

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071119\  
 Data File : BM021442.D  
 Acq On : 11 Jul 2019 23:50  
 Operator : HP/JU  
 Sample : K3762-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF4C5

## 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-BM070819MA.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         | 6.910       | 660           | 667         | 677          | rVB2     | 154340         | 307993        | 6.27%           | 0.723%        |
| 2         | 7.075       | 689           | 695         | 709          | rVB      | 452121         | 739730        | 15.05%          | 1.736%        |
| 3         | 7.263       | 721           | 727         | 738          | rVB      | 522786         | 855428        | 17.41%          | 2.007%        |
| 4         | 7.734       | 801           | 807         | 813          | rBV      | 639952         | 1030635       | 20.97%          | 2.418%        |
| 5         | 7.792       | 813           | 817         | 822          | rVB2     | 32932          | 51206         | 1.04%           | 0.120%        |
| 6         | 8.439       | 921           | 927         | 936          | rBV      | 415507         | 671679        | 13.67%          | 1.576%        |
| 7         | 8.563       | 945           | 948         | 954          | rVB3     | 11043          | 17924         | 0.36%           | 0.042%        |
| 8         | 8.828       | 988           | 993         | 998          | rBV2     | 30043          | 49251         | 1.00%           | 0.116%        |
| 9         | 8.892       | 998           | 1004        | 1011         | rBV      | 586601         | 984673        | 20.04%          | 2.310%        |
| 10        | 9.045       | 1027          | 1030        | 1037         | rVB5     | 16353          | 24216         | 0.49%           | 0.057%        |
