

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
 Data File : BM025702.D  
 Acq On : 23 Mar 2020 21:20  
 Operator : CG/JU  
 Sample : L1890-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0D95

## 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-BM031420MA.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         | 3.851       | 162           | 164         | 170          | rVB4     | 10790          | 13388         | 0.25%           | 0.028%        |
| 2         | 6.757       | 652           | 658         | 671          | rVB      | 154556         | 271165        | 5.01%           | 0.575%        |
| 3         | 6.916       | 677           | 685         | 694          | rBV      | 568957         | 887919        | 16.41%          | 1.882%        |
| 4         | 7.110       | 711           | 718         | 727          | rBV      | 654672         | 995460        | 18.40%          | 2.110%        |
| 5         | 7.575       | 791           | 797         | 805          | rBV      | 708213         | 1086487       | 20.08%          | 2.303%        |
| 6         | 8.281       | 911           | 917         | 928          | rVB      | 456988         | 702632        | 12.98%          | 1.489%        |
| 7         | 8.716       | 983           | 991         | 1000         | rBV      | 745561         | 1190245       | 22.00%          | 2.523%        |
| 8         | 9.169       | 1064          | 1068        | 1077         | rVB7     | 17878          | 40861         | 0.76%           | 0.087%        |
| 9         | 9.433       | 1106          | 1113        | 1121         | rBV      | 581509         | 946482        | 17.49%          | 2.006%        |
| 10        | 9.969       | 1197          | 1204        | 1212         | rBV      | 902972         | 1444639       | 26.70%          | 3.062%        |
| 11        | 10.339      | 1260          | 1267        | 1274         | rVB      | 928865         | 1508670       | 27.88%          | 3.198%        |
| 12        | 10.486      | 1284          | 1292        | 1297         | rBV      | 34345          | 62826         | 1.16%           | 0.133%        |
| 13        | 10.898      | 1357          | 1362        | 1368         | rBV4     | 5623           | 8083          | 0.15%           | 0.017%        |
| 14        | 10.998      | 1377          | 1379        | 1384         | rVB5     | 4083           | 5688          | 0.11%           | 0.012%        |
| 15        | 11.939      | 1533          | 1539        | 1543         | rBV      | 13593          | 21305         | 0.39%           | 0.045%        |
| 16        | 11.998      | 1546          | 1549        | 1551         | rVV3     | 9250           | 11509         | 0.21%           | 0.024%        |
| 17        | 12.027      | 1551          | 1554        | 1560         | rVV3     | 12165          | 24776         | 0.46%           | 0.053%        |
| 18        | 12.168      | 1576          | 1578        | 1582         | rVV5     | 5842           | 8631          | 0.16%           | 0.018%        |
