

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG017018.D  
 Acq On : 10 May 2015 10:15  
 Operator : TP/IZ  
 Sample : G2152-04  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU021-SB-13-3.0

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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\_G\METHODS\8270-BG050515.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         | 2.776       | 11            | 15          | 30           | rVB      | 3125256        | 3487376       | 100.00%         | 13.225%       |
| 2         | 2.917       | 35            | 39          | 48           | rVB      | 97354          | 152771        | 4.38%           | 0.579%        |
| 3         | 2.993       | 48            | 52          | 56           | rBV      | 112628         | 134018        | 3.84%           | 0.508%        |
| 4         | 4.909       | 372           | 378         | 384          | rBV      | 69046          | 98242         | 2.82%           | 0.373%        |
| 5         | 5.379       | 452           | 458         | 467          | rBV      | 978414         | 1393089       | 39.95%          | 5.283%        |
| 6         | 6.971       | 720           | 729         | 739          | rBV      | 1105555        | 1742062       | 49.95%          | 6.606%        |
| 7         | 7.329       | 783           | 790         | 798          | rBV      | 978041         | 1596999       | 45.79%          | 6.056%        |
| 8         | 7.788       | 861           | 868         | 878          | rBV      | 297642         | 460866        | 13.22%          | 1.748%        |
| 9         | 8.111       | 916           | 923         | 931          | rVB      | 641884         | 1024174       | 29.37%          | 3.884%        |
