

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\  
 Data File : BM008921.D  
 Acq On : 30 Jan 2017 20:43  
 Operator : SJ/MA  
 Sample : I1467-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDMX3

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM013017.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         | 3.375       | 131           | 134         | 139          | rBV4     | 19852          | 30017         | 1.62%           | 0.173%        |
| 2         | 7.069       | 757           | 762         | 771          | rVB2     | 113799         | 181402        | 9.78%           | 1.043%        |
| 3         | 7.245       | 785           | 792         | 800          | rBV      | 234508         | 364553        | 19.65%          | 2.095%        |
| 4         | 7.445       | 820           | 826         | 834          | rVB2     | 329652         | 516557        | 27.85%          | 2.969%        |
| 5         | 7.916       | 899           | 906         | 912          | rBV2     | 241415         | 388210        | 20.93%          | 2.231%        |
| 6         | 7.969       | 912           | 915         | 922          | rVB2     | 37205          | 53815         | 2.90%           | 0.309%        |
| 7         | 8.610       | 1018          | 1024        | 1033         | rVB      | 251731         | 396705        | 21.38%          | 2.280%        |
| 8         | 9.010       | 1085          | 1092        | 1098         | rBV2     | 25823          | 43692         | 2.36%           | 0.251%        |
| 9         | 9.081       | 1098          | 1104        | 1111         | rBV      | 397935         | 653764        | 35.24%          | 3.758%        |
| 10        | 9.804       | 1220          | 1227        | 1233         | rBV      | 366899         | 585440        | 31.56%          | 3.365%        |
| 11        | 10.333      | 1310          | 1317        | 1326         | rVB2     | 453622         | 723669        | 39.01%          | 4.159%        |
| 12        | 10.722      | 1376          | 1383        | 1389         | rVV      | 294253         | 468380        | 25.25%          | 2.692%        |
| 13        | 11.992      | 1593          | 1599        | 1605         | rBV3     | 33232          | 48688         | 2.62%           | 0.280%        |
| 14        | 12.904      | 1750          | 1754        | 1758         | rBV3     | 18190          | 26022         | 1.40%           | 0.150%        |
| 15        | 13.151      | 1791          | 1796        | 1802         | rBV3     | 27213          | 39454         | 2.13%           | 0.227%        |
| 16        | 13.474      | 1847          | 1851        | 1857         | rVB4     | 12902          | 22002         | 1.19%           | 0.126%        |
| 17        | 13.963      | 1926          | 1934        | 1940         | rBV      | 773098         | 1052464       | 56.73%          | 6.049%        |
| 18        | 14.251      | 1975          | 1983        | 1989         | rBV      | 728321         | 1024382       | 55.22%          | 5.888%        |
| 19        | 14.557      | 2028          | 2035        | 2041         | rBV      | 399669         | 580408        | 31.29%          | 3.336%        |
| 20        | 14.739      | 2060          | 2066        | 2077         | rVB2     | 107850         | 160612        | 8.66%           | 0.923%        |
| 21        | 15.227      | 2142          | 2149        | 2152         | rBV2     | 17094          | 24295         | 1.31%           | 0.140%        |
| 22        | 15.551      | 2197          | 2204        | 2211         | rVB      | 922918         | 1296960       | 69.91%          | 7.454%        |
| 23        | 15.662      | 2216          | 2223        | 2232         | rBV2     | 385677         | 541534        | 29.19%          | 3.113%        |
| 24        | 17.304      | 2496          | 2502        | 2509         | rVB      | 513946         | 708750        | 38.21%          | 4.074%        |
| 25        | 17.404      | 2512          | 2519        | 2526         | rBV      | 1076589        | 1491972       | 80.43%          | 8.575%        |
| 26        | 17.956      | 2605          | 2613        | 2618         | rBV      | 242059         | 321595        | 17.34%          | 1.848%        |
| 27        | 18.168      | 2644          | 2649        | 2655         | rBV2     | 43552          | 57391         | 3.09%           | 0.330%        |
| 28        | 19.445      | 2863          | 2866        | 2874         | rBV4     | 58327          | 82586         | 4.45%           | 0.475%        |
| 29        | 19.692      | 2902          | 2908        | 2914         | rBV      | 1284595        | 1729629       | 93.24%          | 9.941%        |
| 30        | 20.574      | 3055          | 3058        | 3061         | rBV5     | 13437          | 22534         | 1.21%           | 0.130%        |
| 31        | 21.468      | 3206          | 3210        | 3216         | rVB      | 707790         | 907297        | 48.91%          | 5.215%        |
| 32        | 23.680      | 3578          | 3586        | 3596         | rBV2     | 893106         | 1855086       | 100.00%         | 10.662%       |
| 33        | 23.827      | 3605          | 3611        | 3621         | rVB      | 450512         | 890934        | 48.03%          | 5.121%        |
| 34        | 24.356      | 3697          | 3701        | 3708         | rVB8     | 61120          | 107754        | 5.81%           | 0.619%        |

