

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010920\  
 Data File : BM024437.D  
 Acq On : 09 Jan 2020 22:40  
 Operator : JU  
 Sample : K6466-22  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0BR1

## 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-BM010820MA.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         | 6.681       | 640           | 645         | 655          | rVB      | 244976         | 434720        | 5.91%           | 0.635%        |
| 2         | 6.839       | 667           | 672         | 681          | rVB      | 889132         | 1326615       | 18.04%          | 1.938%        |
| 3         | 7.034       | 700           | 705         | 715          | rVB      | 998644         | 1503974       | 20.45%          | 2.197%        |
| 4         | 7.492       | 778           | 783         | 791          | rVB      | 1296170        | 1957732       | 26.62%          | 2.860%        |
| 5         | 8.198       | 898           | 903         | 912          | rVB      | 697860         | 1046400       | 14.23%          | 1.529%        |
| 6         | 8.628       | 970           | 976         | 985          | rVB      | 1201888        | 1896093       | 25.78%          | 2.770%        |
| 7         | 9.345       | 1092          | 1098        | 1105         | rBV      | 758259         | 1180668       | 16.05%          | 1.725%        |
| 8         | 9.880       | 1183          | 1189        | 1199         | rVB      | 1257428        | 1980276       | 26.93%          | 2.893%        |
| 9         | 10.251      | 1246          | 1252        | 1263         | rVB      | 1582633        | 2567680       | 34.92%          | 3.751%        |
