

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071618\  
 Data File : BG035671.D  
 Acq On : 16 Jul 2018 15:59  
 Operator : JU/SJ  
 Sample : J3958-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-CONCRETE

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT 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         | 4.576       | 212           | 219         | 227          | rVB2     | 55901          | 86275         | 2.50%           | 0.475%        |
| 2         | 5.175       | 314           | 321         | 330          | rVB      | 990318         | 1488187       | 43.08%          | 8.188%        |
| 3         | 5.639       | 394           | 400         | 411          | rBV      | 491714         | 791533        | 22.91%          | 4.355%        |
| 4         | 7.225       | 663           | 670         | 683          | rBV      | 676199         | 1197345       | 34.66%          | 6.588%        |
| 5         | 7.595       | 725           | 733         | 741          | rBV      | 551760         | 937282        | 27.13%          | 5.157%        |
| 6         | 8.059       | 804           | 812         | 818          | rBV      | 153120         | 259902        | 7.52%           | 1.430%        |
| 7         | 8.383       | 859           | 867         | 875          | rVB      | 545862         | 970001        | 28.08%          | 5.337%        |
| 8         | 9.217       | 1001          | 1009        | 1021         | rBV      | 484405         | 880420        | 25.49%          | 4.844%        |
| 9         | 10.862      | 1282          | 1289        | 1296         | rBV      | 200785         | 368305        | 10.66%          | 2.027%        |
| 10        | 13.299      | 1697          | 1704        | 1713         | rBV      | 1453936        | 2229954       | 64.55%          | 12.270%       |
| 11        | 14.122      | 1838          | 1844        | 1850         | rBV      | 126275         | 183931        | 5.32%           | 1.012%        |
| 12        | 14.674      | 1932          | 1938        | 1949         | rBV2     | 363037         | 588272        | 17.03%          | 3.237%        |
| 13        | 16.166      | 2186          | 2192        | 2202         | rBV      | 501015         | 792657        | 22.94%          | 4.361%        |
