

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052119\  
 Data File : BN005834.D  
 Acq On : 21 May 2019 20:43  
 Operator : JU/SJ  
 Sample : K2693-14  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFHE5

## 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         | 6.775       | 639           | 644         | 659          | rBV4     | 37323          | 112803        | 9.40%           | 1.297%        |
| 2         | 6.916       | 665           | 668         | 678          | rVB2     | 39240          | 67561         | 5.63%           | 0.777%        |
| 3         | 7.111       | 697           | 701         | 708          | rBV2     | 50735          | 88139         | 7.35%           | 1.013%        |
| 4         | 7.563       | 773           | 778         | 790          | rVB      | 127907         | 254605        | 21.22%          | 2.928%        |
| 5         | 8.299       | 898           | 903         | 916          | rVB2     | 46450          | 102117        | 8.51%           | 1.174%        |
| 6         | 8.728       | 971           | 976         | 988          | rBV2     | 54929          | 106197        | 8.85%           | 1.221%        |
| 7         | 9.446       | 1093          | 1098        | 1108         | rBV2     | 37129          | 78579         | 6.55%           | 0.904%        |
| 8         | 10.005      | 1188          | 1193        | 1208         | rBV3     | 31572          | 100895        | 8.41%           | 1.160%        |
| 9         | 10.328      | 1242          | 1248        | 1258         | rBV      | 190611         | 361394        | 30.12%          | 4.156%        |
| 10        | 10.516      | 1274          | 1280        | 1291         | rBV5     | 23342          | 72347         | 6.03%           | 0.832%        |
| 11        | 13.628      | 1803          | 1809        | 1814         | rBV      | 138109         | 237132        | 19.76%          | 2.727%        |
