

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091215\  
 Data File : BG018651.D  
 Acq On : 11 Sep 2015 22:37  
 Operator : UM/IZ  
 Sample : G3558-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-3WS

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-BG091115.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         | 2.964       | 16            | 21          | 39           | rVV      | 3695032        | 4983122       | 100.00%         | 18.620%       |
| 2         | 3.105       | 39            | 45          | 52           | rVV2     | 41009          | 77542         | 1.56%           | 0.290%        |
| 3         | 3.181       | 53            | 58          | 71           | rVB      | 1243334        | 1658951       | 33.29%          | 6.199%        |
| 4         | 5.102       | 380           | 385         | 393          | rBV      | 389060         | 575196        | 11.54%          | 2.149%        |
| 5         | 5.578       | 460           | 466         | 475          | rBV      | 568552         | 873706        | 17.53%          | 3.265%        |
| 6         | 7.165       | 729           | 736         | 745          | rBV      | 581943         | 945386        | 18.97%          | 3.532%        |
| 7         | 7.535       | 792           | 799         | 808          | rVB      | 569356         | 946607        | 19.00%          | 3.537%        |
| 8         | 8.005       | 872           | 879         | 888          | rBV      | 238377         | 392411        | 7.87%           | 1.466%        |
| 9         | 8.328       | 926           | 934         | 941          | rBV      | 504703         | 837852        | 16.81%          | 3.131%        |
| 10        | 9.162       | 1067          | 1076        | 1083         | rBV      | 367110         | 649442        | 13.03%          | 2.427%        |
| 11        | 10.807      | 1348          | 1356        | 1366         | rBV      | 322170         | 561902        | 11.28%          | 2.100%        |
| 12        | 13.252      | 1765          | 1772        | 1779         | rBV      | 1139161        | 1738166       | 34.88%          | 6.495%        |
| 13        | 13.522      | 1811          | 1818        | 1826         | rBV3     | 31765          | 55352         | 1.11%           | 0.207%        |
| 14        | 14.074      | 1906          | 1912        | 1918         | rBV      | 44686          | 65767         | 1.32%           | 0.246%        |
| 15        | 14.632      | 1999          | 2007        | 2015         | rBV2     | 541403         | 882641        | 17.71%          | 3.298%        |