| 14        | 17.417      | 2398          | 2405        | 2414         | rBV2     | 507071         | 783478        | 22.68%          | 4.311%        |
| 15        | 20.026      | 2841          | 2849        | 2855         | rBV      | 2613113        | 3454650       | 100.00%         | 19.008%       |
| 16        | 20.813      | 2979          | 2983        | 2988         | rBV3     | 40248          | 47394         | 1.37%           | 0.261%        |
| 17        | 21.324      | 3066          | 3070        | 3079         | rVB3     | 46258          | 70598         | 2.04%           | 0.388%        |
| 18        | 21.682      | 3124          | 3131        | 3142         | rBV2     | 516400         | 870830        | 25.21%          | 4.792%        |
| 19        | 21.864      | 3158          | 3162        | 3167         | rBV2     | 40529          | 66499         | 1.92%           | 0.366%        |
| 20        | 22.475      | 3260          | 3266        | 3271         | rBV3     | 48448          | 83458         | 2.42%           | 0.459%        |
| 21        | 22.604      | 3280          | 3288        | 3296         | rBV      | 484319         | 937337        | 27.13%          | 5.157%        |
| 22        | 23.168      | 3378          | 3384        | 3392         | rVB3     | 43003          | 91412         | 2.65%           | 0.503%        |
| 23        | 23.973      | 3515          | 3521        | 3528         | rVB4     | 37318          | 77763         | 2.25%           | 0.428%        |
| 24        | 24.907      | 3670          | 3680        | 3691         | rBV2     | 292812         | 854936        | 24.75%          | 4.704%        |
| 25        | 26.041      | 3867          | 3873        | 3884         | rVB2     | 21564          | 61921         | 1.79%           | 0.341%        |

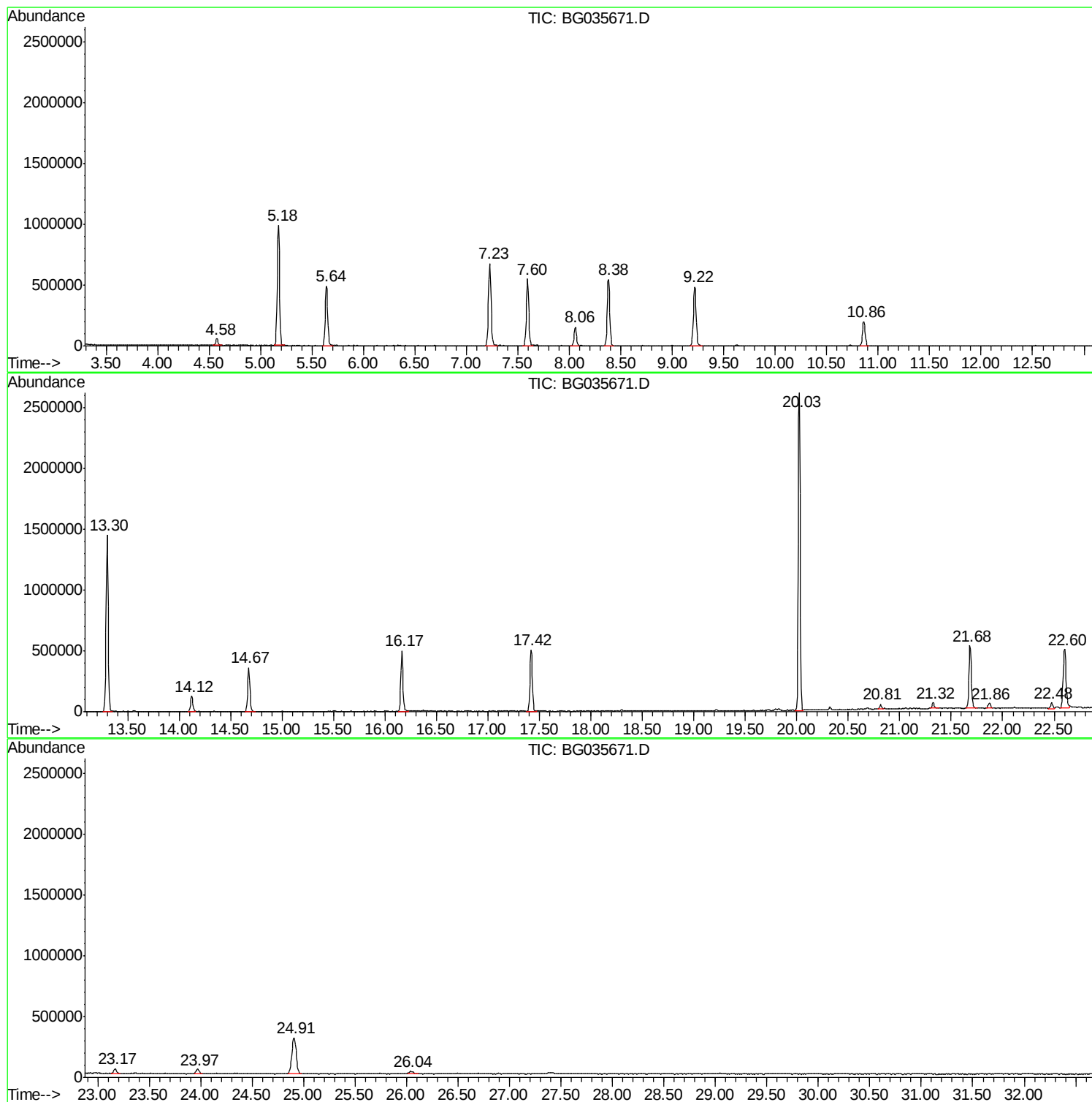
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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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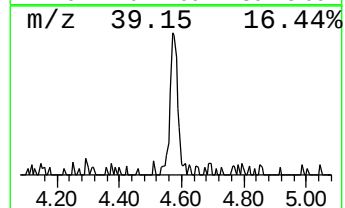
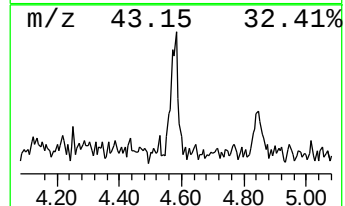
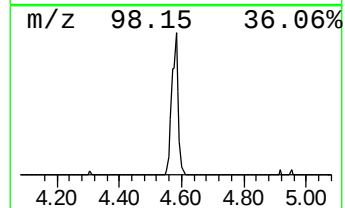
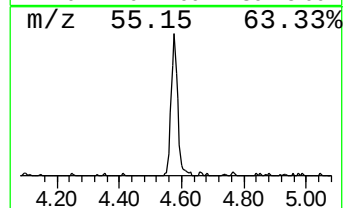
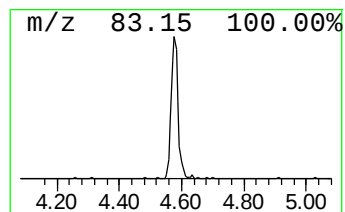
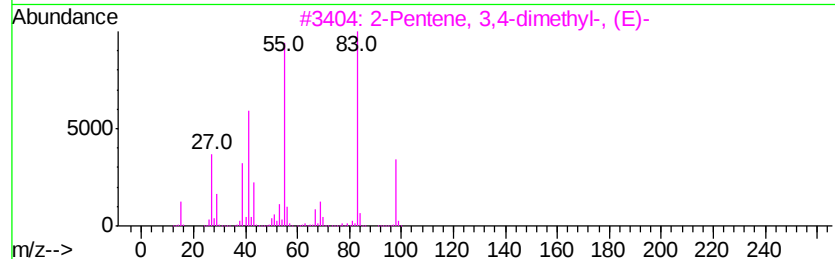
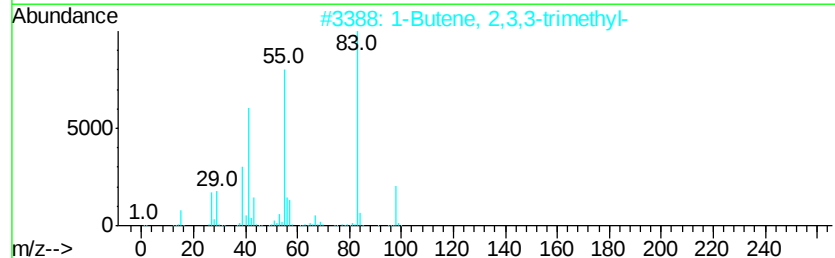
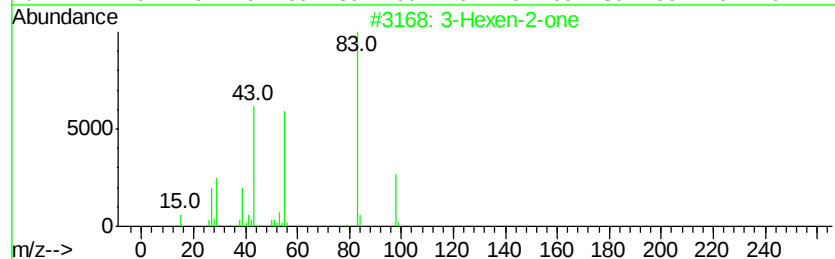
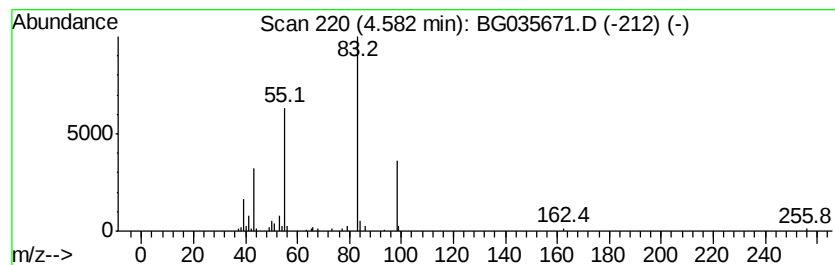