| 10        | 8.945       | 1056          | 1065        | 1077         | rBV      | 641284         | 1062212       | 30.46%          | 4.028%        |
| 11        | 10.578      | 1336          | 1343        | 1352         | rVB      | 429149         | 728465        | 20.89%          | 2.763%        |
| 12        | 13.046      | 1756          | 1763        | 1777         | rBV      | 1473759        | 2258105       | 64.75%          | 8.563%        |
| 13        | 13.880      | 1900          | 1905        | 1910         | rBV      | 70235          | 97579         | 2.80%           | 0.370%        |
| 14        | 14.427      | 1992          | 1998        | 2006         | rBV2     | 739843         | 1103477       | 31.64%          | 4.185%        |
| 15        | 15.279      | 2138          | 2143        | 2148         | rVB2     | 33821          | 43422         | 1.25%           | 0.165%        |
| 16        | 15.913      | 2245          | 2251        | 2260         | rBV      | 1551300        | 2179875       | 62.51%          | 8.267%        |
| 17        | 16.137      | 2284          | 2289        | 2299         | rBV2     | 39913          | 88955         | 2.55%           | 0.337%        |
| 18        | 17.171      | 2459          | 2465        | 2471         | rBV2     | 977765         | 1400944       | 40.17%          | 5.313%        |
| 19        | 18.064      | 2612          | 2617        | 2624         | rBV2     | 212249         | 305754        | 8.77%           | 1.160%        |
| 20        | 19.033      | 2778          | 2782        | 2785         | rBV5     | 28869          | 42228         | 1.21%           | 0.160%        |
| 21        | 19.221      | 2808          | 2814        | 2819         | rBV6     | 29980          | 62006         | 1.78%           | 0.235%        |