| 11        | 9.257       | 1062          | 1066        | 1070         | rVB3     | 7181           | 10835         | 0.22%           | 0.025%        |
| 12        | 9.610       | 1119          | 1126        | 1141         | rVB      | 487716         | 837148        | 17.04%          | 1.964%        |
| 13        | 9.792       | 1151          | 1157        | 1161         | rVB4     | 3473           | 6892          | 0.14%           | 0.016%        |
| 14        | 10.145      | 1210          | 1217        | 1228         | rBV      | 711063         | 1287385       | 26.20%          | 3.020%        |
| 15        | 10.439      | 1262          | 1267        | 1273         | rBV2     | 19117          | 36823         | 0.75%           | 0.086%        |
| 16        | 10.516      | 1273          | 1280        | 1287         | rVV      | 862693         | 1447944       | 29.46%          | 3.397%        |
| 17        | 10.575      | 1287          | 1290        | 1295         | rVB5     | 6582           | 10340         | 0.21%           | 0.024%        |
| 18        | 10.680      | 1301          | 1308        | 1316         | rBV2     | 38102          | 75124         | 1.53%           | 0.176%        |
| 19        | 11.327      | 1414          | 1418        | 1421         | rVB4     | 3704           | 5305          | 0.11%           | 0.012%        |
| 20        | 11.821      | 1496          | 1502        | 1512         | rBV      | 46862          | 85386         | 1.74%           | 0.200%        |
| 21        | 12.116      | 1547          | 1552        | 1561         | rVB3     | 9372           | 19080         | 0.39%           | 0.045%        |
| 22        | 12.974      | 1693          | 1698        | 1704         | rVB4     | 12545          | 17168         | 0.35%           | 0.040%        |
