

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121718\  
 Data File : BG038663.D  
 Acq On : 17 Dec 2018 15:04  
 Operator : JU/SJ  
 Sample : J6378-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SD011-0612-01

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-BG121218.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         | 5.142       | 345           | 349         | 356          | rVB      | 19198          | 31676         | 2.44%           | 0.418%        |
| 2         | 5.606       | 422           | 428         | 438          | rBV      | 342901         | 570825        | 43.93%          | 7.535%        |
| 3         | 7.210       | 694           | 701         | 715          | rBV      | 348761         | 667552        | 51.37%          | 8.812%        |
| 4         | 7.586       | 758           | 765         | 773          | rBV      | 331327         | 583959        | 44.94%          | 7.708%        |
| 5         | 8.056       | 839           | 845         | 855          | rBV      | 64794          | 118017        | 9.08%           | 1.558%        |
| 6         | 8.379       | 893           | 900         | 911          | rVB      | 242036         | 429203        | 33.03%          | 5.666%        |
| 7         | 9.237       | 1038          | 1046        | 1057         | rBV      | 207587         | 393395        | 30.27%          | 5.193%        |
| 8         | 10.876      | 1318          | 1325        | 1337         | rBV      | 86105          | 159570        | 12.28%          | 2.106%        |
| 9         | 13.315      | 1733          | 1740        | 1752         | rBV      | 471911         | 754983        | 58.10%          | 9.966%        |
| 10        | 14.143      | 1875          | 1881        | 1889         | rVB      | 22834          | 35650         | 2.74%           | 0.471%        |
| 11        | 14.695      | 1969          | 1975        | 1987         | rVB2     | 144289         | 236838        | 18.23%          | 3.126%        |
| 12        | 16.188      | 2221          | 2229        | 2245         | rBV      | 419229         | 687394        | 52.90%          | 9.074%        |
| 13        | 17.445      | 2437          | 2443        | 2456         | rVB      | 208603         | 332960        | 25.62%          | 4.395%        |
| 14        | 18.303      | 2583          | 2589        | 2594         | rBV3     | 14970          | 24568         | 1.89%           | 0.324%        |
| 15        | 20.042      | 2879          | 2885        | 2895         | rVB      | 952762         | 1299451       | 100.00%         | 17.153%       |