| 22        | 19.345      | 2829          | 2835        | 2839         | rBV2     | 118872         | 169625        | 4.86%           | 0.643%        |
| 23        | 19.797      | 2906          | 2912        | 2917         | rBV      | 2741828        | 3418323       | 98.02%          | 12.963%       |
| 24        | 20.479      | 3024          | 3028        | 3035         | rBV2     | 180770         | 230440        | 6.61%           | 0.874%        |
| 25        | 21.054      | 3122          | 3126        | 3133         | rBV      | 271018         | 310595        | 8.91%           | 1.178%        |
| 26        | 21.342      | 3170          | 3175        | 3181         | rBV      | 1061311        | 1426076       | 40.89%          | 5.408%        |
| 27        | 23.640      | 3559          | 3566        | 3574         | rBV2     | 680030         | 1351416       | 38.75%          | 5.125%        |

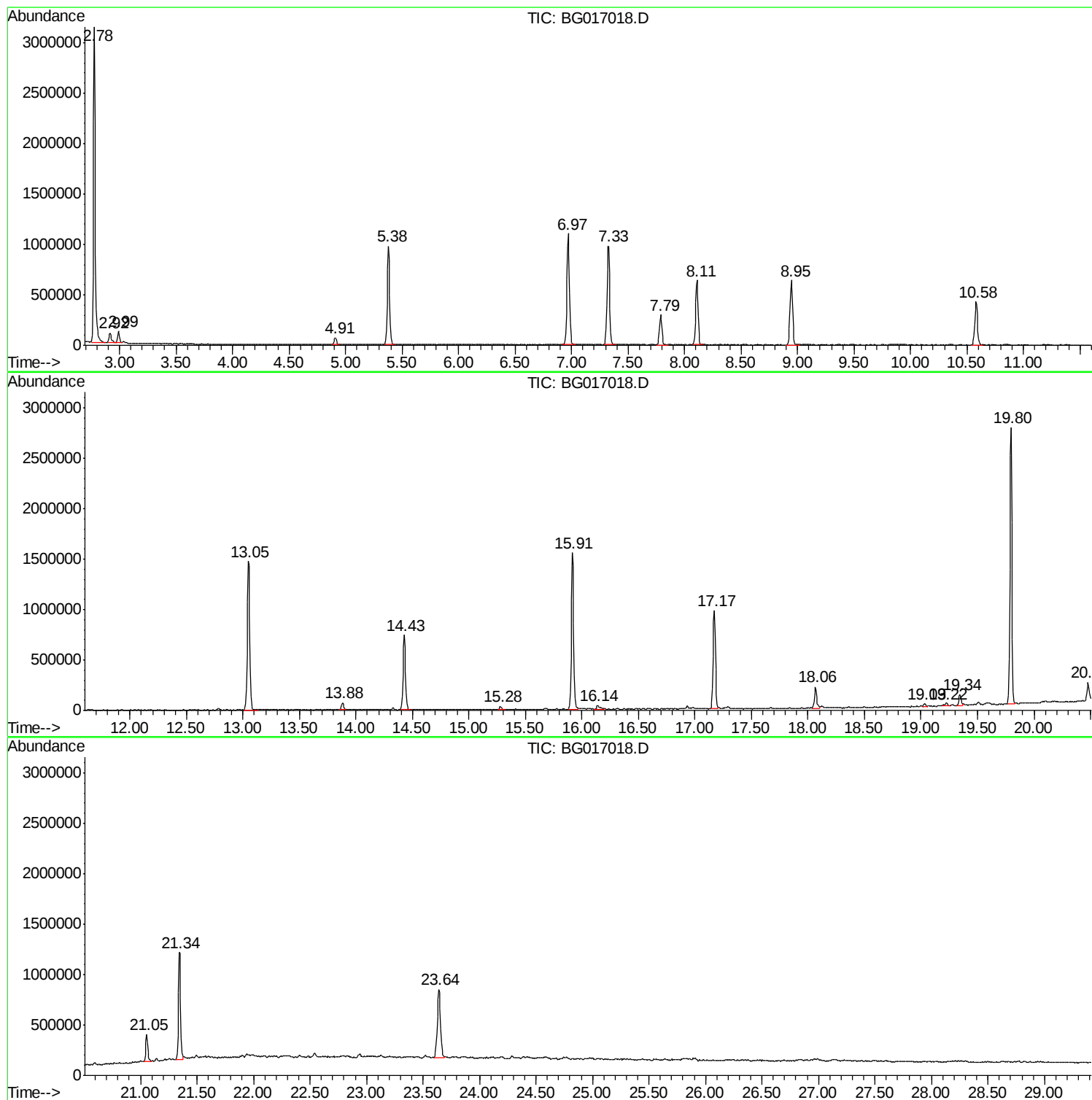
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Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

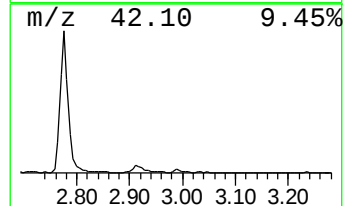
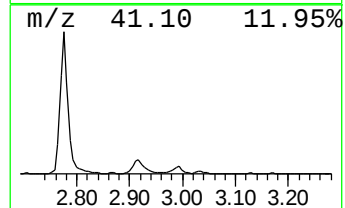
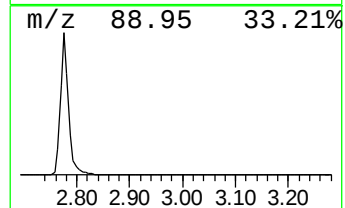
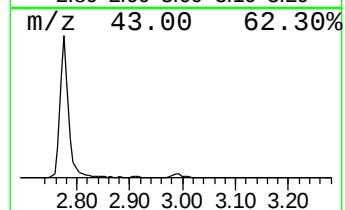
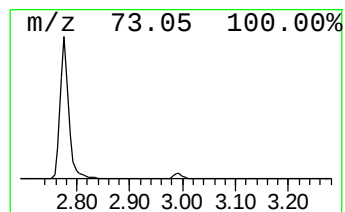
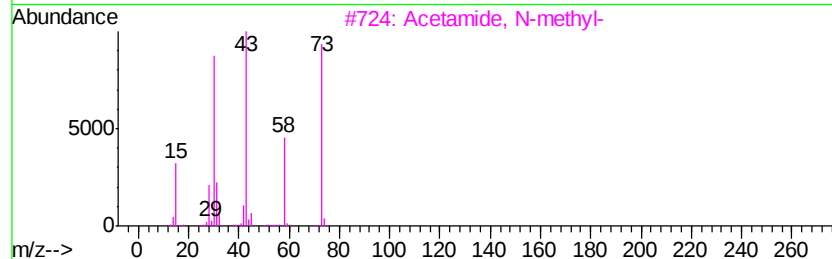
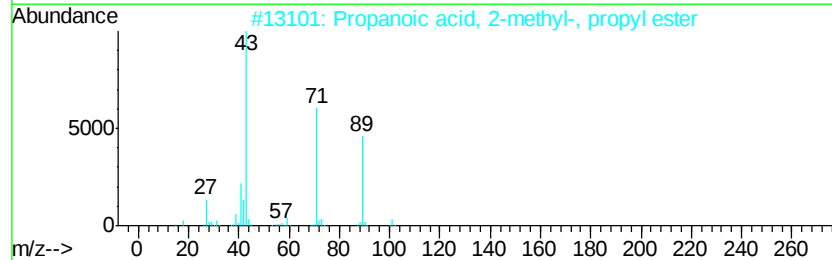
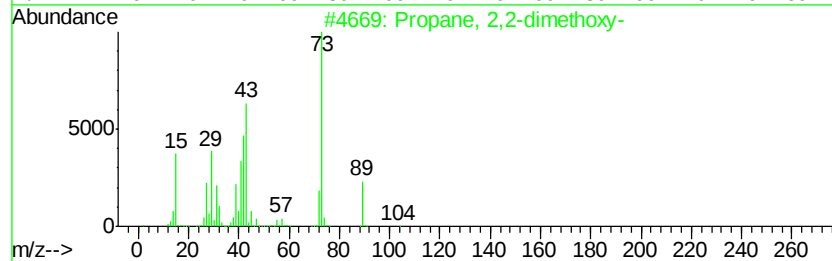
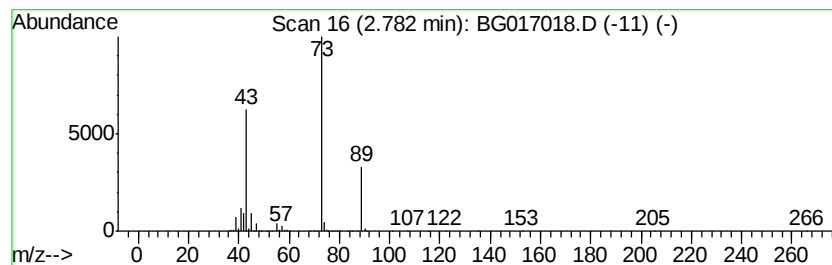
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown2.78 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 2.78 | 151.34 ng | 3487380 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Propane, 2,2-dimethoxy-             | 104 | C5H12O2 | 000077-76-9 | 45   |
