

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\  
 Data File : BN004708.D  
 Acq On : 09 Mar 2019 12:42  
 Operator : JU/SJ  
 Sample : K1736-03  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BF621

## 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-BN030719MA.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         | 3.222       | 37            | 40          | 46           | rVB      | 6307           | 8304          | 1.23%           | 0.111%        |
| 2         | 3.740       | 124           | 128         | 131          | rVB      | 2459           | 2547          | 0.38%           | 0.034%        |
| 3         | 4.840       | 312           | 315         | 318          | rVB3     | 1942           | 2430          | 0.36%           | 0.032%        |
| 4         | 6.887       | 657           | 663         | 671          | rBB      | 74689          | 116980        | 17.29%          | 1.562%        |
| 5         | 7.057       | 687           | 692         | 699          | rBB      | 63429          | 94521         | 13.97%          | 1.262%        |
| 6         | 7.252       | 719           | 725         | 731          | rBB      | 83941          | 126610        | 18.71%          | 1.690%        |
| 7         | 7.716       | 799           | 804         | 810          | rBB      | 114025         | 175361        | 25.91%          | 2.341%        |
| 8         | 8.422       | 918           | 924         | 931          | rBV      | 99659          | 152469        | 22.53%          | 2.035%        |
| 9         | 8.475       | 931           | 933         | 936          | rVB      | 1490           | 1805          | 0.27%           | 0.024%        |
| 10        | 8.881       | 996           | 1002        | 1008         | rBB      | 77117          | 122248        | 18.06%          | 1.632%        |
| 11        | 9.234       | 1059          | 1062        | 1065         | rBB      | 2101           | 2712          | 0.40%           | 0.036%        |
| 12        | 9.593       | 1118          | 1123        | 1129         | rBB      | 67508          | 101210        | 14.96%          | 1.351%        |
| 13        | 10.128      | 1208          | 1214        | 1223         | rBB      | 101219         | 164107        | 24.25%          | 2.191%        |
| 14        | 10.504      | 1271          | 1278        | 1285         | rBB      | 170793         | 276097        | 40.80%          | 3.686%        |
| 15        | 10.646      | 1296          | 1302        | 1313         | rBB      | 94522          | 157875        | 23.33%          | 2.107%        |
| 16        | 12.093      | 1545          | 1548        | 1551         | rBB      | 1102           | 1448          | 0.21%           | 0.019%        |
| 17        | 13.769      | 1827          | 1833        | 1838         | rBV      | 220977         | 289399        | 42.77%          | 3.863%        |
| 18        | 13.816      | 1838          | 1841        | 1846         | rVB      | 29084          | 34087         | 5.04%           | 0.455%        |
| 19        | 14.051      | 1875          | 1881        | 1891         | rBB      | 227904         | 341080        | 50.40%          | 4.553%        |
