

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091915\  
 Data File : BG018767.D  
 Acq On : 18 Sep 2015 14:01  
 Operator : TP  
 Sample : G3706-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-5

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-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         | 3.104       | 39            | 45          | 52           | rBV      | 72781          | 125317        | 3.46%           | 0.627%        |
| 2         | 3.175       | 52            | 57          | 75           | rVB      | 1491677        | 2095257       | 57.79%          | 10.479%       |
| 3         | 5.102       | 380           | 385         | 394          | rVB      | 103164         | 155026        | 4.28%           | 0.775%        |
| 4         | 5.578       | 458           | 466         | 474          | rBV      | 368536         | 579210        | 15.98%          | 2.897%        |
| 5         | 7.164       | 728           | 736         | 746          | rBV      | 240770         | 407381        | 11.24%          | 2.037%        |
| 6         | 7.535       | 790           | 799         | 809          | rBV      | 725788         | 1240323       | 34.21%          | 6.203%        |
| 7         | 7.999       | 872           | 878         | 886          | rVB      | 153174         | 259005        | 7.14%           | 1.295%        |
| 8         | 8.328       | 926           | 934         | 941          | rBV      | 670750         | 1154988       | 31.86%          | 5.776%        |
| 9         | 9.162       | 1068          | 1076        | 1085         | rBV      | 558225         | 975570        | 26.91%          | 4.879%        |
| 10        | 10.807      | 1348          | 1356        | 1363         | rBV      | 230954         | 410809        | 11.33%          | 2.055%        |
| 11        | 13.251      | 1764          | 1772        | 1781         | rBV      | 1835233        | 2780711       | 76.70%          | 13.907%       |
| 12        | 14.074      | 1906          | 1912        | 1918         | rBV      | 99532          | 142655        | 3.93%           | 0.713%        |
| 13        | 14.626      | 1997          | 2006        | 2014         | rVB2     | 418687         | 680137        | 18.76%          | 3.402%        |
| 14        | 16.119      | 2251          | 2260        | 2272         | rBV      | 1397112        | 2200256       | 60.69%          | 11.004%       |
| 15        | 17.370      | 2467          | 2473        | 2480         | rBV2     | 576943         | 871172        | 24.03%          | 4.357%        |
| 16        | 18.257      | 2619          | 2624        | 2630         | rBV      | 115256         | 174062        | 4.80%           | 0.871%        |
| 17        | 19.526      | 2836          | 2840        | 2846         | rBV2     | 51765          | 85089         | 2.35%           | 0.426%        |
| 18        | 19.979      | 2911          | 2917        | 2924         | rBV      | 2633711        | 3625614       | 100.00%         | 18.133%       |
| 19        | 21.271      | 3134          | 3137        | 3149         | rVB6     | 52681          | 108240        | 2.99%           | 0.541%        |
| 20        | 21.636      | 3192          | 3199        | 3208         | rBV      | 573457         | 984562        | 27.16%          | 4.924%        |
| 21        | 24.826      | 3733          | 3742        | 3754         | rVB2     | 328309         | 939478        | 25.91%          | 4.699%        |