| 12        | 13.675      | 1814          | 1817        | 1826         | rVB      | 33791          | 61073         | 5.09%           | 0.702%        |
| 13        | 13.898      | 1849          | 1855        | 1861         | rBV      | 170841         | 270480        | 22.54%          | 3.110%        |
| 14        | 13.987      | 1868          | 1870        | 1873         | rVB3     | 1817           | 1607          | 0.13%           | 0.018%        |
| 15        | 14.093      | 1885          | 1888        | 1891         | rBV3     | 3064           | 4074          | 0.34%           | 0.047%        |
| 16        | 14.204      | 1901          | 1907        | 1921         | rVV2     | 337280         | 540222        | 45.02%          | 6.212%        |
| 17        | 14.522      | 1954          | 1961        | 1967         | rBV5     | 12015          | 33512         | 2.79%           | 0.385%        |
| 18        | 14.716      | 1992          | 1994        | 1999         | rVB2     | 1497           | 1864          | 0.16%           | 0.021%        |
| 19        | 15.081      | 2053          | 2056        | 2060         | rVB2     | 1204           | 1348          | 0.11%           | 0.016%        |
| 20        | 15.210      | 2072          | 2078        | 2088         | rBV      | 201393         | 358630        | 29.89%          | 4.124%        |
| 21        | 15.275      | 2088          | 2089        | 2092         | rVB      | 2001           | 1511          | 0.13%           | 0.017%        |
| 22        | 15.310      | 2092          | 2095        | 2099         | rBV2     | 1114           | 1602          | 0.13%           | 0.018%        |
| 23        | 15.392      | 2106          | 2109        | 2114         | rBV2     | 13390          | 19912         | 1.66%           | 0.229%        |
| 24        | 15.463      | 2119          | 2121        | 2125         | rVB3     | 1811           | 1742          | 0.15%           | 0.020%        |
