

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041315\  
 Data File : BG016392.D  
 Acq On : 14 Apr 2015 11:14  
 Operator : TP/IZ  
 Sample : G1791-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LS-SD08B

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-BG040615.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         | 2.770       | 8             | 14          | 24           | rBV2     | 111918         | 267814        | 5.61%           | 0.836%        |
| 2         | 2.852       | 24            | 28          | 35           | rVB      | 135571         | 212461        | 4.45%           | 0.663%        |
| 3         | 4.791       | 349           | 358         | 366          | rBV      | 237837         | 339325        | 7.11%           | 1.059%        |
| 4         | 5.267       | 432           | 439         | 450          | rBV      | 1941440        | 2771968       | 58.10%          | 8.654%        |
| 5         | 6.865       | 702           | 711         | 724          | rBV      | 1873660        | 3063601       | 64.22%          | 9.564%        |
| 6         | 7.212       | 763           | 770         | 780          | rBV      | 1979120        | 3065459       | 64.26%          | 9.570%        |
| 7         | 7.676       | 843           | 849         | 856          | rVB      | 360832         | 551211        | 11.55%          | 1.721%        |
| 8         | 7.993       | 896           | 903         | 910          | rBV      | 1397318        | 2195346       | 46.02%          | 6.854%        |
| 9         | 8.833       | 1038          | 1046        | 1056         | rBV      | 1112454        | 1802974       | 37.79%          | 5.629%        |
| 10        | 10.461      | 1316          | 1323        | 1330         | rBV      | 509953         | 832852        | 17.46%          | 2.600%        |
| 11        | 11.783      | 1542          | 1548        | 1554         | rBV      | 99586          | 152081        | 3.19%           | 0.475%        |
| 12        | 12.934      | 1737          | 1744        | 1753         | rBV      | 2484773        | 3684042       | 77.22%          | 11.501%       |
| 13        | 13.775      | 1881          | 1887        | 1895         | rVB      | 201117         | 265209        | 5.56%           | 0.828%        |