| 20        | 14.363      | 1928          | 1934        | 1940         | rBB2     | 268902         | 396255        | 58.56%          | 5.289%        |
| 21        | 14.581      | 1965          | 1971        | 1984         | rBB2     | 33209          | 61594         | 9.10%           | 0.822%        |
| 22        | 15.357      | 2097          | 2103        | 2109         | rBB      | 315798         | 443305        | 65.51%          | 5.918%        |
| 23        | 15.481      | 2120          | 2124        | 2129         | rBB      | 23825          | 28729         | 4.25%           | 0.383%        |
| 24        | 15.592      | 2140          | 2143        | 2146         | rBB      | 1455           | 1780          | 0.26%           | 0.024%        |
| 25        | 16.139      | 2232          | 2236        | 2239         | rBB      | 1960           | 2489          | 0.37%           | 0.033%        |
| 26        | 16.863      | 2357          | 2359        | 2361         | rBB      | 1342           | 1124          | 0.17%           | 0.015%        |
| 27        | 16.898      | 2362          | 2365        | 2367         | rBB      | 708            | 840           | 0.12%           | 0.011%        |
| 28        | 17.110      | 2395          | 2401        | 2408         | rBB2     | 364833         | 505679        | 74.73%          | 6.750%        |
| 29        | 17.210      | 2412          | 2418        | 2426         | rVB      | 343468         | 477122        | 70.51%          | 6.369%        |
