

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
 Data File : BG023024.D  
 Acq On : 12 Jul 2016 6:37  
 Operator : UM/SJ  
 Sample : H3963-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICF-WSG-02

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:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.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         | 3.037       | 29            | 34          | 47           | rBV      | 2536314        | 3480659       | 31.16%          | 5.736%        |
| 2         | 5.223       | 400           | 406         | 413          | rVB      | 364572         | 572377        | 5.12%           | 0.943%        |
| 3         | 5.699       | 480           | 487         | 497          | rBV      | 2352183        | 3733746       | 33.43%          | 6.153%        |
| 4         | 7.309       | 751           | 761         | 773          | rBV      | 2666787        | 4661056       | 41.73%          | 7.682%        |
| 5         | 7.685       | 816           | 825         | 835          | rBV      | 2390902        | 4208053       | 37.68%          | 6.935%        |
| 6         | 8.149       | 898           | 904         | 913          | rVB      | 372294         | 676094        | 6.05%           | 1.114%        |
| 7         | 8.478       | 952           | 960         | 970          | rBV      | 1723220        | 3016670       | 27.01%          | 4.972%        |
| 8         | 9.324       | 1096          | 1104        | 1115         | rBV      | 1595147        | 2988668       | 26.76%          | 4.925%        |
| 9         | 10.981      | 1378          | 1386        | 1394         | rBV      | 613366         | 1085025       | 9.71%           | 1.788%        |
| 10        | 13.419      | 1793          | 1801        | 1811         | rBV      | 4649258        | 7399826       | 66.25%          | 12.195%       |
| 11        | 14.242      | 1934          | 1941        | 1947         | rBV      | 852941         | 1307580       | 11.71%          | 2.155%        |
| 12        | 14.800      | 2029          | 2036        | 2043         | rVB2     | 1093693        | 1773228       | 15.88%          | 2.922%        |
| 13        | 16.292      | 2282          | 2290        | 2299         | rBV      | 4289899        | 6681584       | 59.82%          | 11.012%       |
