

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\  
 Data File : BM023038.D  
 Acq On : 08 Oct 2019 10:47  
 Operator : JU  
 Sample : K5056-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBAE1

## 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-BM092719MA.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      | 3.257    | 43         | 46       | 52        | rVB   | 20141       | 25621      | 0.85%        | 0.081%     |
| 2      | 3.775    | 130        | 134      | 141       | rVB2  | 9916        | 15647      | 0.52%        | 0.049%     |
| 3      | 3.899    | 151        | 155      | 160       | rVB   | 19142       | 29741      | 0.99%        | 0.094%     |
| 4      | 3.987    | 167        | 170      | 175       | rVB   | 8581        | 11171      | 0.37%        | 0.035%     |
| 5      | 4.081    | 184        | 186      | 191       | rVB5  | 2714        | 3496       | 0.12%        | 0.011%     |
| 6      | 4.910    | 322        | 327      | 334       | rBV   | 11905       | 19465      | 0.65%        | 0.062%     |
| 7      | 6.945    | 666        | 673      | 691       | rVB   | 359012      | 588994     | 19.65%       | 1.863%     |
| 8      | 7.110    | 695        | 701      | 713       | rBV   | 272504      | 447690     | 14.93%       | 1.416%     |
| 9      | 7.310    | 728        | 735      | 745       | rVB   | 396448      | 615477     | 20.53%       | 1.947%     |
| 10     | 7.404    | 749        | 751      | 757       | rVB4  | 2988        | 4005       | 0.13%        | 0.013%     |
| 11     | 7.775    | 807        | 814      | 825       | rBV   | 655720      | 1017311    | 33.93%       | 3.218%     |
| 12     | 8.481    | 927        | 934      | 948       | rBV   | 381133      | 610867     | 20.38%       | 1.932%     |