| 2       |   | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 25   |
| 3       |   | Acetamide, N-methyl-                | 73  | C3H7NO  | 000079-16-3 | 9    |
| 4       |   | Propane, 2-methoxy-2-methyl-        | 88  | C5H12O  | 001634-04-4 | 9    |
| 5       |   | 1,3-Diaminoguanidine                | 89  | CH7N5   | 004364-78-7 | 7    |



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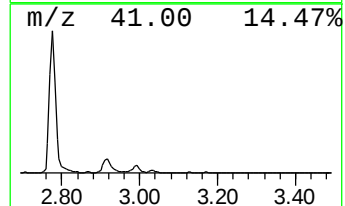
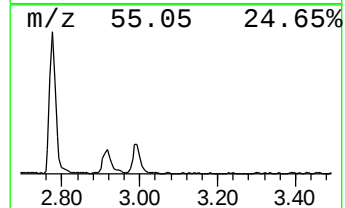
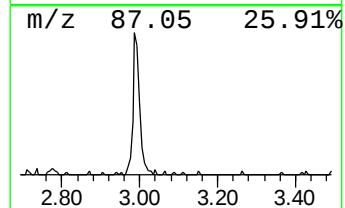
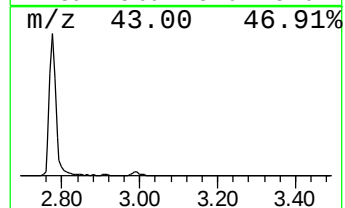
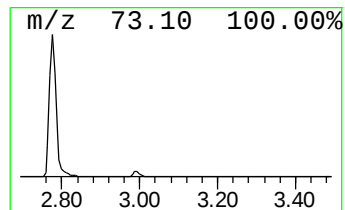
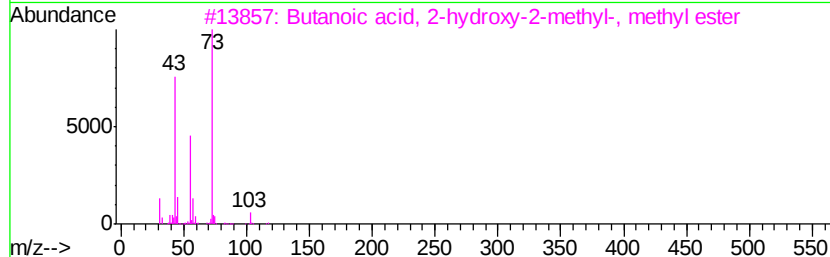
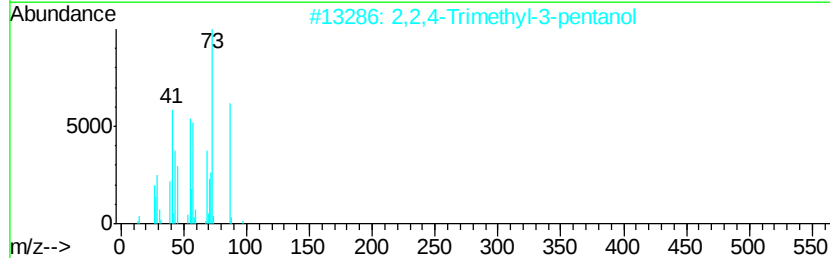
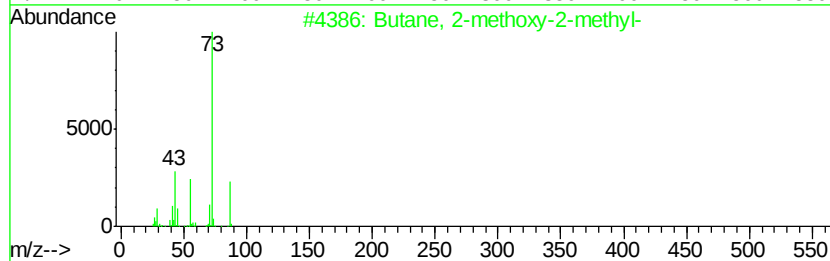
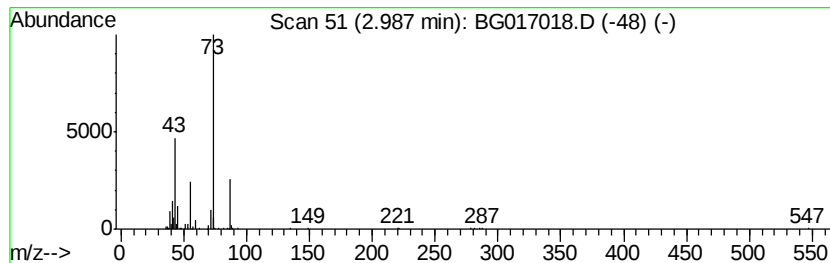
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.99 | 5.82 ng | 134018 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-          | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol           | 130 | C8H18O  | 005162-48-1 | 50   |
| 3    |    | Butanoic acid, 2-hydroxy-2-methyl... | 132 | C6H12O3 | 032793-34-3 | 17   |
| 4    |    | 2-Methyl-5-hexen-3-ol                | 114 | C7H14O  | 032815-70-6 | 12   |
| 5    |    | 1,3-Dioxolane, 2-methyl-             | 88  | C4H8O2  | 000497-26-7 | 9    |



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Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

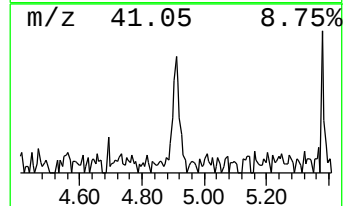
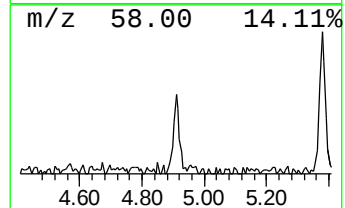
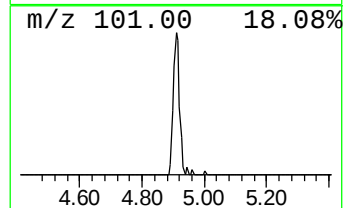
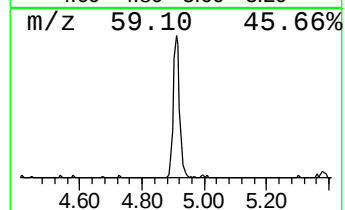
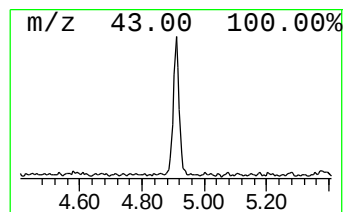
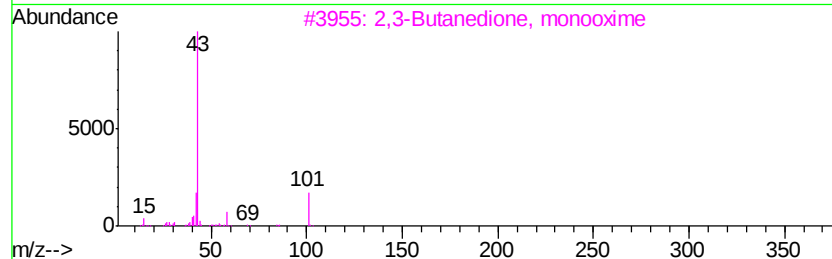
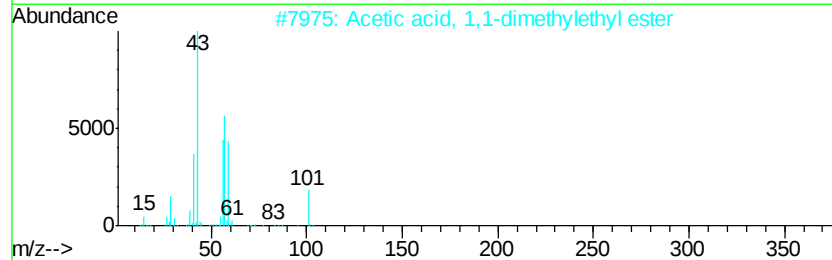
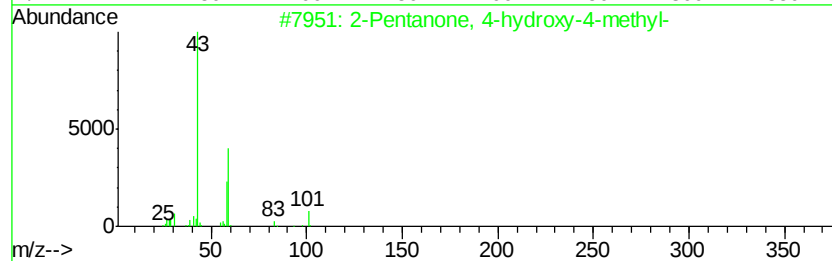