| 25        | 15.940      | 2200          | 2202        | 2205         | rBV      | 2256           | 1776          | 0.15%           | 0.020%        |
| 26        | 16.110      | 2228          | 2231        | 2234         | rBV      | 750            | 1384          | 0.12%           | 0.016%        |
| 27        | 16.334      | 2267          | 2269        | 2273         | rBV2     | 1104           | 1388          | 0.12%           | 0.016%        |
| 28        | 16.392      | 2277          | 2279        | 2283         | rVV2     | 779            | 1431          | 0.12%           | 0.016%        |
| 29        | 16.487      | 2291          | 2295        | 2297         | rVB      | 1021           | 1234          | 0.10%           | 0.014%        |
| 30        | 16.963      | 2370          | 2376        | 2387         | rBV2     | 497714         | 709418        | 59.13%          | 8.157%        |
| 31        | 17.069      | 2387          | 2394        | 2411         | rVB2     | 225614         | 401261        | 33.44%          | 4.614%        |
| 32        | 17.304      | 2430          | 2434        | 2436         | rVB3     | 1115           | 1360          | 0.11%           | 0.016%        |
| 33        | 17.875      | 2523          | 2531        | 2541         | rBV5     | 23182          | 49434         | 4.12%           | 0.568%        |
| 34        | 17.939      | 2541          | 2542        | 2545         | rVB3     | 3532           | 3135          | 0.26%           | 0.036%        |

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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-BN051819MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 18.098 | 2567 | 2569 | 2575 | rBV4 | 1067   | 1200    | 0.10%  | 0.014%  |
| 36 | 18.163 | 2577 | 2580 | 2586 | rVB5 | 2119   | 4368    | 0.36%  | 0.050%  |
| 37 | 18.204 | 2586 | 2587 | 2592 | rBV  | 1389   | 2295    | 0.19%  | 0.026%  |
| 38 | 18.281 | 2597 | 2600 | 2602 | rBV3 | 2051   | 2317    | 0.19%  | 0.027%  |