| 10        | 10.392      | 1271          | 1276        | 1283         | rVB2     | 106705         | 191561        | 2.60%           | 0.280%        |
| 11        | 11.851      | 1521          | 1524        | 1528         | rVB3     | 21029          | 30683         | 0.42%           | 0.045%        |
| 12        | 13.474      | 1797          | 1800        | 1802         | rBV2     | 5725           | 7416          | 0.10%           | 0.011%        |
| 13        | 13.563      | 1808          | 1815        | 1820         | rBV      | 2418292        | 3407140       | 46.33%          | 4.978%        |
| 14        | 13.604      | 1820          | 1822        | 1828         | rVB      | 122289         | 152413        | 2.07%           | 0.223%        |
| 15        | 13.821      | 1853          | 1859        | 1868         | rVB      | 2721950        | 3869114       | 52.61%          | 5.653%        |
| 16        | 14.139      | 1905          | 1913        | 1920         | rVB      | 2227612        | 3169789       | 43.10%          | 4.631%        |
| 17        | 14.198      | 1920          | 1923        | 1927         | rBV4     | 15389          | 18060         | 0.25%           | 0.026%        |
| 18        | 14.339      | 1941          | 1947        | 1959         | rBV      | 190567         | 336908        | 4.58%           | 0.492%        |
| 19        | 14.462      | 1966          | 1968        | 1972         | rVB3     | 5738           | 7872          | 0.11%           | 0.012%        |
| 20        | 14.992      | 2055          | 2058        | 2066         | rVB3     | 8284           | 9260          | 0.13%           | 0.014%        |
| 21        | 15.139      | 2076          | 2083        | 2090         | rBV      | 3473880        | 4794192       | 65.19%          | 7.004%        |