| 30        | 17.992      | 2549          | 2551        | 2555         | rBB      | 2680           | 2924          | 0.43%           | 0.039%        |
| 31        | 18.069      | 2561          | 2564        | 2567         | rBB      | 1030           | 1246          | 0.18%           | 0.017%        |
| 32        | 19.139      | 2742          | 2746        | 2750         | rBB      | 3441           | 3805          | 0.56%           | 0.051%        |
| 33        | 19.398      | 2785          | 2790        | 2793         | rBV      | 1857           | 2380          | 0.35%           | 0.032%        |
| 34        | 19.510      | 2803          | 2809        | 2819         | rBV      | 465413         | 604042        | 89.26%          | 8.063%        |

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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\_N\METHODS\SOM-EPA-BN030719MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 19.739 | 2846 | 2848 | 2851 | rVB  | 745    | 800    | 0.12%   | 0.011% |
| 36 | 20.039 | 2895 | 2899 | 2905 | rBV2 | 5214   | 5319   | 0.79%   | 0.071% |
| 37 | 20.380 | 2954 | 2957 | 2959 | rBV  | 663    | 681    | 0.10%   | 0.009% |
| 38 | 20.410 | 2959 | 2962 | 2963 | rVV2 | 1237   | 1319   | 0.19%   | 0.018% |
| 39 | 20.433 | 2963 | 2966 | 2970 | rVV2 | 1896   | 2317   | 0.34%   | 0.031% |
| 40 | 20.474 | 2971 | 2973 | 2977 | rVV2 | 1048   | 1093   | 0.16%   | 0.015% |
| 41 | 20.539 | 2980 | 2984 | 2987 | rVV  | 10733  | 11619  | 1.72%   | 0.155% |
| 42 | 20.574 | 2987 | 2990 | 2994 | rVV  | 2230   | 2341   | 0.35%   | 0.031% |
