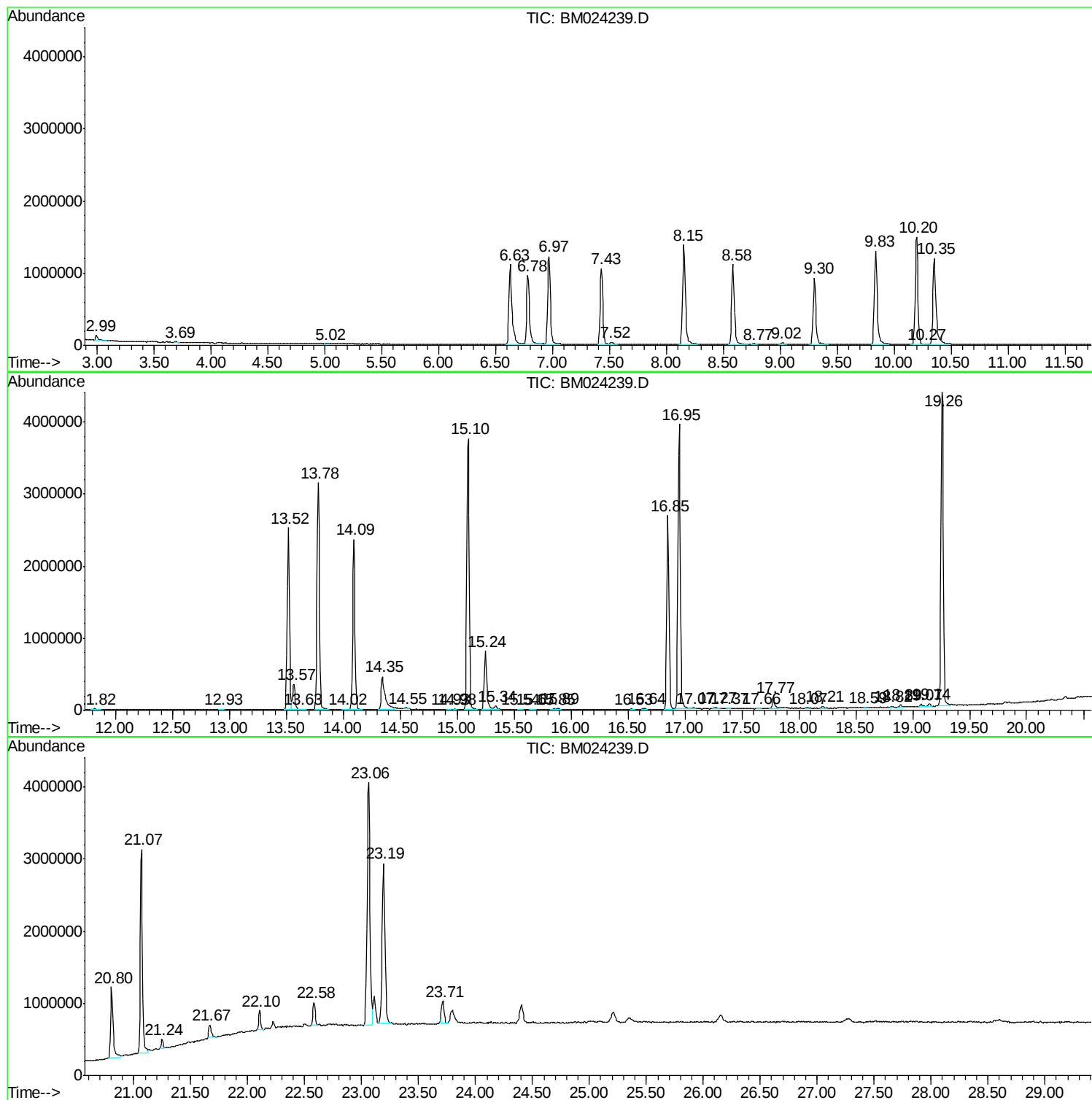
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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

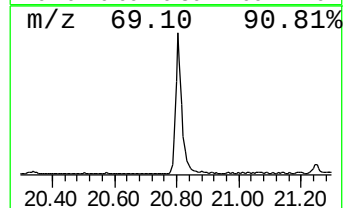
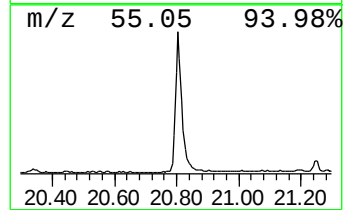
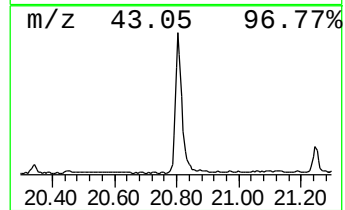
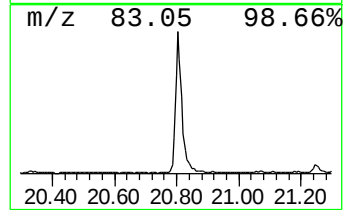
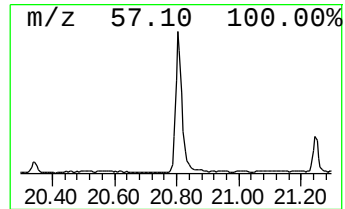
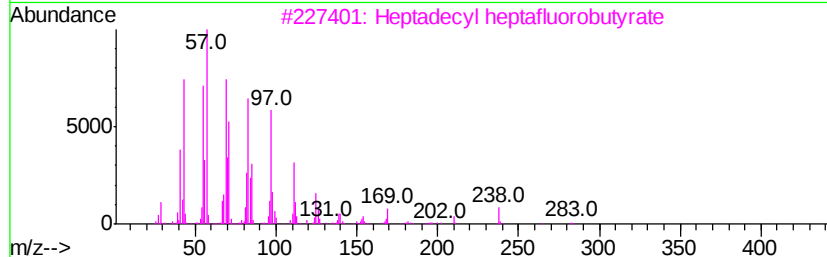
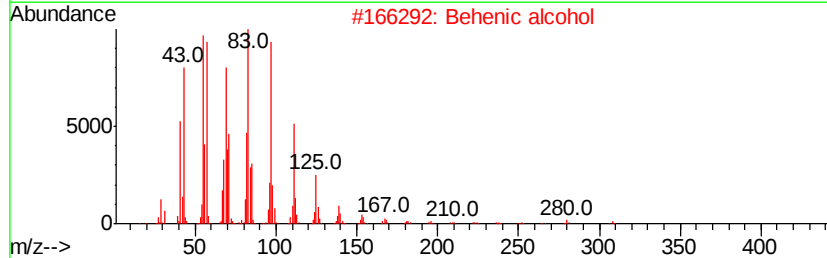
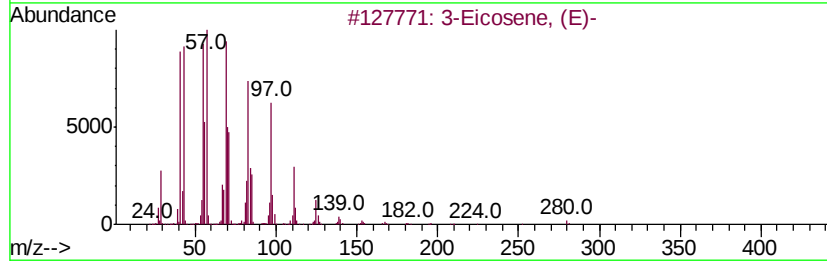
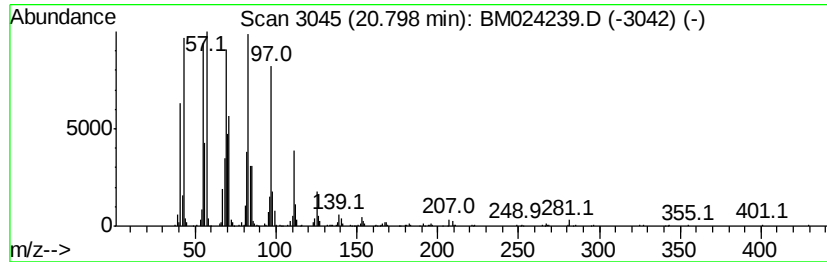
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic20.80 Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.80 | 7.71 ng/ul | 1485160 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 99   |