| 22        | 15.251      | 2097          | 2102        | 2115         | rBV      | 730699         | 1069536       | 14.54%          | 1.563%        |
| 23        | 15.380      | 2120          | 2124        | 2129         | rVV2     | 42288          | 61223         | 0.83%           | 0.089%        |
| 24        | 15.433      | 2131          | 2133        | 2138         | rVV4     | 7253           | 12143         | 0.17%           | 0.018%        |
| 25        | 15.927      | 2212          | 2217        | 2220         | rBV6     | 16986          | 22253         | 0.30%           | 0.033%        |
| 26        | 16.674      | 2339          | 2344        | 2347         | rBV6     | 11646          | 20024         | 0.27%           | 0.029%        |
| 27        | 16.709      | 2347          | 2350        | 2354         | rVV6     | 7434           | 11646         | 0.16%           | 0.017%        |
| 28        | 16.768      | 2357          | 2360        | 2366         | rVB5     | 8864           | 12652         | 0.17%           | 0.018%        |
| 29        | 16.886      | 2374          | 2380        | 2386         | rVB      | 2684817        | 3570901       | 48.56%          | 5.217%        |
| 30        | 16.986      | 2390          | 2397        | 2403         | rBV      | 4113789        | 5538219       | 75.31%          | 8.091%        |
| 31        | 17.039      | 2403          | 2406        | 2409         | rVB4     | 7841           | 9335          | 0.13%           | 0.014%        |
| 32        | 17.209      | 2429          | 2435        | 2439         | rBV8     | 9654           | 18055         | 0.25%           | 0.026%        |
| 33        | 17.321      | 2449          | 2454        | 2459         | rVB9     | 11831          | 25624         | 0.35%           | 0.037%        |