| 19        | 13.015      | 1716          | 1722        | 1728         | rBV      | 103732         | 146169        | 2.70%           | 0.310%        |
| 20        | 13.133      | 1736          | 1742        | 1747         | rBV4     | 44446          | 71039         | 1.31%           | 0.151%        |
| 21        | 13.210      | 1750          | 1755        | 1763         | rVB      | 72777          | 108356        | 2.00%           | 0.230%        |
| 22        | 13.627      | 1820          | 1826        | 1832         | rBV      | 1763937        | 2396212       | 44.28%          | 5.079%        |
| 23        | 13.674      | 1832          | 1834        | 1841         | rVB      | 58963          | 73380         | 1.36%           | 0.156%        |
| 24        | 13.898      | 1866          | 1872        | 1881         | rBV      | 1997261        | 2800841       | 51.76%          | 5.937%        |
| 25        | 13.974      | 1881          | 1885        | 1891         | rVB5     | 16937          | 25309         | 0.47%           | 0.054%        |
| 26        | 14.104      | 1904          | 1907        | 1911         | rVB5     | 5428           | 8069          | 0.15%           | 0.017%        |
| 27        | 14.210      | 1918          | 1925        | 1933         | rVB2     | 1414241        | 2039198       | 37.68%          | 4.322%        |
| 28        | 14.415      | 1955          | 1960        | 1968         | rBV2     | 132343         | 204009        | 3.77%           | 0.432%        |
| 29        | 14.757      | 2009          | 2018        | 2029         | rBV3     | 106366         | 377969        | 6.98%           | 0.801%        |