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Hexen-2-one Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.58 | 6.64 ng | 86275 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 86   |
| 2    |    |   | 1-Butene, 2,3,3-trimethyl-     | 98 | C7H14   | 000594-56-9 | 86   |
| 3    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 78   |
| 4    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 78   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 78   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

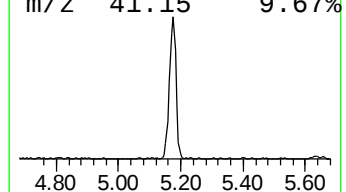
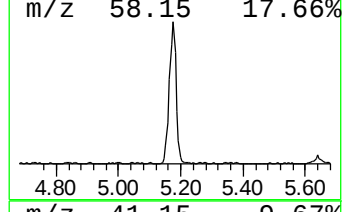
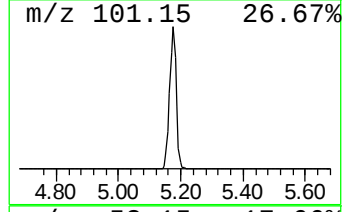
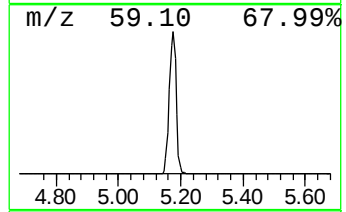
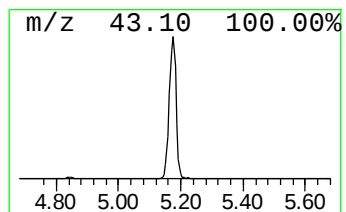
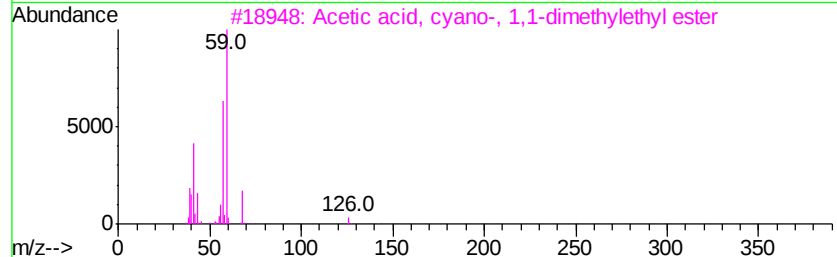
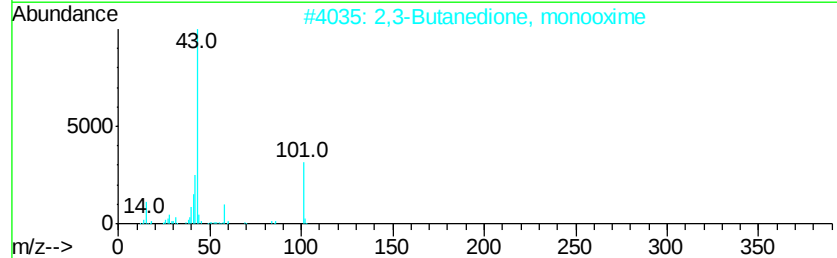
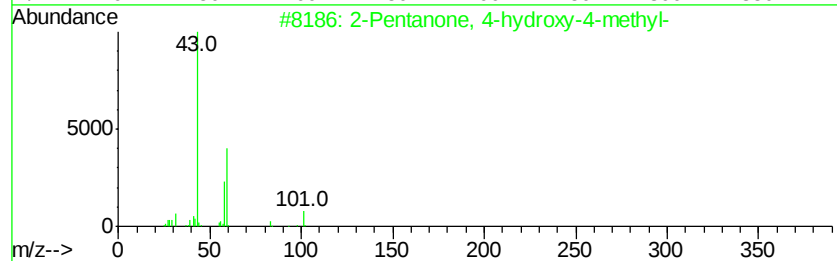
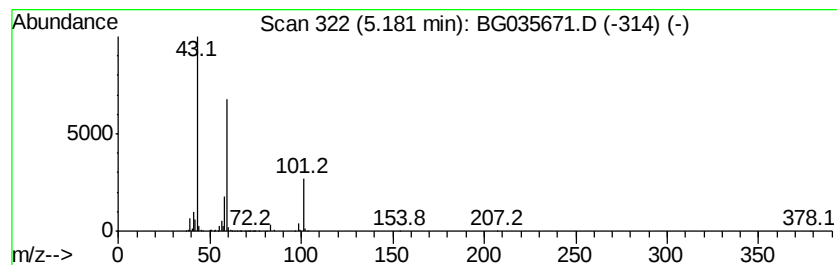
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 5.18 | 114.52 ng | 1488190 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | 2-Nonanone                           | 142 | C9H18O   | 000821-55-6 | 12   |
| 5    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 10   |