| 23        | 13.316      | 1750          | 1756        | 1767         | rBV3     | 42217          | 103046        | 2.10%           | 0.242%        |
| 24        | 13.792      | 1830          | 1837        | 1842         | rBV      | 1533327        | 2034629       | 41.40%          | 4.774%        |
| 25        | 13.839      | 1842          | 1845        | 1851         | rVB      | 84591          | 109584        | 2.23%           | 0.257%        |
| 26        | 14.068      | 1877          | 1884        | 1896         | rBV      | 1746723        | 2484866       | 50.57%          | 5.830%        |
| 27        | 14.374      | 1929          | 1936        | 1944         | rBV2     | 1312340        | 2000151       | 40.70%          | 4.693%        |
| 28        | 14.457      | 1946          | 1950        | 1953         | rVB4     | 9031           | 12282         | 0.25%           | 0.029%        |
| 29        | 14.580      | 1967          | 1971        | 1972         | rBV2     | 4430           | 5042          | 0.10%           | 0.012%        |
| 30        | 14.615      | 1972          | 1977        | 1990         | rVB2     | 43369          | 103998        | 2.12%           | 0.244%        |
| 31        | 14.980      | 2032          | 2039        | 2043         | rBV5     | 2773           | 4917          | 0.10%           | 0.012%        |
| 32        | 15.057      | 2045          | 2052        | 2057         | rBV      | 24005          | 40058         | 0.82%           | 0.094%        |
| 33        | 15.215      | 2077          | 2079        | 2083         | rVB3     | 6097           | 6921          | 0.14%           | 0.016%        |
| 34        | 15.374      | 2099          | 2106        | 2117         | rBV      | 2193332        | 3171936       | 64.55%          | 7.442%        |