| 2    |    | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8 | 91   |
| 3    |    | Heptadecyl heptafluorobutvrate      | 452 | C21H35F7O2  | 959085-66-6 | 91   |
| 4    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2  | 006222-06-6 | 91   |
| 5    |    | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

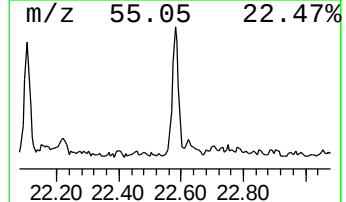
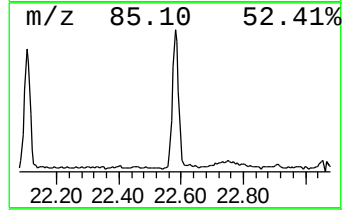
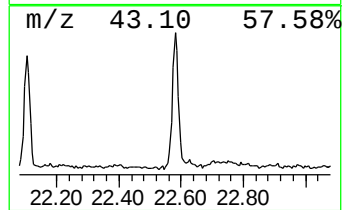
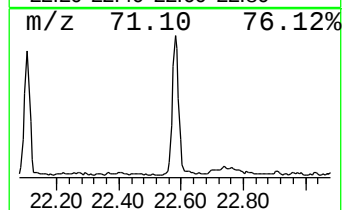
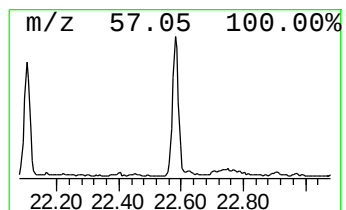
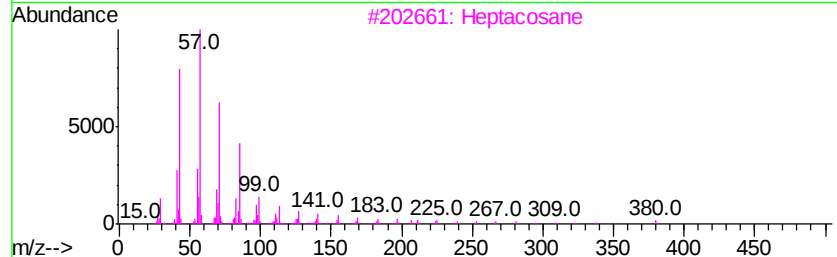
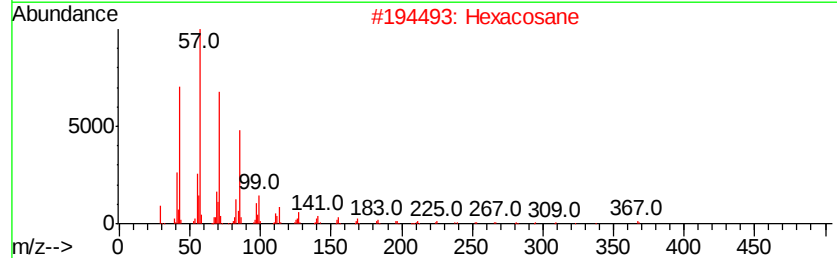
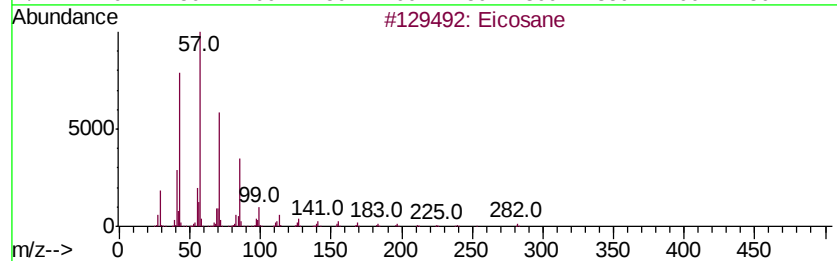
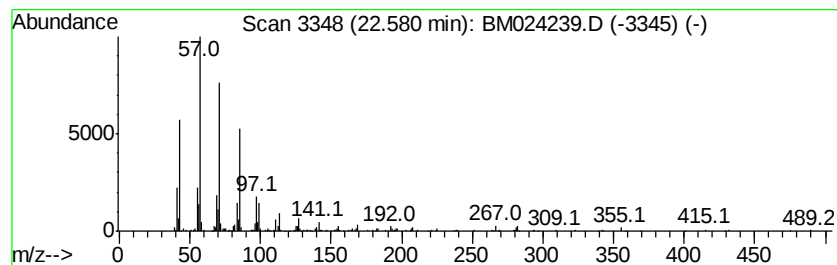
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.58 | 2.09 ng/ul | 410604 | Perylene-d12     | 23.19 |