| 16        | 20.312      | 2926          | 2931        | 2937         | rBV3     | 16459          | 25053         | 1.93%           | 0.331%        |
| 17        | 20.806      | 3012          | 3015        | 3019         | rBV      | 15735          | 18650         | 1.44%           | 0.246%        |
| 18        | 21.317      | 3097          | 3102        | 3112         | rBV      | 51125          | 92410         | 7.11%           | 1.220%        |
| 19        | 21.722      | 3162          | 3171        | 3177         | rBV      | 227251         | 395209        | 30.41%          | 5.217%        |
| 20        | 21.863      | 3190          | 3195        | 3199         | rBV2     | 18582          | 25999         | 2.00%           | 0.343%        |
| 21        | 22.474      | 3293          | 3299        | 3303         | rBV      | 40243          | 71132         | 5.47%           | 0.939%        |
| 22        | 23.179      | 3413          | 3419        | 3426         | rBV5     | 17506          | 35608         | 2.74%           | 0.470%        |
| 23        | 23.373      | 3447          | 3452        | 3458         | rVB4     | 13084          | 26189         | 2.02%           | 0.346%        |
| 24        | 23.990      | 3549          | 3557        | 3564         | rBV      | 34955          | 81051         | 6.24%           | 1.070%        |
| 25        | 24.948      | 3714          | 3720        | 3723         | rBV5     | 8718           | 19402         | 1.49%           | 0.256%        |
| 26        | 25.018      | 3723          | 3732        | 3744         | rVB2     | 120877         | 372702        | 28.68%          | 4.920%        |
| 27        | 25.494      | 3807          | 3813        | 3821         | rVB7     | 9142           | 23068         | 1.78%           | 0.305%        |
| 28        | 26.094      | 3906          | 3915        | 3921         | rBV5     | 11131          | 31818         | 2.45%           | 0.420%        |
| 29        | 28.303      | 4281          | 4291        | 4296         | rBV9     | 9493           | 31349         | 2.41%           | 0.414%        |

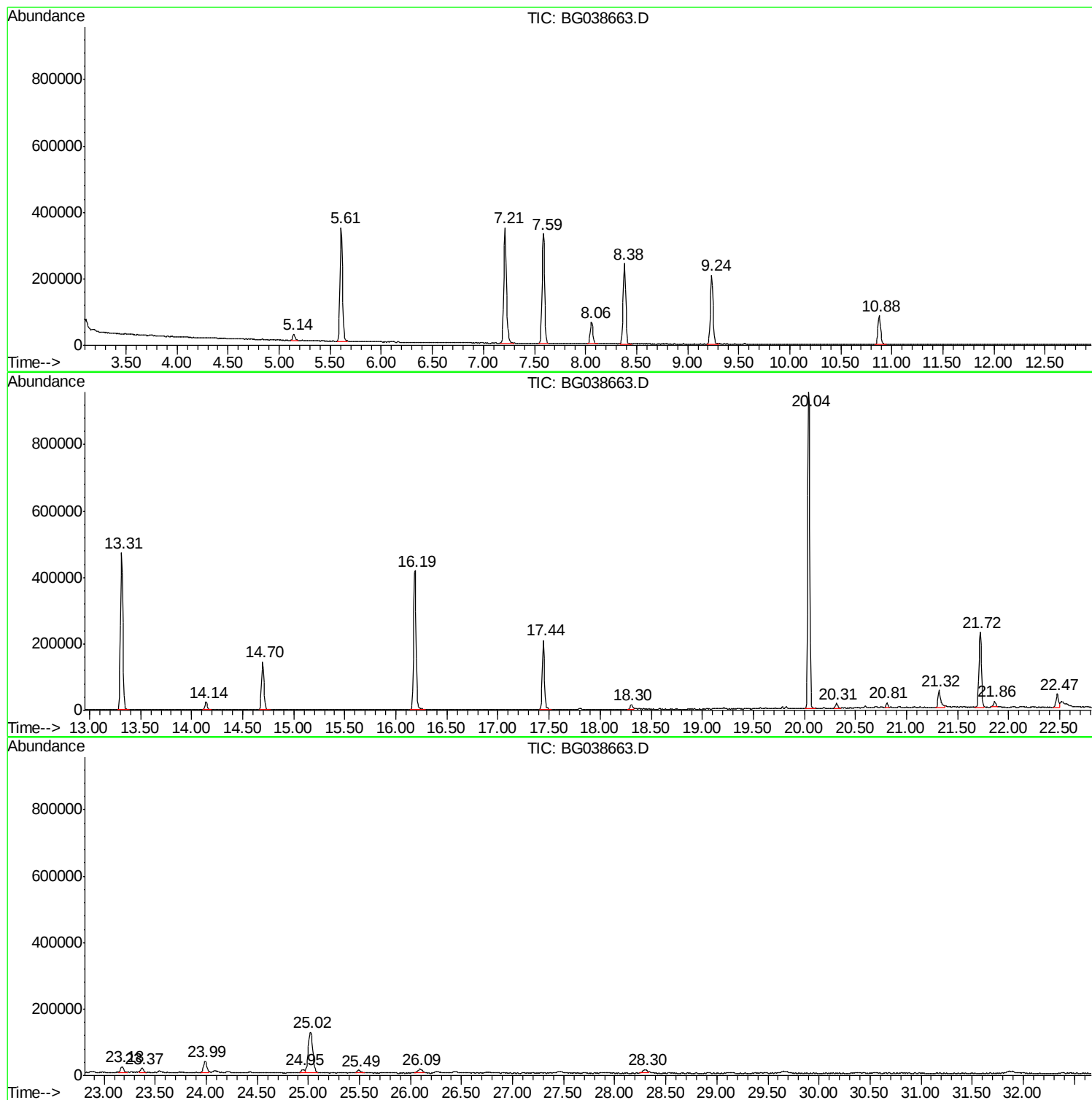
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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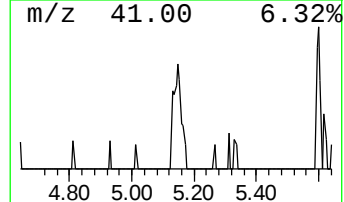
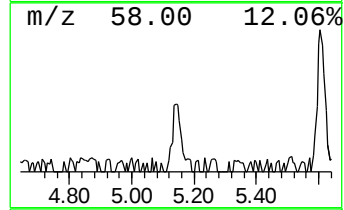
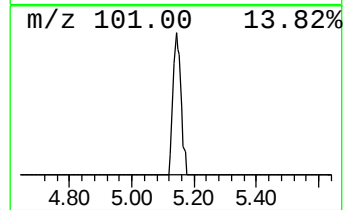
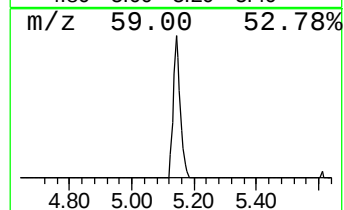
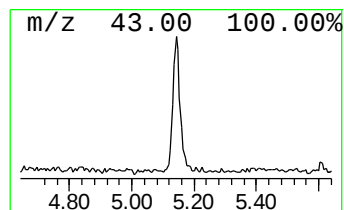
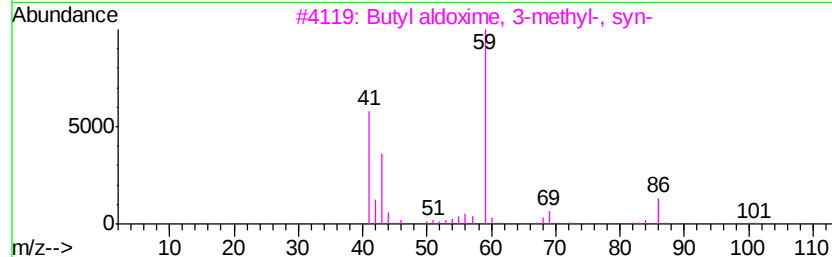
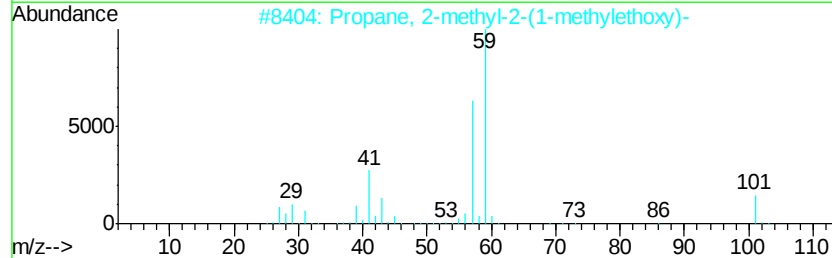
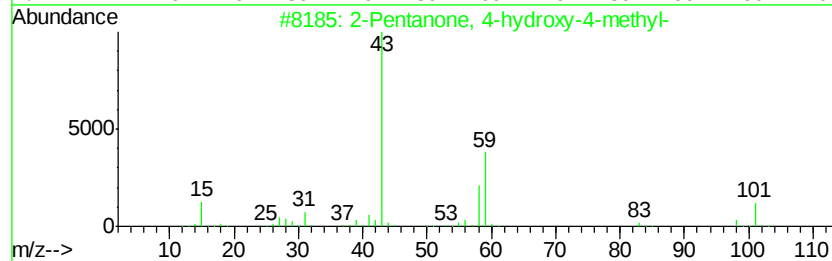
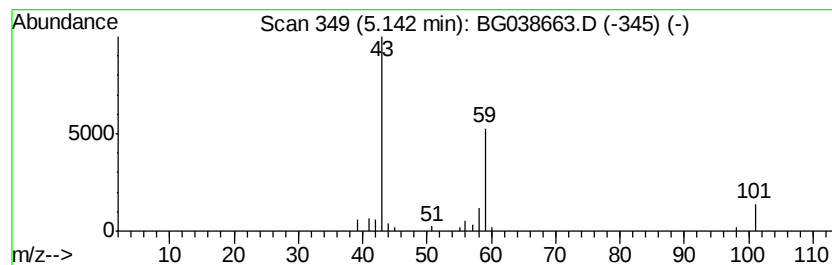