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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :  
BDMX3

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM013017.M  
Title : SVOA CALIBRATION

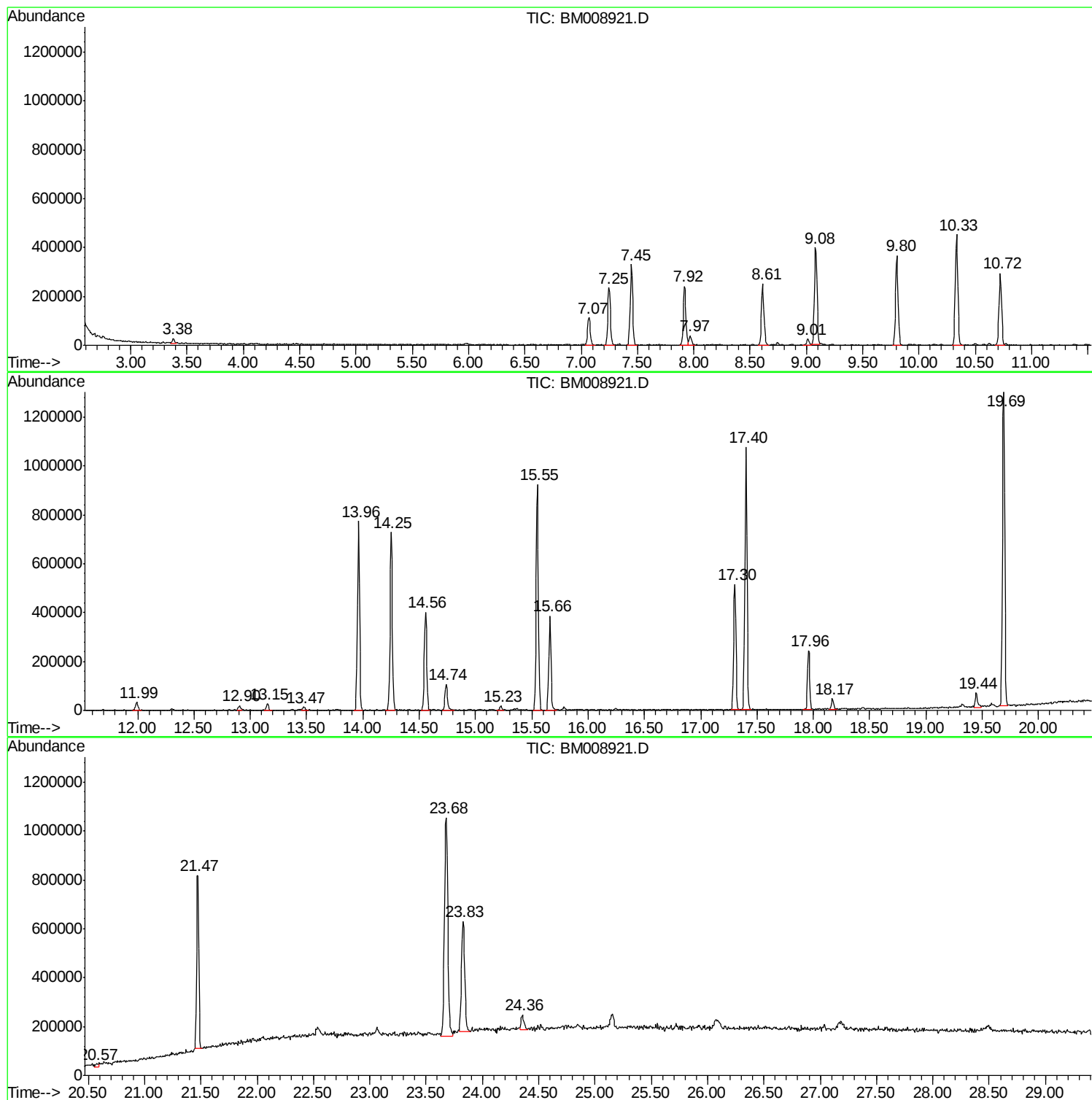
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