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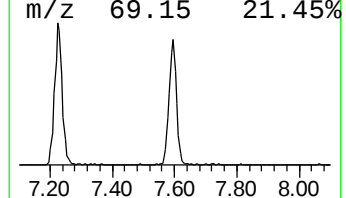
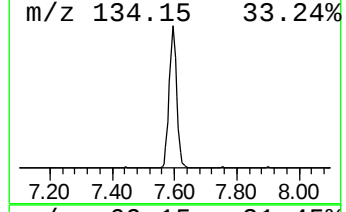
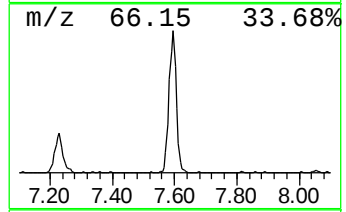
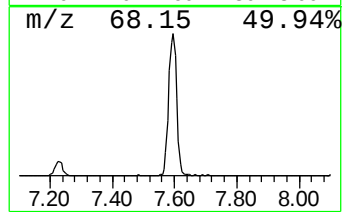
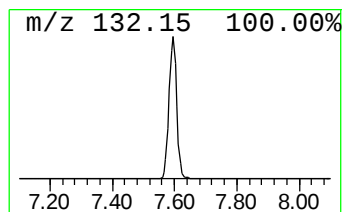
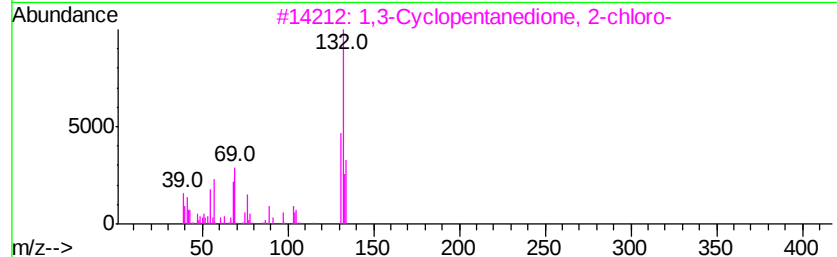
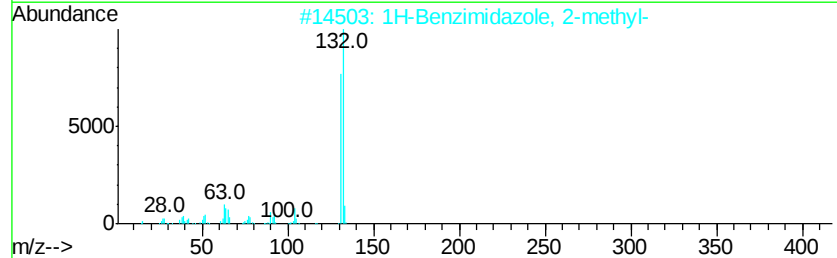
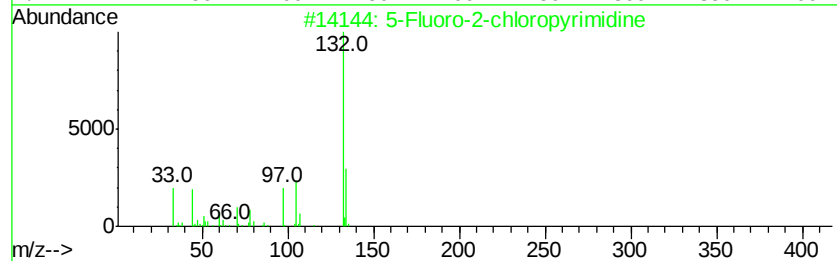
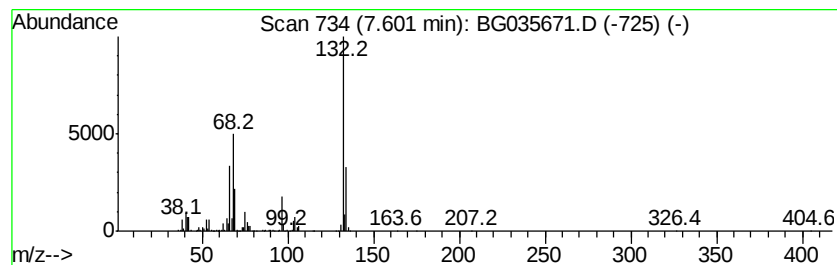
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.60 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.60 | 72.13 ng | 937282 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 10   |





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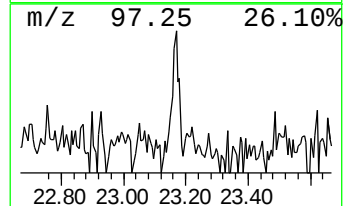
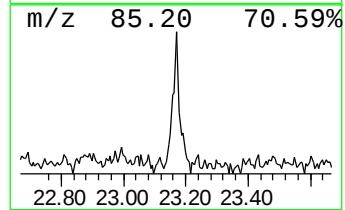
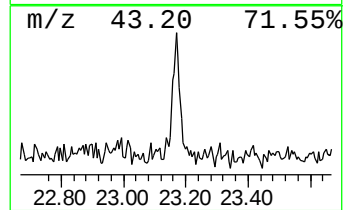
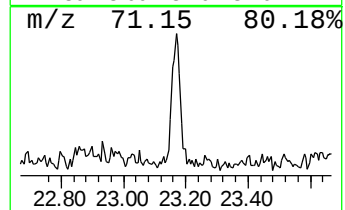
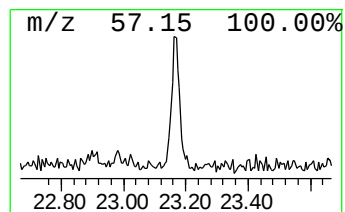
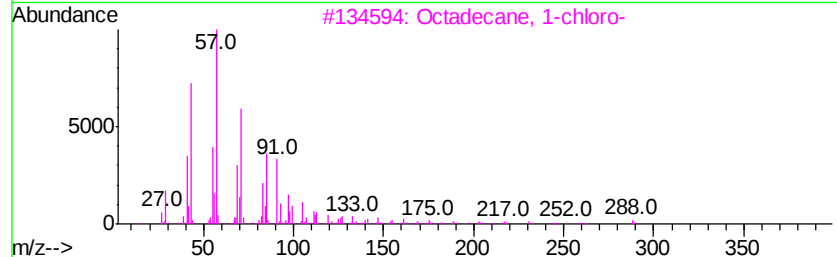
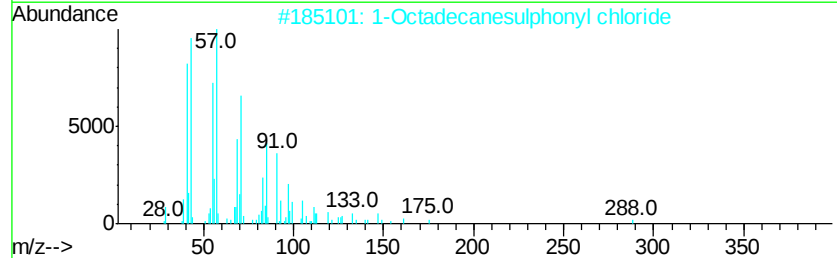
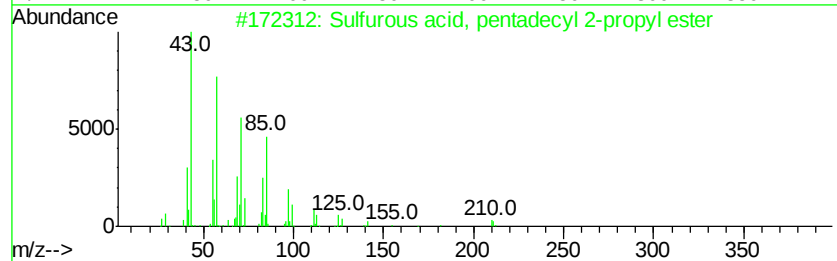
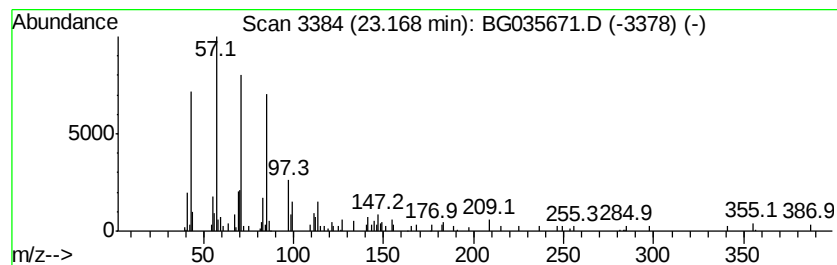