| 14        | 14.315      | 1972          | 1979        | 1989         | rBV2     | 705136         | 1077533       | 22.59%          | 3.364%        |
| 15        | 15.678      | 2205          | 2211        | 2216         | rBV      | 445961         | 566358        | 11.87%          | 1.768%        |
| 16        | 15.808      | 2226          | 2233        | 2248         | rBV      | 1684817        | 2427715       | 50.89%          | 7.579%        |
| 17        | 17.059      | 2439          | 2446        | 2452         | rBV2     | 885456         | 1220758       | 25.59%          | 3.811%        |
| 18        | 17.952      | 2595          | 2598        | 2605         | rBV2     | 41878          | 63399         | 1.33%           | 0.198%        |
| 19        | 19.685      | 2887          | 2893        | 2903         | rBV      | 3800313        | 4770750       | 100.00%         | 14.894%       |
| 20        | 20.949      | 3104          | 3108        | 3114         | rBV3     | 38760          | 59963         | 1.26%           | 0.187%        |
| 21        | 21.236      | 3151          | 3157        | 3169         | rBV      | 1030712        | 1335808       | 28.00%          | 4.170%        |
| 22        | 23.463      | 3529          | 3536        | 3547         | rVV2     | 658990         | 1304771       | 27.35%          | 4.073%        |

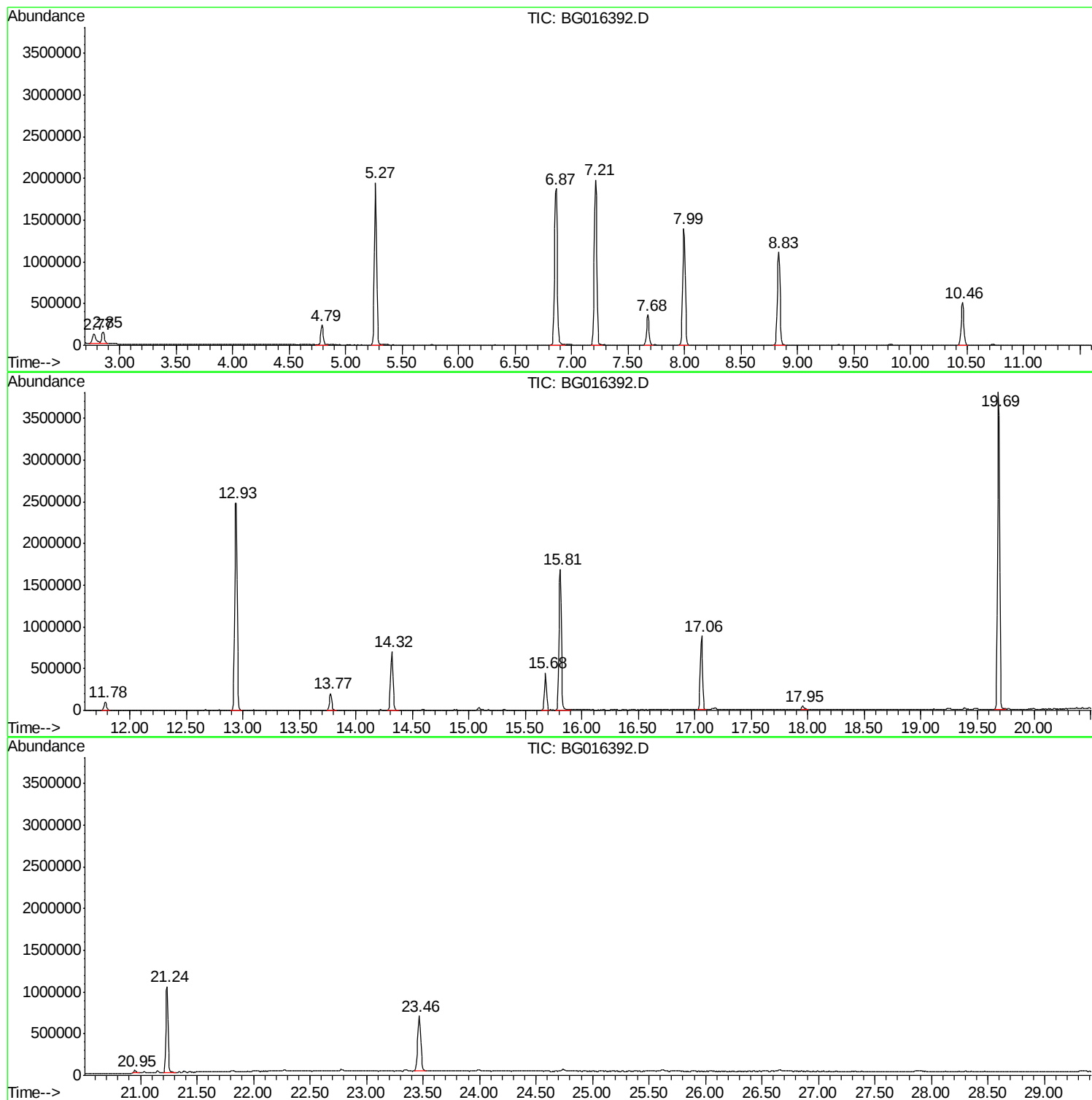
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BNA\_G  
ClientSampleId :  
LS-SD08B

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.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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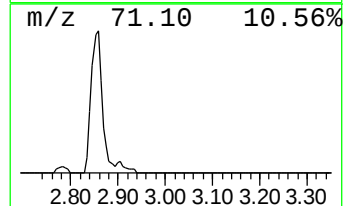
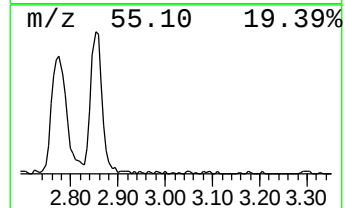
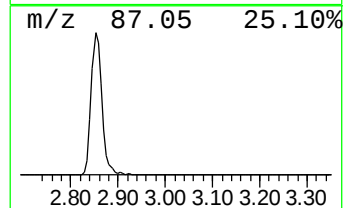
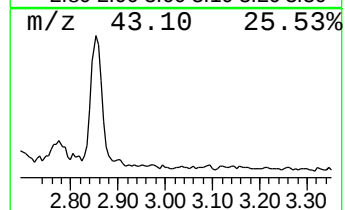
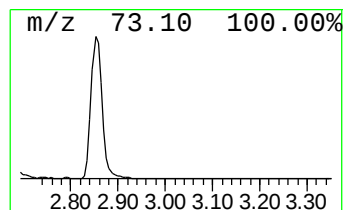
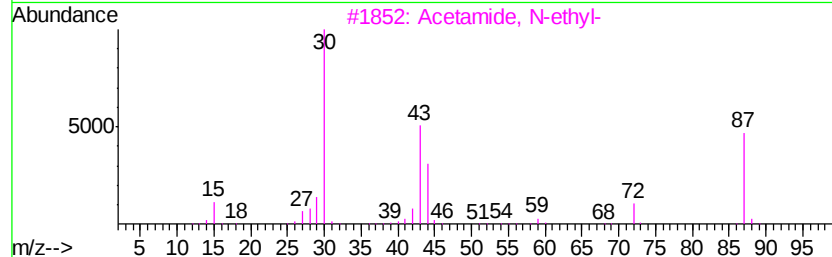
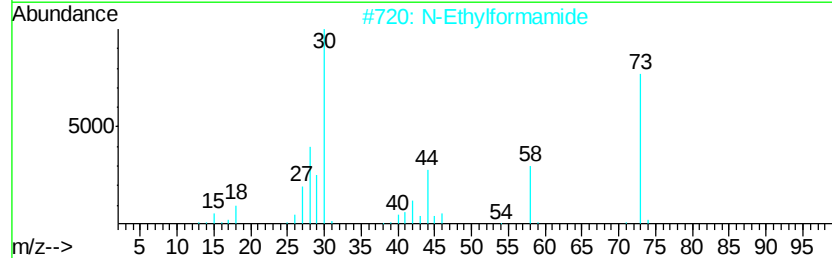
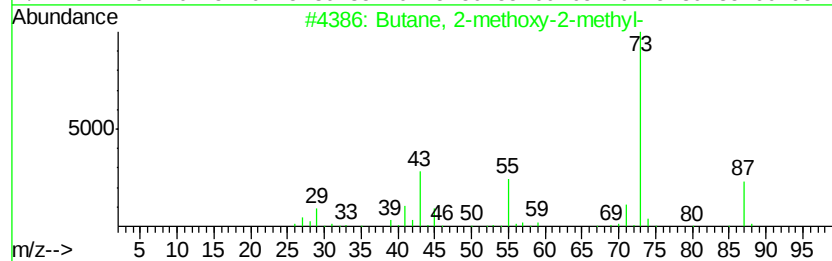
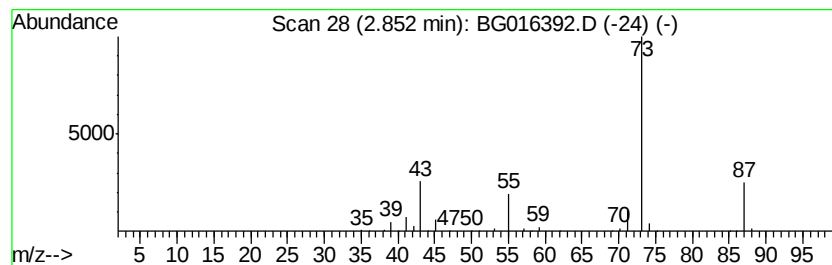
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.85 | 7.71 ng | 212461 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 78   |
| 2    |    |   | N-Ethylformamide                    | 73  | C3H7NO  | 000627-45-2  | 9    |
| 3    |    |   | Acetamide, N-ethyl-                 | 87  | C4H9NO  | 000625-50-3  | 9    |