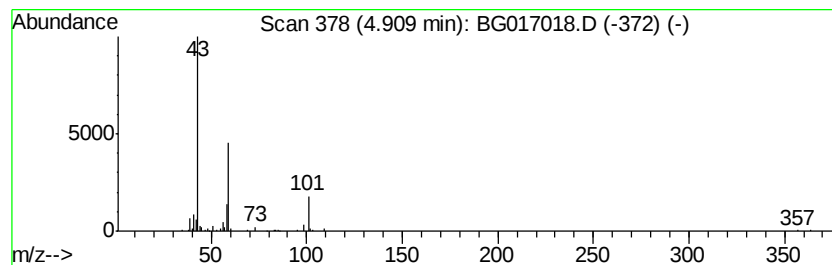
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown4.91 Concentration Rank 8

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.91 | 4.26 ng | 98242 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of | 5                                   | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2 | 000123-42-2 | 42   |      |
| 2       | Acetic acid, 1,1-dimethylethyl e... | 116          | C6H12O2 | 000540-88-5 | 38   |      |
| 3       | 2,3-Butanedione, monooxime          | 101          | C4H7NO2 | 000057-71-6 | 25   |      |
| 4       | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101          | C4H7NO2 | 016504-58-8 | 9    |      |
| 5       | Morpholine, 4-methyl-               | 101          | C5H11NO | 000109-02-4 | 9    |      |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

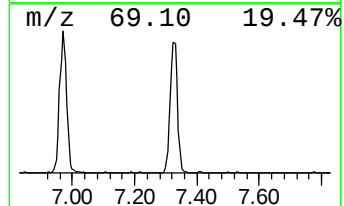
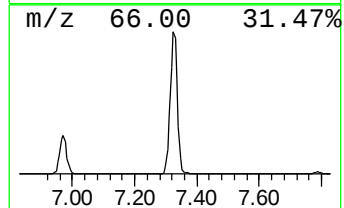
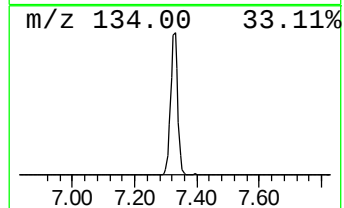
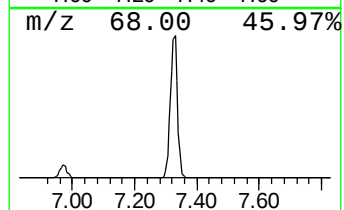
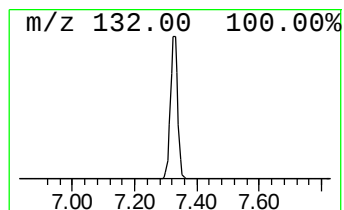
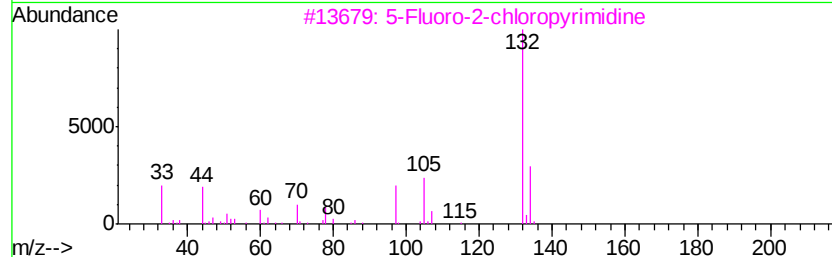
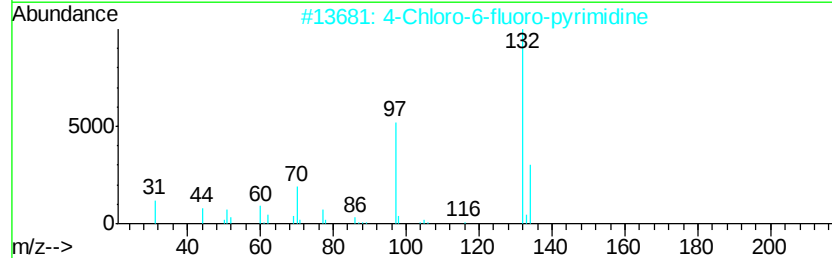
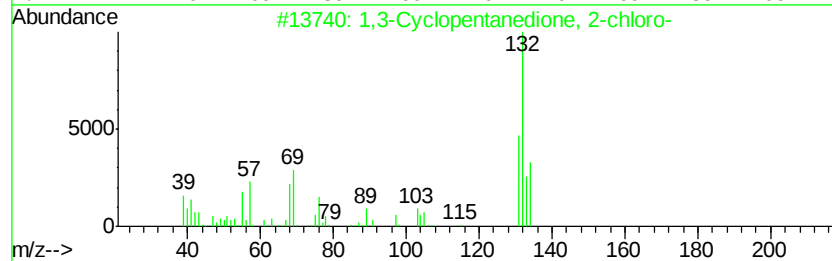
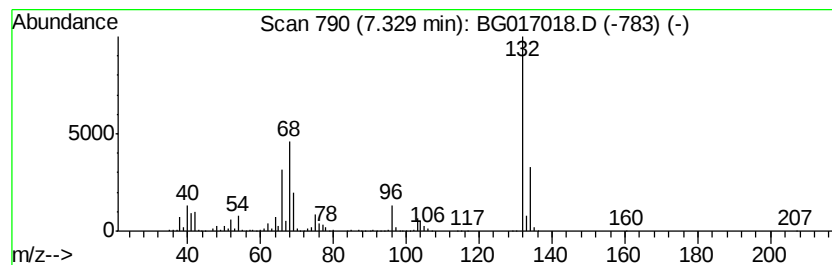
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 5 unknown7.33 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.33 | 69.30 ng | 1597000 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 35   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 27   |
| 5    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 22   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

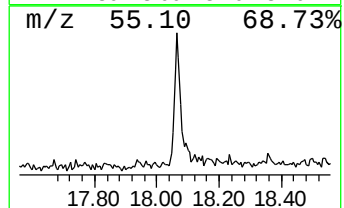
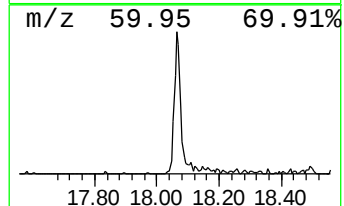
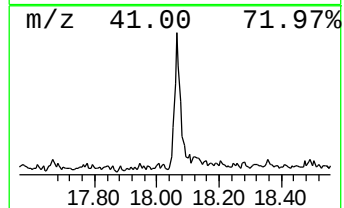