| 30        | 15.045      | 2064          | 2067        | 2071         | rVB4     | 5143           | 7044          | 0.13%           | 0.015%        |
| 31        | 15.104      | 2074          | 2077        | 2082         | rVB7     | 6096           | 9088          | 0.17%           | 0.019%        |
| 32        | 15.209      | 2089          | 2095        | 2104         | rVB      | 2731743        | 3700685       | 68.39%          | 7.844%        |
| 33        | 15.333      | 2110          | 2116        | 2126         | rBV      | 829166         | 1130360       | 20.89%          | 2.396%        |
| 34        | 15.451      | 2131          | 2136        | 2142         | rVB      | 29449          | 39380         | 0.73%           | 0.083%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.998 | 2226 | 2229 | 2233 | rVB4 | 8476    | 10092   | 0.19%   | 0.021%  |
| 36 | 16.321 | 2281 | 2284 | 2286 | rBV3 | 4845    | 5556    | 0.10%   | 0.012%  |
| 37 | 16.439 | 2301 | 2304 | 2308 | rVB6 | 9335    | 12217   | 0.23%   | 0.026%  |
| 38 | 16.486 | 2308 | 2312 | 2313 | rBV4 | 5695    | 8418    | 0.16%   | 0.018%  |
| 39 | 16.745 | 2353 | 2356 | 2364 | rVB6 | 8313    | 16150   | 0.30%   | 0.034%  |
| 40 | 16.956 | 2386 | 2392 | 2398 | rBV  | 1719610 | 2389342 | 44.15%  | 5.064%  |
| 41 | 17.056 | 2403 | 2409 | 2418 | rBV  | 3151505 | 4280017 | 79.09%  | 9.072%  |
| 42 | 17.368 | 2459 | 2462 | 2466 | rBV4 | 16038   | 18644   | 0.34%   | 0.040%  |