| 14        | 17.556      | 2496          | 2505        | 2512         | rBV      | 1459798        | 2254849       | 20.19%          | 3.716%        |
| 15        | 18.419      | 2648          | 2652        | 2658         | rBV2     | 213436         | 308196        | 2.76%           | 0.508%        |
| 16        | 20.158      | 2942          | 2948        | 2954         | rBV      | 8184671        | 11169337      | 100.00%         | 18.408%       |
| 17        | 21.469      | 3166          | 3171        | 3180         | rBV3     | 209203         | 397204        | 3.56%           | 0.655%        |
| 18        | 21.862      | 3232          | 3238        | 3247         | rVB      | 1489159        | 2538681       | 22.73%          | 4.184%        |
| 19        | 25.252      | 3804          | 3815        | 3829         | rVB2     | 792283         | 2425086       | 21.71%          | 3.997%        |

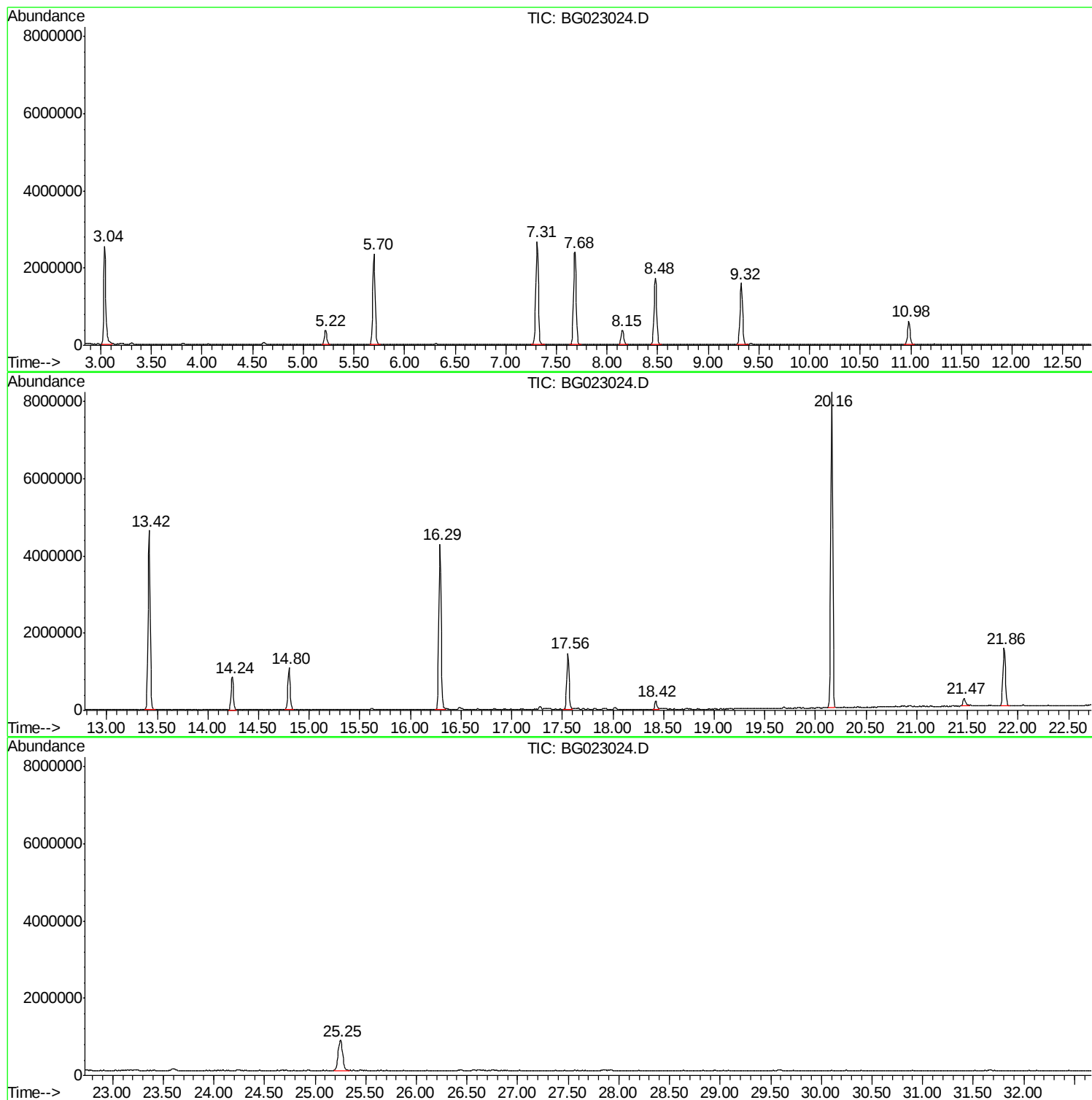
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :  
ICF-WSG-02

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.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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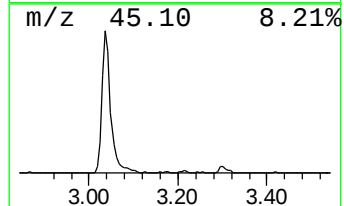