| 13     | 8.604    | 948        | 955      | 962       | rVB2  | 8463        | 14763      | 0.49%        | 0.047%     |
| 14     | 8.928    | 1003       | 1010     | 1020      | rBV   | 337600      | 549841     | 18.34%       | 1.739%     |
| 15     | 9.104    | 1037       | 1040     | 1044      | rVB2  | 4663        | 5599       | 0.19%        | 0.018%     |
| 16     | 9.369    | 1080       | 1085     | 1089      | rVB2  | 3593        | 5027       | 0.17%        | 0.016%     |
| 17     | 9.651    | 1126       | 1133     | 1142      | rBV   | 255794      | 420178     | 14.02%       | 1.329%     |
| 18     | 10.186   | 1217       | 1224     | 1239      | rVB   | 458250      | 719146     | 23.99%       | 2.275%     |
| 19     | 10.563   | 1281       | 1288     | 1296      | rBV   | 870280      | 1446602    | 48.25%       | 4.575%     |
| 20     | 10.698   | 1304       | 1311     | 1326      | rBV   | 397025      | 690357     | 23.03%       | 2.183%     |
| 21     | 12.157   | 1554       | 1559     | 1563      | rBV2  | 5280        | 8381       | 0.28%        | 0.027%     |
| 22     | 13.022   | 1703       | 1706     | 1711      | rBV3  | 3087        | 3374       | 0.11%        | 0.011%     |
| 23     | 13.251   | 1740       | 1745     | 1749      | rBV2  | 3095        | 3190       | 0.11%        | 0.010%     |
| 24     | 13.469   | 1777       | 1782     | 1786      | rBV2  | 7230        | 9959       | 0.33%        | 0.031%     |
| 25     | 13.821   | 1836       | 1842     | 1846      | rBV   | 802340      | 1074238    | 35.83%       | 3.398%     |
| 26     | 13.868   | 1846       | 1850     | 1857      | rVB   | 196609      | 266271     | 8.88%        | 0.842%     |