| 43 | 17.880 | 2545 | 2549 | 2553 | rBV2 | 86789   | 104245  | 1.93%   | 0.221%  |
| 44 | 17.945 | 2555 | 2560 | 2562 | rBV5 | 22823   | 31774   | 0.59%   | 0.067%  |
| 45 | 18.992 | 2735 | 2738 | 2745 | rVB4 | 42402   | 59738   | 1.10%   | 0.127%  |
| 46 | 19.356 | 2794 | 2800 | 2806 | rVV  | 3748437 | 4927223 | 91.05%  | 10.444% |
| 47 | 19.403 | 2806 | 2808 | 2812 | rVB3 | 23826   | 28505   | 0.53%   | 0.060%  |
| 48 | 20.227 | 2946 | 2948 | 2951 | rBV3 | 15131   | 16681   | 0.31%   | 0.035%  |
| 49 | 20.891 | 3057 | 3061 | 3066 | rBV3 | 95368   | 134869  | 2.49%   | 0.286%  |
| 50 | 21.150 | 3100 | 3105 | 3110 | rBV  | 2330164 | 2741608 | 50.66%  | 5.811%  |
| 51 | 21.338 | 3135 | 3137 | 3140 | rVB2 | 41674   | 39128   | 0.72%   | 0.083%  |
| 52 | 21.762 | 3206 | 3209 | 3214 | rVB4 | 82038   | 97791   | 1.81%   | 0.207%  |
| 53 | 22.209 | 3282 | 3285 | 3289 | rVB  | 141006  | 154266  | 2.85%   | 0.327%  |
| 54 | 22.697 | 3364 | 3368 | 3375 | rVB  | 195981  | 265712  | 4.91%   | 0.563%  |
| 55 | 23.168 | 3441 | 3448 | 3455 | rBV  | 3235470 | 5411351 | 100.00% | 11.470% |
| 56 | 23.238 | 3456 | 3460 | 3464 | rVV  | 252521  | 370167  | 6.84%   | 0.785%  |
| 57 | 23.303 | 3465 | 3471 | 3483 | rVB  | 1700446 | 2993161 | 55.31%  | 6.344%  |
| 58 | 23.850 | 3560 | 3564 | 3571 | rVB  | 203711  | 339962  | 6.28%   | 0.721%  |
| 59 | 24.556 | 3680 | 3684 | 3695 | rVB  | 179265  | 354566  | 6.55%   | 0.752%  |

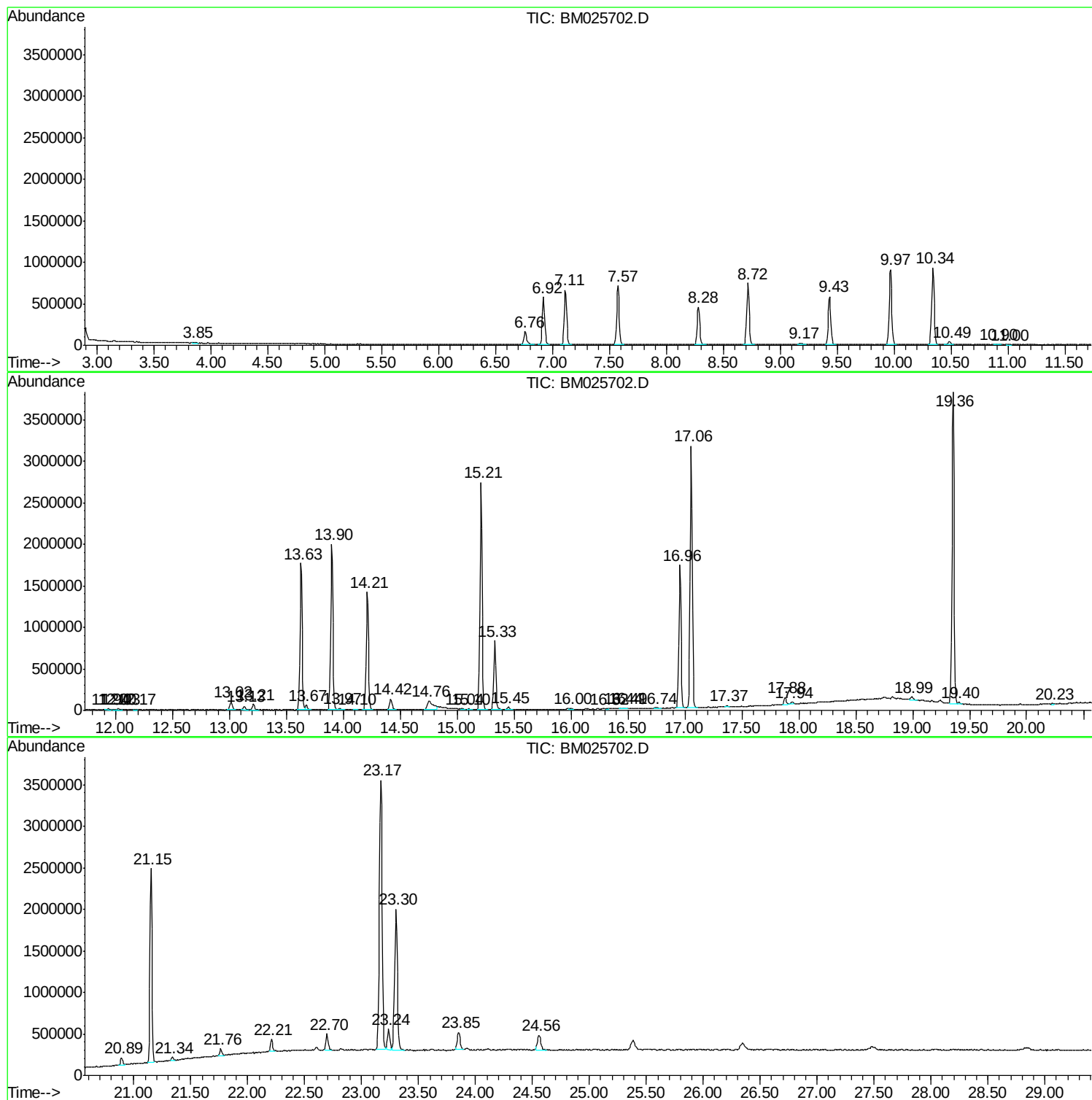
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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