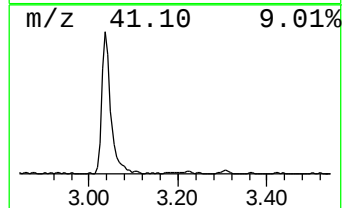
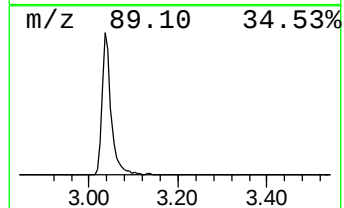
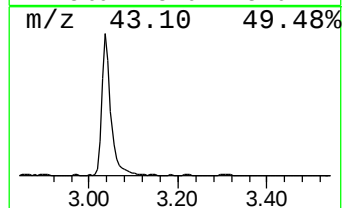
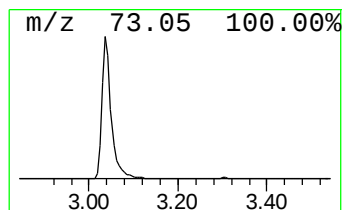
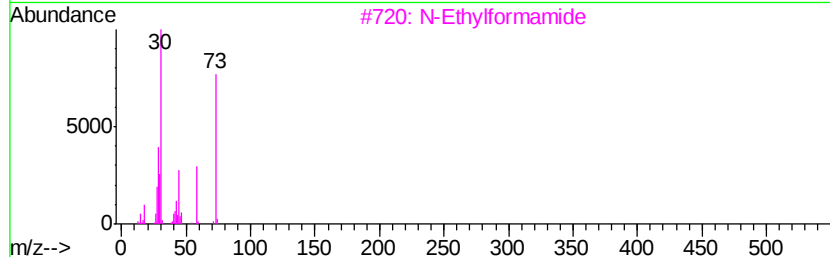
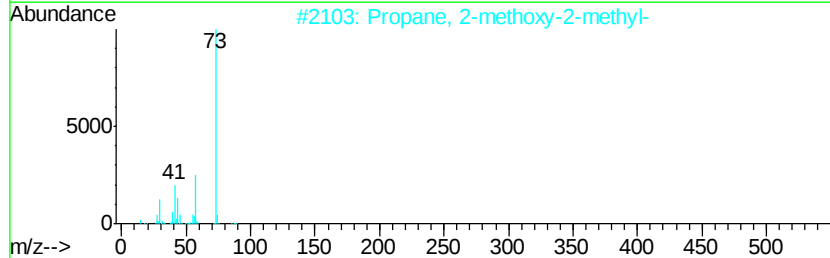
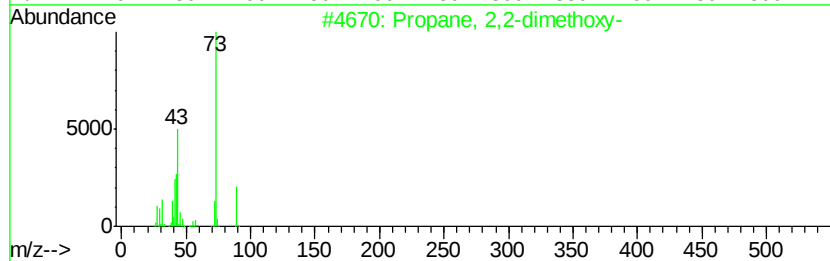
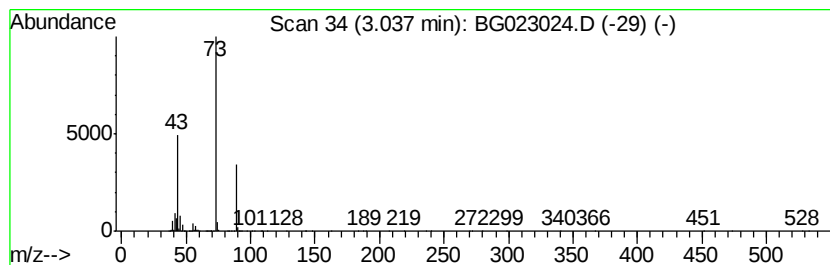
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown3.04 Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.04 | 102.96 ng | 3480660 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-        | 104 | C5H12O2  | 000077-76-9 | 38   |
| 2    |    | Propane, 2-methoxy-2-methyl-   | 88  | C5H12O   | 001634-04-4 | 9    |
| 3    |    | N-Ethylformamide               | 73  | C3H7NO   | 000627-45-2 | 5    |
| 4    |    | 1,3,5-Trioxane                 | 90  | C3H6O3   | 000110-88-3 | 4    |
| 5    |    | 1,3-Dioxolane, 2-(6-heptynyl)- | 168 | C10H16O2 | 025595-82-8 | 4    |



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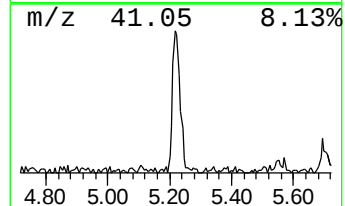
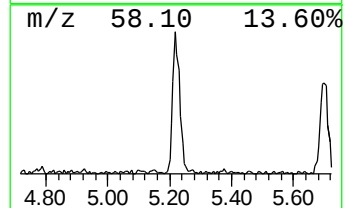
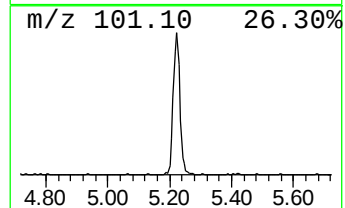
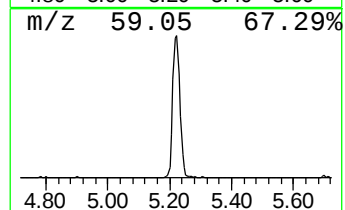
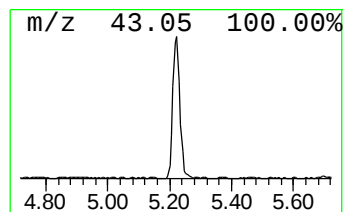