| 27     | 14.104   | 1881       | 1890     | 1899      | rBV   | 949520      | 1354755    | 45.19%       | 4.285%     |
| 28     | 14.410   | 1936       | 1942     | 1952      | rBV   | 1284243     | 1923160    | 64.15%       | 6.083%     |
| 29     | 14.604   | 1970       | 1975     | 1989      | rBV   | 179350      | 291315     | 9.72%        | 0.921%     |
| 30     | 14.833   | 2008       | 2014     | 2020      | rBV   | 25841       | 32569      | 1.09%        | 0.103%     |
| 31     | 15.227   | 2076       | 2081     | 2085      | rBV2  | 3209        | 5226       | 0.17%        | 0.017%     |
| 32     | 15.274   | 2085       | 2089     | 2092      | rVB   | 3725        | 4243       | 0.14%        | 0.013%     |
| 33     | 15.404   | 2105       | 2111     | 2124      | rBV   | 1256853     | 1728408    | 57.65%       | 5.467%     |
| 34     | 15.521   | 2125       | 2131     | 2140      | rVB   | 198982      | 275025     | 9.17%        | 0.870%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.645 | 2148 | 2152 | 2155 | rBV  | 8938    | 11256   | 0.38%  | 0.036% |
| 36 | 16.133 | 2232 | 2235 | 2238 | rBV5 | 2647    | 3631    | 0.12%  | 0.011% |
| 37 | 16.192 | 2242 | 2245 | 2250 | rBV4 | 4195    | 5570    | 0.19%  | 0.018% |
| 38 | 16.698 | 2327 | 2331 | 2336 | rVB  | 13174   | 15236   | 0.51%  | 0.048% |
| 39 | 16.921 | 2367 | 2369 | 2371 | rBV2 | 3628    | 3712    | 0.12%  | 0.012% |
| 40 | 16.974 | 2376 | 2378 | 2382 | rVB3 | 2417    | 3103    | 0.10%  | 0.010% |
| 41 | 17.151 | 2402 | 2408 | 2414 | rBV2 | 1580287 | 2249441 | 75.03% | 7.114% |
| 42 | 17.192 | 2414 | 2415 | 2419 | rVV  | 28116   | 26068   | 0.87%  | 0.082% |
| 43 | 17.251 | 2419 | 2425 | 2436 | rVV  | 1282692 | 1795373 | 59.89% | 5.678% |