| 4    |    |   | Acetic acid, 3-[1,3]dioxolan-2-y... | 174 | C8H14O4 | 1000186-02-3 | 9    |
| 5    |    |   | Pentane, 3-methoxy-                 | 102 | C6H14O  | 036839-67-5  | 9    |



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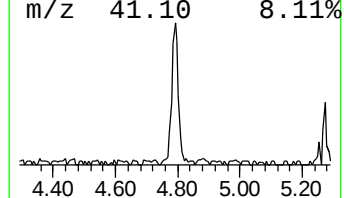
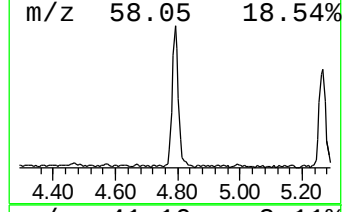
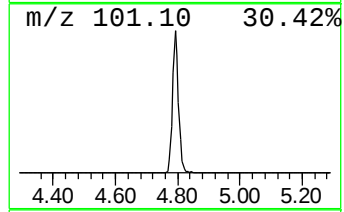
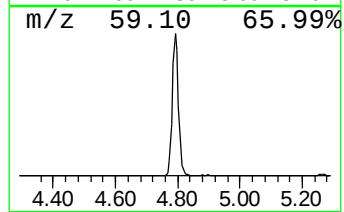
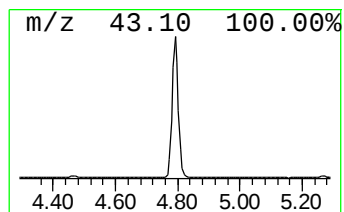
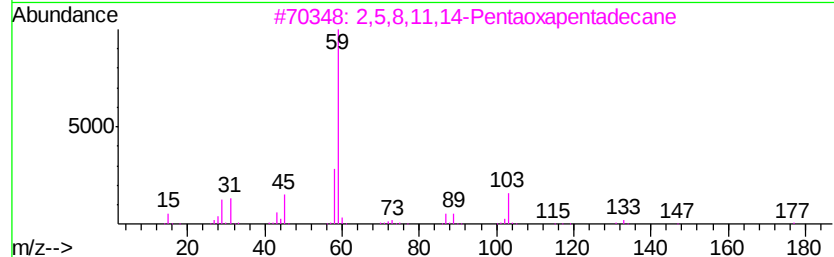
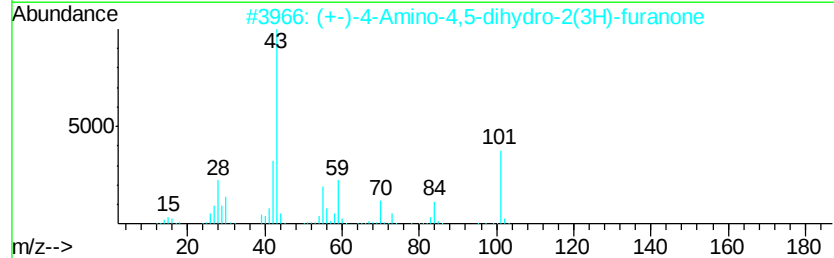
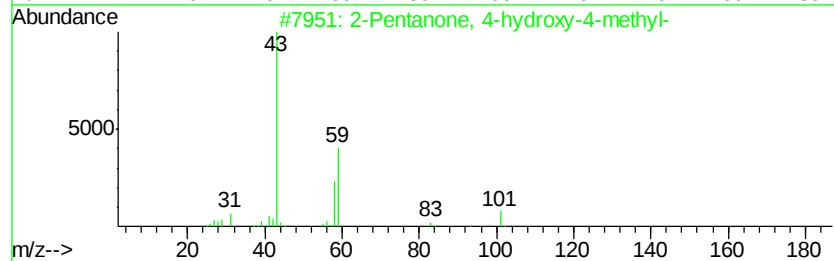
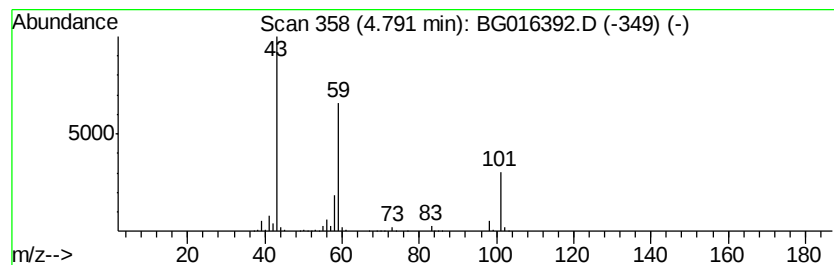
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.79 | 12.31 ng | 339325 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2  | 016504-58-8 | 43   |
| 3    |    | 2,5,8,11,14-Pentaoxapentadecane    | 222 | C10H22O5 | 000143-24-8 | 25   |
| 4    |    | 2,5,8,11,14,17-Hexaoxaoctadecane   | 266 | C12H26O6 | 001191-87-3 | 23   |
| 5    |    | 4-Hydroxy-3-hexanone               | 116 | C6H12O2  | 004984-85-4 | 23   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

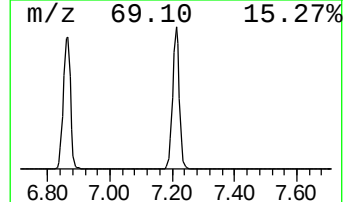