| 43 | 20.633 | 2998 | 3000 | 3002 | rBV  | 682    | 746    | 0.11%   | 0.010% |
| 44 | 20.833 | 3032 | 3034 | 3035 | rBV  | 1297   | 732    | 0.11%   | 0.010% |
| 45 | 20.898 | 3043 | 3045 | 3048 | rBV  | 715    | 692    | 0.10%   | 0.009% |
| 46 | 21.004 | 3054 | 3063 | 3073 | rBV2 | 40193  | 64150  | 9.48%   | 0.856% |
| 47 | 21.086 | 3073 | 3077 | 3082 | rVB  | 9016   | 12075  | 1.78%   | 0.161% |
| 48 | 21.151 | 3085 | 3088 | 3090 | rBV2 | 1770   | 1808   | 0.27%   | 0.024% |
| 49 | 21.210 | 3093 | 3098 | 3103 | rVB  | 36844  | 40366  | 5.97%   | 0.539% |
| 50 | 21.257 | 3103 | 3106 | 3107 | rBV2 | 1431   | 1403   | 0.21%   | 0.019% |
| 51 | 21.310 | 3109 | 3115 | 3123 | rVB  | 525709 | 671357 | 99.21%  | 8.962% |
| 52 | 21.369 | 3123 | 3125 | 3127 | rBV2 | 1034   | 993    | 0.15%   | 0.013% |
| 53 | 21.445 | 3133 | 3138 | 3144 | rBV  | 36132  | 43302  | 6.40%   | 0.578% |
| 54 | 21.710 | 3181 | 3183 | 3185 | rBV3 | 2215   | 2774   | 0.41%   | 0.037% |
| 55 | 21.874 | 3207 | 3211 | 3217 | rBV  | 61509  | 75133  | 11.10%  | 1.003% |
| 56 | 22.339 | 3285 | 3290 | 3297 | rBV  | 82280  | 110583 | 16.34%  | 1.476% |
| 57 | 22.468 | 3308 | 3312 | 3319 | rVB2 | 12169  | 18311  | 2.71%   | 0.244% |
| 58 | 22.845 | 3371 | 3376 | 3381 | rVB  | 96734  | 134922 | 19.94%  | 1.801% |
| 59 | 23.421 | 3466 | 3474 | 3485 | rBV2 | 371946 | 676713 | 100.00% | 9.033% |
| 60 | 23.568 | 3491 | 3499 | 3511 | rVB  | 322455 | 580270 | 85.75%  | 7.746% |
| 61 | 23.804 | 3537 | 3539 | 3543 | rBV5 | 3026   | 4964   | 0.73%   | 0.066% |
| 62 | 24.062 | 3576 | 3583 | 3593 | rVB  | 68436  | 130500 | 19.28%  | 1.742% |