| 44 | 17.439 | 2454 | 2457 | 2461 | rVB2 | 2699    | 3331    | 0.11%  | 0.011% |
| 45 | 17.545 | 2471 | 2475 | 2480 | rBV4 | 4352    | 7085    | 0.24%  | 0.022% |
| 46 | 17.657 | 2491 | 2494 | 2498 | rBV3 | 3023    | 3550    | 0.12%  | 0.011% |
| 47 | 17.839 | 2517 | 2525 | 2528 | rBV6 | 3418    | 6492    | 0.22%  | 0.021% |
| 48 | 17.927 | 2536 | 2540 | 2542 | rBV3 | 2683    | 3914    | 0.13%  | 0.012% |
| 49 | 18.051 | 2552 | 2561 | 2569 | rBV2 | 73159   | 119674  | 3.99%  | 0.379% |
| 50 | 18.121 | 2570 | 2573 | 2577 | rVB  | 6730    | 8689    | 0.29%  | 0.027% |
| 51 | 18.227 | 2586 | 2591 | 2594 | rBV5 | 5042    | 8294    | 0.28%  | 0.026% |
| 52 | 18.351 | 2609 | 2612 | 2614 | rBV2 | 3423    | 4385    | 0.15%  | 0.014% |
| 53 | 18.374 | 2614 | 2616 | 2621 | rVB6 | 5423    | 7951    | 0.27%  | 0.025% |
| 54 | 18.486 | 2631 | 2635 | 2637 | rBV3 | 7402    | 7635    | 0.25%  | 0.024% |
| 55 | 18.533 | 2639 | 2643 | 2646 | rVV4 | 4956    | 6029    | 0.20%  | 0.019% |
| 56 | 18.574 | 2646 | 2650 | 2653 | rBV5 | 3243    | 4317    | 0.14%  | 0.014% |
| 57 | 18.915 | 2705 | 2708 | 2709 | rBV3 | 4789    | 5106    | 0.17%  | 0.016% |
| 58 | 18.945 | 2710 | 2713 | 2717 | rVV5 | 8594    | 12147   | 0.41%  | 0.038% |
| 59 | 18.986 | 2718 | 2720 | 2724 | rVB4 | 5623    | 5780    | 0.19%  | 0.018% |
| 60 | 19.209 | 2749 | 2758 | 2767 | rBV  | 184944  | 265454  | 8.85%  | 0.840% |
| 61 | 19.333 | 2776 | 2779 | 2785 | rVB3 | 17688   | 21347   | 0.71%  | 0.068% |
| 62 | 19.433 | 2793 | 2796 | 2802 | rBV2 | 11045   | 17966   | 0.60%  | 0.057% |
| 63 | 19.545 | 2809 | 2815 | 2828 | rBV  | 1855282 | 2717466 | 90.65% | 8.595% |
| 64 | 19.756 | 2848 | 2851 | 2854 | rVB2 | 9778    | 11867   | 0.40%  | 0.038% |