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.14 | 5.37 ng | 31676 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 33   |
| 3    |    |   | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO | 005780-40-5 | 25   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    |   | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

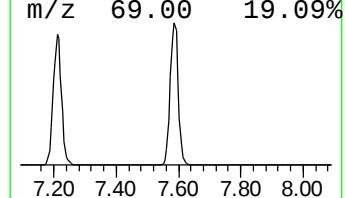
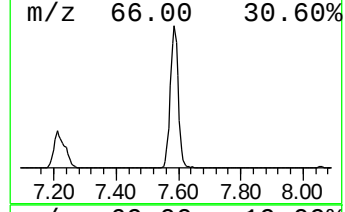
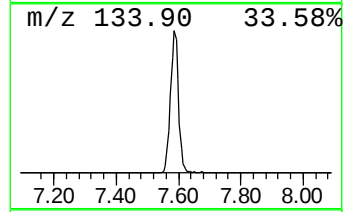
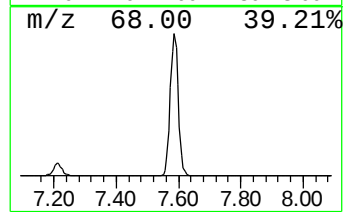
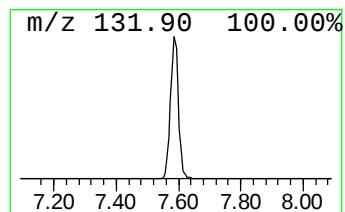
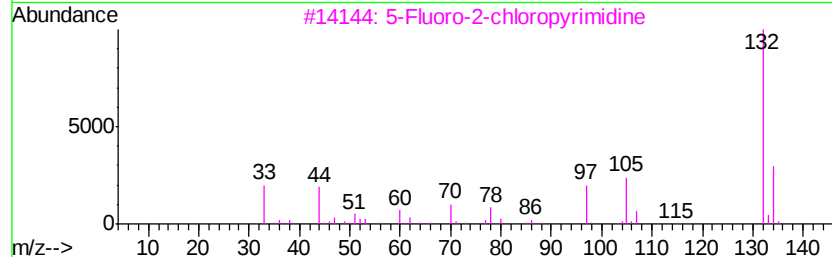
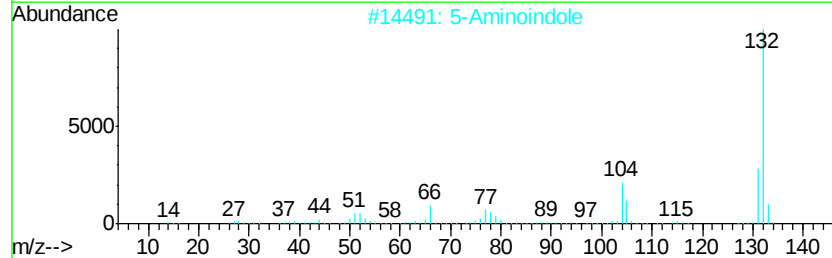
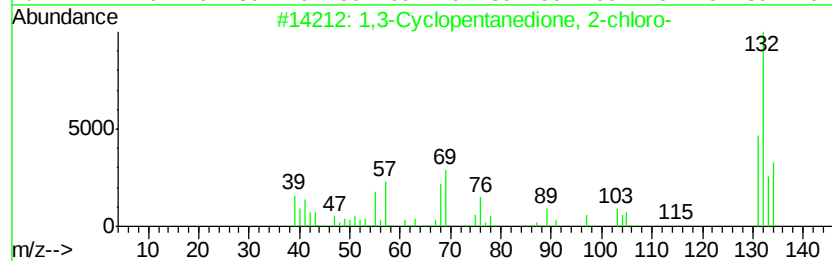
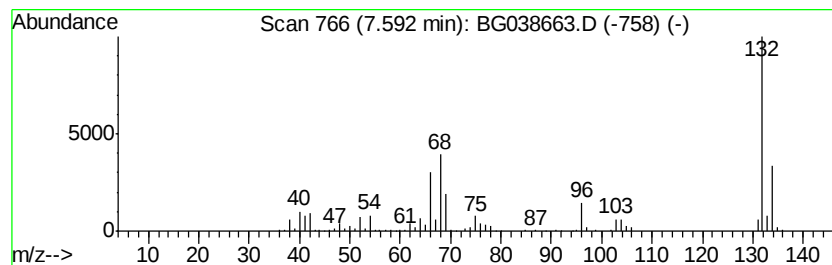
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.59 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.59 | 98.96 ng | 583959 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 25   |
| 2    |    |   | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    |   | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 4    |    |   | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    |   | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |



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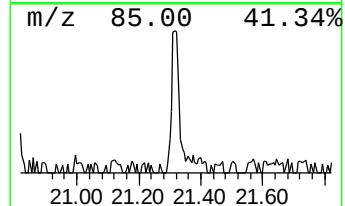
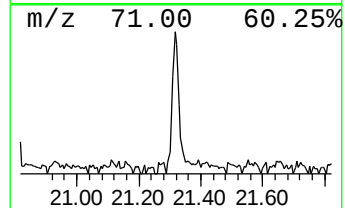
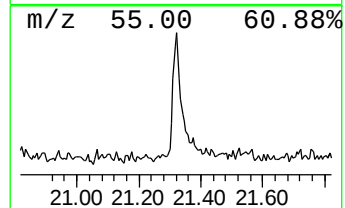