| Hit# | of | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane        | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Hexacosane      | 366 | C26H54  | 000630-01-3 | 91   |
| 3    |    | Heptacosane     | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Hexatriacontane | 507 | C36H74  | 000630-06-8 | 91   |
| 5    |    | Octacosane      | 394 | C28H58  | 000630-02-4 | 90   |



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Quant Title : SVOA CALIBRATION

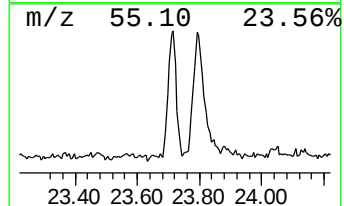
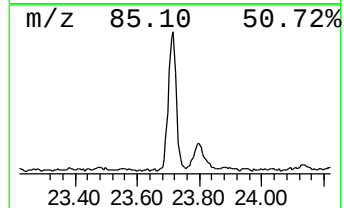
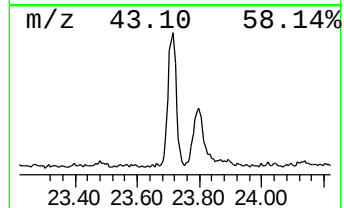
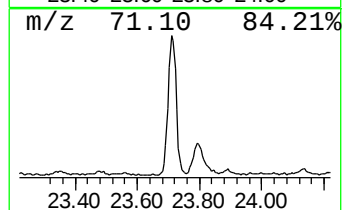
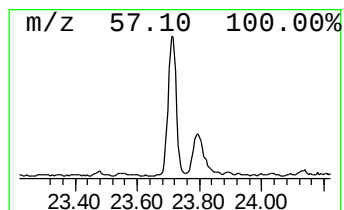
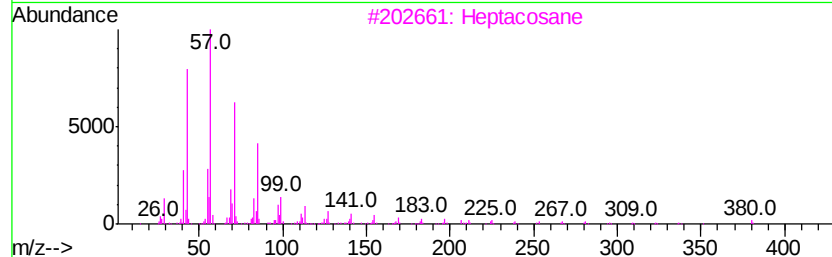