| 65 | 20.098 | 2907 | 2909 | 2914 | rVB2 | 16145   | 17676   | 0.59%  | 0.056% |
| 66 | 20.597 | 2991 | 2994 | 2996 | rVB  | 29077   | 28518   | 0.95%  | 0.090% |
| 67 | 21.056 | 3068 | 3072 | 3078 | rBV2 | 153814  | 216305  | 7.22%  | 0.684% |
| 68 | 21.333 | 3113 | 3119 | 3124 | rBV  | 2256854 | 2944665 | 98.22% | 9.313% |
| 69 | 21.492 | 3143 | 3146 | 3152 | rBV2 | 97945   | 113974  | 3.80%  | 0.360% |
| 70 | 21.933 | 3217 | 3221 | 3230 | rBV  | 128309  | 213914  | 7.14%  | 0.677% |
| 71 | 22.397 | 3297 | 3300 | 3305 | rVB  | 149667  | 182808  | 6.10%  | 0.578% |

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :  
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Sampling : 1  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
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|----|--------|------|------|------|-----|---------|---------|---------|--------|
| 72 | 22.909 | 3383 | 3387 | 3392 | rBV | 224832  | 329135  | 10.98%  | 1.041% |
| 73 | 23.444 | 3471 | 3478 | 3483 | rBV | 1435175 | 2663872 | 88.86%  | 8.425% |
| 74 | 23.586 | 3496 | 3502 | 3516 | rVB | 1602196 | 2997883 | 100.00% | 9.482% |
| 75 | 24.133 | 3592 | 3595 | 3604 | rVB | 183288  | 325999  | 10.87%  | 1.031% |

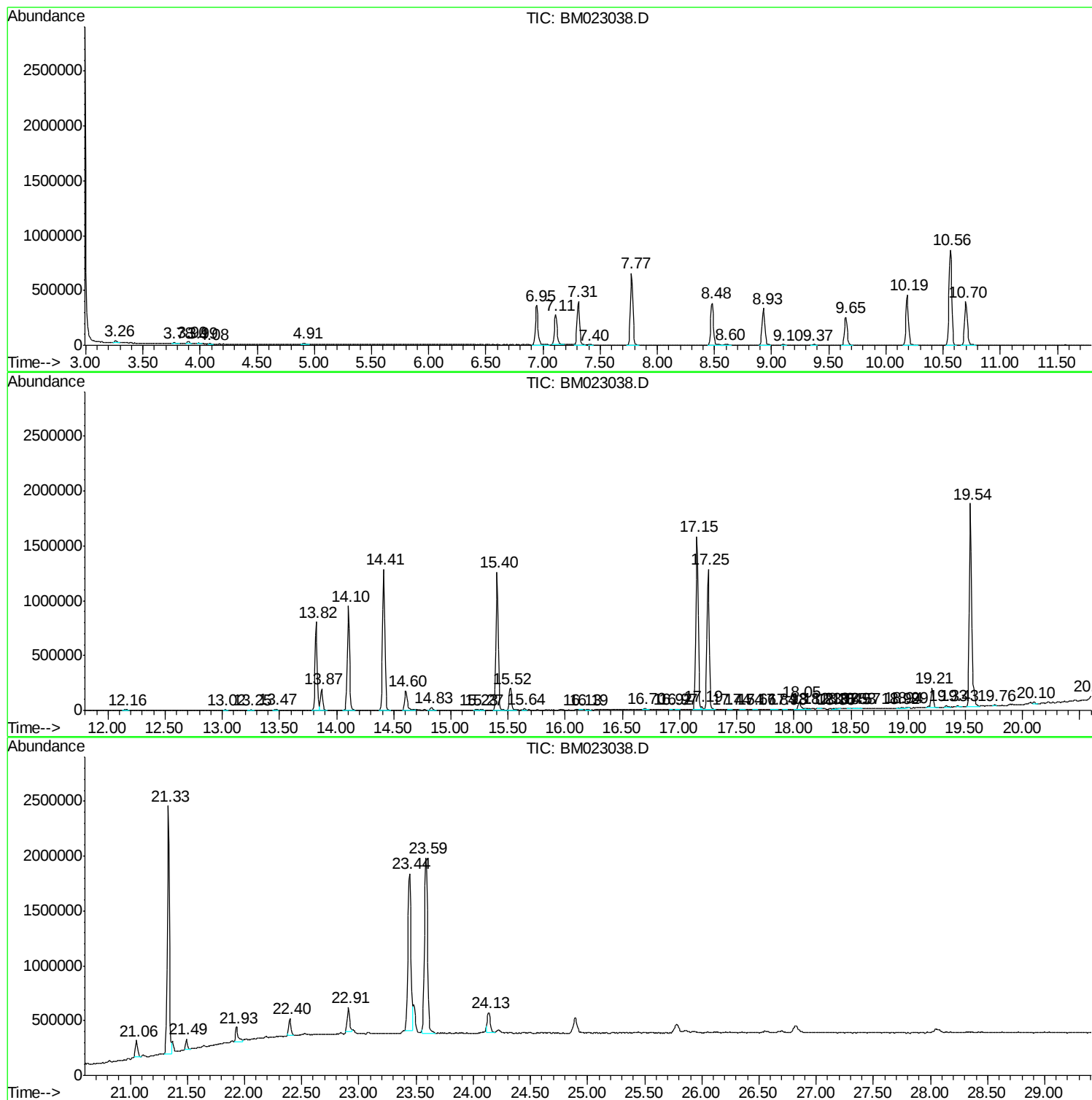
Sum of corrected areas: 31617730

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION

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



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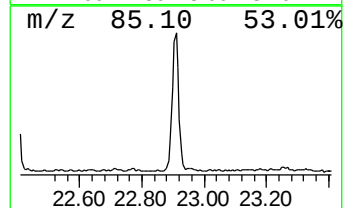
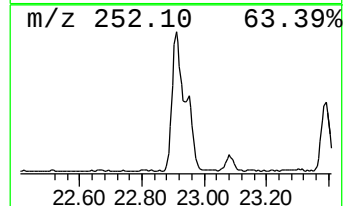
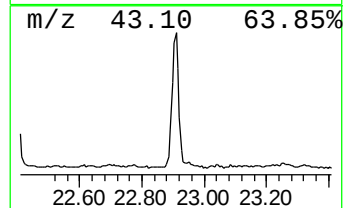
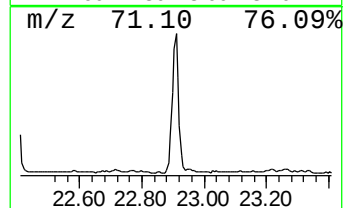
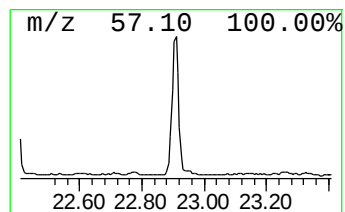
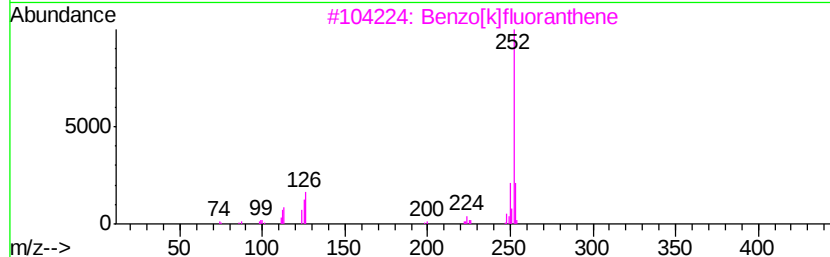