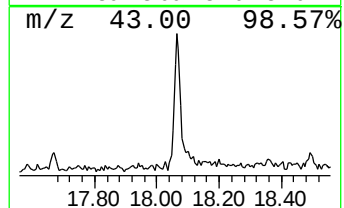
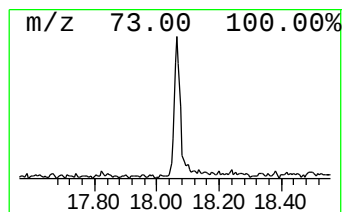
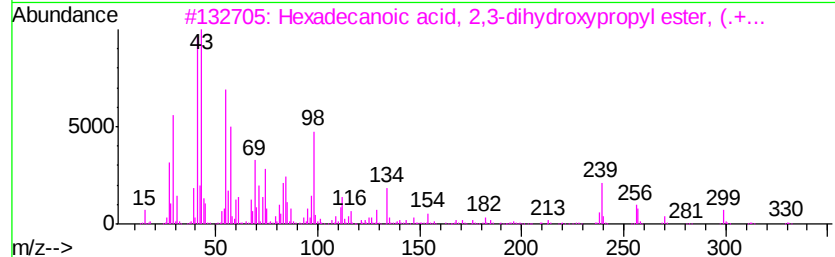
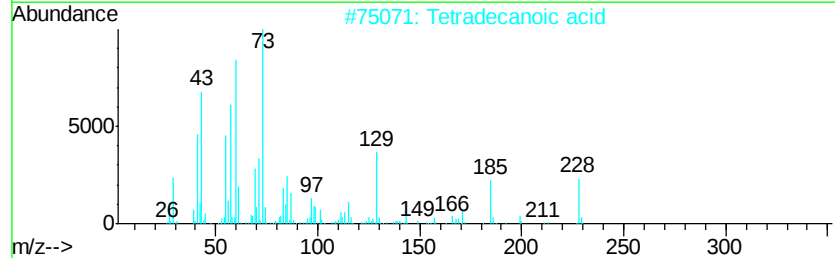
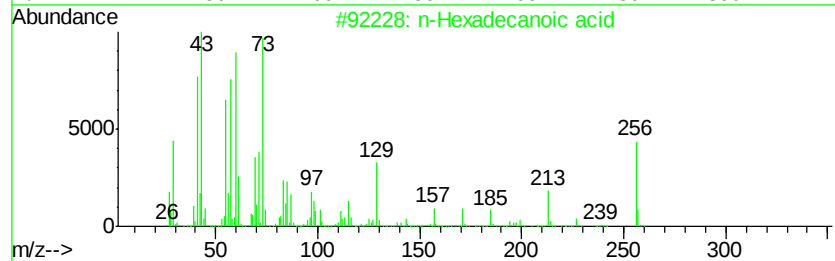
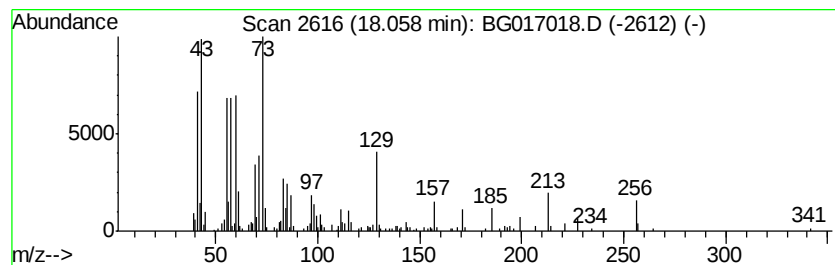
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.06 | 4.36 ng | 305754 | Phenanthrene-d10 | 17.17 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2       |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 3       |   | Hexadecanoic acid, 2,3-dihydroxy... | 330 | C19H38O4 | 019670-51-0 | 43   |
| 4       |   | Amyl Nitrite                        | 117 | C5H11NO2 | 000110-46-3 | 22   |
| 5       |   | Decane, 2-methyl-                   | 156 | C11H24   | 006975-98-0 | 15   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017018.D  
Acq On : 10 May 2015 10:15  
Operator : TP/IZ  
Sample : G2152-04  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

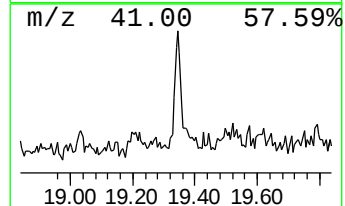
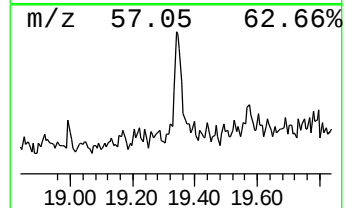
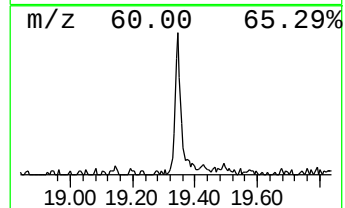
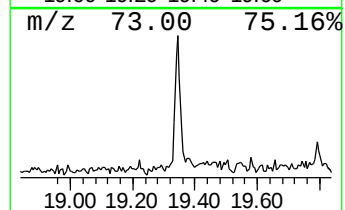
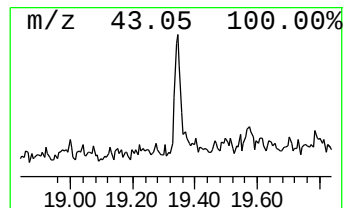
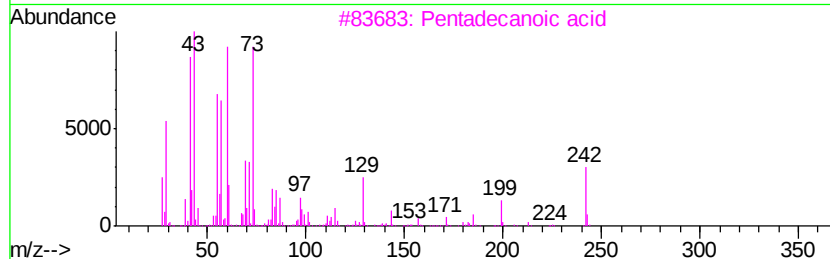
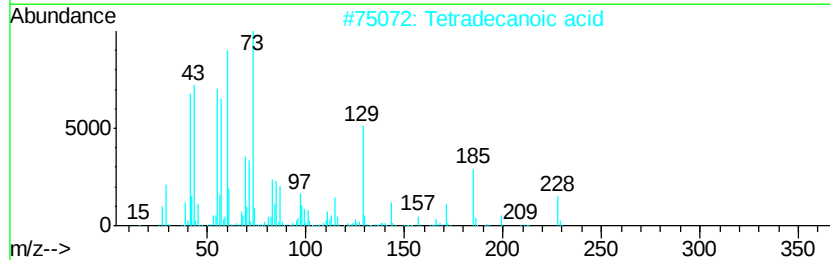
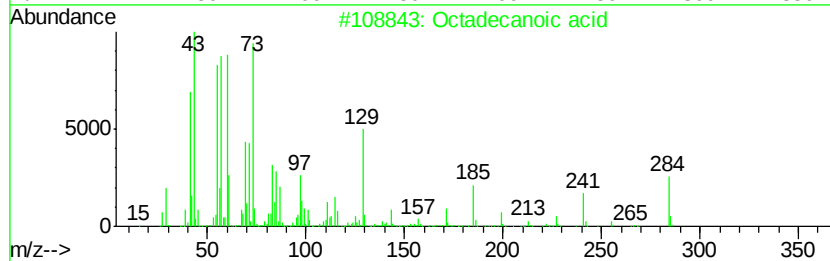
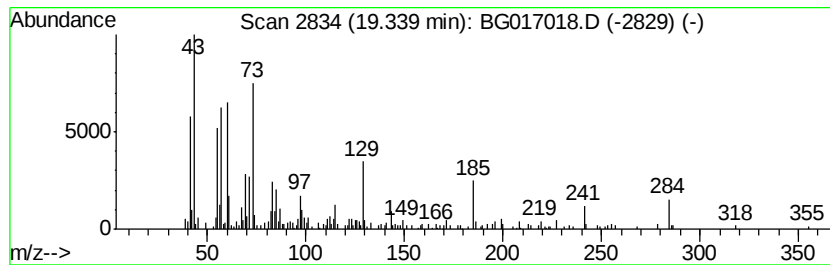
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octadecanoic acid Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.34 | 2.38 ng | 169625 | Chrysene-d12     | 21.35 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2    |    | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58   |
| 3    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 50   |
| 4    |    | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 47   |