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Sample : L1890-05  
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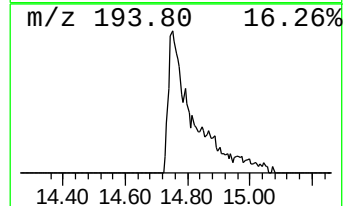
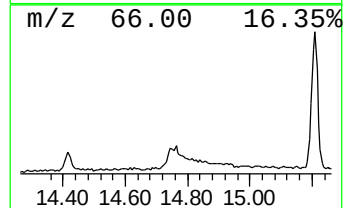
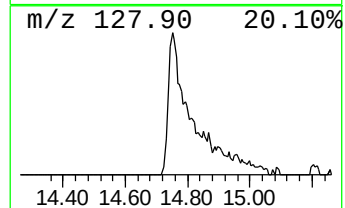
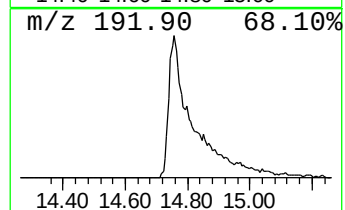
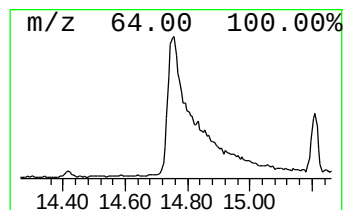
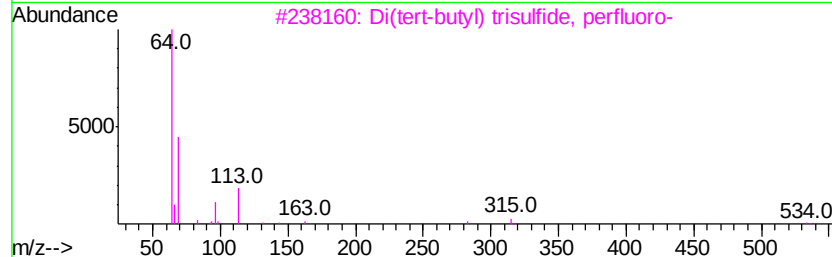
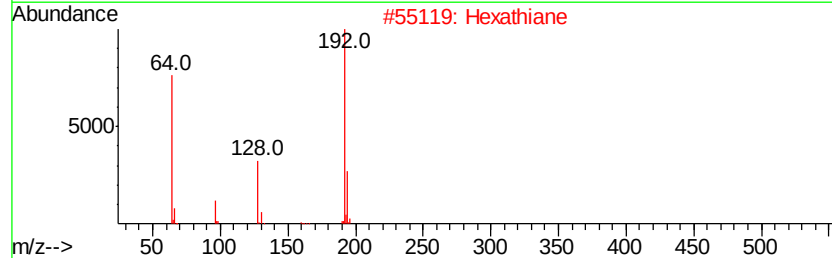
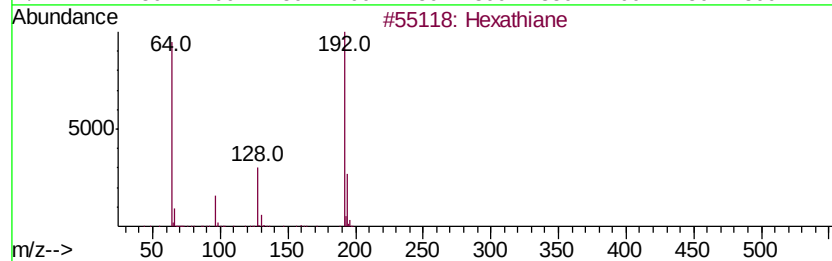
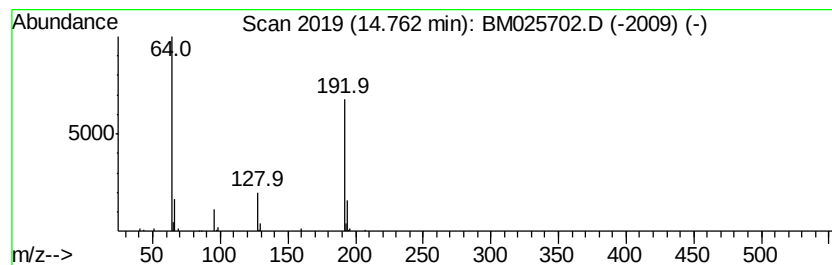
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Hexathiane Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 14.76   | 3.71 ng/ul                          | 377969       | Acenaphthene-d10 | 14.21          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Hexathiane                          |              | 192 S6           | 013798-23-7 91 |
| 2       | Hexathiane                          |              | 192 S6           | 013798-23-7 91 |
| 3       | Di(tert-butyl) trisulfide, perfl... |              | 534 C8F18S3      | 016005-64-4 9  |
| 4       | 2,3-Diazabicyclo[3.2.0]hept-2-en... |              | 176 C7H7F3N2     | 1000258-92-2 9 |
| 5       | 2-Chloro-7-methoxynaphthalene       |              | 192 C11H9ClO     | 067061-67-0 5  |



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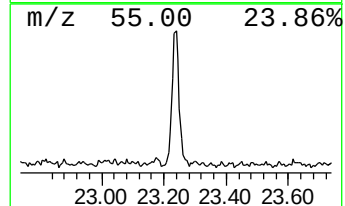
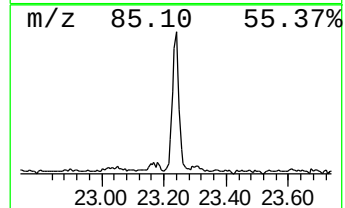
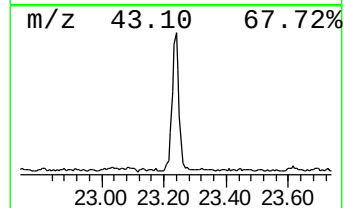
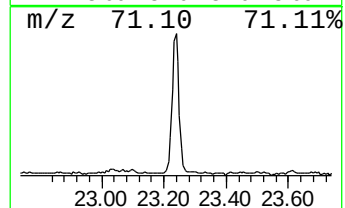
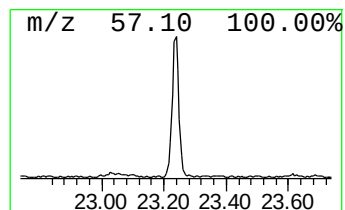