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 Sample : K3762-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF4C5

## 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-BM070819MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.504 | 2123 | 2128 | 2143 | rBV  | 457132  | 663682  | 13.51%  | 1.557%  |
| 36 | 15.615 | 2143 | 2147 | 2151 | rVB2 | 22752   | 30574   | 0.62%   | 0.072%  |
| 37 | 15.745 | 2165 | 2169 | 2173 | rBV2 | 7236    | 9309    | 0.19%   | 0.022%  |
| 38 | 15.868 | 2183 | 2190 | 2195 | rBV4 | 3273    | 4982    | 0.10%   | 0.012%  |
| 39 | 16.086 | 2221 | 2227 | 2232 | rBV4 | 7159    | 14018   | 0.29%   | 0.033%  |
| 40 | 16.151 | 2236 | 2238 | 2244 | rBV4 | 8287    | 12144   | 0.25%   | 0.028%  |
| 41 | 16.721 | 2329 | 2335 | 2338 | rVB6 | 4640    | 7433    | 0.15%   | 0.017%  |
| 42 | 16.874 | 2354 | 2361 | 2365 | rBV6 | 5829    | 10499   | 0.21%   | 0.025%  |
| 43 | 16.921 | 2365 | 2369 | 2371 | rVB2 | 6066    | 6999    | 0.14%   | 0.016%  |
| 44 | 17.021 | 2383 | 2386 | 2391 | rVB4 | 5296    | 7671    | 0.16%   | 0.018%  |
| 45 | 17.127 | 2398 | 2404 | 2414 | rBV2 | 1704522 | 2353308 | 47.89%  | 5.521%  |
| 46 | 17.227 | 2414 | 2421 | 2432 | rBV  | 2507943 | 3491167 | 71.04%  | 8.191%  |
| 47 | 17.609 | 2482 | 2486 | 2490 | rVB4 | 6872    | 10360   | 0.21%   | 0.024%  |
| 48 | 17.792 | 2510 | 2517 | 2523 | rBV  | 385094  | 461718  | 9.40%   | 1.083%  |
| 49 | 17.968 | 2542 | 2547 | 2551 | rBV5 | 3463    | 6617    | 0.13%   | 0.016%  |
| 50 | 18.015 | 2551 | 2555 | 2561 | rBV3 | 39980   | 60185   | 1.22%   | 0.141%  |
| 51 | 18.098 | 2566 | 2569 | 2571 | rBV3 | 4478    | 5741    | 0.12%   | 0.013%  |
| 52 | 18.303 | 2601 | 2604 | 2608 | rVB3 | 10558   | 11826   | 0.24%   | 0.028%  |
| 53 | 18.945 | 2710 | 2713 | 2718 | rVB3 | 15350   | 16336   | 0.33%   | 0.038%  |