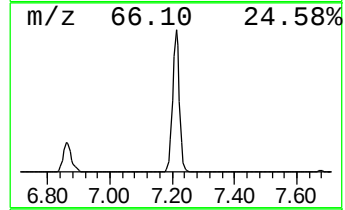
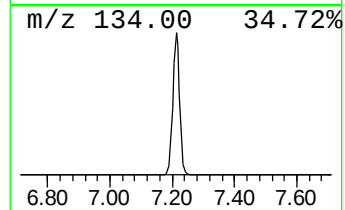
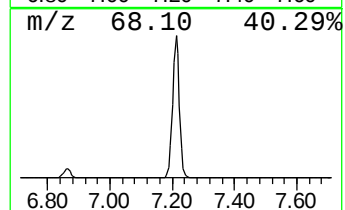
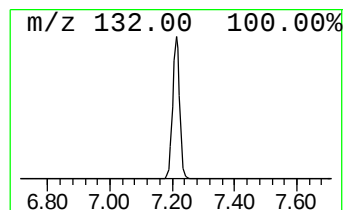
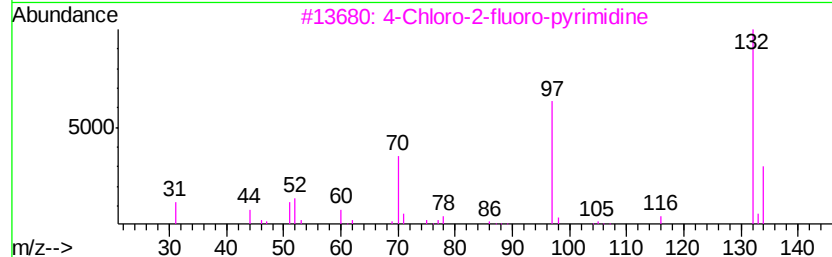
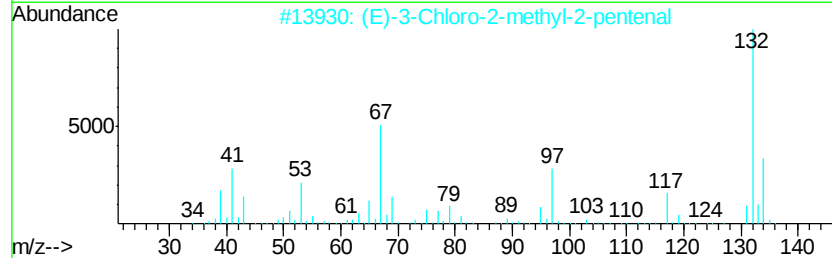
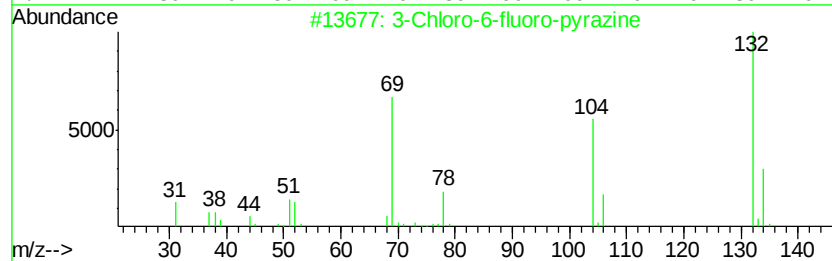
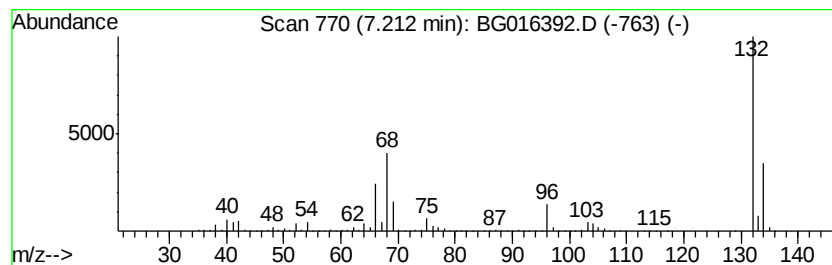
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.21 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.21 | 111.23 ng | 3065460 | 1,4-Dichlorobenzene-d4 | 7.68 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

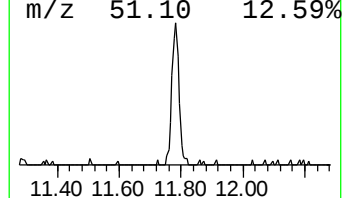
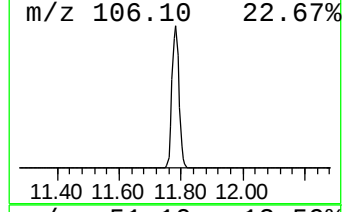
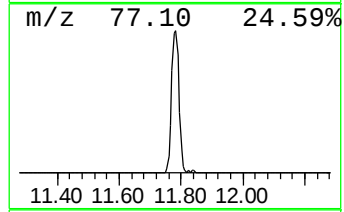
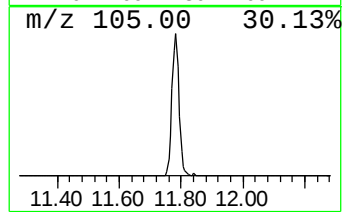
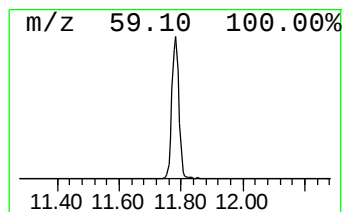
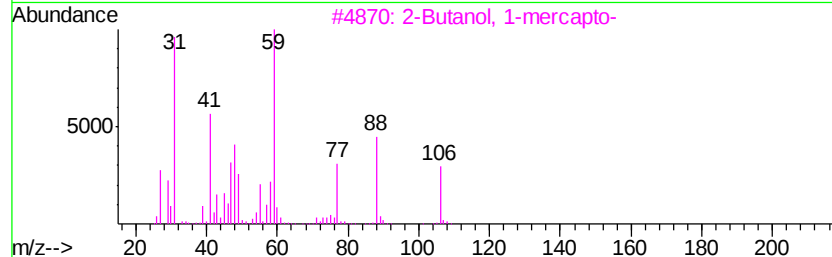
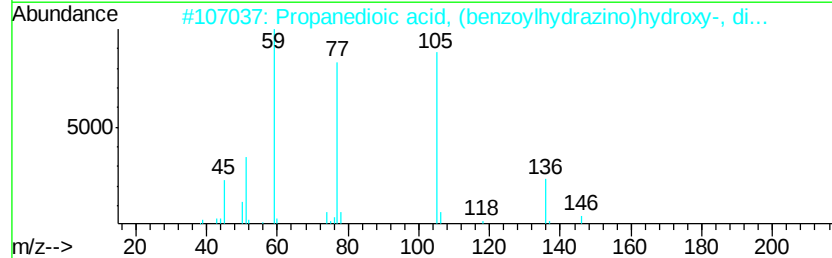
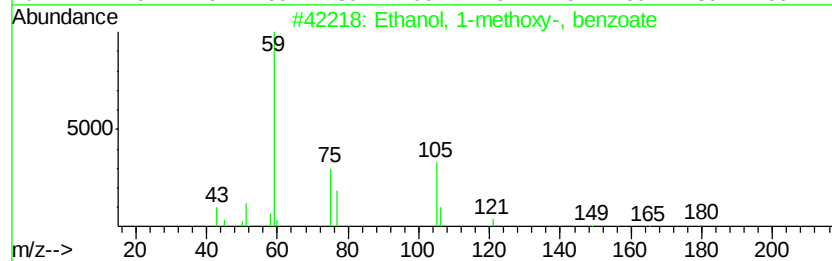
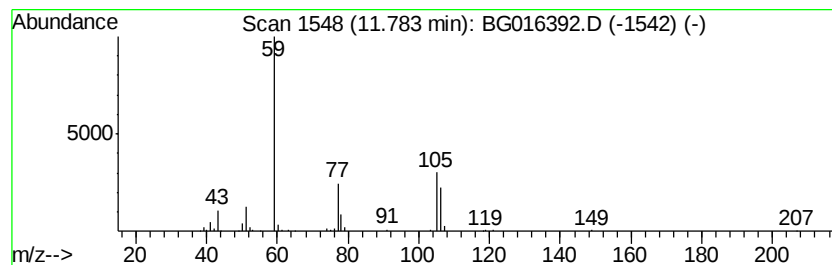
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Ethanol, 1-methoxy-, benzoate Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.78 | 3.65 ng | 152081 | Naphthalene-d8   | 10.46 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | Ethanol, 1-methoxy-, benzoate       | 180 | C10H12O3   | 051835-44-0  | 50   |