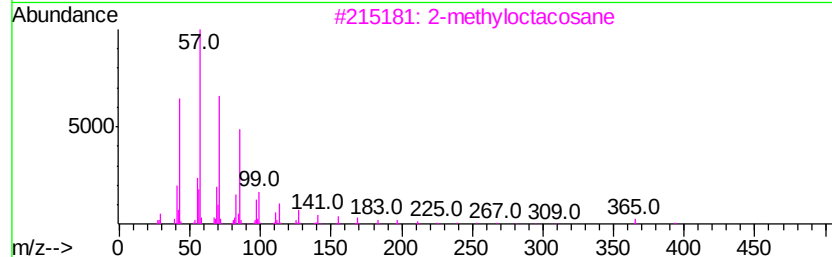
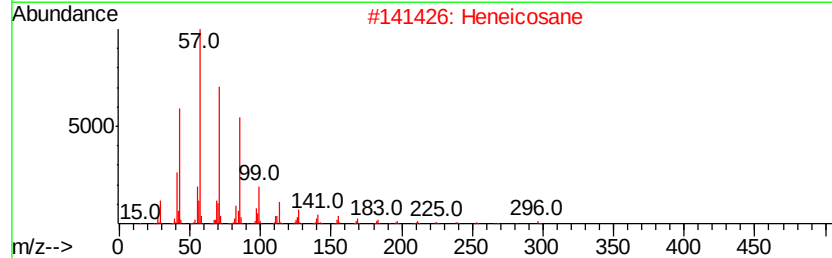
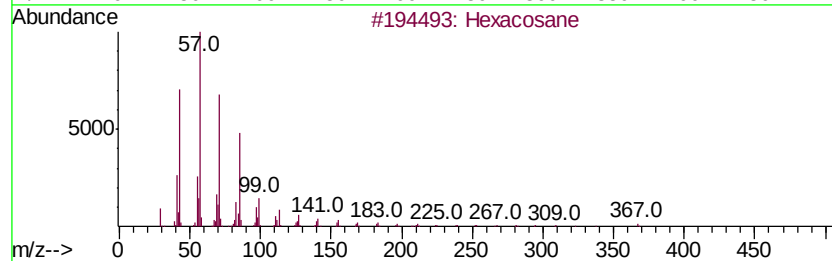
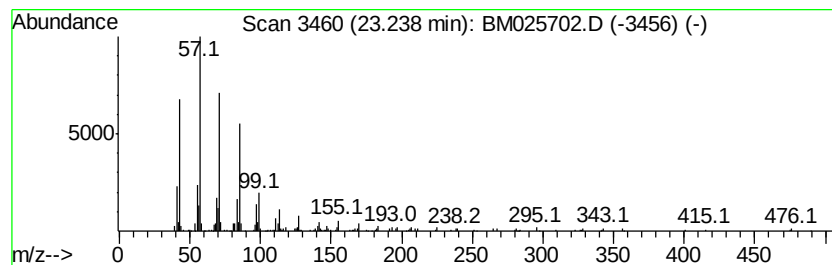
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 23.24   | 2.47 ng/ul            | 370167       | Perylene-d12     | 23.30     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexacosane            | 366 C26H54   | 000630-01-3      | 90        |
| 2       | Heneicosane           | 296 C21H44   | 000629-94-7      | 90        |
| 3       | 2-methyloctacosane    | 408 C29H60   | 1000376-72-8     | 90        |
| 4       | triacontane           | 422 C30H62   | 000638-68-6      | 87        |
| 5       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 87        |



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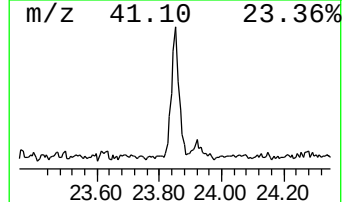
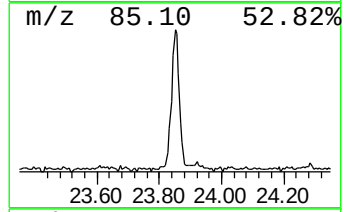
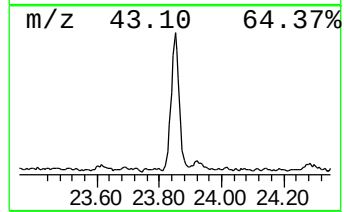
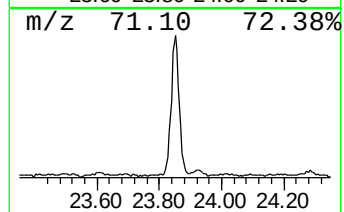
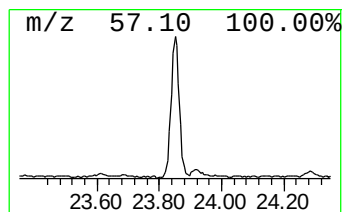
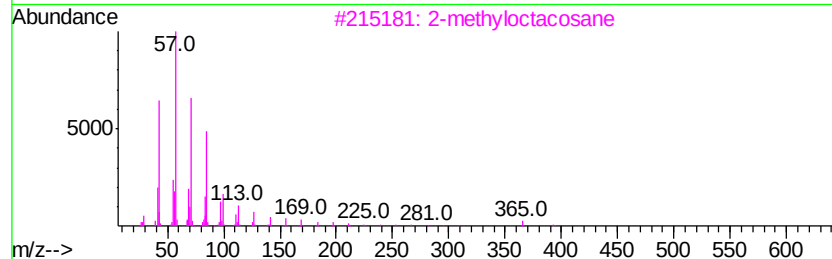
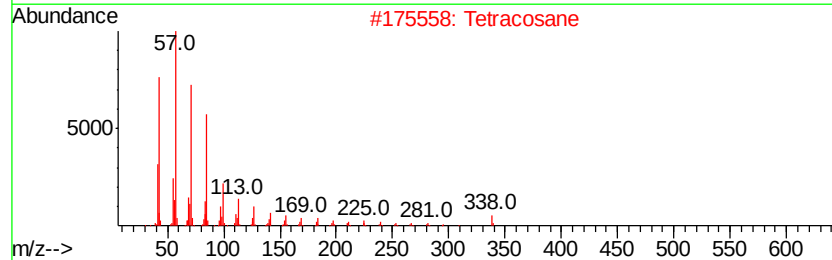
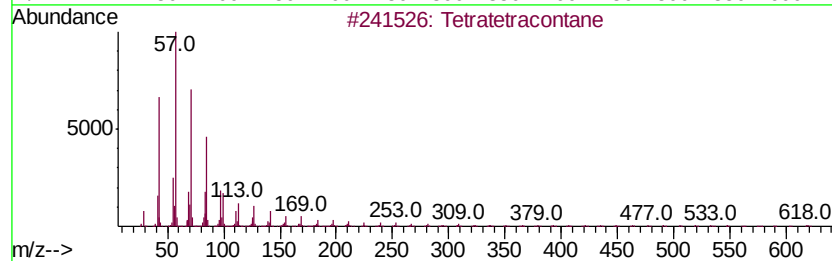
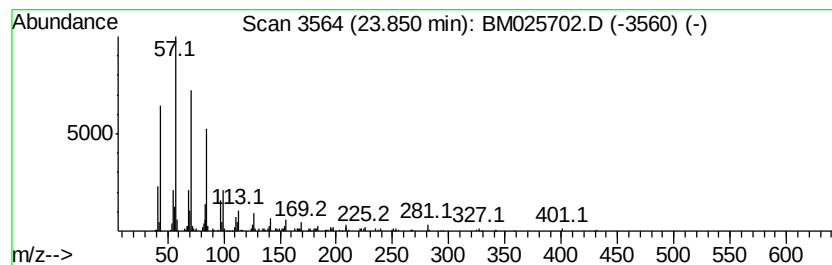
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.85 | 2.27 ng/ul | 339962 | Perylene-d12     | 23.30 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 91   |
| 2    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 90   |
| 3    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 4    |    | Pentacosane        | 352 | C25H52  | 000629-99-2  | 90   |