| 54 | 19.156 | 2745 | 2749 | 2756 | rBV  | 32687   | 53972   | 1.10%   | 0.127%  |
| 55 | 19.297 | 2771 | 2773 | 2777 | rBV5 | 12248   | 14666   | 0.30%   | 0.034%  |
| 56 | 19.409 | 2790 | 2792 | 2795 | rVB2 | 15195   | 14982   | 0.30%   | 0.035%  |
| 57 | 19.521 | 2805 | 2811 | 2817 | rBV  | 3170091 | 4270820 | 86.91%  | 10.020% |
| 58 | 20.056 | 2899 | 2902 | 2906 | rBV  | 61521   | 64700   | 1.32%   | 0.152%  |
| 59 | 20.550 | 2983 | 2986 | 2990 | rBV  | 130557  | 150204  | 3.06%   | 0.352%  |
| 60 | 21.015 | 3062 | 3065 | 3072 | rBV  | 224968  | 277451  | 5.65%   | 0.651%  |
| 61 | 21.315 | 3111 | 3116 | 3123 | rBV  | 2141009 | 2754354 | 56.05%  | 6.462%  |
| 62 | 21.450 | 3136 | 3139 | 3143 | rBV  | 268915  | 275194  | 5.60%   | 0.646%  |
| 63 | 21.891 | 3210 | 3214 | 3218 | rBV  | 245092  | 299124  | 6.09%   | 0.702%  |
| 64 | 22.356 | 3289 | 3293 | 3299 | rBV  | 292748  | 383681  | 7.81%   | 0.900%  |
| 65 | 22.862 | 3376 | 3379 | 3385 | rVB  | 269437  | 353127  | 7.19%   | 0.829%  |
| 66 | 23.427 | 3469 | 3475 | 3486 | rVB  | 2655835 | 4914172 | 100.00% | 11.530% |
| 67 | 23.574 | 3494 | 3500 | 3512 | rVB  | 1582685 | 2961613 | 60.27%  | 6.949%  |

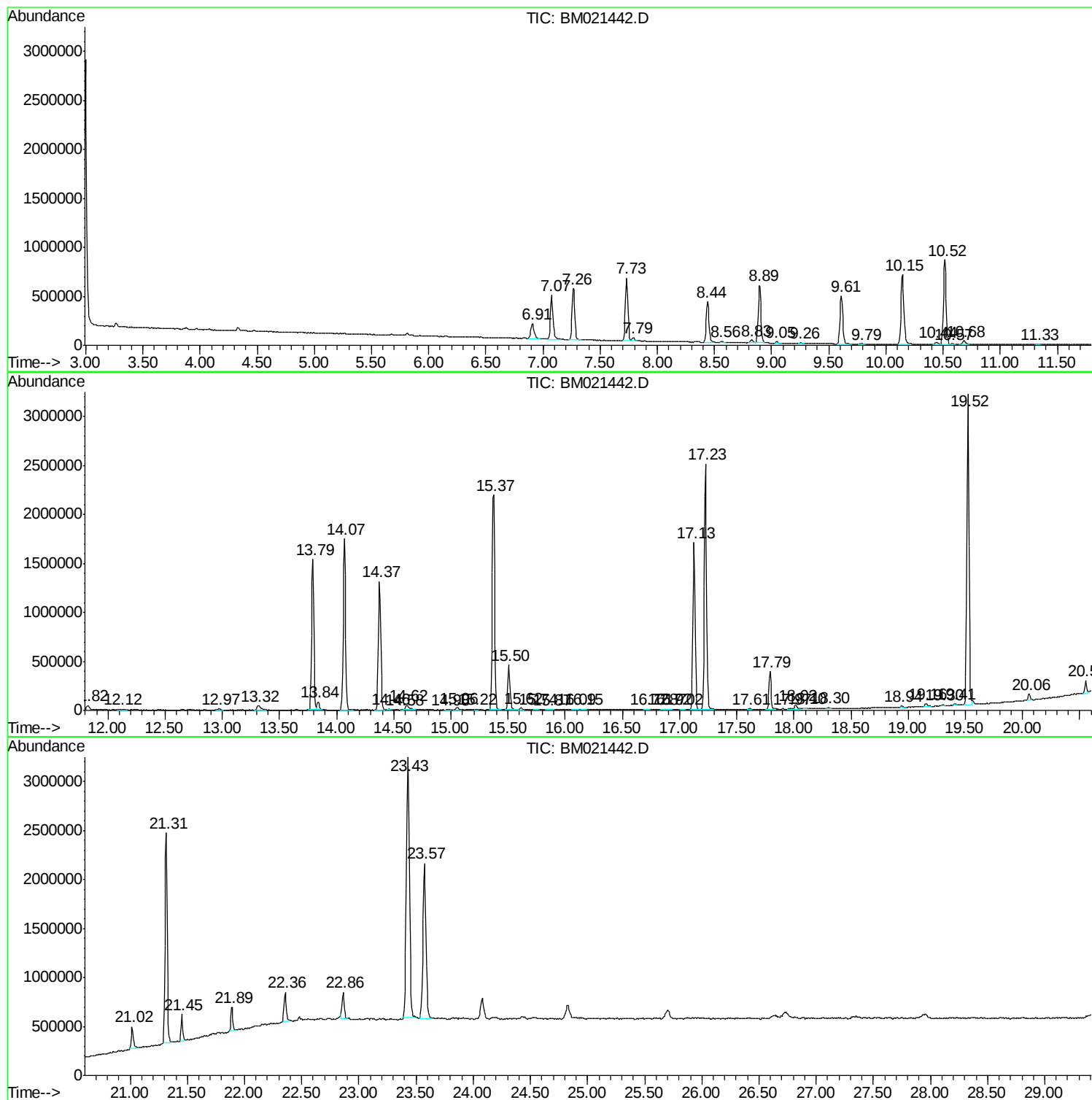
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF4C5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

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



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Operator : HP/JU  
Sample : K3762-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

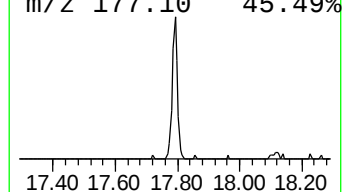
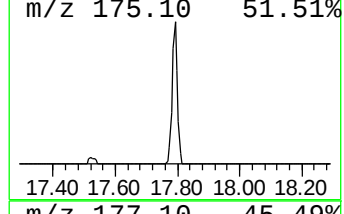
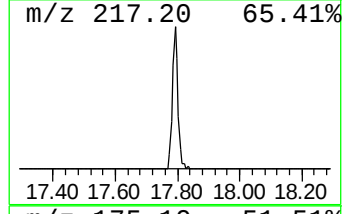
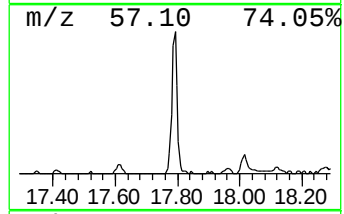
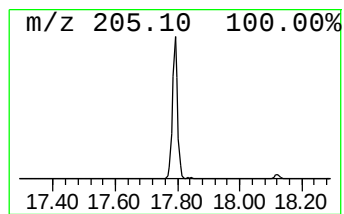
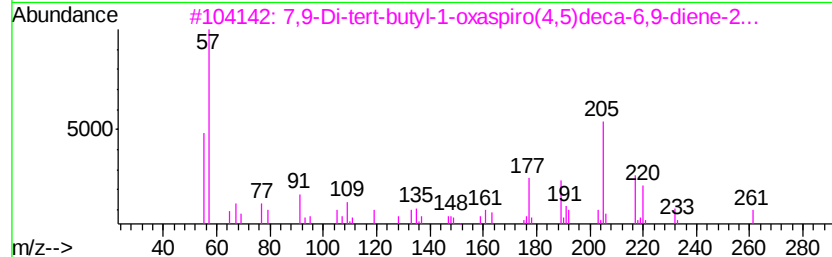
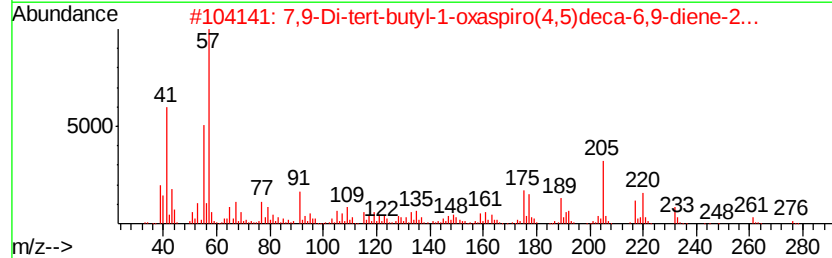
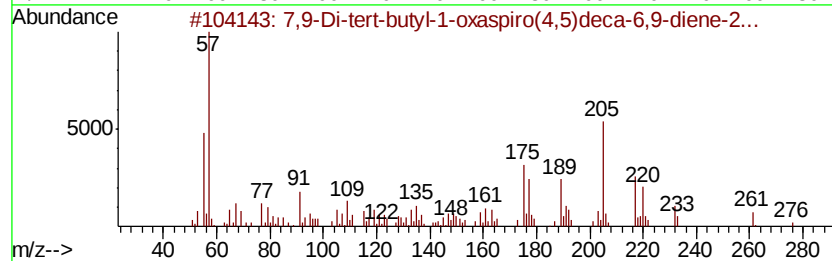