| 39 | 18.304 | 2602 | 2604 | 2606 | rVB2 | 1652   | 1216    | 0.10%  | 0.014%  |
| 40 | 18.381 | 2614 | 2617 | 2618 | rBV2 | 1518   | 1544    | 0.13%  | 0.018%  |
| 41 | 18.551 | 2643 | 2646 | 2647 | rVB  | 1288   | 1229    | 0.10%  | 0.014%  |
| 42 | 18.628 | 2656 | 2659 | 2661 | rBV2 | 2079   | 1569    | 0.13%  | 0.018%  |
| 43 | 18.651 | 2661 | 2663 | 2666 | rVB2 | 1963   | 1481    | 0.12%  | 0.017%  |
| 44 | 18.704 | 2669 | 2672 | 2675 | rBV2 | 1334   | 1616    | 0.13%  | 0.019%  |
| 45 | 18.798 | 2687 | 2688 | 2690 | rBV2 | 1501   | 1243    | 0.10%  | 0.014%  |
| 46 | 18.833 | 2692 | 2694 | 2699 | rVB2 | 1239   | 1611    | 0.13%  | 0.019%  |
| 47 | 18.886 | 2702 | 2703 | 2705 | rVB  | 2307   | 1328    | 0.11%  | 0.015%  |
| 48 | 18.928 | 2705 | 2710 | 2711 | rBV3 | 1635   | 2161    | 0.18%  | 0.025%  |
| 49 | 19.022 | 2723 | 2726 | 2730 | rVV2 | 3675   | 4978    | 0.41%  | 0.057%  |
| 50 | 19.057 | 2730 | 2732 | 2734 | rVV  | 2114   | 2425    | 0.20%  | 0.028%  |
| 51 | 19.175 | 2748 | 2752 | 2758 | rBV4 | 14213  | 24764   | 2.06%  | 0.285%  |
| 52 | 19.275 | 2766 | 2769 | 2770 | rBV2 | 2620   | 2468    | 0.21%  | 0.028%  |
| 53 | 19.381 | 2781 | 2787 | 2802 | rBV  | 375234 | 580044  | 48.34% | 6.670%  |
| 54 | 19.510 | 2808 | 2809 | 2812 | rBV3 | 2067   | 1889    | 0.16%  | 0.022%  |
| 55 | 19.639 | 2829 | 2831 | 2834 | rVB3 | 2619   | 2204    | 0.18%  | 0.025%  |
| 56 | 19.692 | 2838 | 2840 | 2841 | rBV2 | 2111   | 1401    | 0.12%  | 0.016%  |
| 57 | 19.722 | 2843 | 2845 | 2847 | rVB2 | 2294   | 1581    | 0.13%  | 0.018%  |
| 58 | 19.739 | 2847 | 2848 | 2849 | rBV  | 2180   | 1248    | 0.10%  | 0.014%  |
| 59 | 19.916 | 2876 | 2878 | 2879 | rBV2 | 3243   | 1968    | 0.16%  | 0.023%  |
| 60 | 19.945 | 2880 | 2883 | 2887 | rVB3 | 6397   | 7032    | 0.59%  | 0.081%  |
| 61 | 20.016 | 2893 | 2895 | 2897 | rBV3 | 3237   | 2159    | 0.18%  | 0.025%  |
| 62 | 20.039 | 2897 | 2899 | 2901 | rBV2 | 2491   | 2546    | 0.21%  | 0.029%  |