| 63 | 24.810 | 3702 | 3710 | 3726 | rBV  | 45057  | 107351 | 15.86%  | 1.433% |
| 64 | 25.680 | 3851 | 3858 | 3867 | rVB  | 21165  | 51902  | 7.67%   | 0.693% |
| 65 | 26.704 | 4027 | 4032 | 4041 | rVB5 | 10487  | 30227  | 4.47%   | 0.403% |

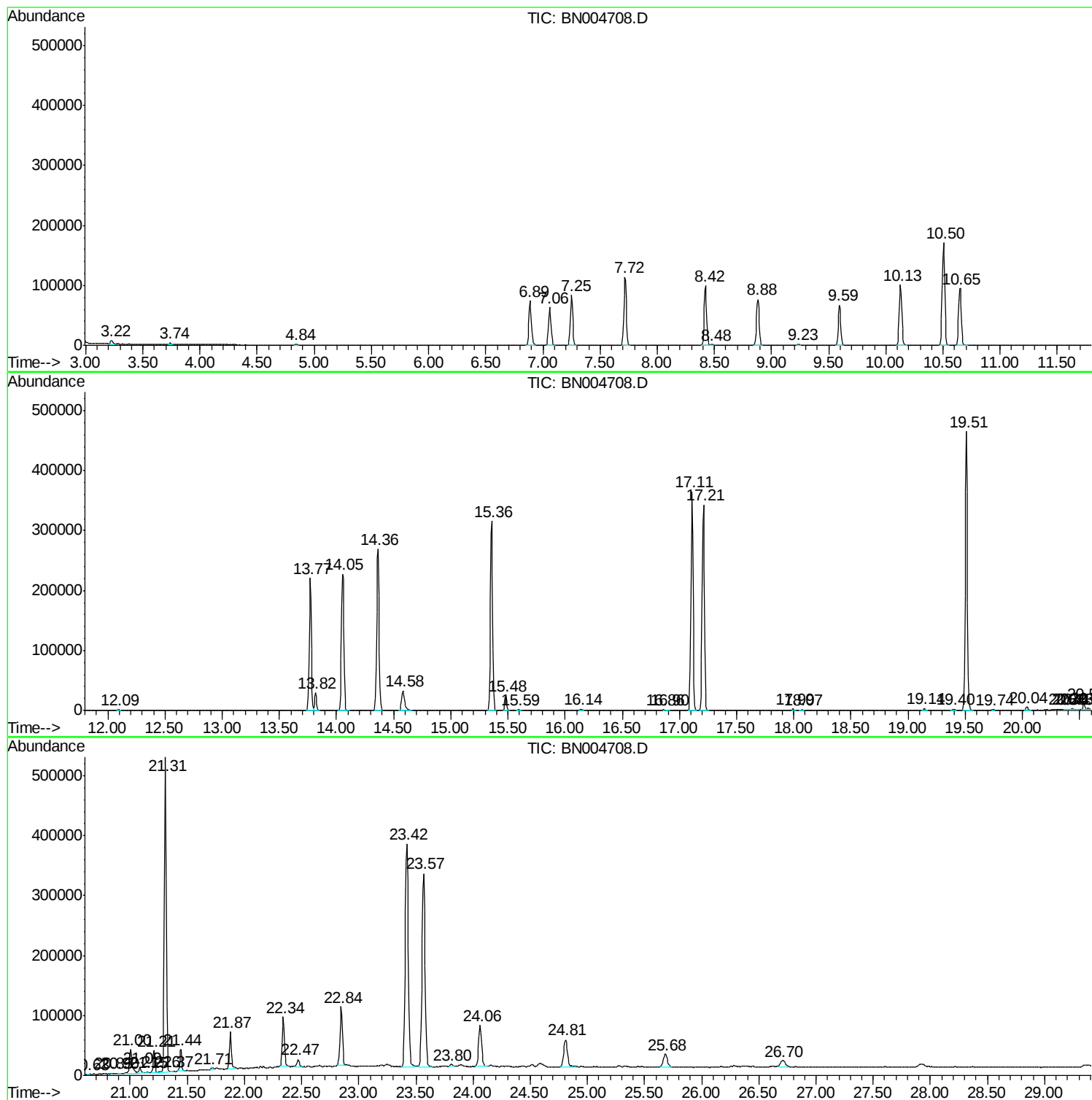
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

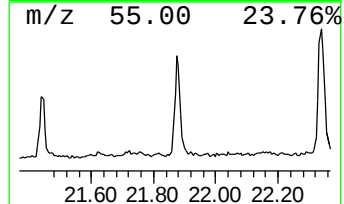
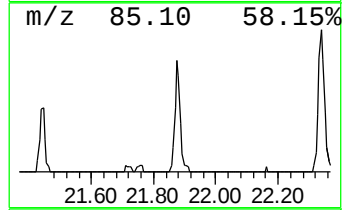
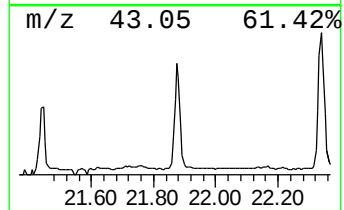
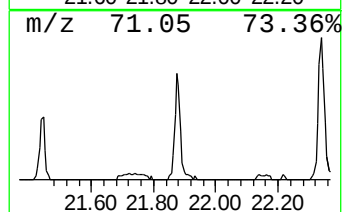
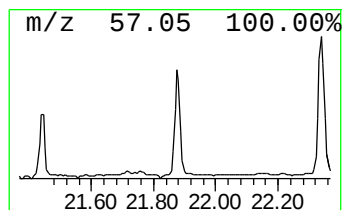
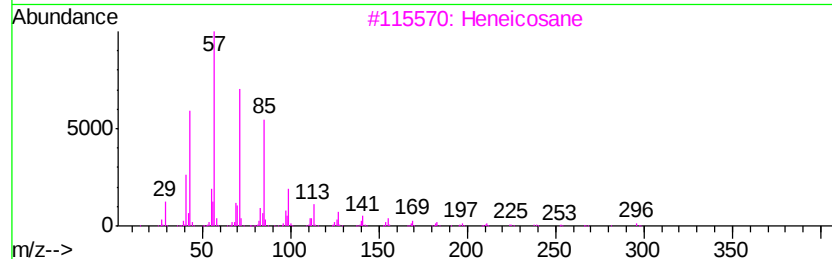
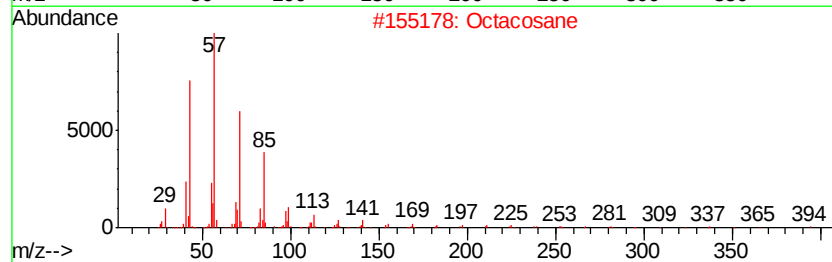
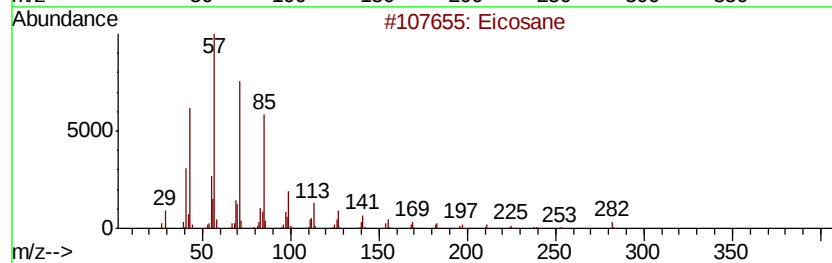
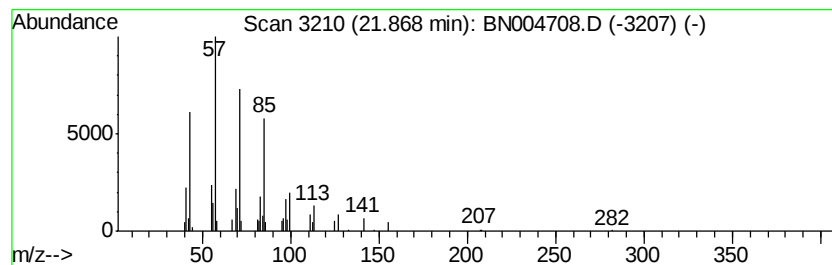
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 21.87 | 2.24 ng/ul | 75133 | Chrysene-d12     | 21.31 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |



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Quant Title : SVOA CALIBRATION

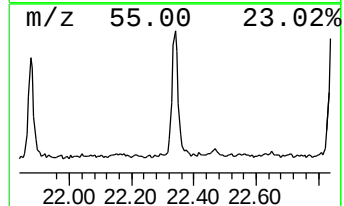
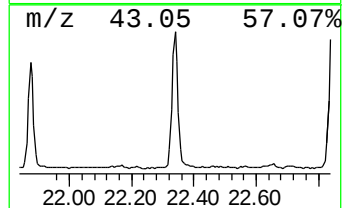
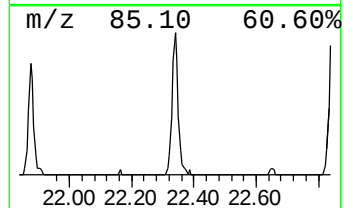
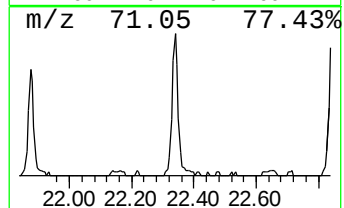
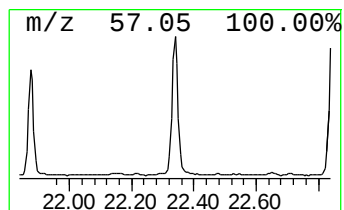
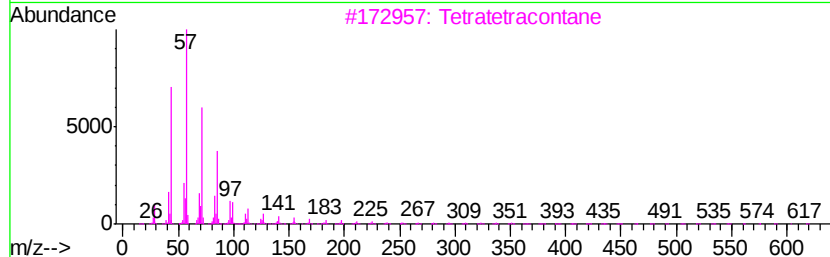
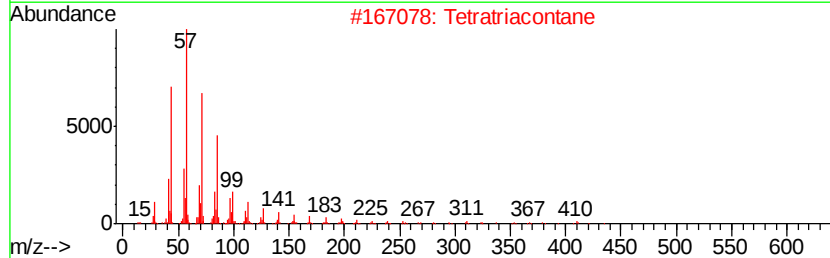
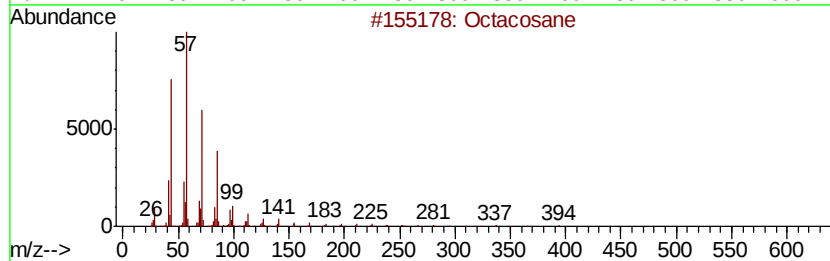
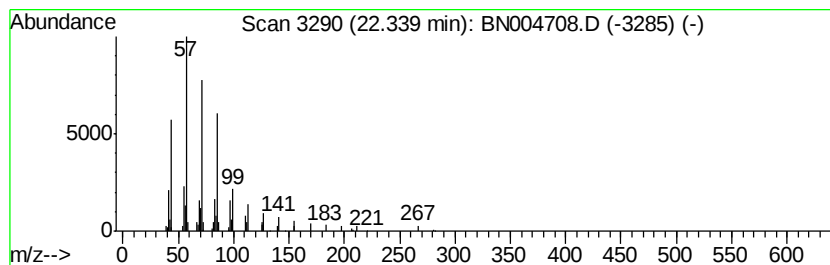
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.34 | 3.29 ng/ul | 110583 | Chrysene-d12     | 21.31 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |



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Quant Title : SVOA CALIBRATION