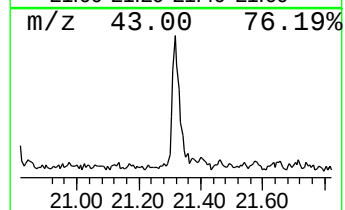
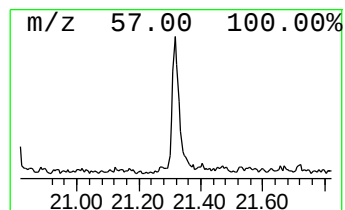
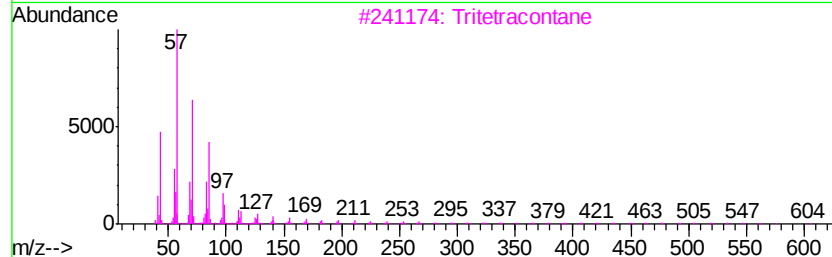
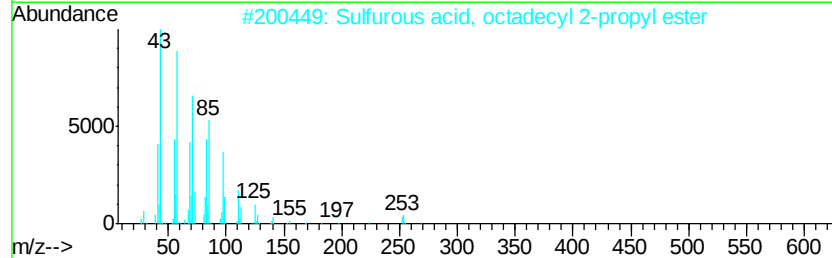
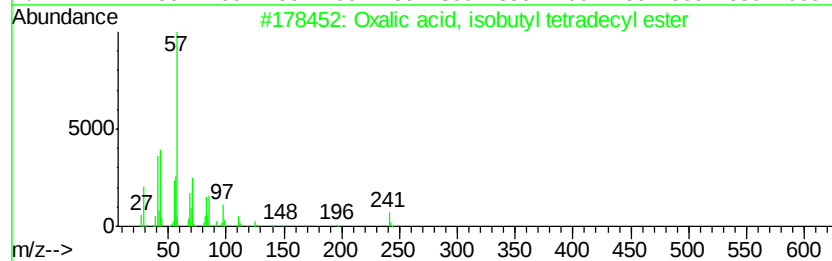
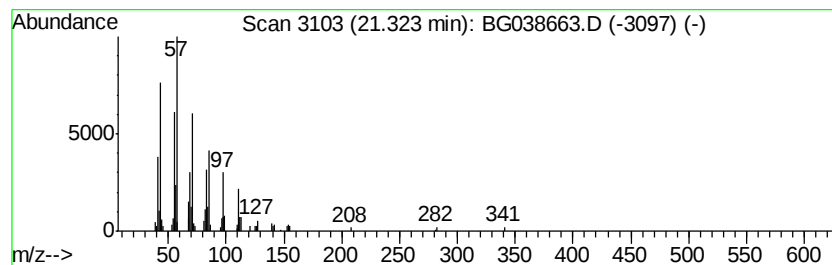
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Oxalic acid, isobutyl tetra... Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 21.32 | 4.68 ng | 92410 | Chrysene-d12     | 21.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4    | 1000309-37-9 | 83   |
| 2    |    |   | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S   | 1000309-12-7 | 80   |
| 3    |    |   | Tritetracontane                     | 605 | C43H88      | 007098-21-7  | 64   |
| 4    |    |   | 1-Octadecanesulphonyl chloride      | 352 | C18H37ClO2S | 1000342-70-4 | 64   |
| 5    |    |   | Carbonic acid, isobutyl octadecy... | 370 | C23H46O3    | 1000314-61-5 | 62   |



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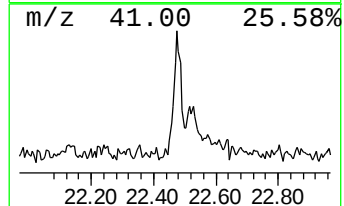
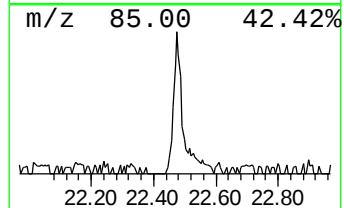
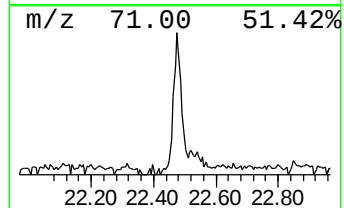
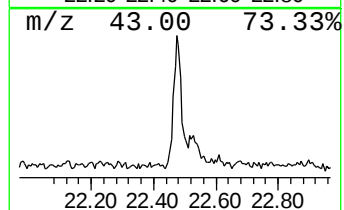
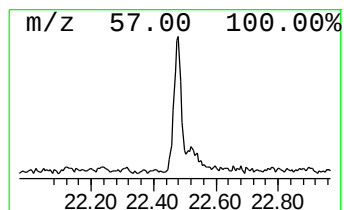
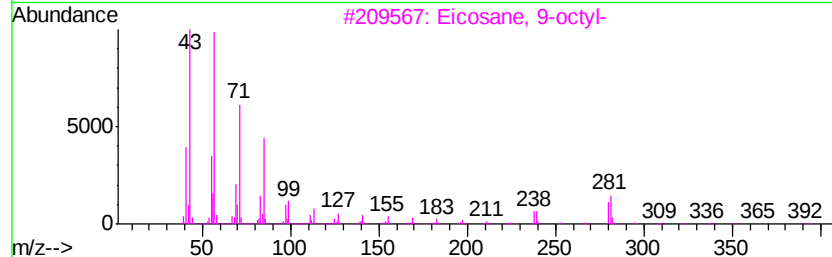
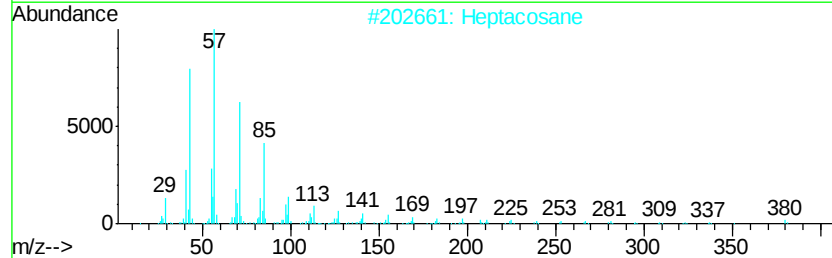
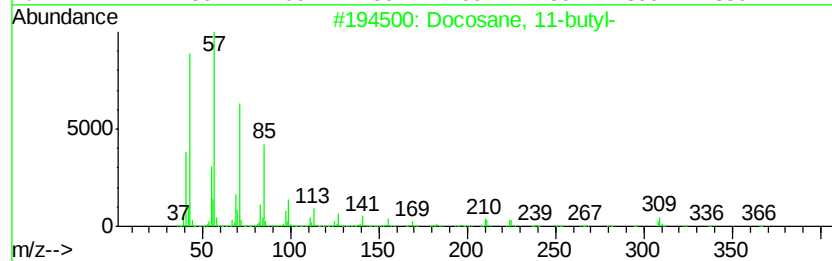