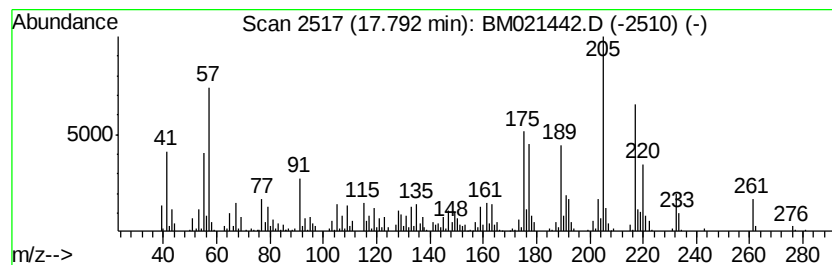
Instrument :  
BNA\_M  
ClientSampleId :  
BF4C5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 1

| R.T.      | EstConc                                               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------------------------|--------|------------------|-------------|------|
| 17.79     | 3.92 ng/ul                                            | 461718 | Phenanthrene-d10 | 17.13       |      |
| Hit# of 5 | Tentative ID                                          | MW     | MolForm          | CAS#        | Qual |
| 1         | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one | 276    | C17H24O3         | 082304-66-3 | 99   |
| 2         | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one | 276    | C17H24O3         | 082304-66-3 | 98   |
| 3         | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one | 276    | C17H24O3         | 082304-66-3 | 90   |
| 4         | 2,5-Cyclohexadien-1-one, 2,6-bis(4-methylphenyl)-     | 232    | C16H24O          | 006738-27-8 | 80   |
| 5         | 2,4-Dimethyl-5,6-dimethoxy-8-aminobenzofuran          | 232    | C13H16N2O2       | 064993-02-8 | 51   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

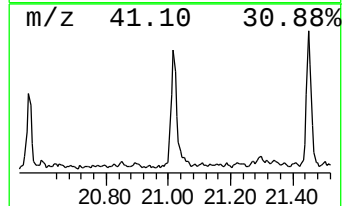
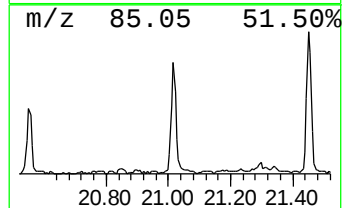
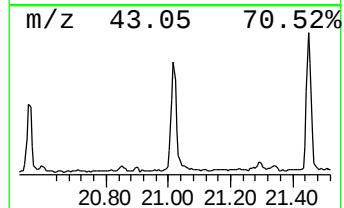
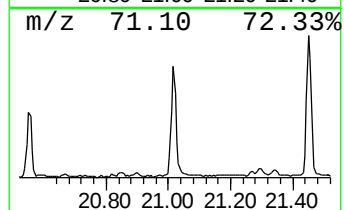
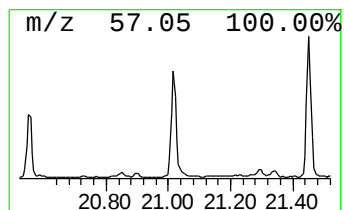
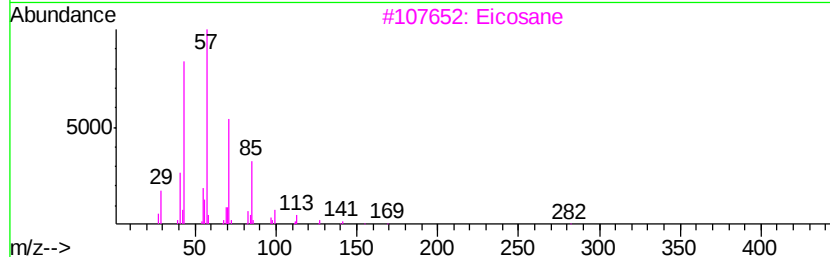
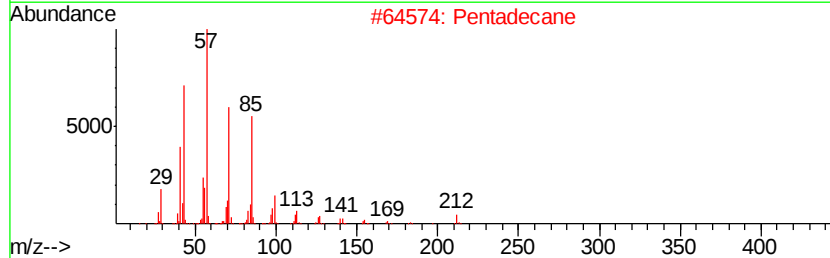
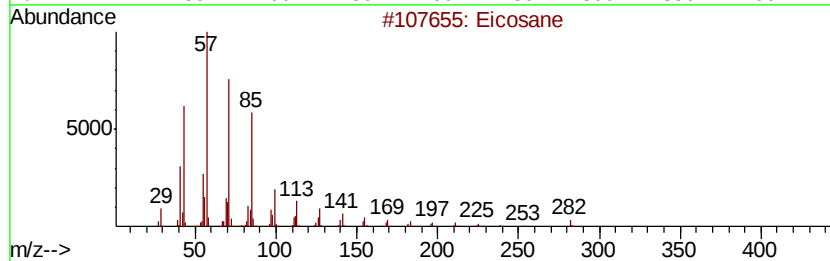
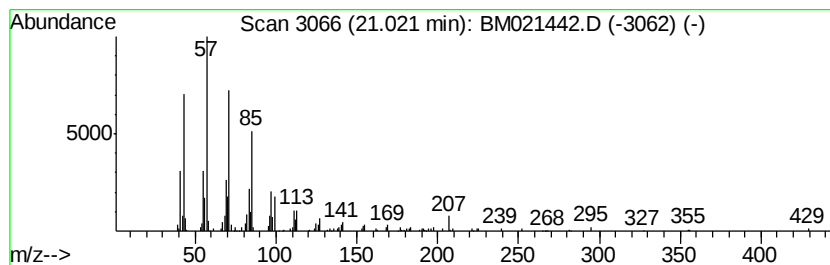
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.02 | 2.01 ng/ul | 277451 | Chrysene-d12     | 21.32 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42   | 000112-95-8 | 97   |
| 2    |    | Pentadecane            | 212 | C15H32   | 000629-62-9 | 90   |