| 5    |    | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 46   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017018.D  
Acq On : 10 May 2015 10:15  
Operator : TP/IZ  
Sample : G2152-04  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

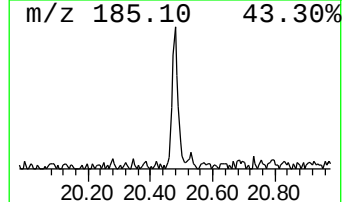
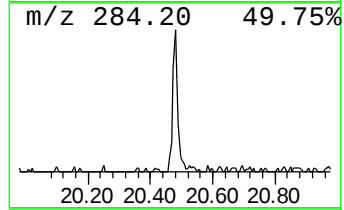
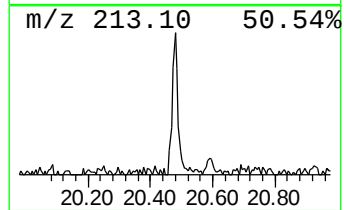
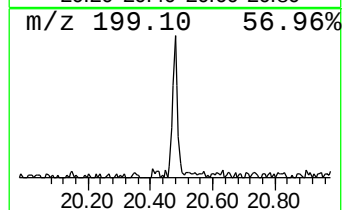
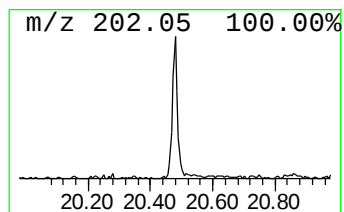
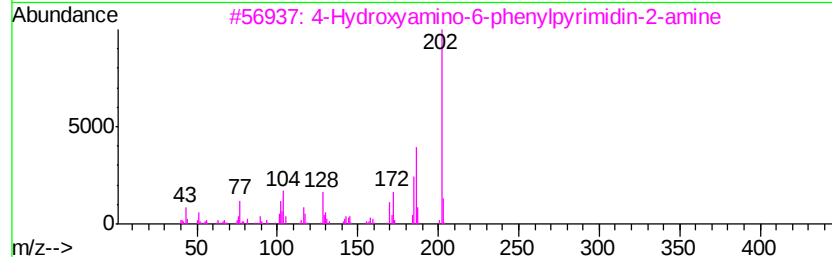
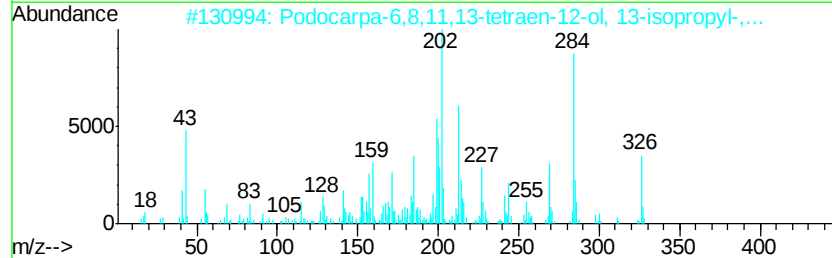
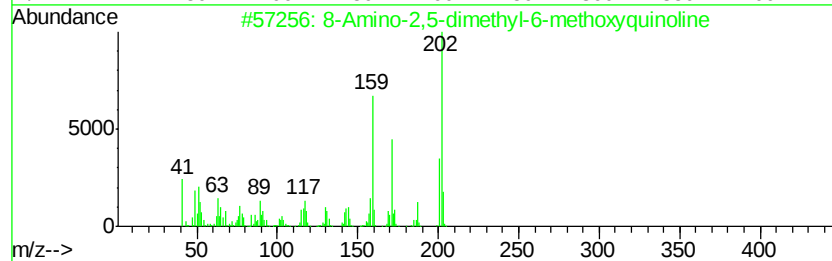
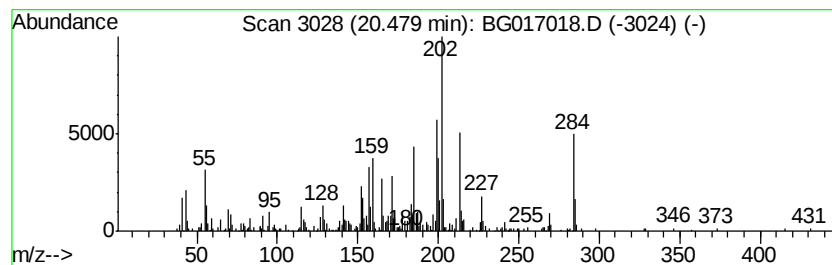
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown20.48 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.48 | 3.23 ng | 230440 | Chrysene-d12     | 21.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 8-Amino-2,5-dimethyl-6-methoxyqu... | 202 | C12H14N2O  | 1000214-69-9 | 47   |
| 2    |    | Podocarpa-6,8,11,13-tetraen-12-o... | 326 | C22H30O2   | 022160-86-7  | 38   |
| 3    |    | 4-Hydroxyamino-6-phenylpyrimidin... | 202 | C10H10N4O  | 1000111-25-2 | 35   |
| 4    |    | Oxadiazolo[3,4-a]pyridazino[4,3-... | 202 | C10H10N4O  | 1000260-59-4 | 27   |
| 5    |    | n-Heptanoic acid,methyl(tetramet... | 228 | C12H24O2Si | 1000217-03-6 | 25   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017018.D  
Acq On : 10 May 2015 10:15  
Operator : TP/IZ  
Sample : G2152-04  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

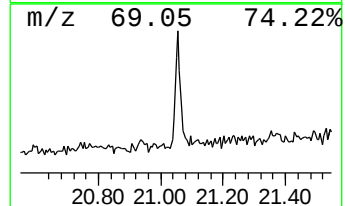
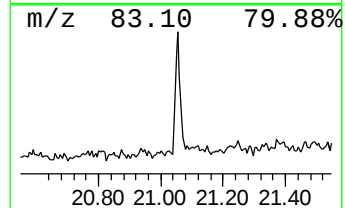
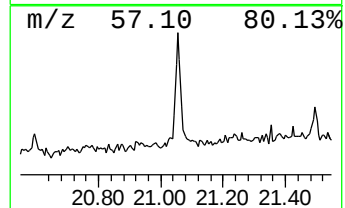
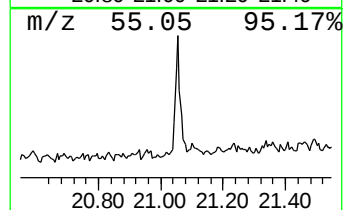
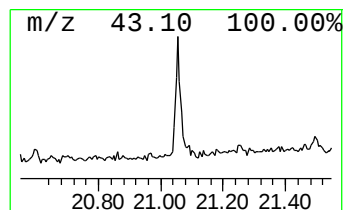
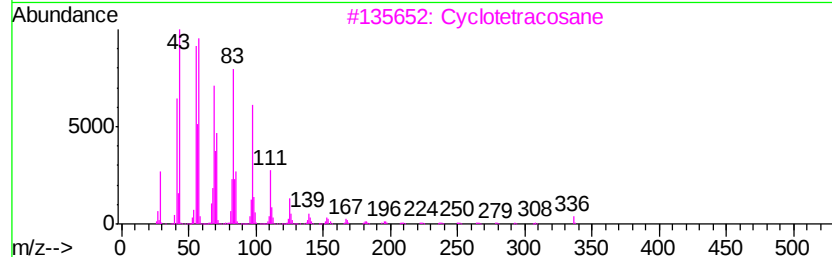
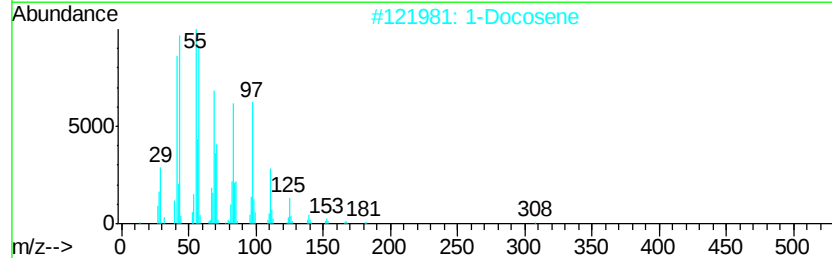