| 5    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 87   |



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Quant Title : SVOA CALIBRATION

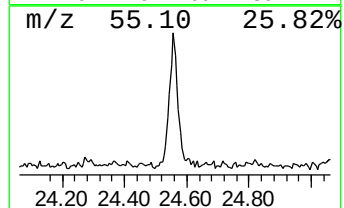
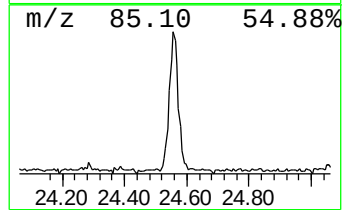
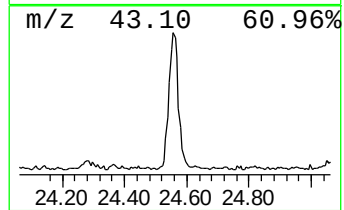
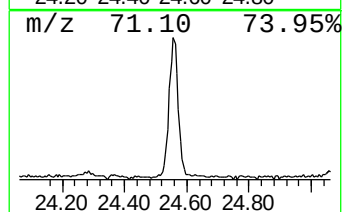
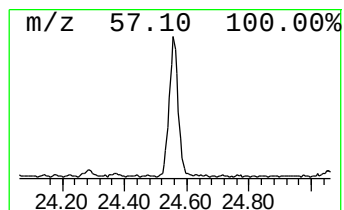
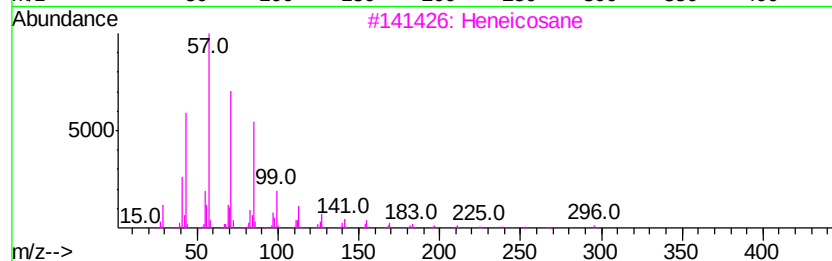
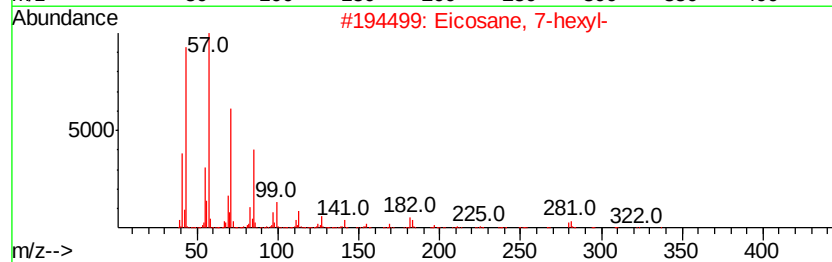
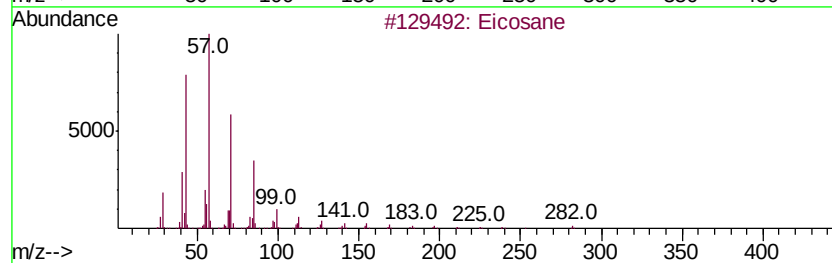
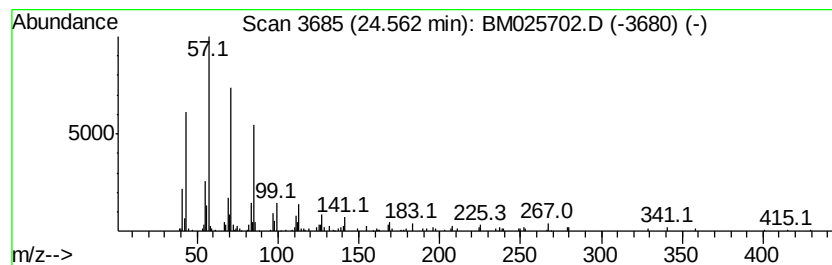
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.56 | 2.37 ng/ul | 354566 | Perylene-d12     | 23.30 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 91   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Hexacosane         | 366 | C26H54  | 000630-01-3 | 90   |
| 5    |    | Tetracosane        | 338 | C24H50  | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032320\  
Data File : BM025702.D  
Acq On : 23 Mar 2020 21:20  
Operator : CG/JU  
Sample : L1890-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0D95

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Hexathiane           | 14.76 | 3.7     | ng/ul | 377969   | 3                     | 14.21 | 2039200 | 20.0 |
| (DEL) Alkane: Str... | 23.24 | 2.5     | ng/ul | 370167   | 6                     | 23.30 | 2993160 | 20.0 |
| (DEL) Alkane: Str... | 23.85 | 2.3     | ng/ul | 339962   | 6                     | 23.30 | 2993160 | 20.0 |
| (DEL) Alkane: Str... | 24.56 | 2.4     | ng/ul | 354566   | 6                     | 23.30 | 2993160 | 20.0 |