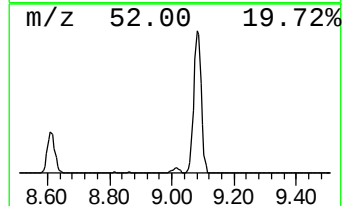
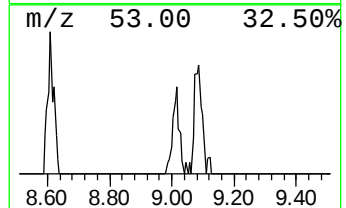
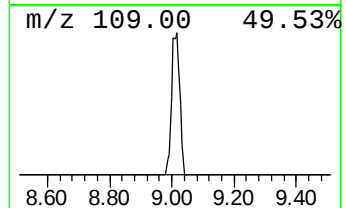
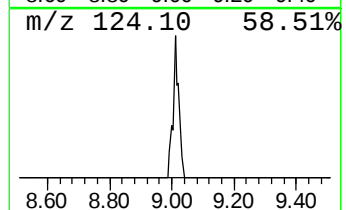
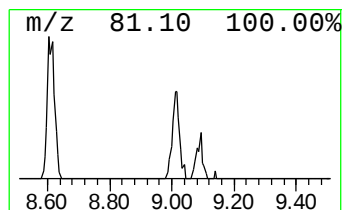
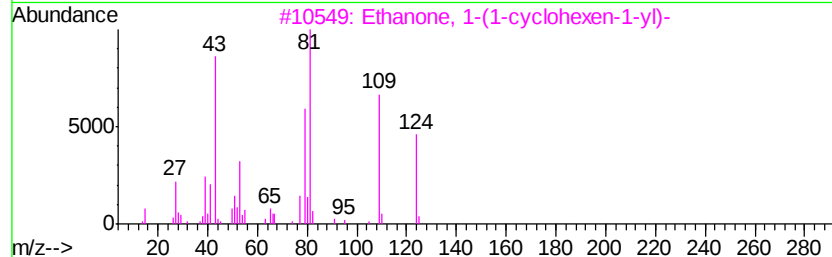
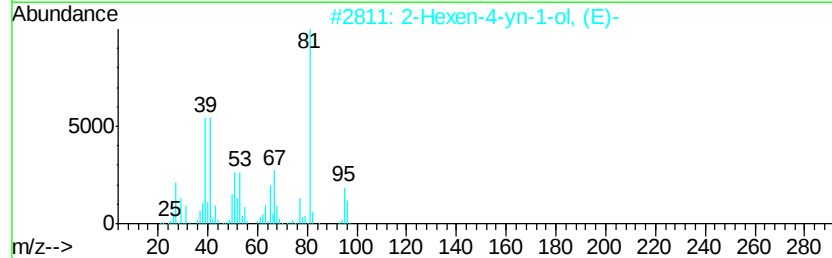
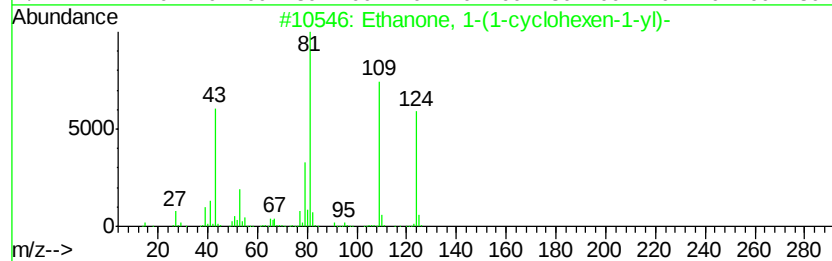
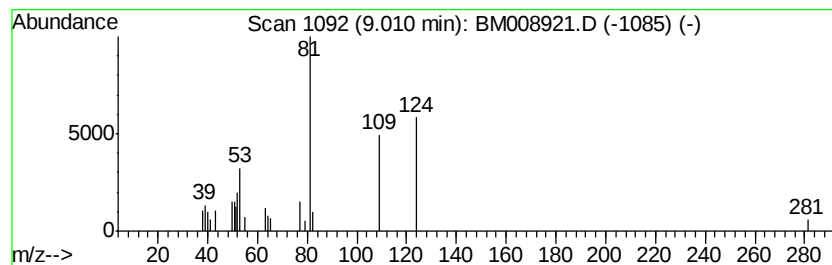
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanone, 1-(1-cyclohexen-1... Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 9.01 | 2.25 ng/ul | 43692 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O  | 000932-66-1 | 50   |
| 2    |    | 2-Hexen-4-yn-1-ol, (E)-          | 96  | C6H8O   | 053497-80-6 | 40   |
| 3    |    | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O  | 000932-66-1 | 37   |
| 4    |    | Ethanone, 1-(1-cyclohexen-1-yl)- | 124 | C8H12O  | 000932-66-1 | 37   |
| 5    |    | 3-Methyl-1-penten-4-yn-3-ol      | 96  | C6H8O   | 003230-69-1 | 17   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M  
Quant Title : SVOA CALIBRATION