| 34        | 17.445      | 2470          | 2475        | 2478         | rBV3     | 7287           | 9931          | 0.14%           | 0.015%        |

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 ALS Vial : 17 Sample Multiplier: 1

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 ClientSampleId :  
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## Integration Parameters: LSCINT.P

Integrator: RTE  
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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-BM010820MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.827 | 2536 | 2540 | 2547 | rBV2 | 149900  | 213590  | 2.90%   | 0.312%  |
| 36 | 17.886 | 2547 | 2550 | 2555 | rVV3 | 21362   | 37898   | 0.52%   | 0.055%  |
| 37 | 17.945 | 2557 | 2560 | 2562 | rVV4 | 8635    | 10696   | 0.15%   | 0.016%  |
| 38 | 17.992 | 2565 | 2568 | 2573 | rVB7 | 5432    | 9843    | 0.13%   | 0.014%  |
| 39 | 18.109 | 2586 | 2588 | 2591 | rBV4 | 10017   | 9430    | 0.13%   | 0.014%  |
| 40 | 18.139 | 2591 | 2593 | 2596 | rVB3 | 12203   | 10844   | 0.15%   | 0.016%  |
| 41 | 18.262 | 2613 | 2614 | 2620 | rVB6 | 13748   | 11938   | 0.16%   | 0.017%  |
| 42 | 18.697 | 2683 | 2688 | 2694 | rBV6 | 80218   | 120728  | 1.64%   | 0.176%  |
| 43 | 18.786 | 2700 | 2703 | 2707 | rVB4 | 21588   | 25195   | 0.34%   | 0.037%  |
| 44 | 18.921 | 2722 | 2726 | 2730 | rBV  | 45858   | 57530   | 0.78%   | 0.084%  |
| 45 | 18.974 | 2733 | 2735 | 2737 | rVV3 | 8561    | 7578    | 0.10%   | 0.011%  |
| 46 | 19.009 | 2737 | 2741 | 2743 | rVV5 | 7514    | 10883   | 0.15%   | 0.016%  |
| 47 | 19.121 | 2757 | 2760 | 2765 | rBV4 | 57951   | 73546   | 1.00%   | 0.107%  |