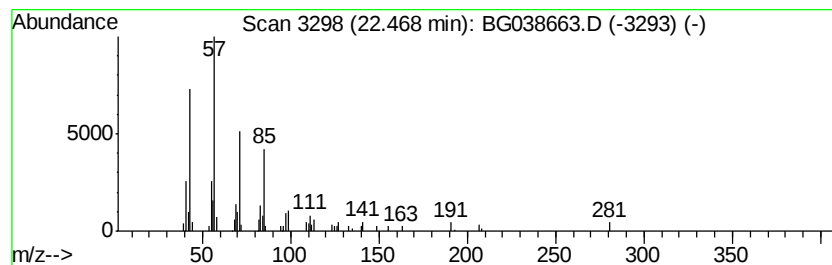
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\*\*\*\*\*  
Peak Number 5 Docosane, 11-butyl- Concentration Rank 6

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|-------|---------|-------|------------------|-------|
| 22.47 | 3.60 ng | 71132 | Chrysene-d12     | 21.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Docosane, 11-butyl-                 | 366 | C26H54    | 013475-76-8  | 91   |
| 2    |    | Heptacosane                         | 380 | C27H56    | 000593-49-7  | 91   |
| 3    |    | Eicosane, 9-octyl-                  | 394 | C28H58    | 013475-77-9  | 91   |
| 4    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44    | 054833-48-6  | 90   |
| 5    |    | Sulfurous acid, butyl tetradecyl... | 334 | C18H38O3S | 1000309-18-1 | 90   |



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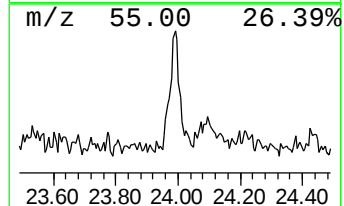
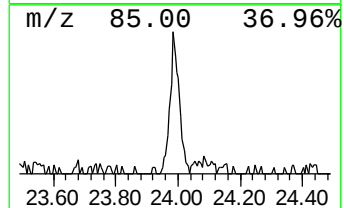
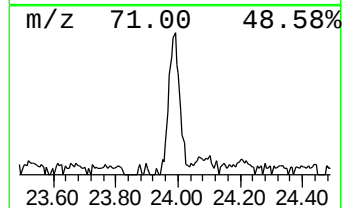
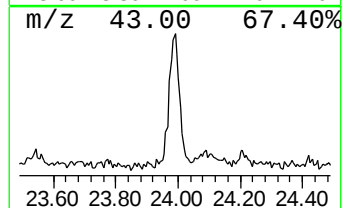
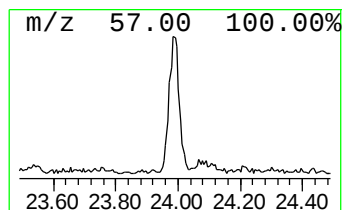
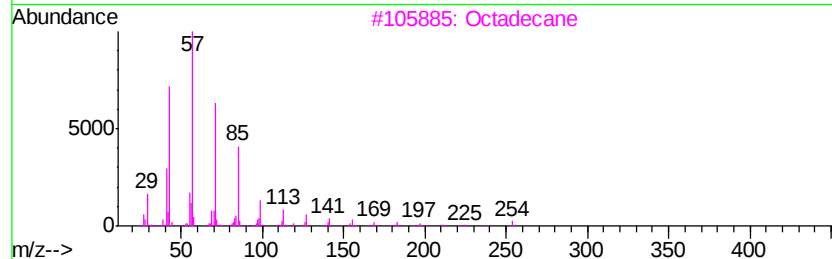
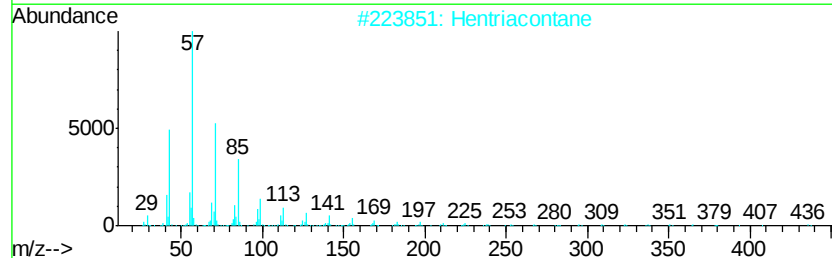
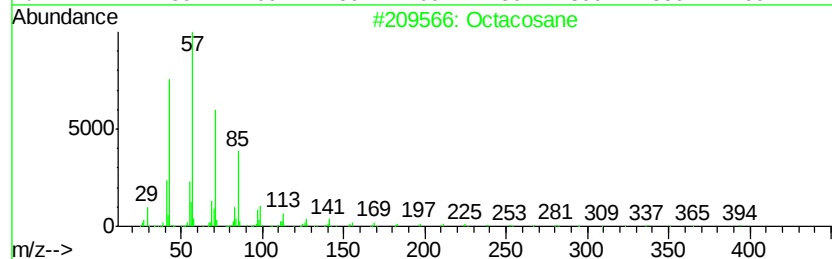
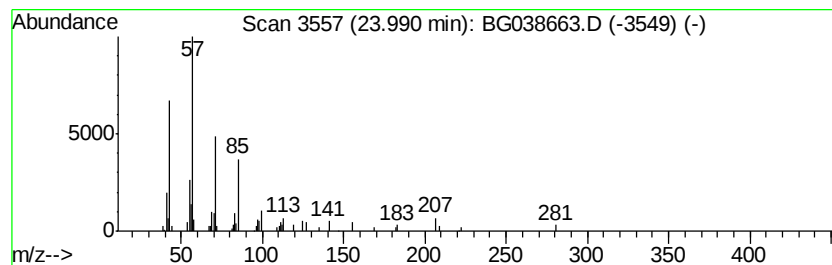