| 16        | 16.113      | 2253          | 2259        | 2273         | rBV      | 877522         | 1287431       | 25.84%          | 4.811%        |
| 17        | 17.370      | 2467          | 2473        | 2480         | rBV2     | 911295         | 1357112       | 27.23%          | 5.071%        |
| 18        | 17.746      | 2531          | 2537        | 2548         | rBV3     | 52015          | 116840        | 2.34%           | 0.437%        |
| 19        | 18.258      | 2619          | 2624        | 2629         | rBV3     | 44104          | 80266         | 1.61%           | 0.300%        |
| 20        | 19.110      | 2764          | 2769        | 2779         | rBV      | 429063         | 666197        | 13.37%          | 2.489%        |
| 21        | 19.674      | 2861          | 2865        | 2869         | rVB2     | 46651          | 59214         | 1.19%           | 0.221%        |
| 22        | 19.979      | 2911          | 2917        | 2923         | rBV      | 2967374        | 4044229       | 81.16%          | 15.112%       |
| 23        | 20.614      | 3019          | 3025        | 3030         | rBV2     | 80371          | 108185        | 2.17%           | 0.404%        |
| 24        | 20.714      | 3038          | 3042        | 3049         | rBV5     | 55312          | 95011         | 1.91%           | 0.355%        |
| 25        | 21.283      | 3134          | 3139        | 3152         | rBV9     | 39016          | 98730         | 1.98%           | 0.369%        |
| 26        | 21.518      | 3175          | 3179        | 3184         | rBV      | 42600          | 63173         | 1.27%           | 0.236%        |
| 27        | 21.630      | 3191          | 3198        | 3209         | rBV      | 1059235        | 1751351       | 35.15%          | 6.544%        |
| 28        | 23.299      | 3477          | 3482        | 3488         | rBV3     | 33772          | 64099         | 1.29%           | 0.240%        |
| 29        | 24.820      | 3730          | 3741        | 3754         | rVB3     | 607300         | 1726640       | 34.65%          | 6.452%        |

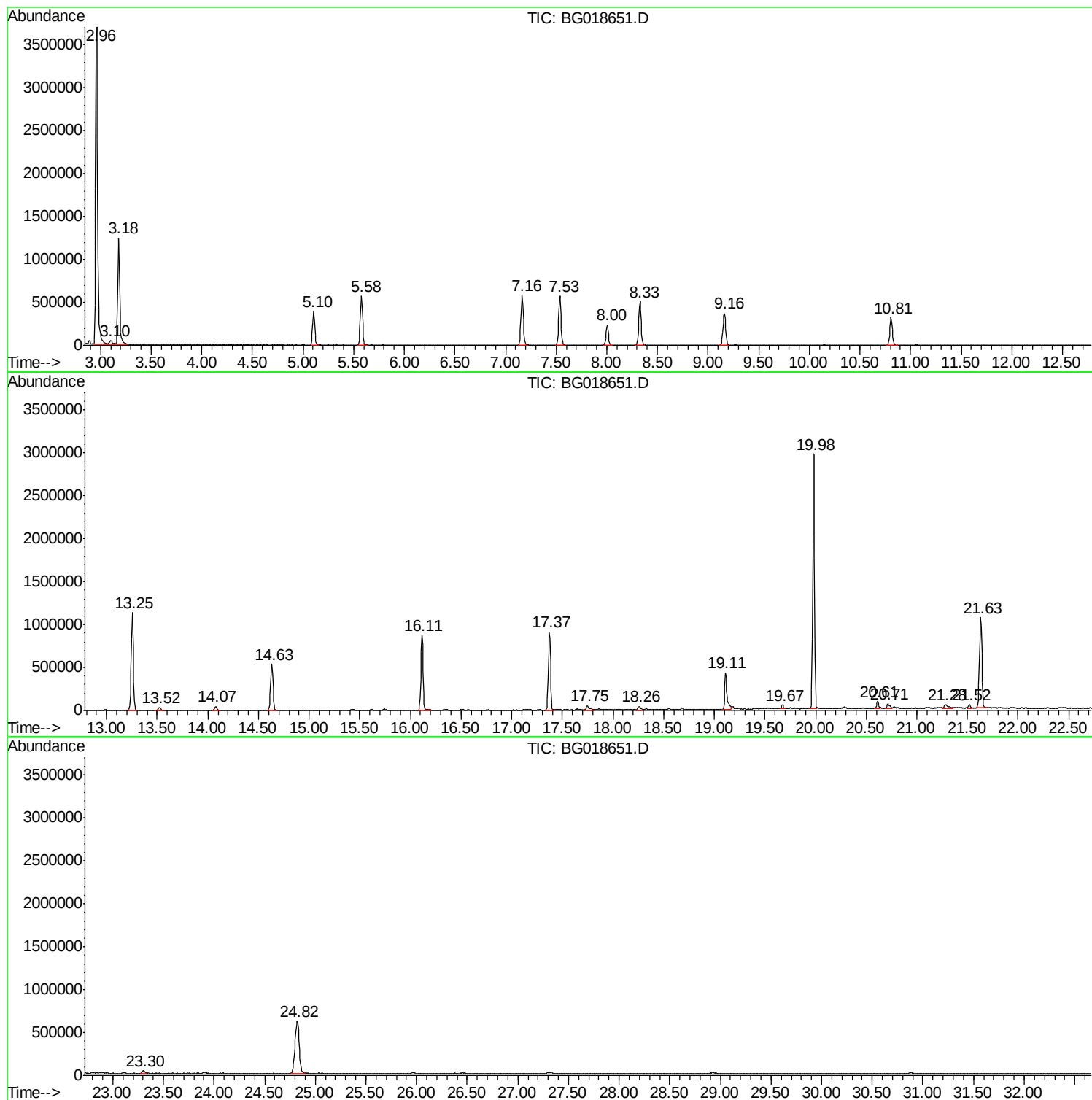
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Instrument :  
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ClientSampleId :  
SB-3WS

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.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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Operator : UM/IZ  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :  
SB-3WS