| 3    |    | Eicosane               | 282 | C20H42   | 000112-95-8 | 89   |
| 4    |    | Heneicosane            | 296 | C21H44   | 000629-94-7 | 87   |
| 5    |    | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 87   |



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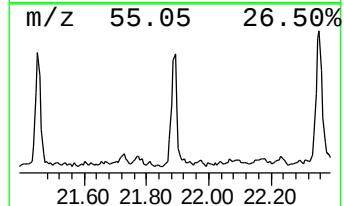
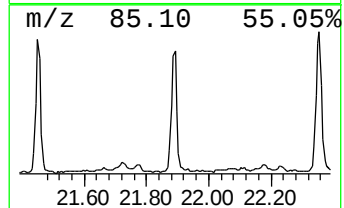
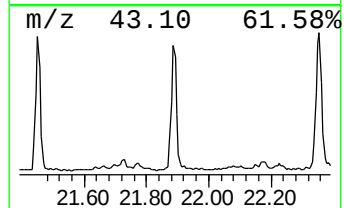
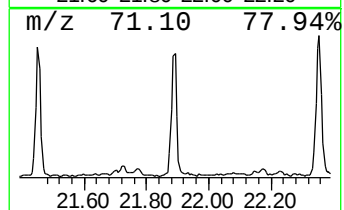
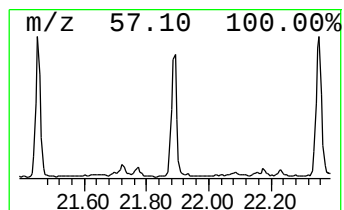
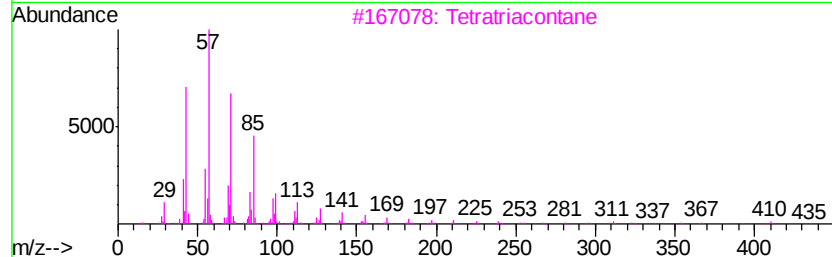
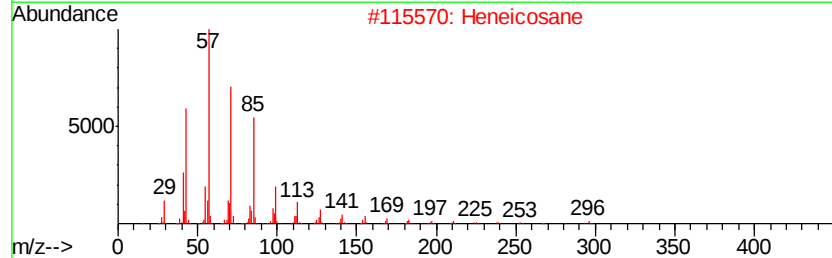
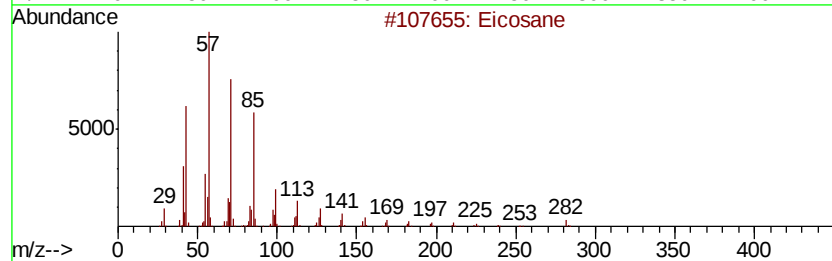
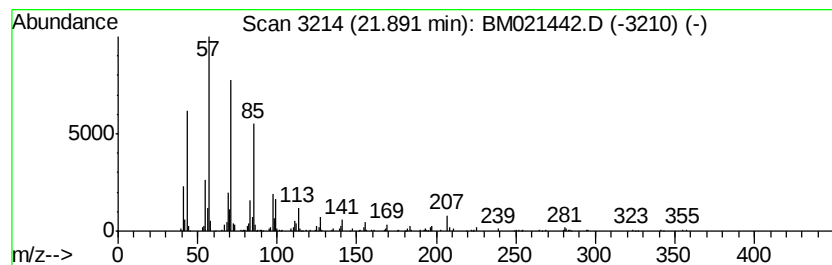
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.89 | 2.17 ng/ul | 299124 | Chrysene-d12     | 21.32 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane                         | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 90   |
| 4    |    | Hexadecane, 1-iodo-              | 352 | C16H33I | 000544-77-4 | 87   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

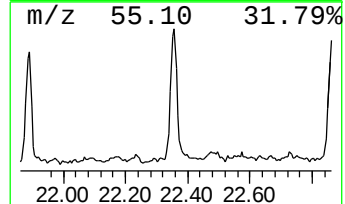
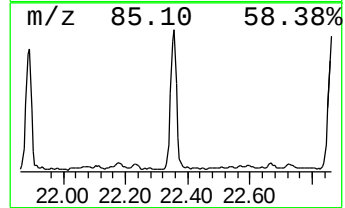
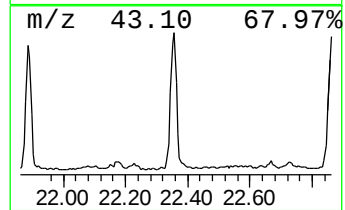
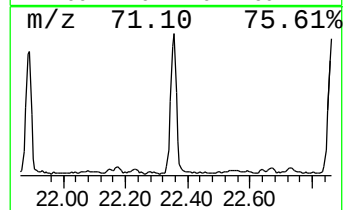
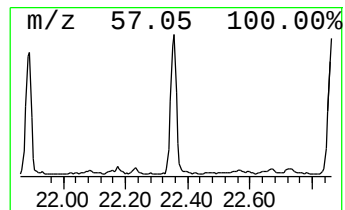
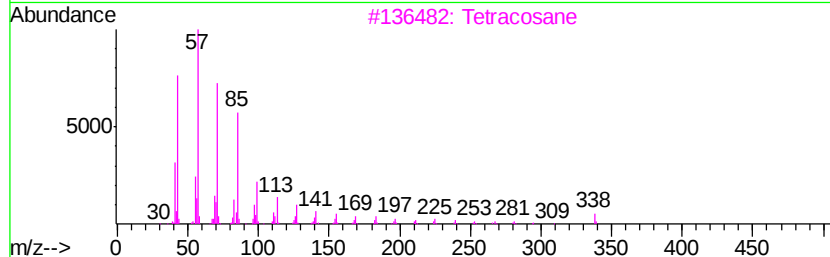
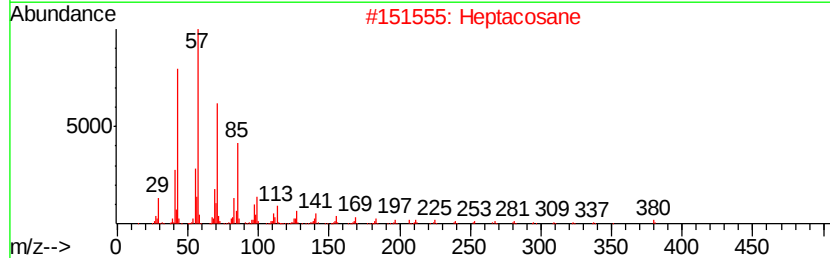
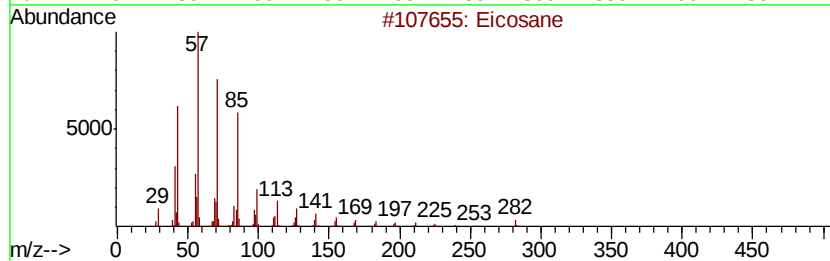
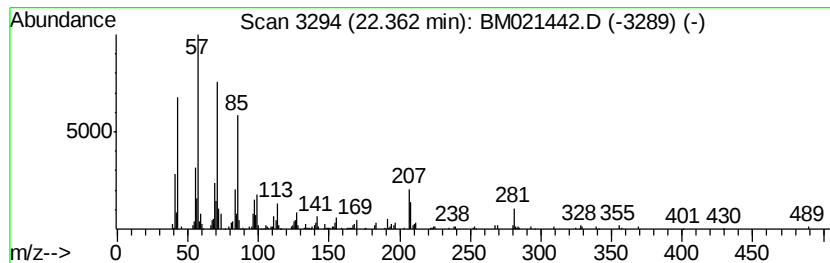
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.36 | 2.79 ng/ul | 383681 | Chrysene-d12     | 21.32 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane            | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Heptacosane         | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    | Tetracosane         | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5 | 91   |