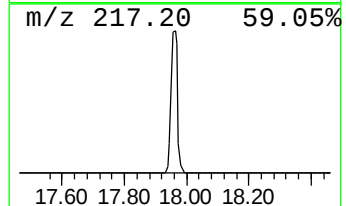
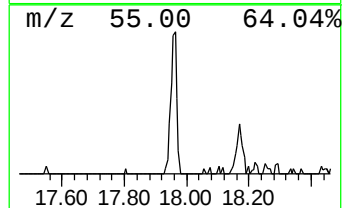
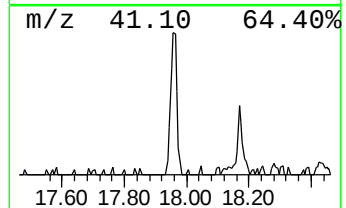
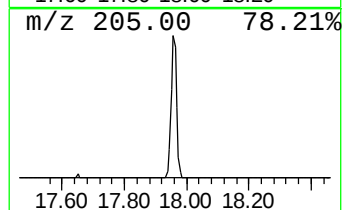
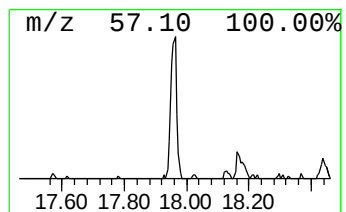
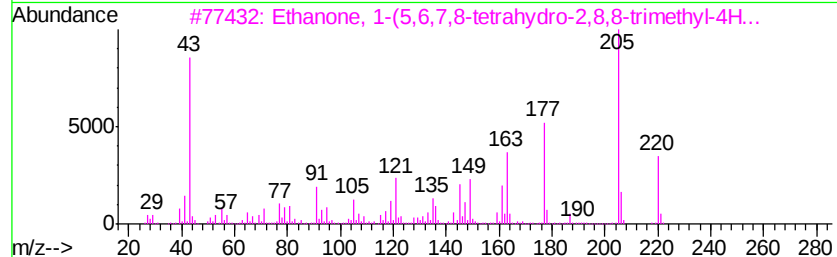
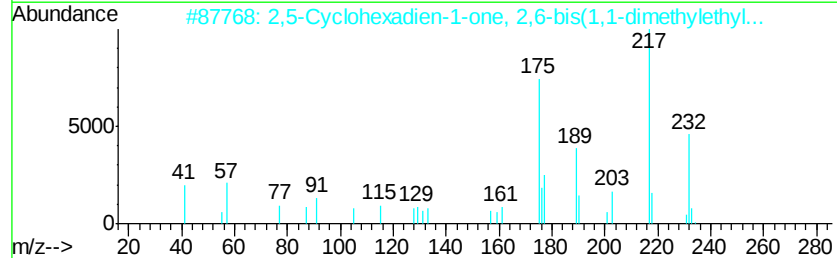
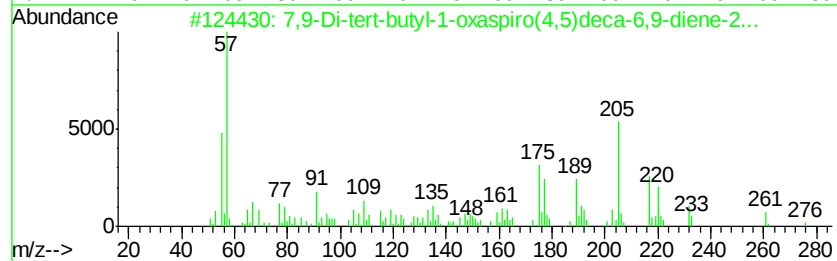
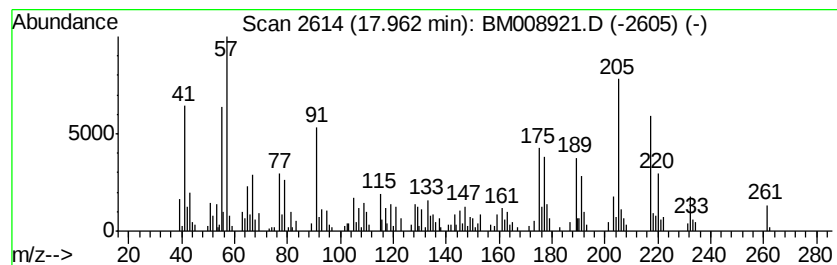
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.96 | 9.07 ng/ul | 321595 | Phenanthrene-d10 | 17.30 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 86   |
| 2    |    |   | 2,5-Cyclohexadien-1-one, 2,6-bis... | 232 | C16H24O  | 006738-27-8 | 81   |
| 3    |    |   | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 64   |
| 4    |    |   | 4,6-di-tert-Butyl-m-cresol          | 220 | C15H24O  | 000497-39-2 | 42   |
| 5    |    |   | Butylated Hydroxytoluene            | 220 | C15H24O  | 000128-37-0 | 42   |