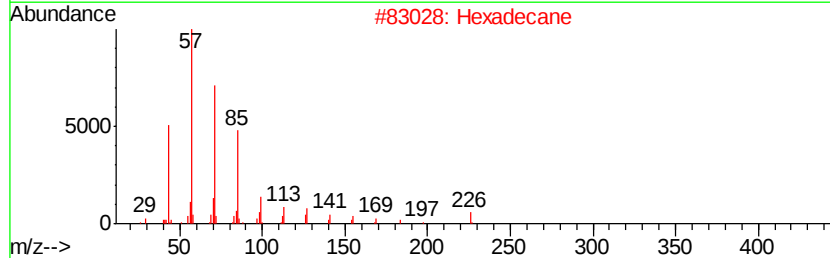
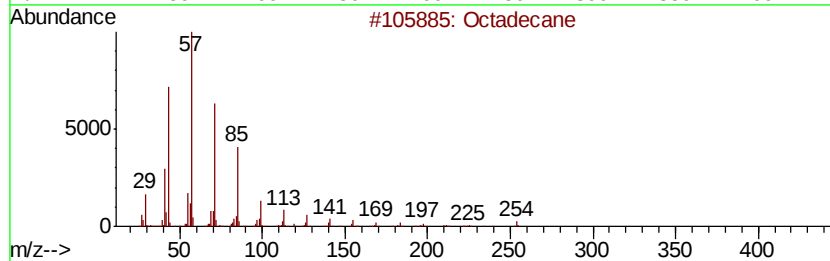
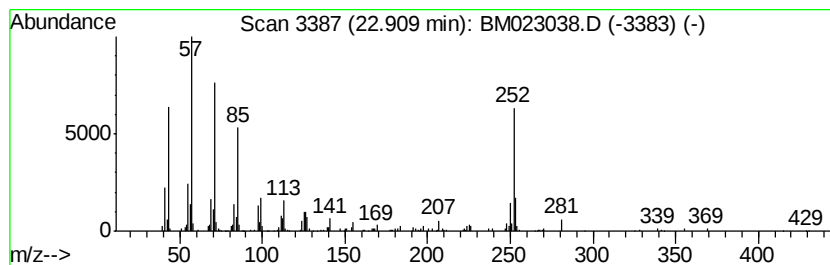
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.91 | 2.20 ng/ul | 329135 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane           | 254 | C18H38  | 000593-45-3 | 96   |
| 2    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 90   |
| 4    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 87   |
| 5    |    | Octadecane           | 254 | C18H38  | 000593-45-3 | 87   |



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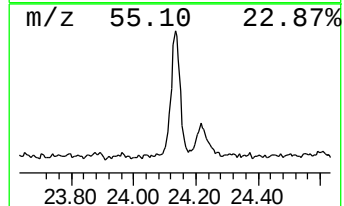
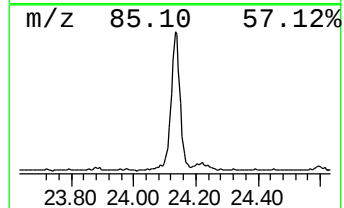
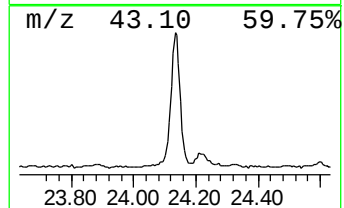
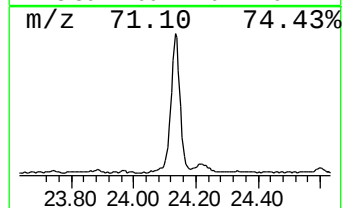
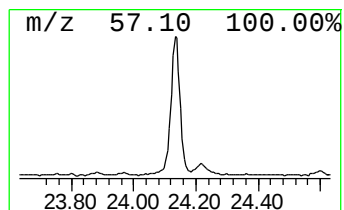
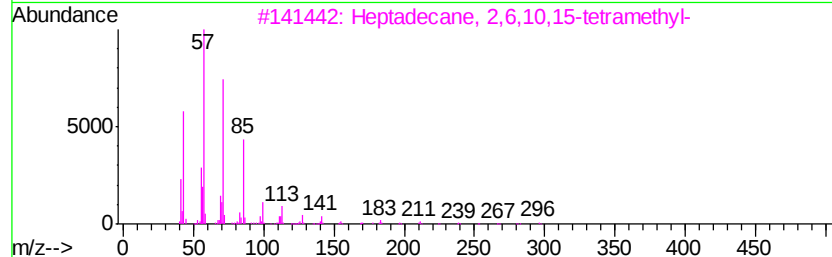
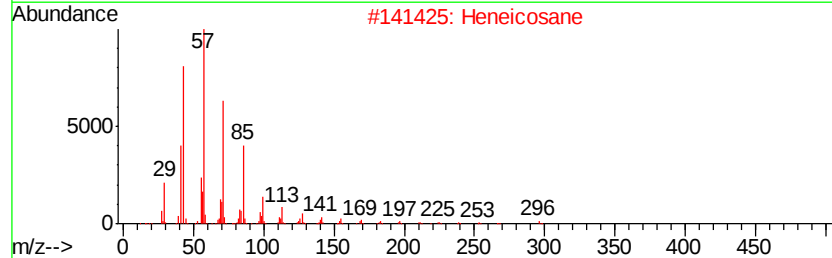
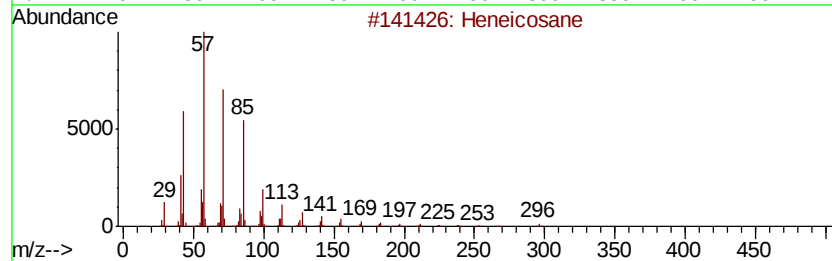
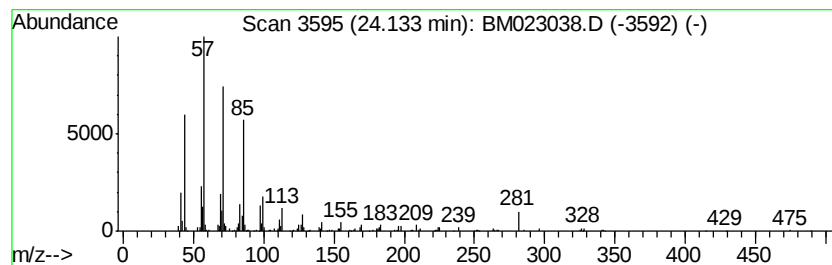
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\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.13 | 2.17 ng/ul | 325999 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 94   |
| 2    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 93   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 91   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)-    | 366 | C26H54  | 055282-11-6 | 90   |
| 5    |    | Heptadecane, 9-octyl-               | 352 | C25H52  | 007225-64-1 | 90   |



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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.91 | 2.2     | ng/ul | 329135   | 6                     | 23.59 | 2997880 | 20.0 |
| (DEL) Alkane: Str... | 24.13 | 2.2     | ng/ul | 325999   | 6                     | 23.59 | 2997880 | 20.0 |