| 2       |   | Propanedioic acid, (benzoylhydra... | 282 | C12H14N2O6 | 1000142-99-9 | 17   |
| 3       |   | 2-Butanol, 1-mercapto-              | 106 | C4H10OS    | 025807-94-7  | 9    |
| 4       |   | Acetic acid, chloro-, methyl ester  | 108 | C3H5ClO2   | 000096-34-4  | 9    |
| 5       |   | Ethanone, 2-amino-1-phenyl-         | 135 | C8H9NO     | 000613-89-8  | 9    |



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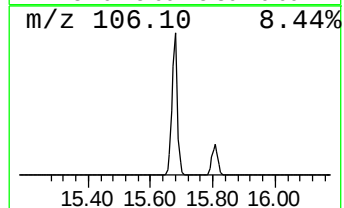
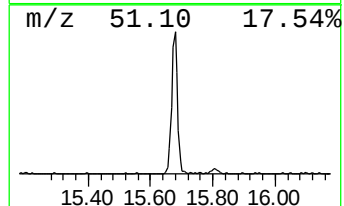
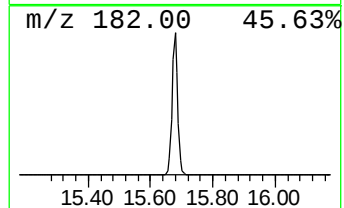
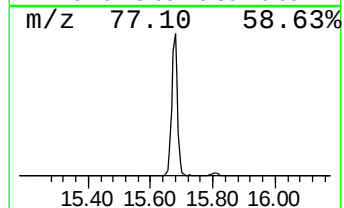
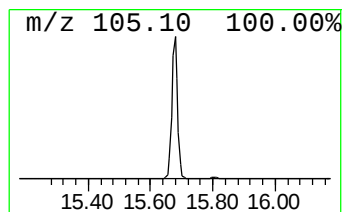
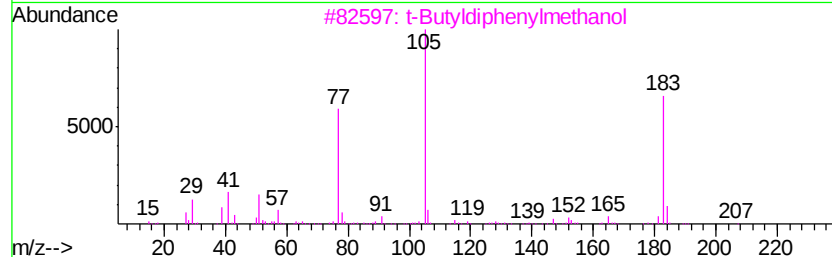
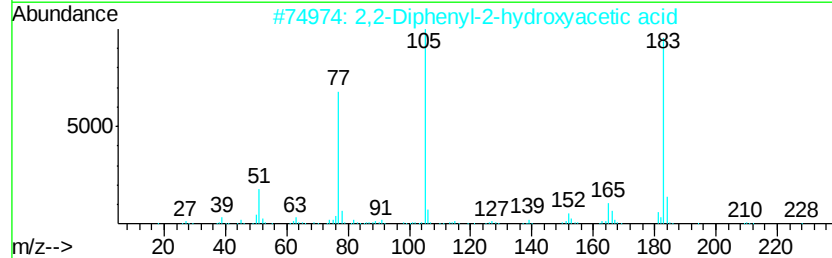
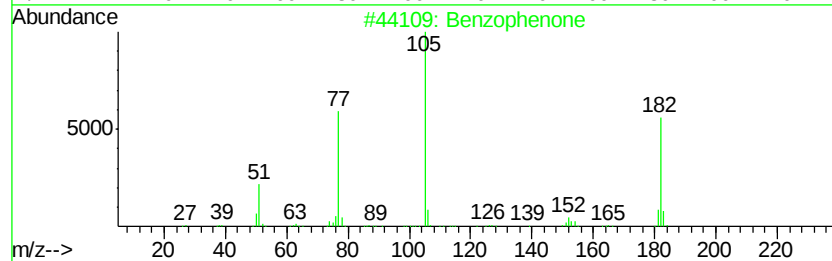
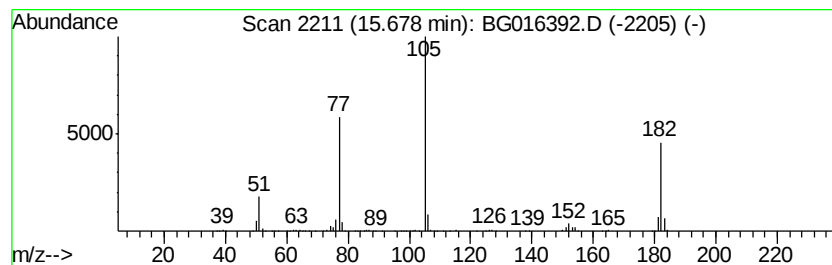
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzophenone Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.68 | 10.51 ng | 566358 | Acenaphthene-d10 | 14.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    | 2,2-Diphenyl-2-hydroxyacetic acid   | 228 | C14H12O3 | 000076-93-7 | 50   |
| 3    |    | t-Butyldiphenylmethanol             | 240 | C17H20O  | 001657-60-9 | 47   |
| 4    |    | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3   | 015206-55-0 | 43   |
| 5    |    | Benzene, 4-methyl-1,2-dinitro-      | 182 | C7H6N2O4 | 000610-39-9 | 43   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041315\  
Data File : BG016392.D  
Acq On : 14 Apr 2015 11:14  
Operator : TP/IZ  
Sample : G1791-01  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
LS-SD08B

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.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 |
| Butane, 2-methoxy... | 2.85  | 7.7     | ng    | 212461   | 1                     | 7.68  | 551211  | 20.0 |
| 2-Pentanone, 4-hy... | 4.79  | 12.3    | ng    | 339325   | 1                     | 7.68  | 551211  | 20.0 |
| unknown7.21          | 7.21  | 111.2   | ng    | 3065460  | 1                     | 7.68  | 551211  | 20.0 |
| Ethanol, 1-methox... | 11.78 | 3.6     | ng    | 152081   | 2                     | 10.46 | 832852  | 20.0 |
| Benzophenone         | 15.68 | 10.5    | ng    | 566358   | 3                     | 14.32 | 1077530 | 20.0 |