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

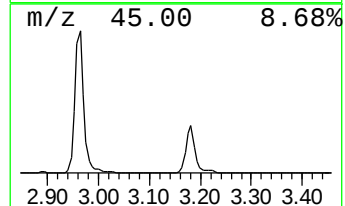
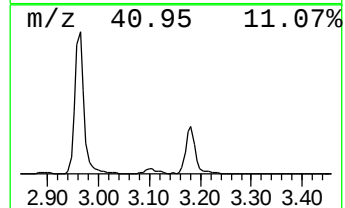
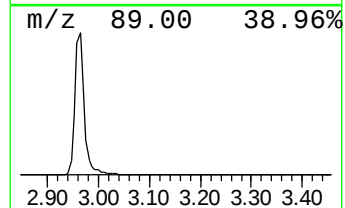
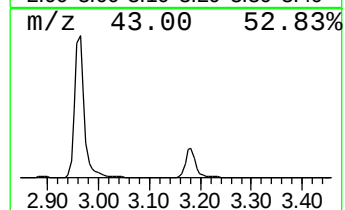
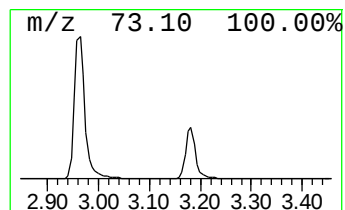
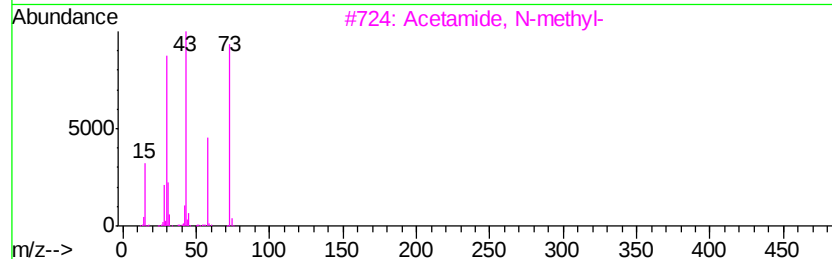
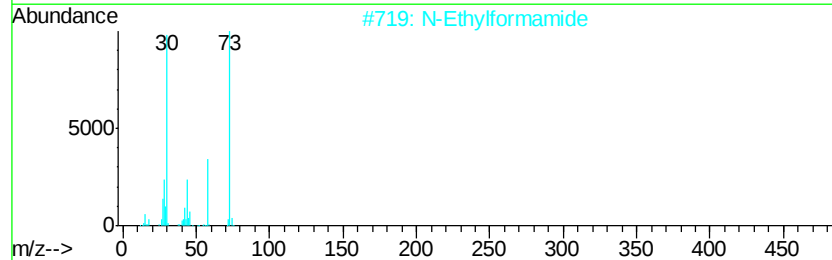
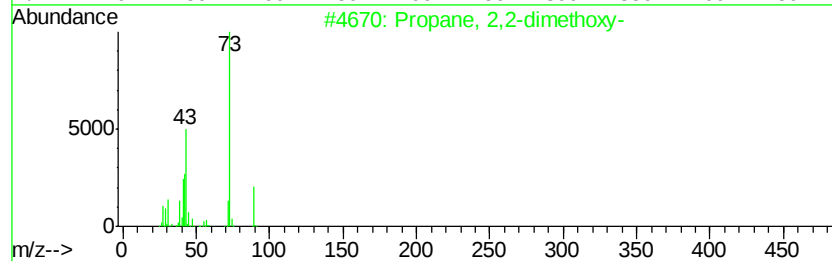
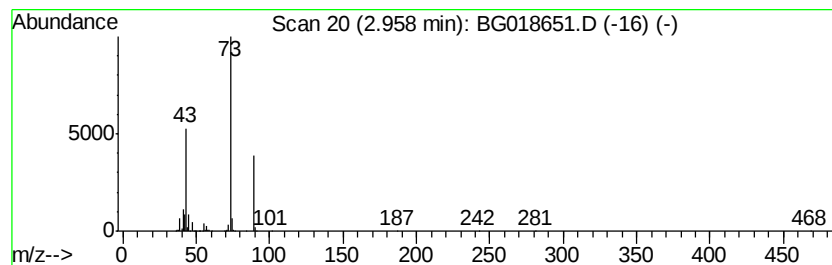
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown2.96 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 2.96 | 253.98 ng | 4983120 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-      | 104 | C5H12O2 | 000077-76-9 | 40   |
| 2    |    | N-Ethylformamide             | 73  | C3H7NO  | 000627-45-2 | 9    |
| 3    |    | Acetamide, N-methyl-         | 73  | C3H7NO  | 000079-16-3 | 9    |
| 4    |    | 1-Propanol, 2-methyl-        | 74  | C4H10O  | 000078-83-1 | 9    |
| 5    |    | Propane, 2-methoxy-2-methyl- | 88  | C5H12O  | 001634-04-4 | 9    |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

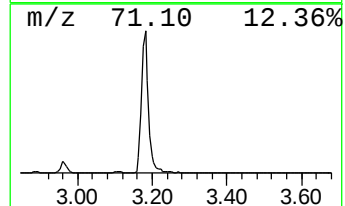
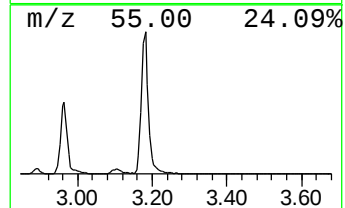
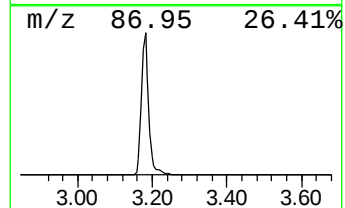
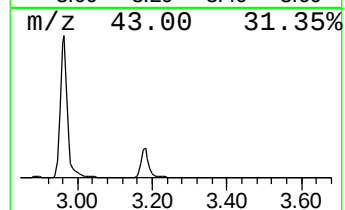
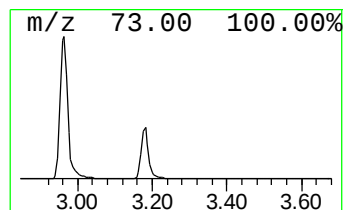
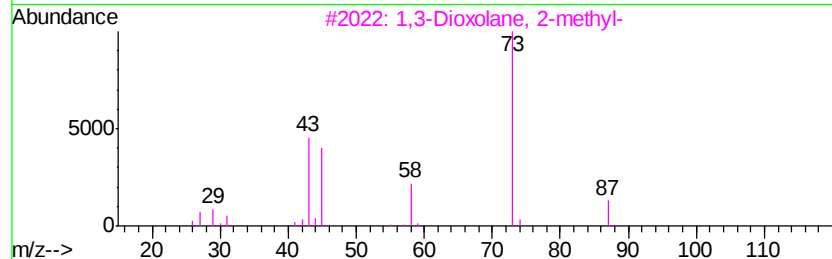