| 63 | 20.275 | 2937 | 2939 | 2940 | rBV2 | 3062   | 2281    | 0.19%  | 0.026%  |
| 64 | 20.445 | 2965 | 2968 | 2971 | rBV3 | 8771   | 9670    | 0.81%  | 0.111%  |
| 65 | 20.886 | 3041 | 3043 | 3044 | rBV2 | 6112   | 5363    | 0.45%  | 0.062%  |
| 66 | 20.916 | 3044 | 3048 | 3053 | rVV4 | 26810  | 40306   | 3.36%  | 0.463%  |
| 67 | 20.986 | 3058 | 3060 | 3062 | rBV3 | 5960   | 5636    | 0.47%  | 0.065%  |
| 68 | 21.198 | 3091 | 3096 | 3105 | rBV  | 735808 | 1060333 | 88.37% | 12.192% |
| 69 | 21.357 | 3119 | 3123 | 3127 | rBV3 | 38986  | 46822   | 3.90%  | 0.538%  |
| 70 | 21.416 | 3131 | 3133 | 3136 | rVB4 | 12891  | 14023   | 1.17%  | 0.161%  |
| 71 | 21.786 | 3193 | 3196 | 3201 | rVB3 | 36399  | 38586   | 3.22%  | 0.444%  |

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Instrument :  
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## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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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

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 72 | 22.239 | 3269 | 3273 | 3277 | rBV  | 70211  | 90276   | 7.52%   | 1.038%  |
| 73 | 22.727 | 3352 | 3356 | 3361 | rVB  | 77236  | 102406  | 8.53%   | 1.178%  |
| 74 | 22.898 | 3382 | 3385 | 3392 | rVB2 | 55823  | 73869   | 6.16%   | 0.849%  |
| 75 | 23.263 | 3440 | 3447 | 3456 | rBV2 | 426493 | 894080  | 74.52%  | 10.281% |
| 76 | 23.398 | 3463 | 3470 | 3480 | rBV  | 589821 | 1199837 | 100.00% | 13.796% |
| 77 | 23.898 | 3550 | 3555 | 3562 | rVB2 | 80983  | 151789  | 12.65%  | 1.745%  |
| 78 | 24.039 | 3574 | 3579 | 3587 | rVB4 | 52267  | 109567  | 9.13%   | 1.260%  |
| 79 | 24.610 | 3672 | 3676 | 3685 | rVB3 | 64223  | 138789  | 11.57%  | 1.596%  |

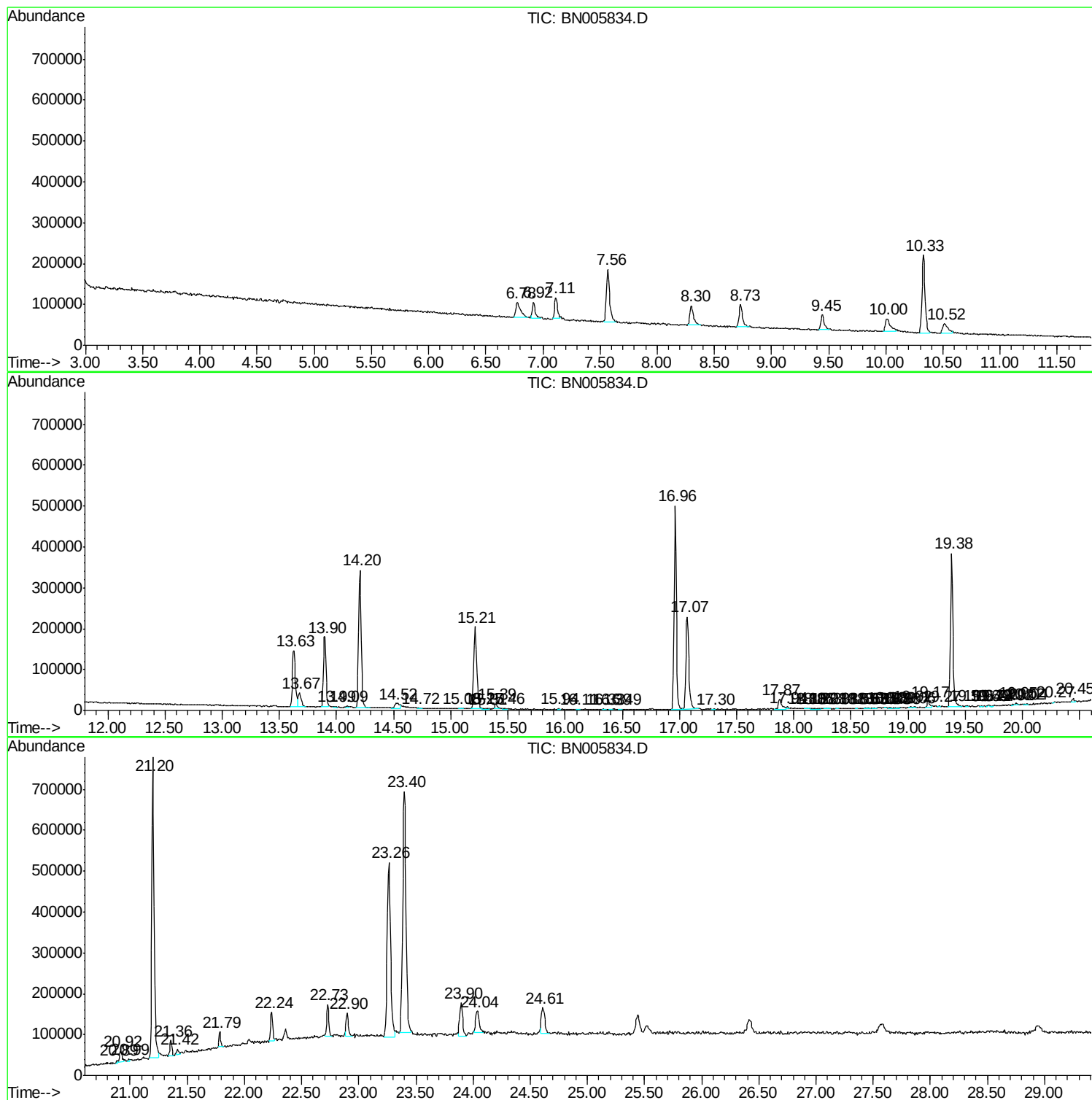
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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



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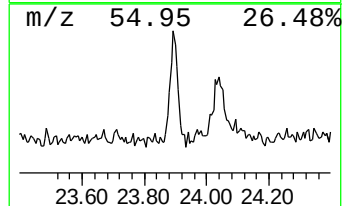