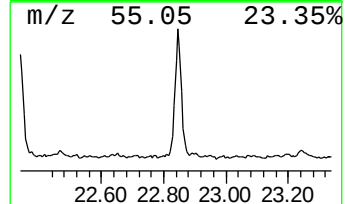
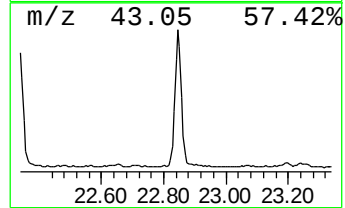
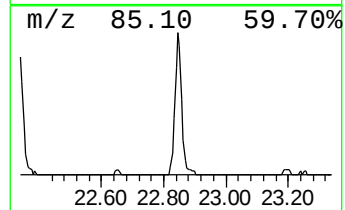
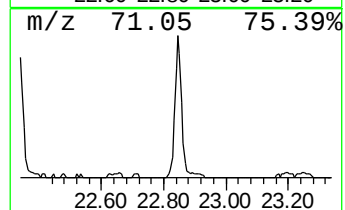
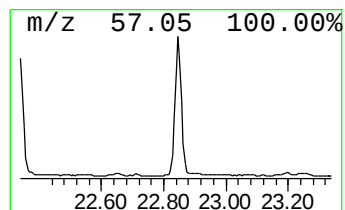
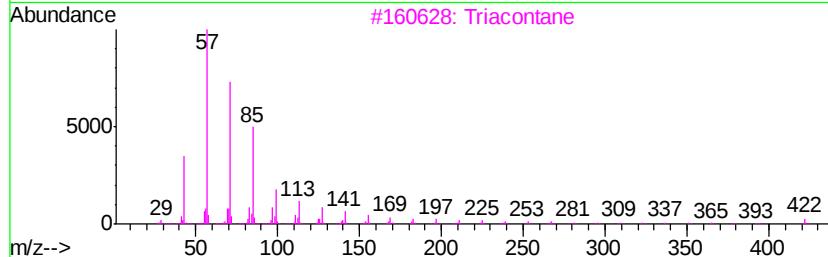
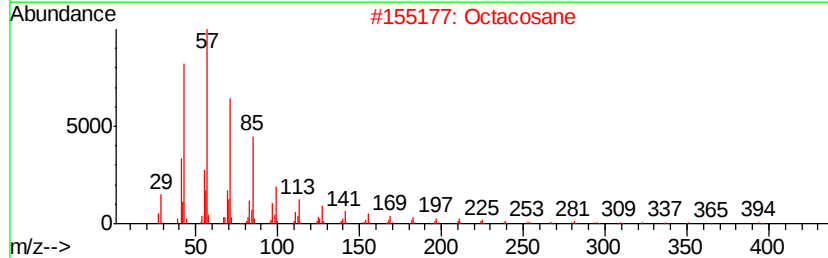
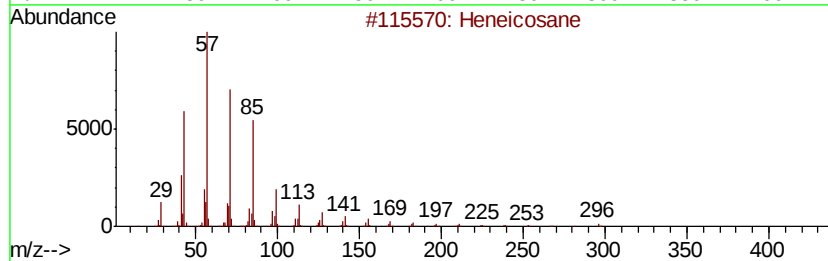
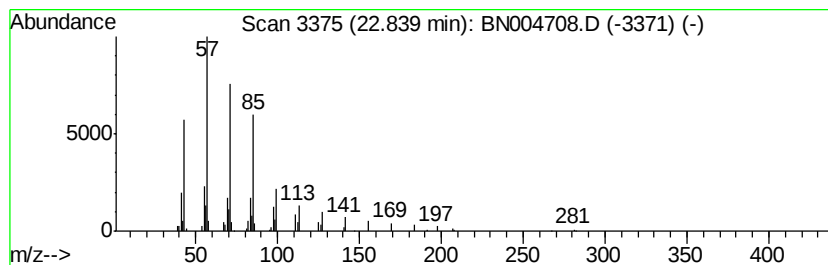
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.84 | 4.65 ng/ul | 134922 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | triacontane      | 422 | C30H62  | 000638-68-6 | 91   |
| 4    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Tetracosane      | 338 | C24H50  | 000646-31-1 | 91   |



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Quant Title : SVOA CALIBRATION

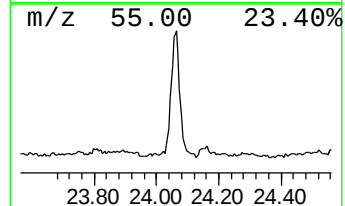
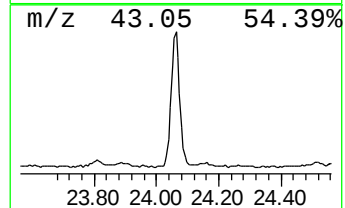
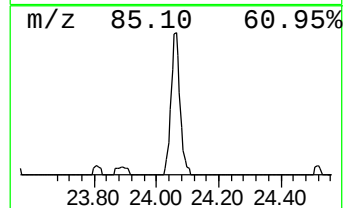
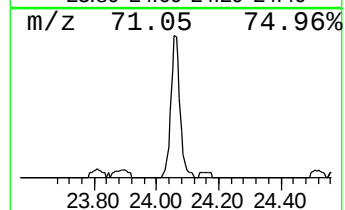
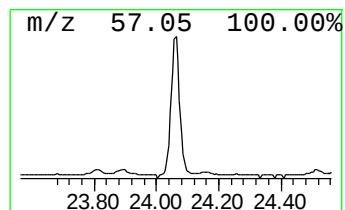
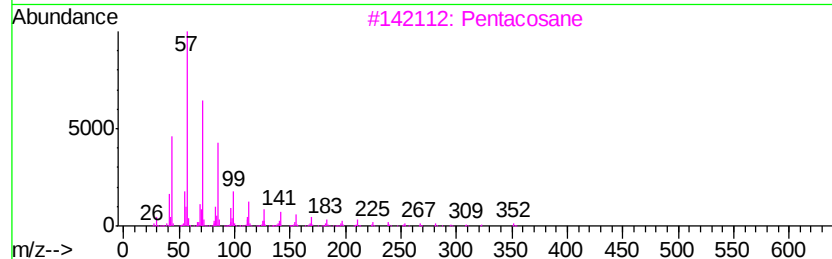
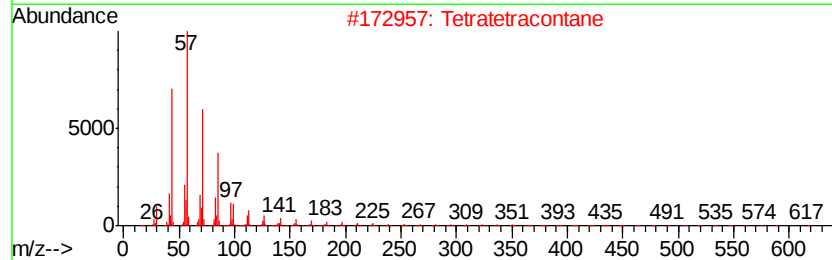
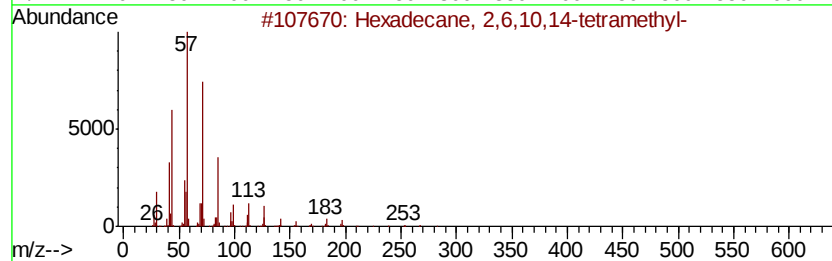
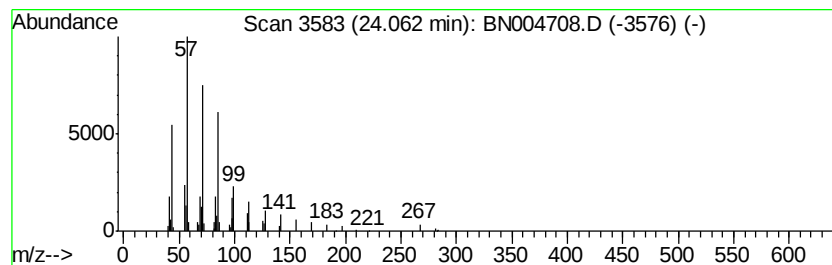
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.06 | 4.50 ng/ul | 130500 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 92   |
| 2    |    | Tetratetracontane                  | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Pentacosane                        | 352 | C25H52  | 000629-99-2 | 91   |
| 4    |    | Tetratriacontane                   | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    | Octacosane                         | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\  