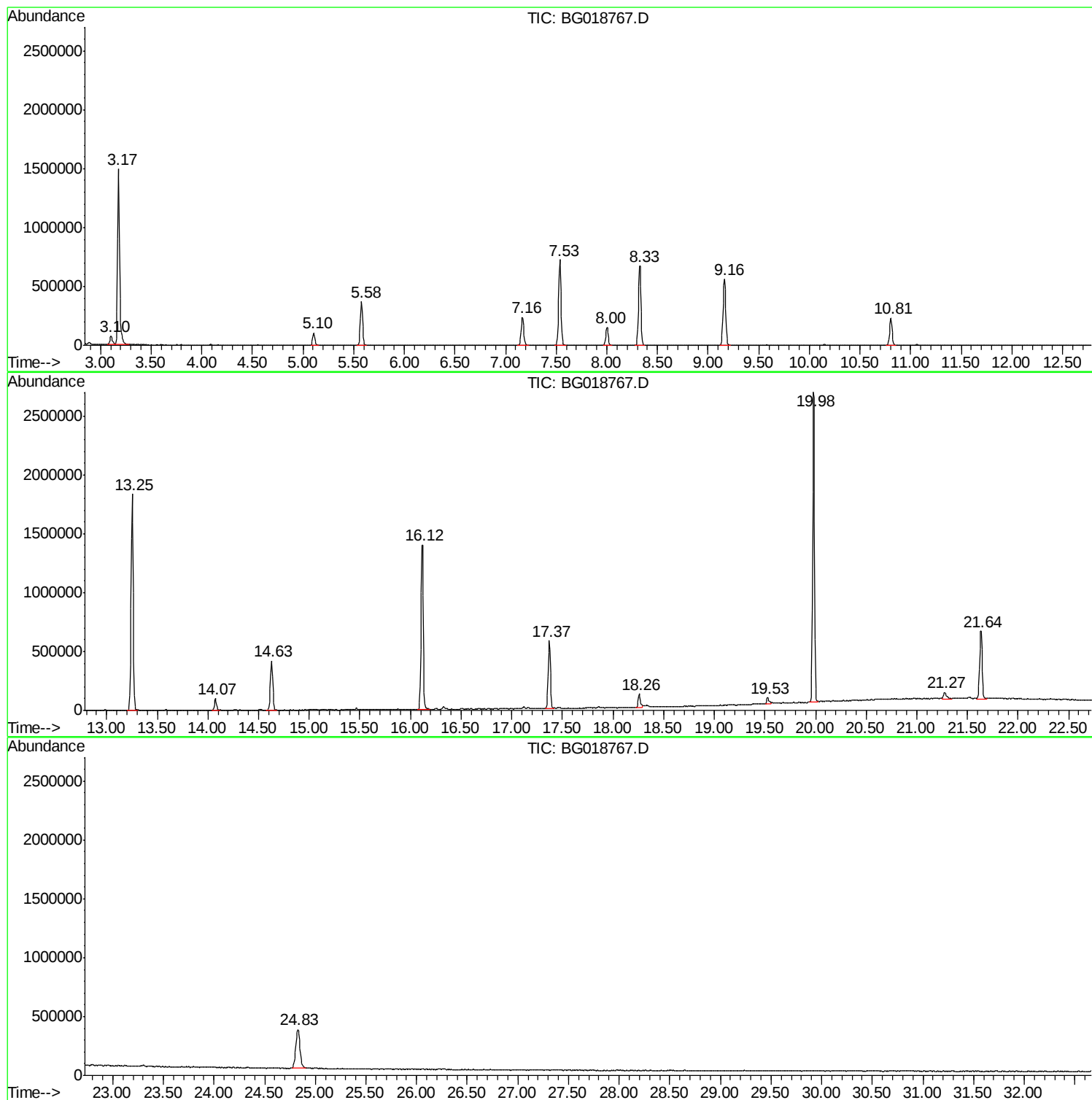
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Operator : TP  
Sample : G3706-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

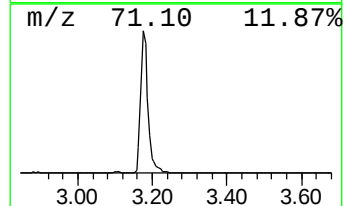
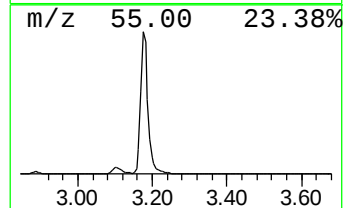
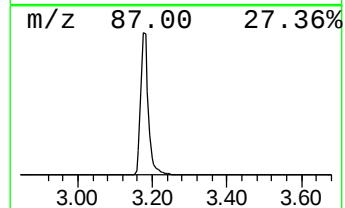
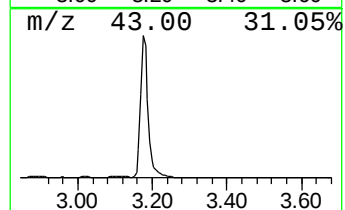
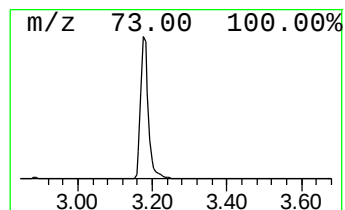
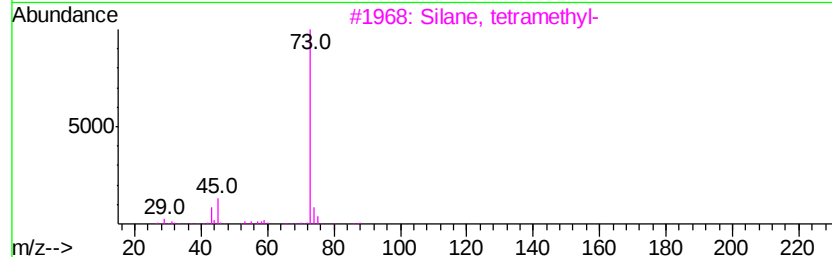
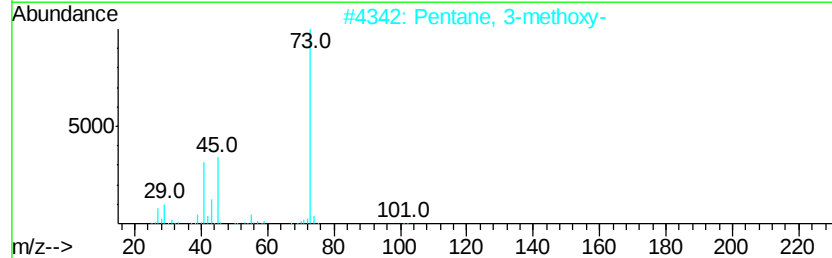
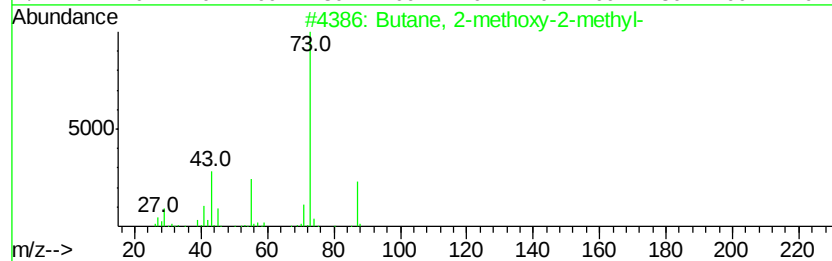
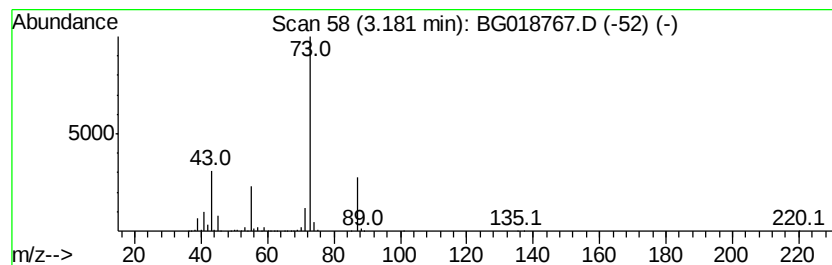
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.18 | 161.79 ng | 2095260 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 86   |
| 2    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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MW-5