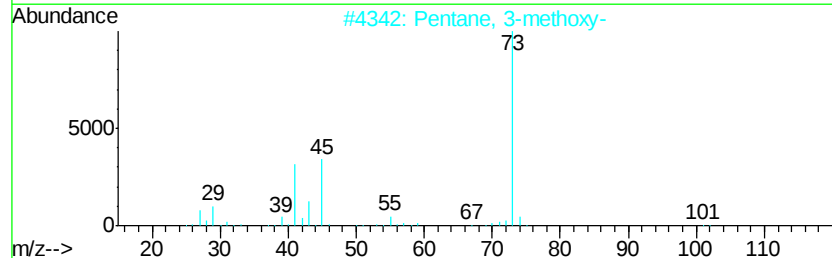
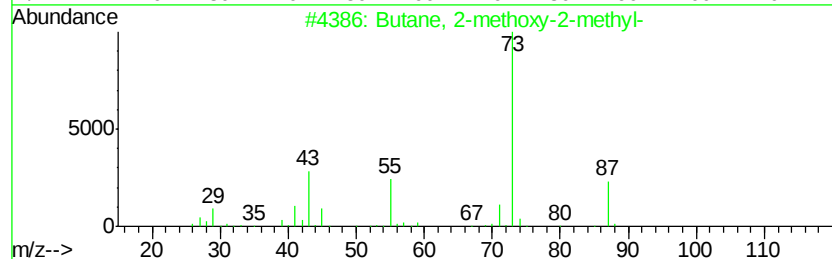
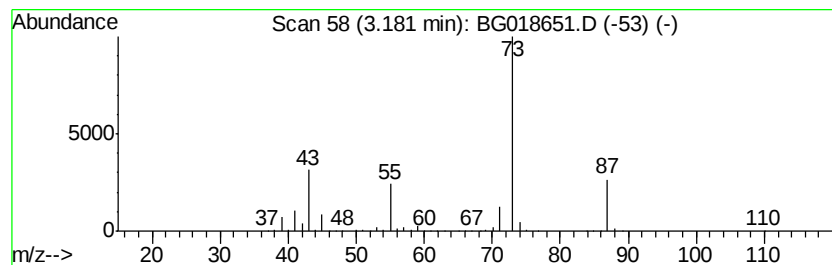
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 3.18 | 84.55 ng | 1658950 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 86   |
| 2       |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 3       |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 4       |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5       |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-3WS

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

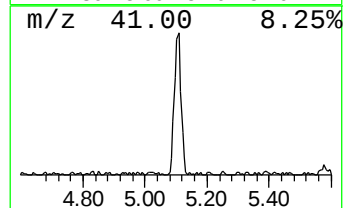
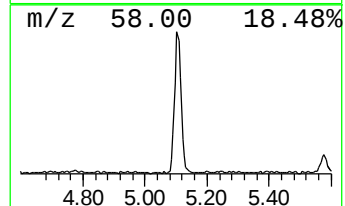
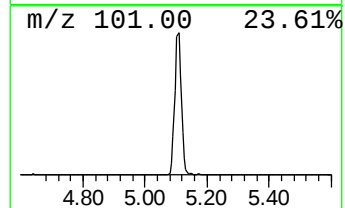
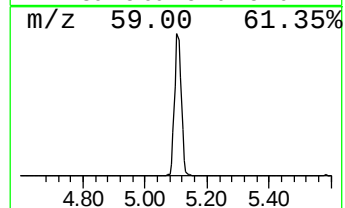
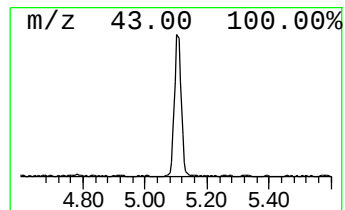
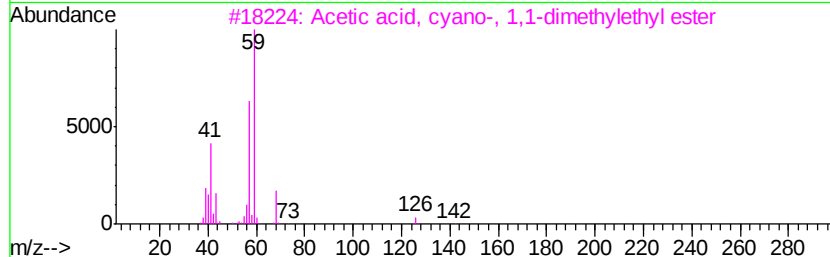
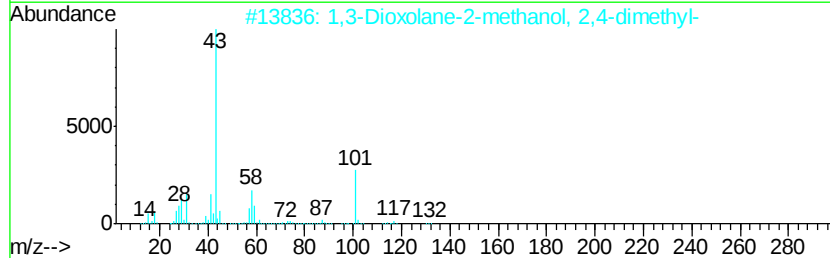
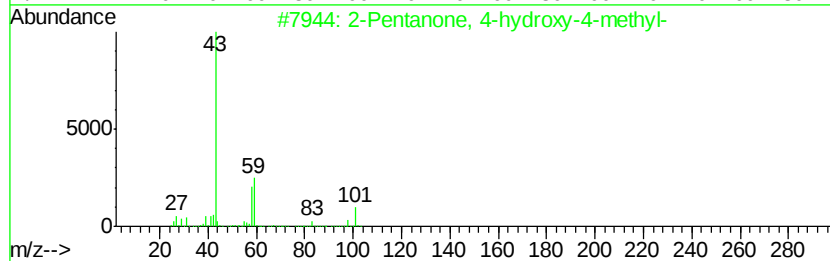
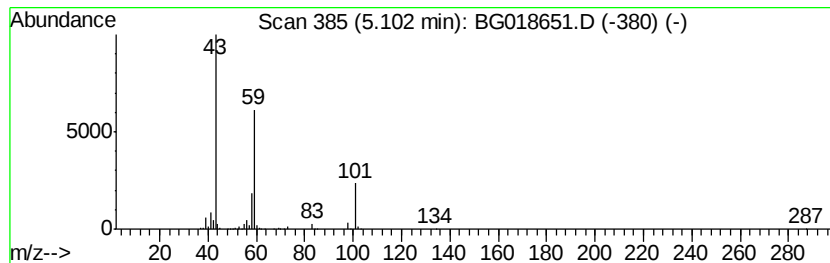
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.10 | 29.32 ng | 575196 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3  | 053951-43-2 | 28   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | Formamide, N,N-diethyl-             | 101 | C5H11NO  | 000617-84-5 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