| 48 | 19.174 | 2765 | 2769 | 2773 | rVB  | 40829   | 53710   | 0.73%   | 0.078%  |
| 49 | 19.286 | 2780 | 2788 | 2795 | rBV  | 4890554 | 6668292 | 90.68%  | 9.742%  |
| 50 | 19.368 | 2798 | 2802 | 2806 | rBV  | 105442  | 110114  | 1.50%   | 0.161%  |
| 51 | 19.539 | 2826 | 2831 | 2835 | rBV6 | 19272   | 32122   | 0.44%   | 0.047%  |
| 52 | 19.709 | 2856 | 2860 | 2864 | rBV6 | 13926   | 26865   | 0.37%   | 0.039%  |
| 53 | 19.809 | 2873 | 2877 | 2878 | rBV4 | 10395   | 15222   | 0.21%   | 0.022%  |
| 54 | 19.862 | 2882 | 2886 | 2889 | rBV5 | 25304   | 35073   | 0.48%   | 0.051%  |
| 55 | 19.909 | 2889 | 2894 | 2899 | rVB  | 310637  | 360292  | 4.90%   | 0.526%  |
| 56 | 20.403 | 2974 | 2978 | 2984 | rVB  | 488962  | 562770  | 7.65%   | 0.822%  |
| 57 | 20.874 | 3051 | 3058 | 3067 | rBV2 | 598101  | 1171769 | 15.93%  | 1.712%  |
| 58 | 21.091 | 3090 | 3095 | 3101 | rBV  | 3488370 | 4153266 | 56.48%  | 6.068%  |
| 59 | 21.309 | 3128 | 3132 | 3138 | rBV  | 376470  | 440426  | 5.99%   | 0.643%  |
| 60 | 21.733 | 3200 | 3204 | 3209 | rBV  | 317866  | 396370  | 5.39%   | 0.579%  |
| 61 | 22.180 | 3277 | 3280 | 3288 | rVB  | 251971  | 323984  | 4.41%   | 0.473%  |
| 62 | 22.668 | 3359 | 3363 | 3367 | rBV  | 274311  | 367785  | 5.00%   | 0.537%  |
| 63 | 23.091 | 3429 | 3435 | 3448 | rVB  | 4200828 | 7353944 | 100.00% | 10.744% |
| 64 | 23.227 | 3450 | 3458 | 3468 | rVV  | 2727237 | 5084526 | 69.14%  | 7.428%  |
| 65 | 23.821 | 3555 | 3559 | 3565 | rVB  | 258513  | 420643  | 5.72%   | 0.615%  |

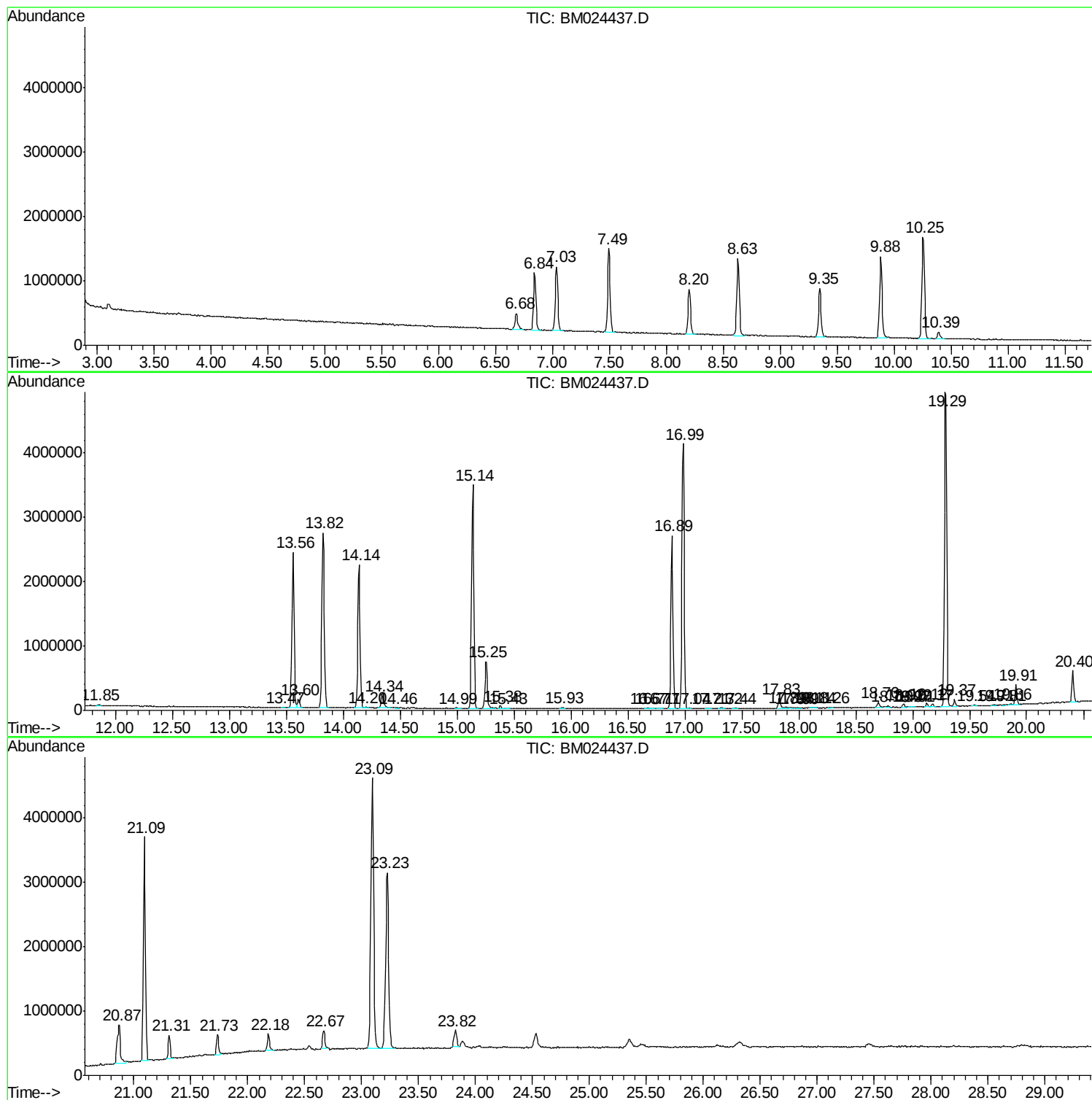
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
H0BR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010820MA.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-BM010820MA.M  