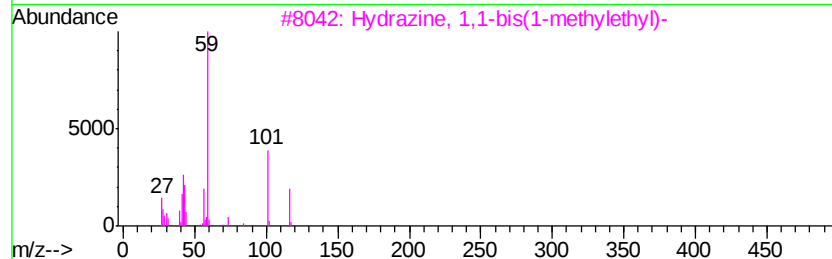
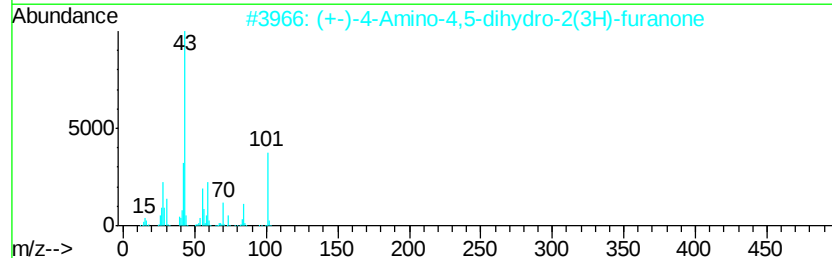
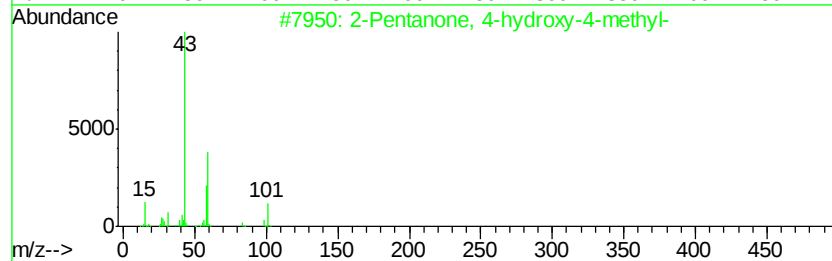
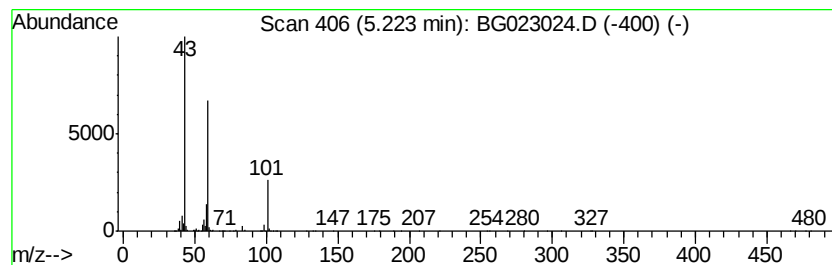
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.22 | 16.93 ng | 572377 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                               | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-           | 116 | C6H12O2  | 000123-42-2  | 50   |
| 2    |    | (+)-4-Amino-4,5-dihydro-2(3H)-furanone     | 101 | C4H7NO2  | 016504-58-8  | 40   |
| 3    |    | Hydrazine, 1,1-bis(1-methylethyl)-         | 116 | C6H16N2  | 000921-14-2  | 28   |
| 4    |    | Acetic acid, 10,11-dihydroxy-3,7-dimethyl- | 298 | C17H30O4 | 1000194-28-5 | 25   |
| 5    |    | 1,8-Nonanediol, 8-methyl-                  | 174 | C10H22O2 | 054725-73-4  | 17   |



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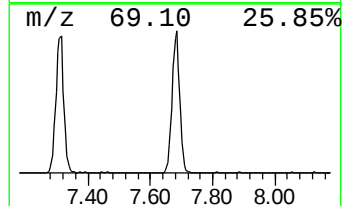
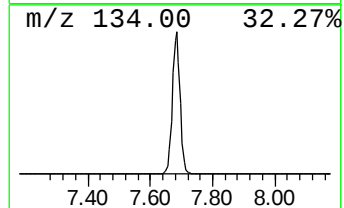
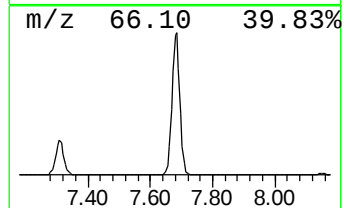
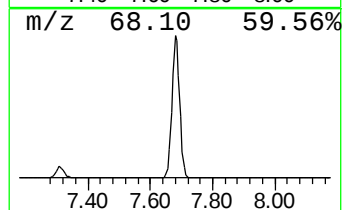
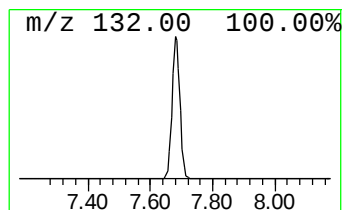
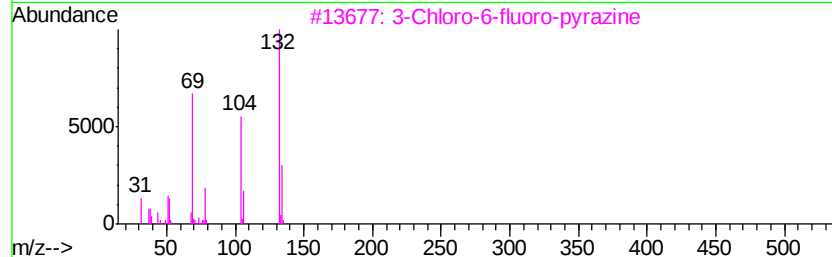
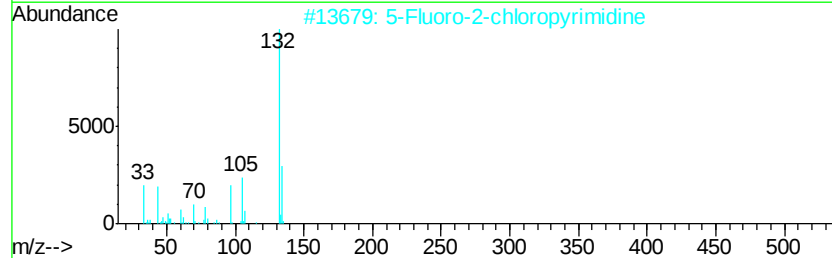