Data File : BN004708.D  
Acq On : 09 Mar 2019 12:42  
Operator : JU/SJ  
Sample : K1736-03  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

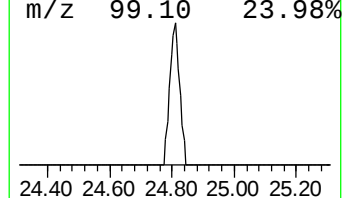
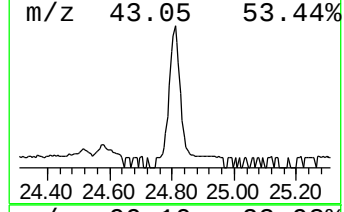
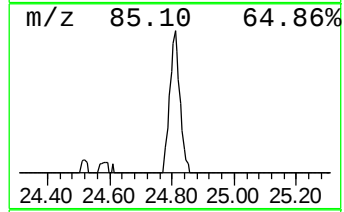
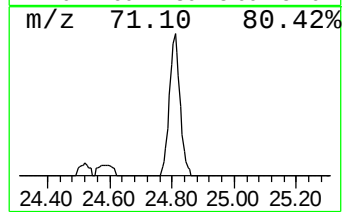
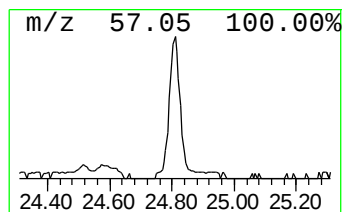
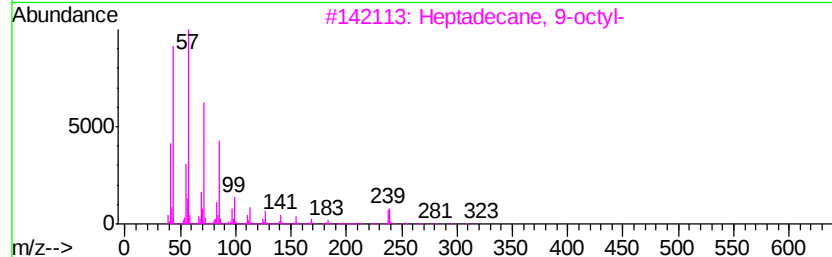
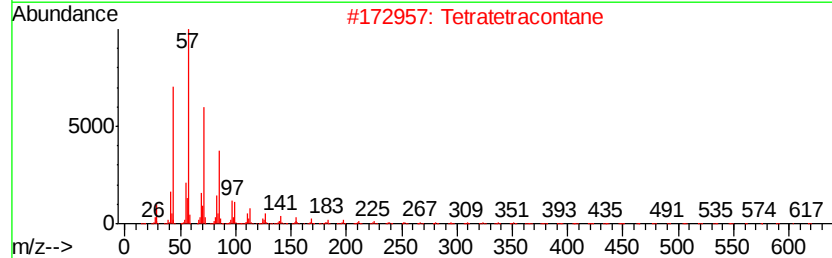
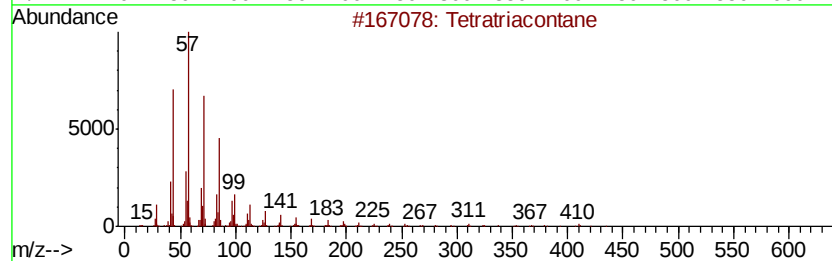
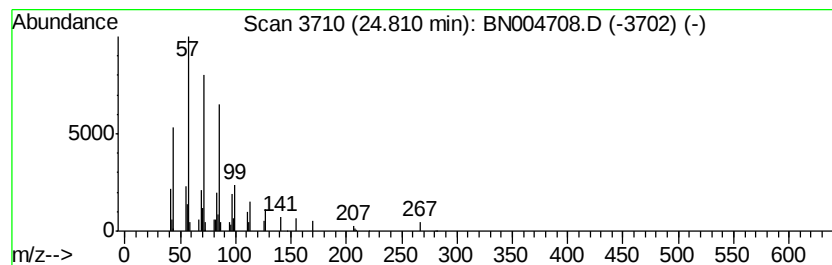
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.81 | 3.70 ng/ul | 107351 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 4    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 90   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN030819\  
Data File : BN004708.D  
Acq On : 09 Mar 2019 12:42  
Operator : JU/SJ  
Sample : K1736-03  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
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... |  | 21.87 | 2.2     | ng/ul | 75133    | 5                     | 21.31 | 671357 | 20.0 |
| (DEL) Alkane: Str... |  | 22.34 | 3.3     | ng/ul | 110583   | 5                     | 21.31 | 671357 | 20.0 |
| (DEL) Alkane: Str... |  | 22.84 | 4.7     | ng/ul | 134922   | 6                     | 23.57 | 580270 | 20.0 |
| (DEL) Alkane: Str... |  | 24.06 | 4.5     | ng/ul | 130500   | 6                     | 23.57 | 580270 | 20.0 |
| (DEL) Alkane: Str... |  | 24.81 | 3.7     | ng/ul | 107351   | 6                     | 23.57 | 580270 | 20.0 |