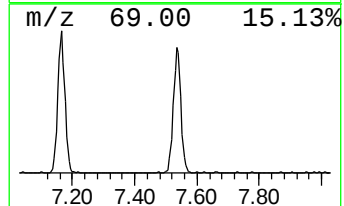
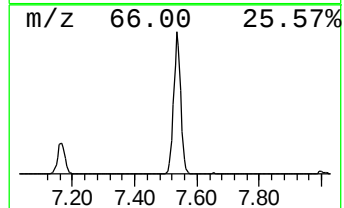
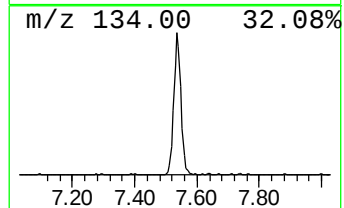
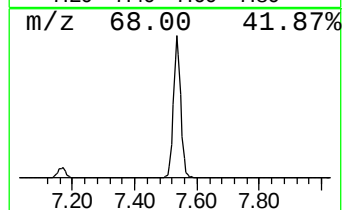
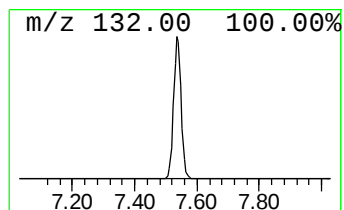
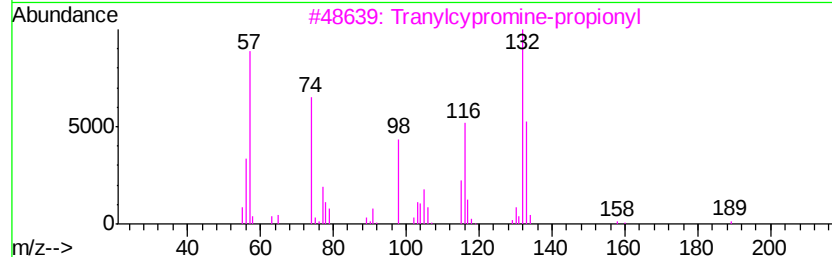
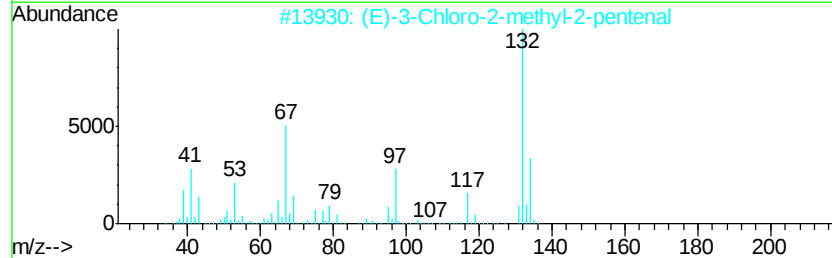
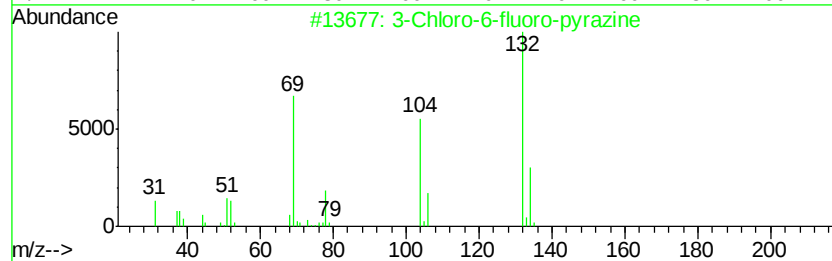
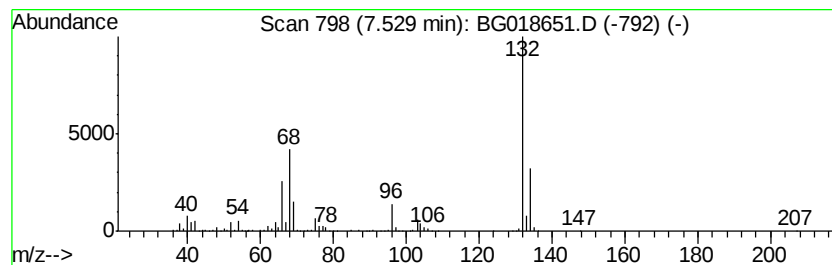
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown7.53 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.53 | 48.25 ng | 946607 | 1,4-Dichlorobenzene-d4 | 8.00 |

| 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  | 27   |
| 3    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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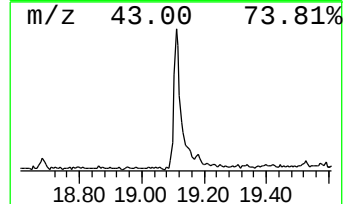
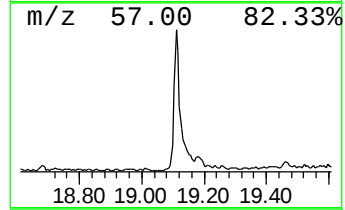
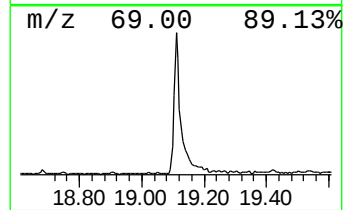
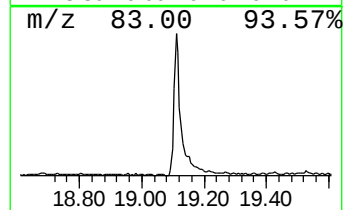
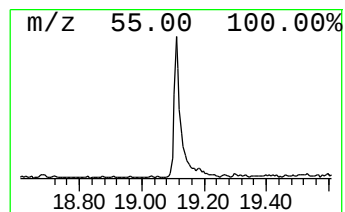
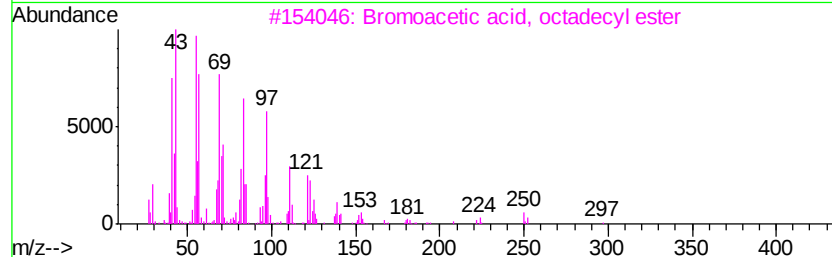
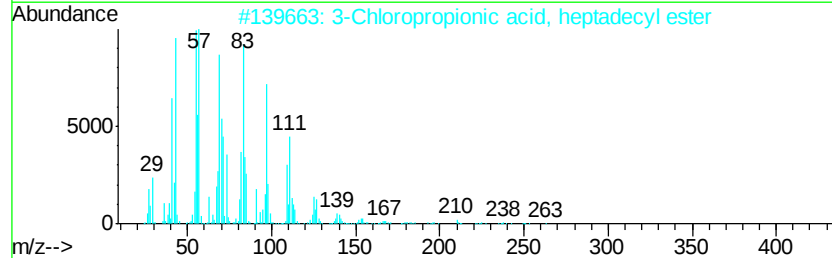
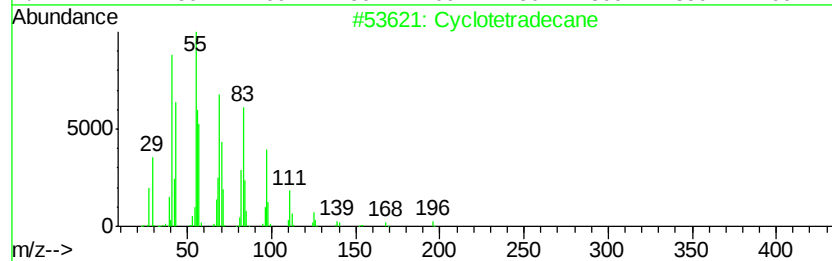
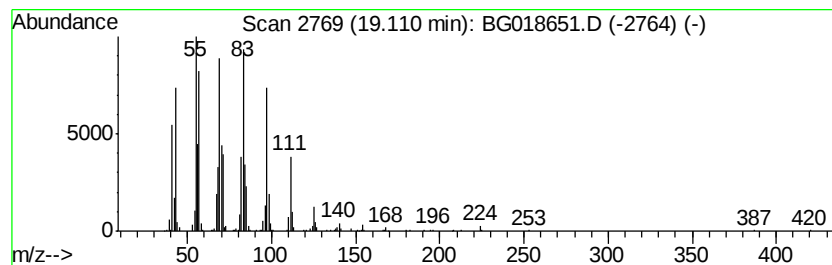
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Cyclotetradecane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.11 | 9.82 ng | 666197 | Phenanthrene-d10 | 17.37 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | Cyclotetradecane                    | 196 | C14H28     | 000295-17-0  | 95   |
| 2       |   | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 94   |
| 3       |   | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5  | 91   |
| 4       |   | Bromoacetic acid, pentadecyl ester  | 348 | C17H33BrO2 | 131143-01-6  | 91   |
| 5       |   | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5  | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091215\  
Data File : BG018651.D  
Acq On : 11 Sep 2015 22:37  
Operator : UM/IZ  
Sample : G3558-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-3WS

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.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 |
| unknown2.96          | 2.96  | 254.0   | ng    | 4983120  | 1                     | 8.00  | 392411  | 20.0 |
| Butane, 2-methoxy... | 3.18  | 84.5    | ng    | 1658950  | 1                     | 8.00  | 392411  | 20.0 |
| 2-Pentanone, 4-hy... | 5.10  | 29.3    | ng    | 575196   | 1                     | 8.00  | 392411  | 20.0 |
| unknown7.53          | 7.53  | 48.3    | ng    | 946607   | 1                     | 8.00  | 392411  | 20.0 |
| Cyclotetradecane     | 19.11 | 9.8     | ng    | 666197   | 4                     | 17.37 | 1357110 | 20.0 |