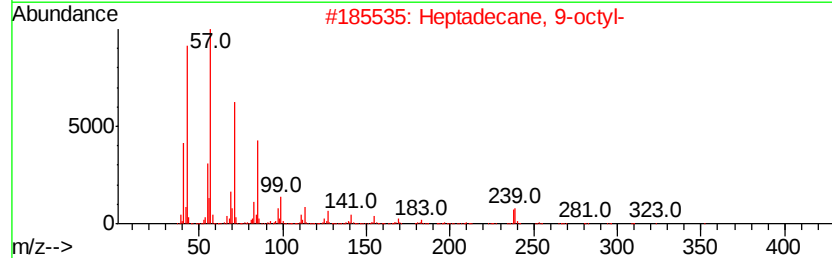
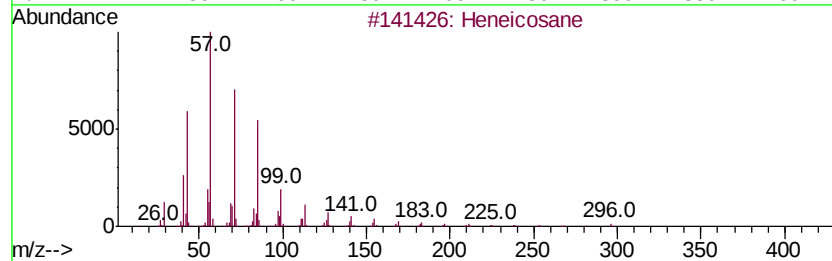
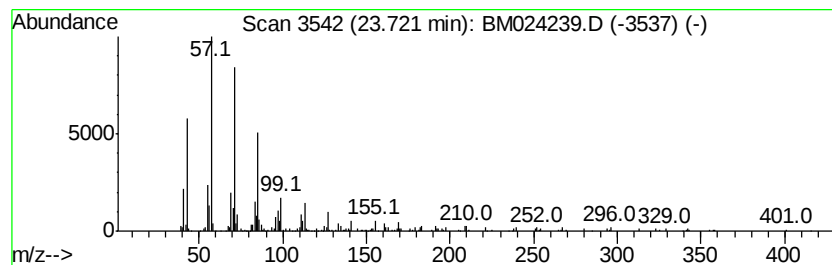
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.72 | 2.52 ng/ul | 493306 | Perylene-d12     | 23.19 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 96   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



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Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.80 | 7.7     | ng/ul | 1485160  | 5                     | 21.07 | 3853760 | 20.0 |
| (DEL) Alkane: Str... | 22.58 | 2.1     | ng/ul | 410604   | 6                     | 23.19 | 3920010 | 20.0 |
| (DEL) Alkane: Str... | 23.72 | 2.5     | ng/ul | 493306   | 6                     | 23.19 | 3920010 | 20.0 |