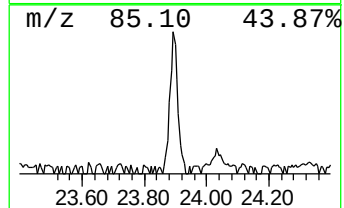
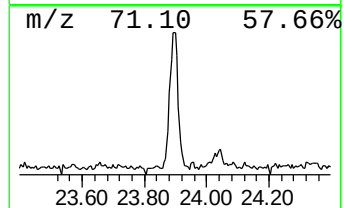
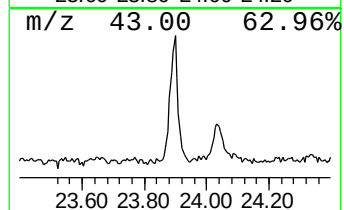
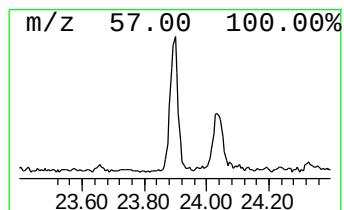
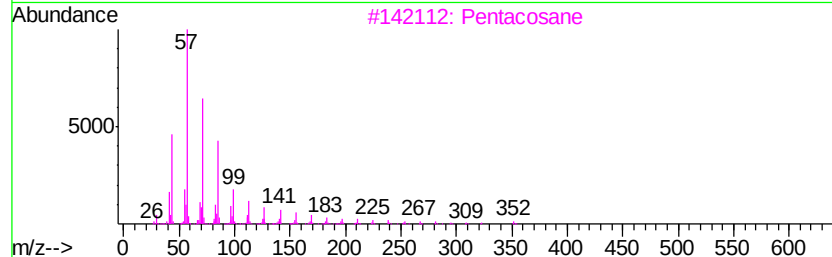
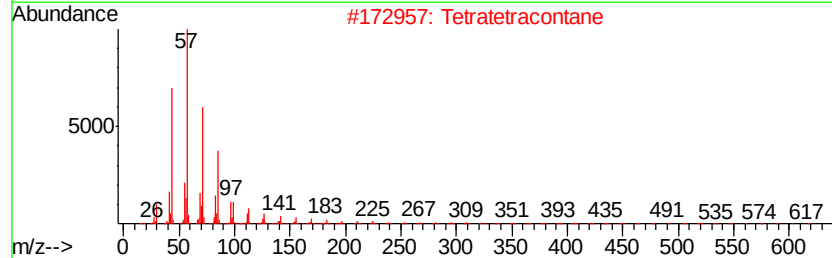
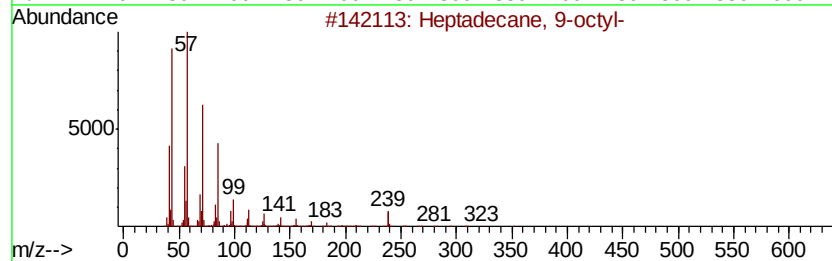
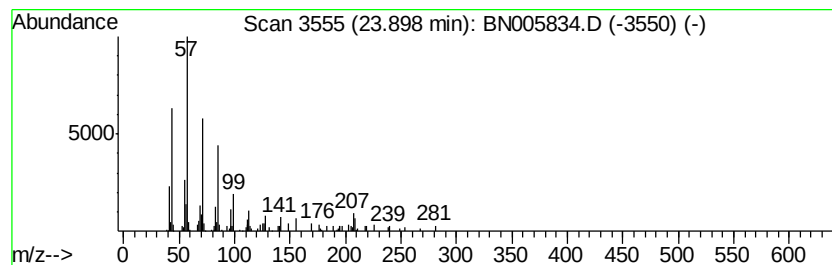
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.90 | 2.53 ng/ul | 151789 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 87   |
| 2    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 87   |
| 3    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 87   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 83   |
| 5    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 83   |



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Quant Title : SVOA CALIBRATION

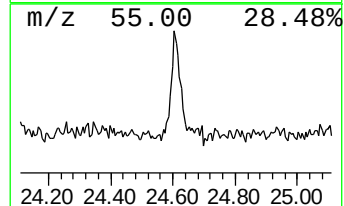
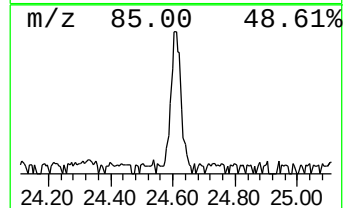
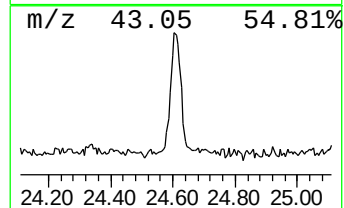
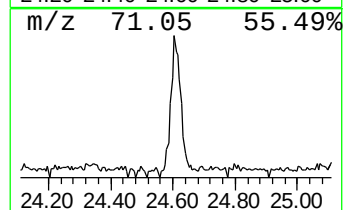
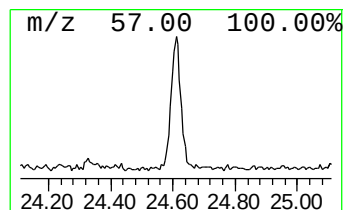
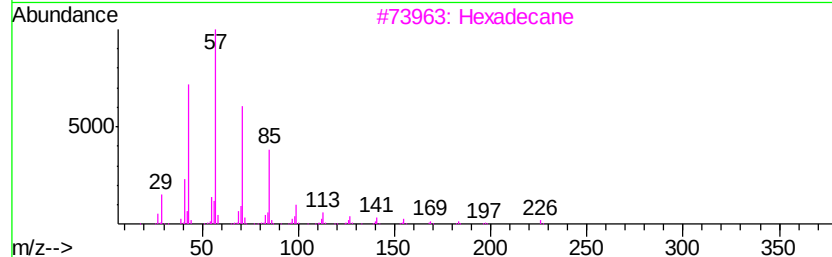
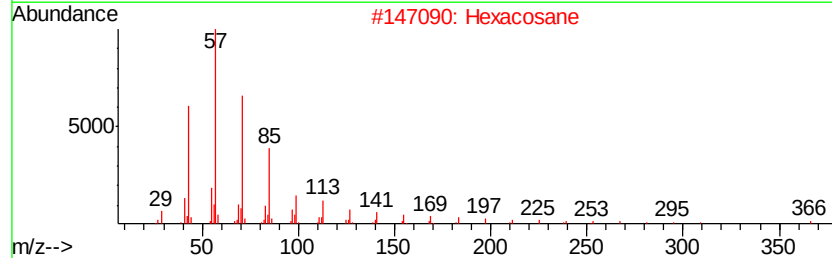
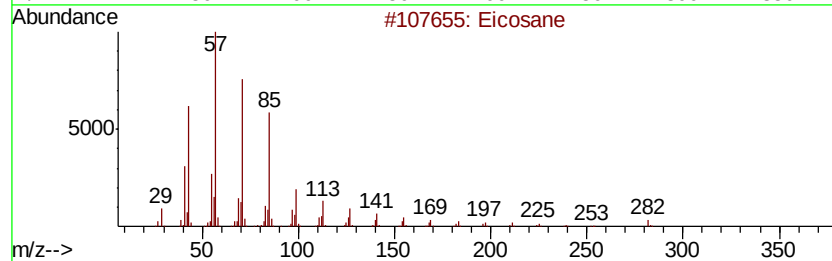
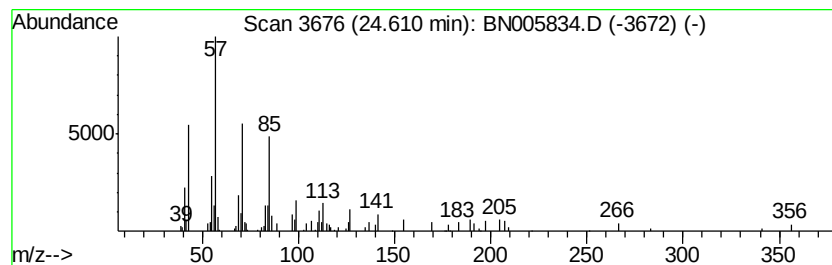
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.61 | 2.31 ng/ul | 138789 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane            | 282 | C20H42  | 000112-95-8 | 87   |
| 2    |    | Hexacosane          | 366 | C26H54  | 000630-01-3 | 87   |
| 3    |    | Hexadecane          | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    | Eicosane, 7-hexyl-  | 366 | C26H54  | 055333-99-8 | 86   |
| 5    |    | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 86   |



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Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 23.90 | 2.5     | ng/ul | 151789   | 6                     | 23.40 | 1199840 | 20.0 |
| (DEL) Alkane: Str... | 24.61 | 2.3     | ng/ul | 138789   | 6                     | 23.40 | 1199840 | 20.0 |