Quant Title : SVOA CALIBRATION

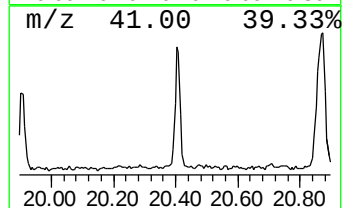
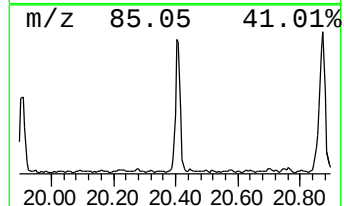
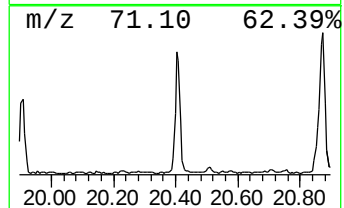
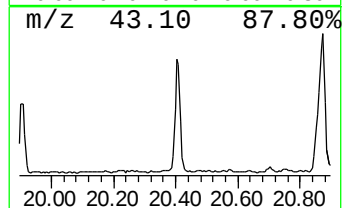
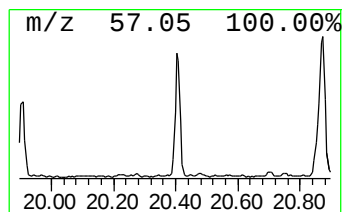
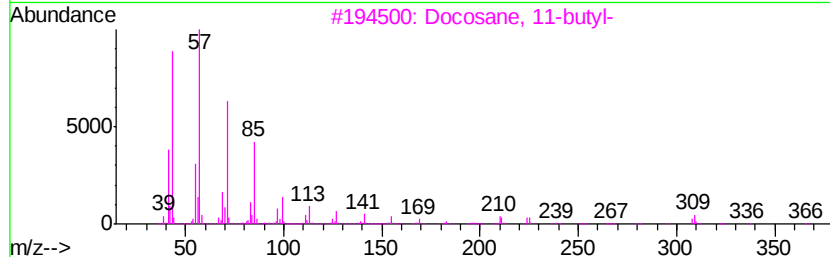
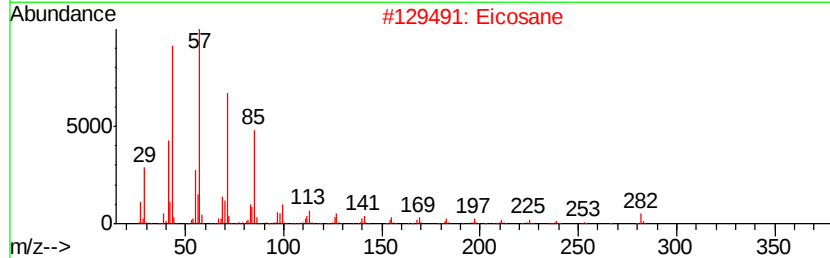
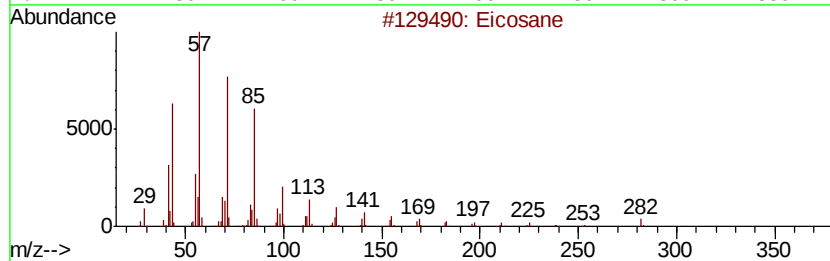
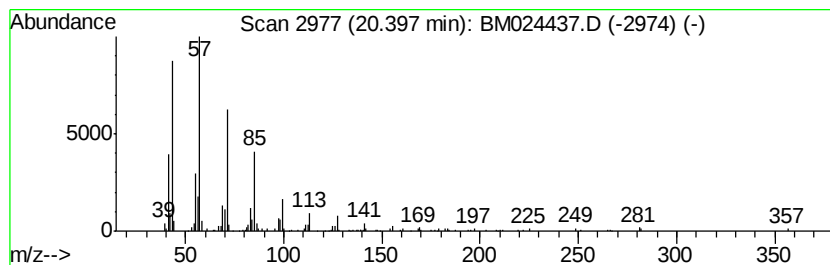
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.40 | 2.71 ng/ul | 562770 | Chrysene-d12     | 21.09 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane            | 282 | C20H42  | 000112-95-8 | 96   |
| 2    |    | Eicosane            | 282 | C20H42  | 000112-95-8 | 93   |
| 3    |    | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 91   |
| 4    |    | Eicosane, 7-hexyl-  | 366 | C26H54  | 055333-99-8 | 91   |
| 5    |    | Tetracosane         | 338 | C24H50  | 000646-31-1 | 91   |



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H0BR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010820MA.M  
Quant Title : SVOA CALIBRATION

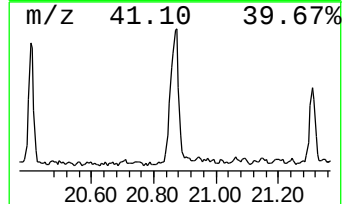
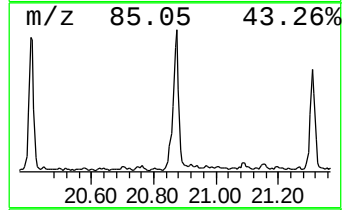
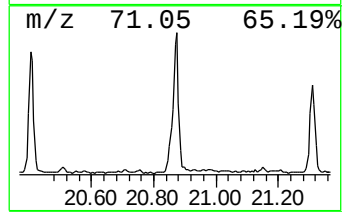
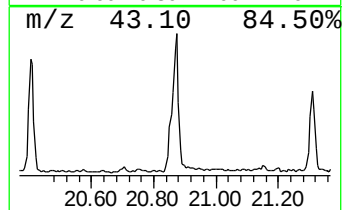
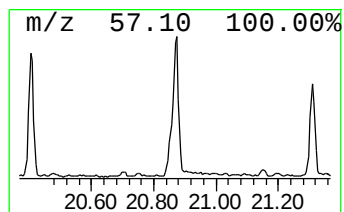
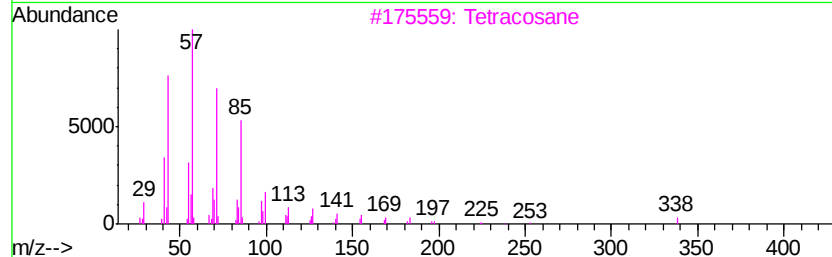
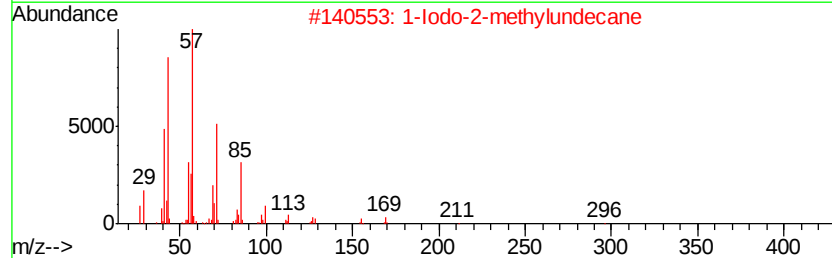
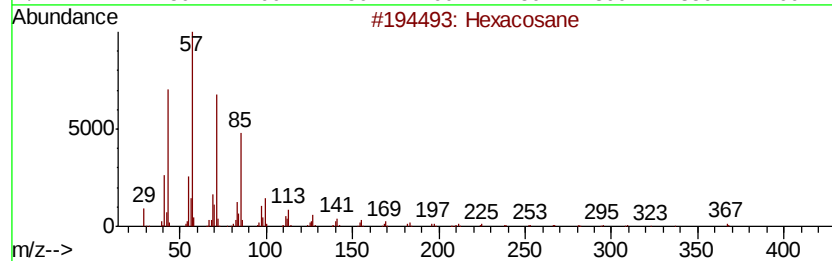
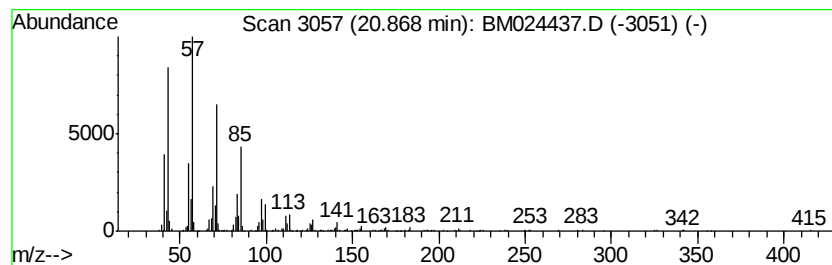
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.87 | 5.64 ng/ul | 1171770 | Chrysene-d12     | 21.09 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane              | 366 | C26H54  | 000630-01-3 | 93   |
| 2    |    |   | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 93   |