| 5    |    | triacontane         | 422 | C30H62  | 000638-68-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071119\  
Data File : BM021442.D  
Acq On : 11 Jul 2019 23:50  
Operator : HP/JU  
Sample : K3762-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF4C5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

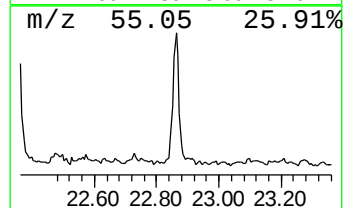
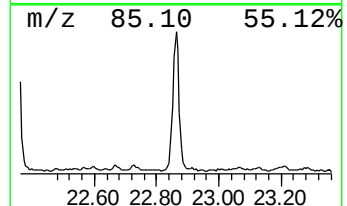
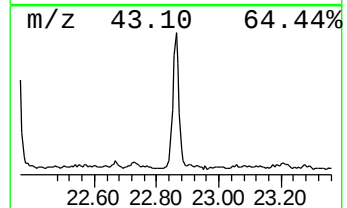
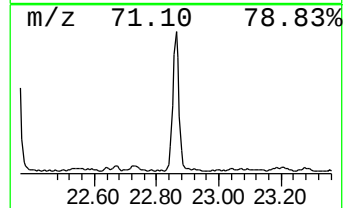
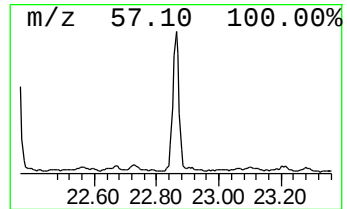
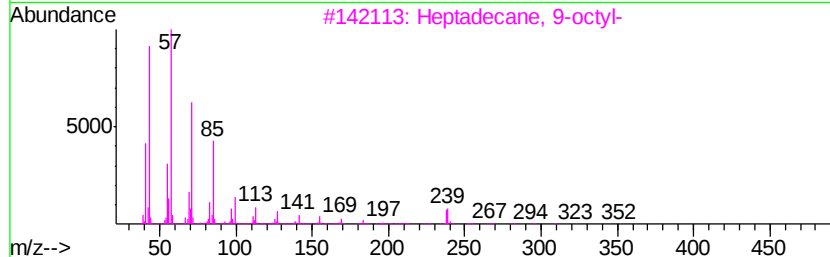
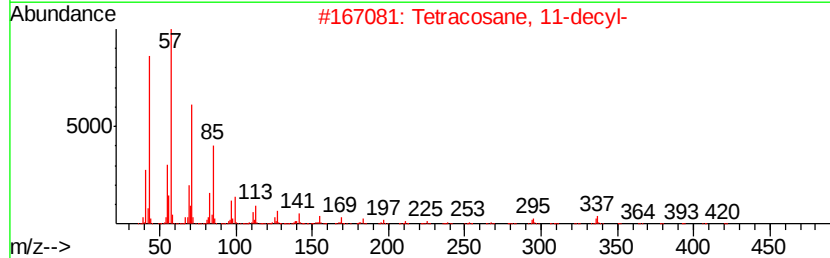
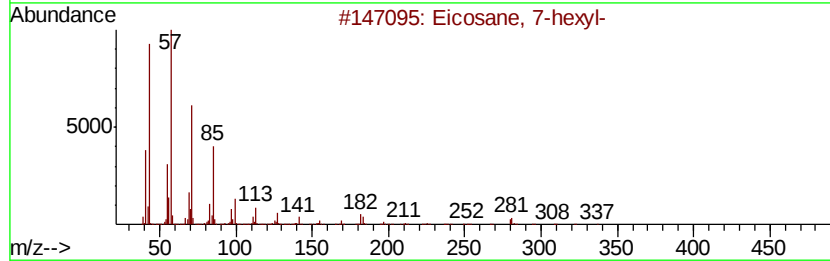
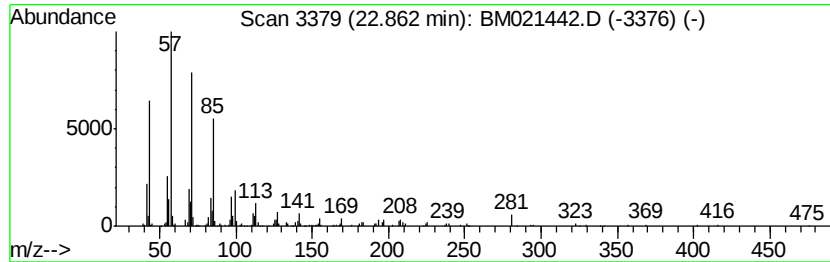
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.86 | 2.38 ng/ul | 353127 | Perylene-d12     | 23.57 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 91   |
| 2    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 90   |
| 3    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 90   |
| 4    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM071119\  
Data File : BM021442.D  
Acq On : 11 Jul 2019 23:50  
Operator : HP/JU  
Sample : K3762-04  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF4C5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 7,9-Di-tert-butyl... | 17.79 | 3.9     | ng/ul | 461718   | 4                     | 17.13 | 2353310 | 20.0 |
| (DEL) Alkane: Str... | 21.02 | 2.0     | ng/ul | 277451   | 5                     | 21.32 | 2754350 | 20.0 |
| (DEL) Alkane: Str... | 21.89 | 2.2     | ng/ul | 299124   | 5                     | 21.32 | 2754350 | 20.0 |
| (DEL) Alkane: Str... | 22.36 | 2.8     | ng/ul | 383681   | 5                     | 21.32 | 2754350 | 20.0 |
| (DEL) Alkane: Str... | 22.86 | 2.4     | ng/ul | 353127   | 6                     | 23.57 | 2961610 | 20.0 |