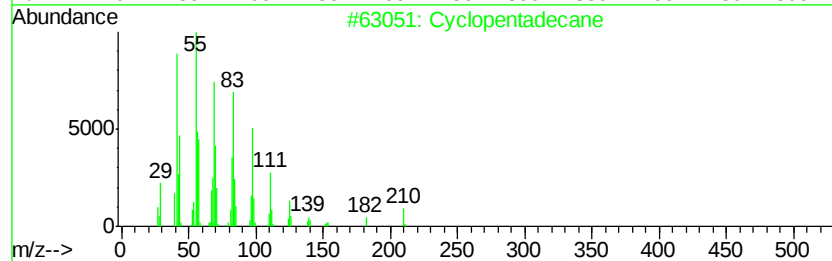
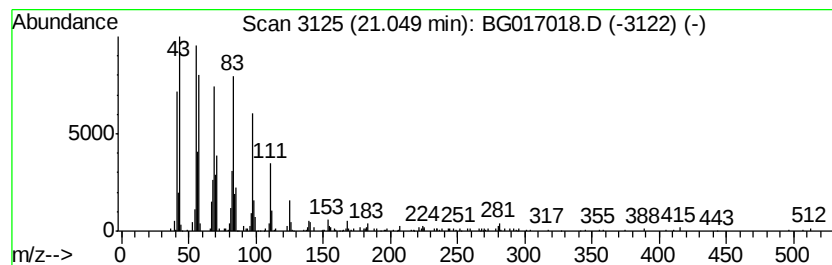
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Cyclopentadecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.05 | 4.36 ng | 310595 | Chrysene-d12     | 21.35 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentadecane | 210 | C15H30  | 000295-48-7 | 97   |
| 2    |    | 1-Docosene       | 308 | C22H44  | 001599-67-3 | 95   |
| 3    |    | Cyclotetracosane | 336 | C24H48  | 000297-03-0 | 95   |
| 4    |    | 1-Nonadecene     | 266 | C19H38  | 018435-45-5 | 93   |
| 5    |    | 1-Hexacosene     | 364 | C26H52  | 018835-33-1 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017018.D  
Acq On : 10 May 2015 10:15  
Operator : TP/IZ  
Sample : G2152-04  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-13-3.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| unknown2.78          | 2.78  | 151.3   | ng    | 3487380  | 1                     | 7.79  | 460866  | 20.0 |
| Butane, 2-methoxy... | 2.99  | 5.8     | ng    | 134018   | 1                     | 7.79  | 460866  | 20.0 |
| unknown4.91          | 4.91  | 4.3     | ng    | 98242    | 1                     | 7.79  | 460866  | 20.0 |
| unknown7.33          | 7.33  | 69.3    | ng    | 1597000  | 1                     | 7.79  | 460866  | 20.0 |
| n-Hexadecanoic acid  | 18.06 | 4.4     | ng    | 305754   | 4                     | 17.17 | 1400940 | 20.0 |
| Octadecanoic acid    | 19.34 | 2.4     | ng    | 169625   | 5                     | 21.35 | 1426080 | 20.0 |
| unknown20.48         | 20.48 | 3.2     | ng    | 230440   | 5                     | 21.35 | 1426080 | 20.0 |
| Cyclopentadecane     | 21.05 | 4.4     | ng    | 310595   | 5                     | 21.35 | 1426080 | 20.0 |