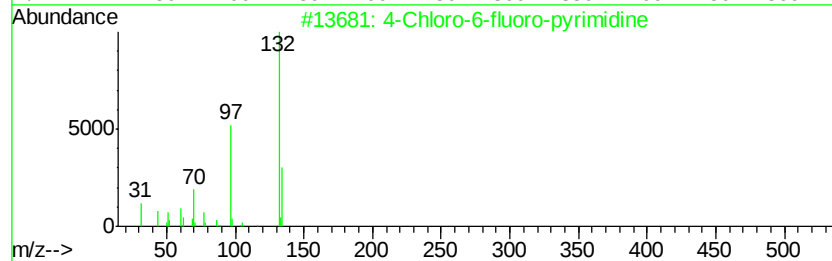
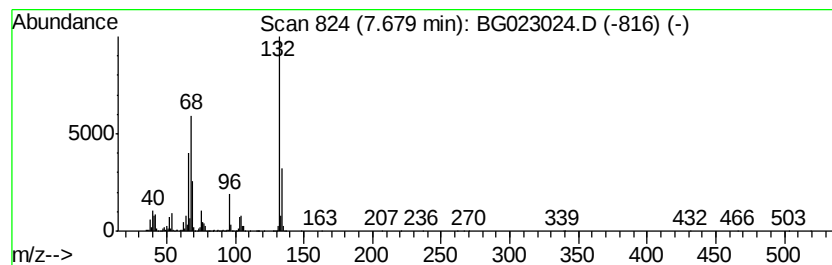
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.68 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.68 | 124.48 ng | 4208050 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 14   |
| 2    |    | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 14   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 4    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 10   |
| 5    |    | Benzene, 1,2,4-trifluoro-    | 132 | C6H3F3    | 000367-23-7  | 9    |



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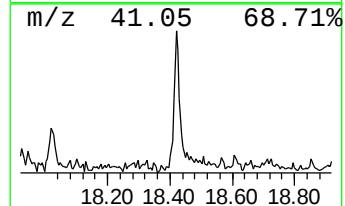
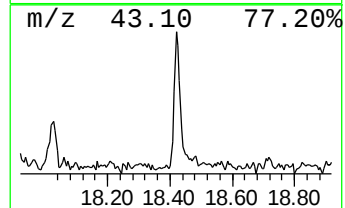
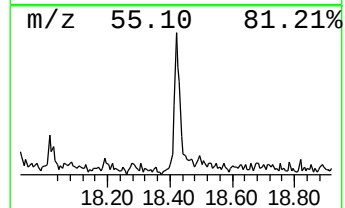
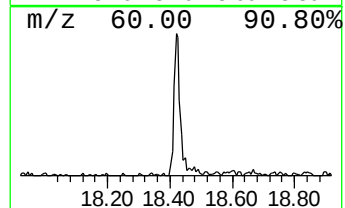
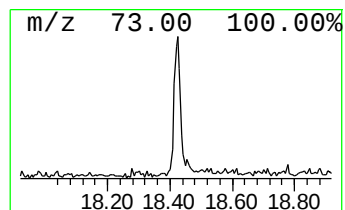
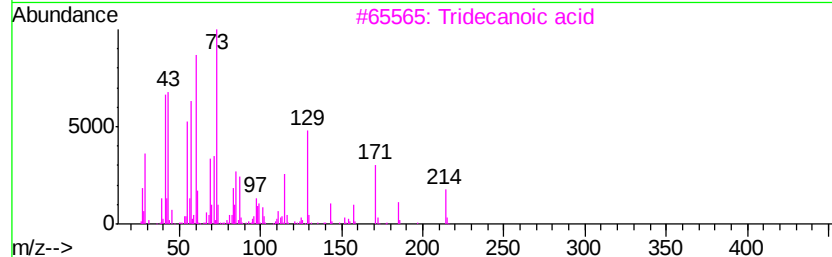
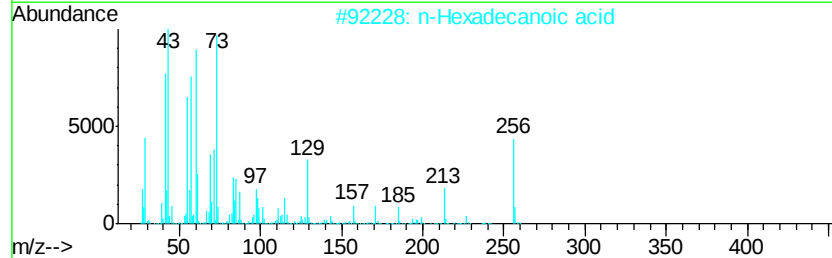
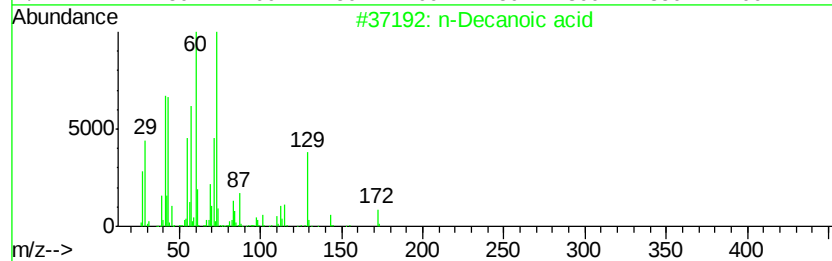
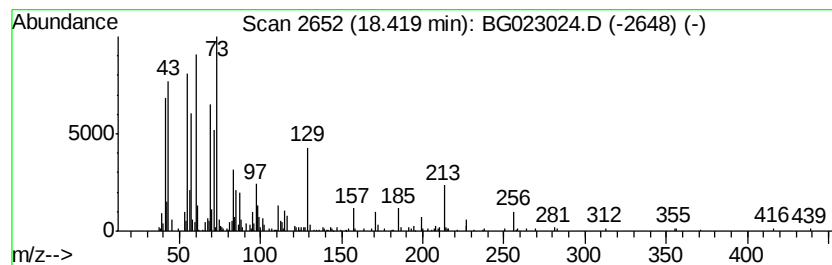
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Decanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.42 | 2.73 ng | 308196 | Phenanthrene-d10 | 17.56 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |
| 2       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72   |
| 3       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 50   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 43   |
| 5       |   | Heptanoic acid      | 130 | C7H14O2  | 000111-14-8 | 35   |



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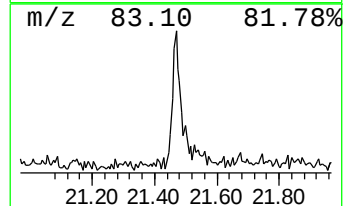
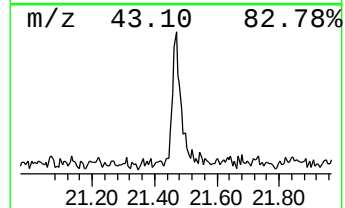
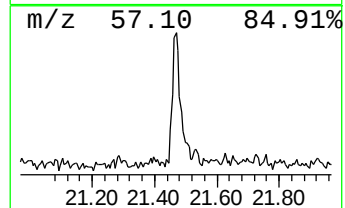
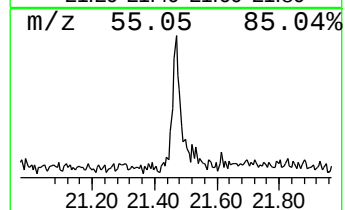
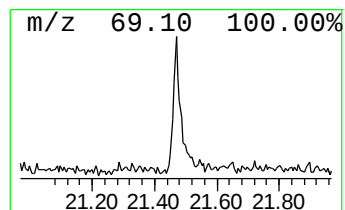
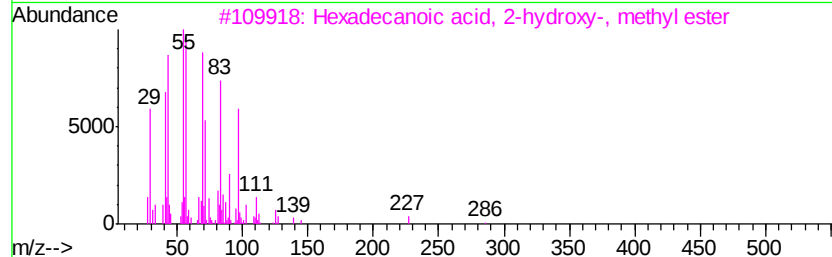
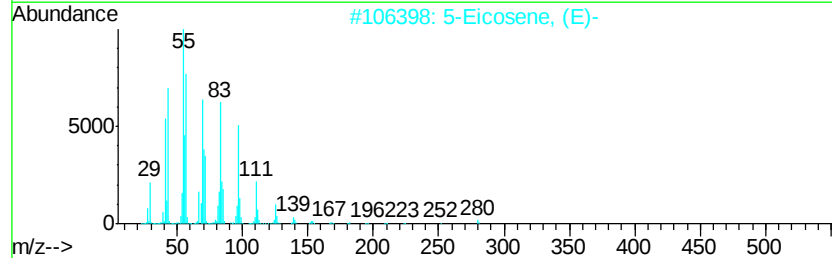
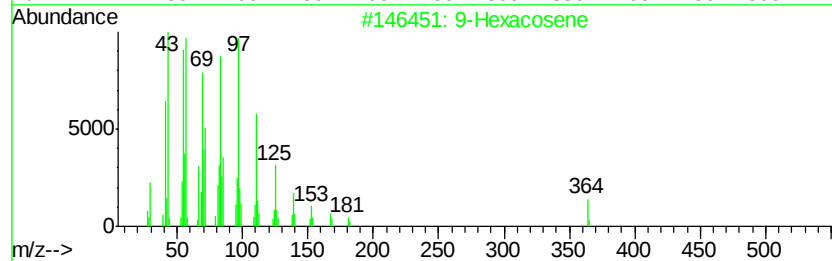
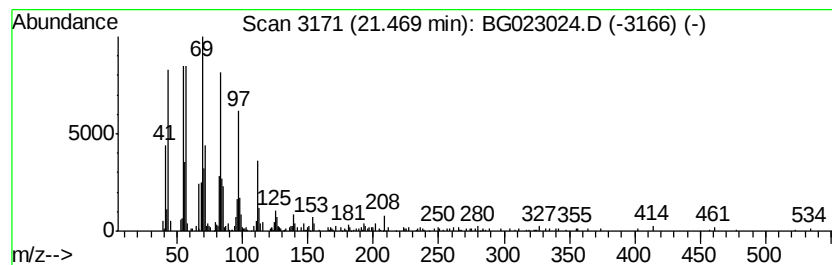
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 6 9-Hexacosene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.47 | 3.13 ng | 397204 | Chrysene-d12     | 21.86 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|-------------|-------------|------|
| 1       | 9-Hexacosene                        |              | 364 | C26H52      | 071502-22-2 | 94   |
| 2       | 5-Eicosene, (E)-                    |              | 280 | C20H40      | 074685-30-6 | 93   |
| 3       | Hexadecanoic acid, 2-hydroxy-, m... |              | 286 | C17H34O3    | 016742-51-1 | 91   |
| 4       | 2-Methyl-7-nonadecene               |              | 280 | C20H40      | 219750-68-2 | 83   |
| 5       | Trichloroacetic acid, hexadecyl ... |              | 386 | C18H33Cl3O2 | 074339-54-1 | 76   |



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Acq On : 12 Jul 2016 6:37  
Operator : UM/SJ  
Sample : H3963-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
ICF-WSG-02

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.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 |
| unknown3.04          | 3.04  | 103.0   | ng    | 3480660  | 1                     | 8.15  | 676094  | 20.0 |
| 2-Pentanone, 4-hy... | 5.22  | 16.9    | ng    | 572377   | 1                     | 8.15  | 676094  | 20.0 |
| unknown7.68          | 7.68  | 124.5   | ng    | 4208050  | 1                     | 8.15  | 676094  | 20.0 |
| n-Decanoic acid      | 18.42 | 2.7     | ng    | 308196   | 4                     | 17.56 | 2254850 | 20.0 |
| 9-Hexacosene         | 21.47 | 3.1     | ng    | 397204   | 5                     | 21.86 | 2538680 | 20.0 |