| 3    |    |   | Tetracosane             | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    |   | Tetratetracontane       | 619 | C44H90  | 007098-22-8 | 91   |
| 5    |    |   | Octacosane              | 394 | C28H58  | 000630-02-4 | 91   |



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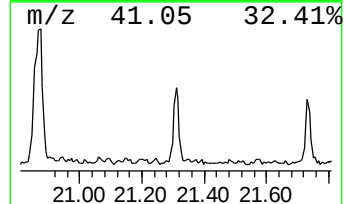
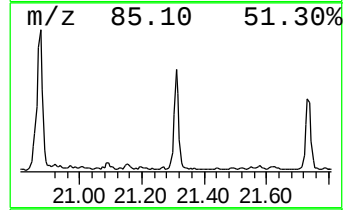
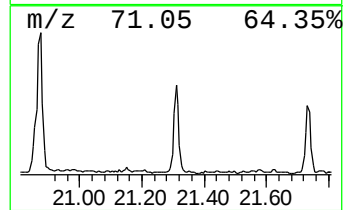
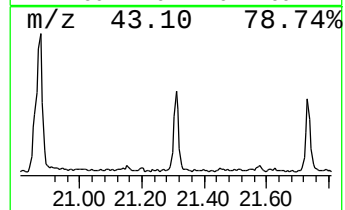
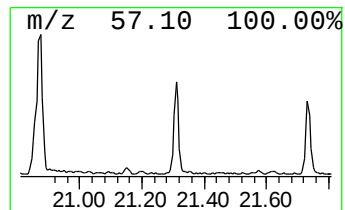
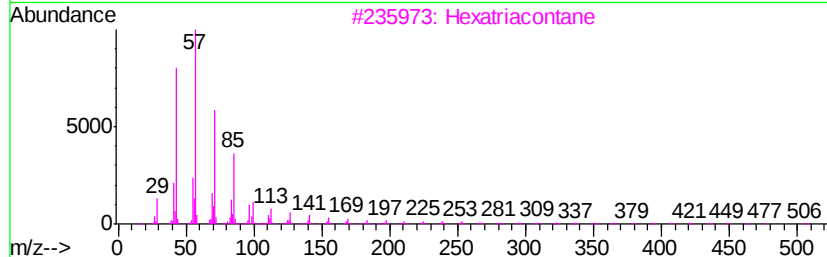
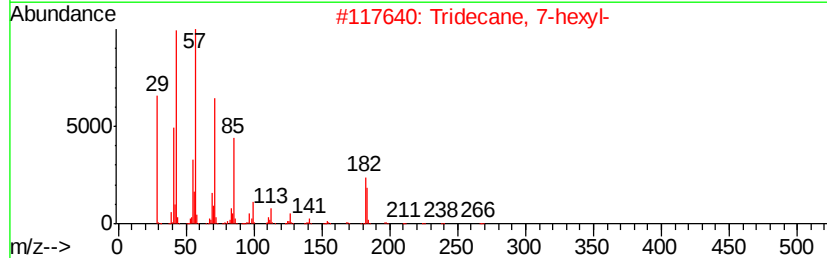
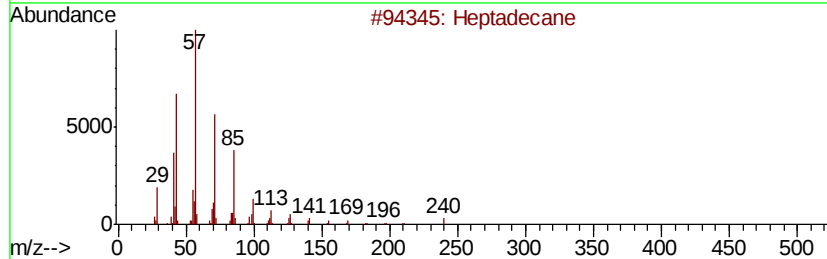
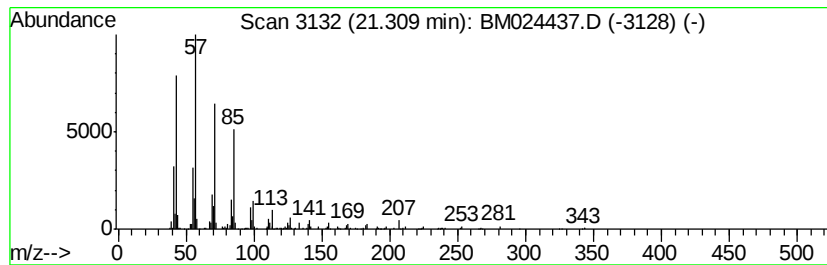
Instrument :  
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.           |
|---------|------------|---------------------|------------------|----------------|
| 21.31   | 2.12 ng/ul | 440426              | Chrysene-d12     | 21.09          |
| Hit# of | 5          | Tentative ID        | MW MolForm       | CAS# Qual      |
| 1       |            | Heptadecane         | 240 C17H36       | 000629-78-7 93 |
| 2       |            | Tridecane, 7-hexyl- | 268 C19H40       | 007225-66-3 93 |
| 3       |            | Hexatriacontane     | 507 C36H74       | 000630-06-8 91 |
| 4       |            | Tetracosane         | 338 C24H50       | 000646-31-1 91 |
| 5       |            | Heneicosane         | 296 C21H44       | 000629-94-7 91 |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 20.40 | 2.7     | ng/ul | 562770   | 5                     | 21.09 | 4153270 | 20.0 |
| (DEL) Alkane: Str... | 20.87 | 5.6     | ng/ul | 1171770  | 5                     | 21.09 | 4153270 | 20.0 |
| (DEL) Alkane: Str... | 21.31 | 2.1     | ng/ul | 440426   | 5                     | 21.09 | 4153270 | 20.0 |