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Quant Title : SVOA CALIBRATION

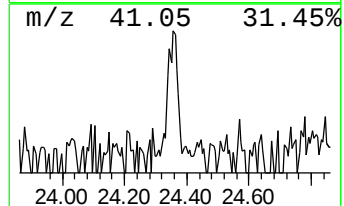
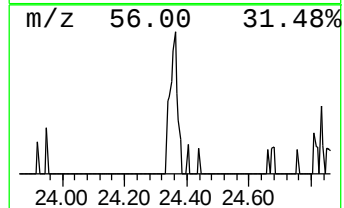
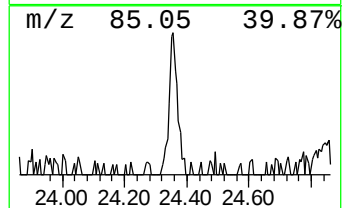
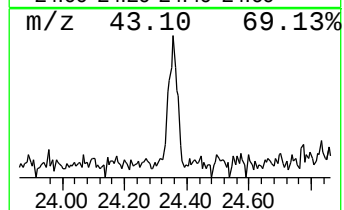
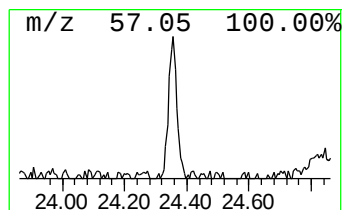
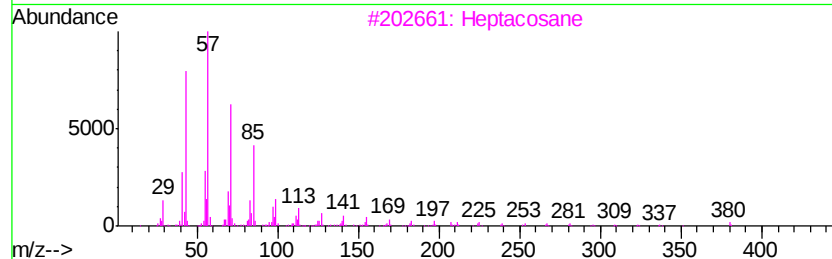
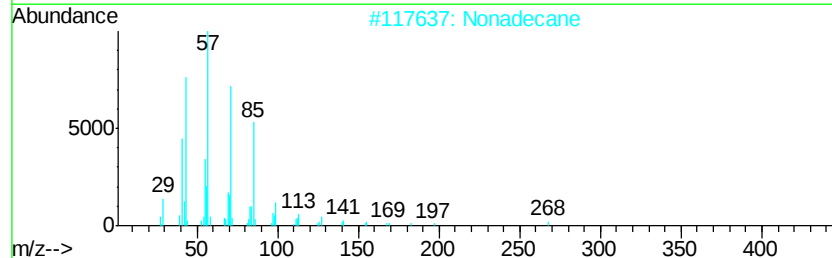
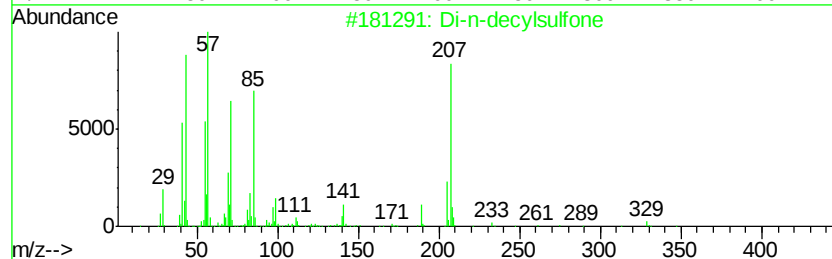
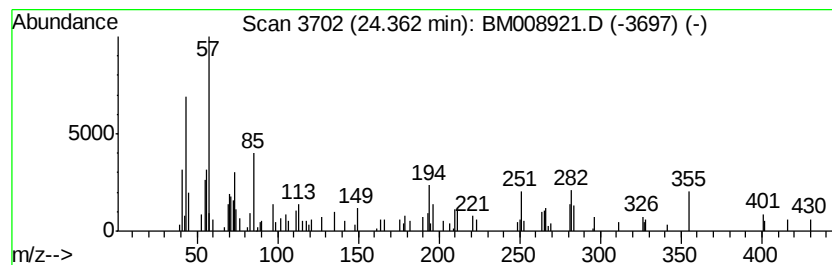
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Di-n-decylsulfone Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.36 | 2.42 ng/ul | 107754 | Perylene-d12     | 23.83 |

| Hit# | of | Tentative ID                  | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Di-n-decylsulfone             | 346 | C20H42O2S | 111530-37-1 | 50   |
| 2    |    | Nonadecane                    | 268 | C19H40    | 000629-92-5 | 42   |
| 3    |    | Heptacosane                   | 380 | C27H56    | 000593-49-7 | 38   |
| 4    |    | Hentriacontane                | 437 | C31H64    | 000630-04-6 | 38   |
| 5    |    | Hexadecane, 8-hexyl-8-pentyl- | 380 | C27H56    | 055282-29-6 | 35   |



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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 |
| Ethanone, 1-(1-cy... | 9.01  | 2.3     | ng/ul | 43692    | 1                     | 7.92  | 388210 | 20.0 |
| 7,9-Di-tert-butyl... | 17.96 | 9.1     | ng/ul | 321595   | 4                     | 17.30 | 708750 | 20.0 |
| Di-n-decylsulfone    | 24.36 | 2.4     | ng/ul | 107754   | 6                     | 23.83 | 890934 | 20.0 |