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 Peak Number 6 Sulfurous acid, pentadecyl ... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.17 | 2.10 ng | 91412 | Chrysene-d12     | 21.68 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Sulfurous acid, pentadecyl 2-pro... | 334 | C18H38O3S   | 1000309-12-6 | 83   |
| 2    |    | 1-Octadecanesulphonyl chloride      | 352 | C18H37ClO2S | 1000342-70-4 | 78   |
| 3    |    | Octadecane, 1-chloro-               | 288 | C18H37Cl    | 003386-33-2  | 72   |
| 4    |    | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S   | 1000309-19-0 | 64   |
| 5    |    | Octadecane                          | 254 | C18H38      | 000593-45-3  | 59   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 3-Hexen-2-one        | 4.58  | 6.6     | ng    | 86275    | 1                     | 8.06  | 259902 | 20.0 |
| 2-Pentanone, 4-hy... | 5.18  | 114.5   | ng    | 1488190  | 1                     | 8.06  | 259902 | 20.0 |
| unknown7.60          | 7.60  | 72.1    | ng    | 937282   | 1                     | 8.06  | 259902 | 20.0 |
| 9,10-Anthracenedi... | 22.60 | 21.5    | ng    | 937337   | 5                     | 21.68 | 870830 | 20.0 |
| Sulfurous acid, p... | 23.17 | 2.1     | ng    | 91412    | 5                     | 21.68 | 870830 | 20.0 |