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Octacosane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.99 | 4.35 ng | 81051 | Perylene-d12     | 25.02 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane              | 394 | C28H58  | 000630-02-4 | 87   |
| 2    |    | Hentriacontane          | 437 | C31H64  | 000630-04-6 | 86   |
| 3    |    | Octadecane              | 254 | C18H38  | 000593-45-3 | 86   |
| 4    |    | Undecane, 3,8-dimethyl- | 184 | C13H28  | 017301-30-3 | 86   |
| 5    |    | Nonadecane, 2-methyl-   | 282 | C20H42  | 001560-86-7 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121718\  
Data File : BG038663.D  
Acq On : 17 Dec 2018 15:04  
Operator : JU/SJ  
Sample : J6378-09  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SD011-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| 2-Pentanone, 4-hy... | 5.14  | 5.4     | ng    | 31676    | 1                     | 8.06  | 118017 | 20.0 |
| unknown7.59          | 7.59  | 99.0    | ng    | 583959   | 1                     | 8.06  | 118017 | 20.0 |
| Oxalic acid, isob... | 21.32 | 4.7     | ng    | 92410    | 5                     | 21.72 | 395209 | 20.0 |
| Docosane, 11-butyl-  | 22.47 | 3.6     | ng    | 71132    | 5                     | 21.72 | 395209 | 20.0 |
| Octacosane           | 23.99 | 4.3     | ng    | 81051    | 6                     | 25.02 | 372702 | 20.0 |