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

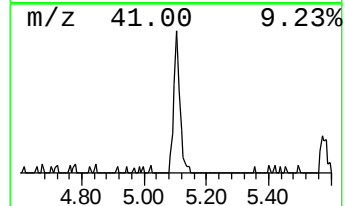
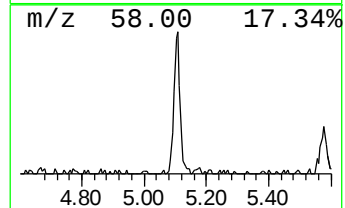
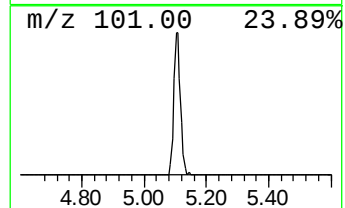
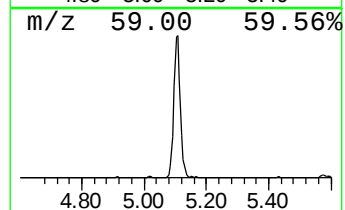
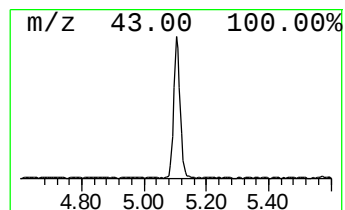
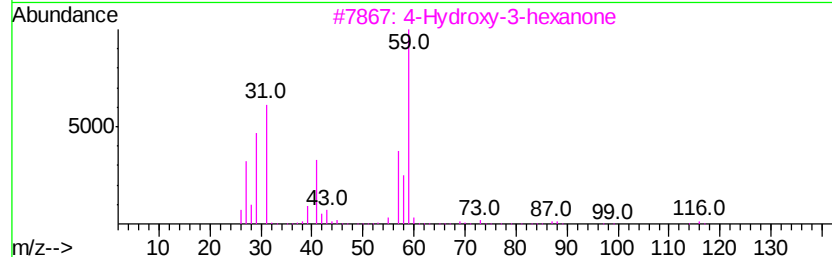
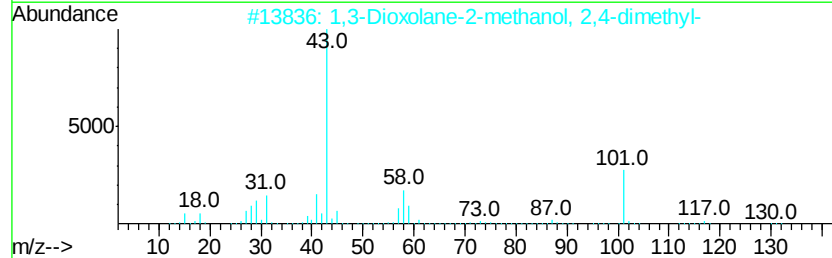
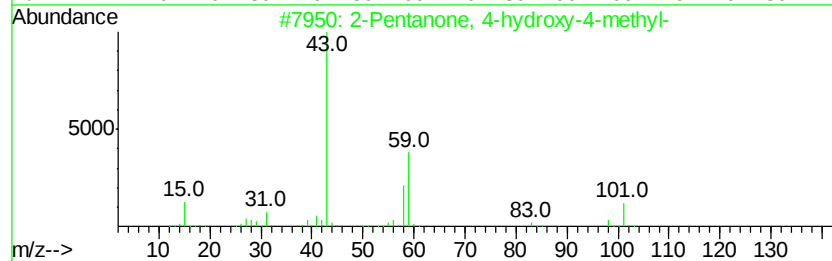
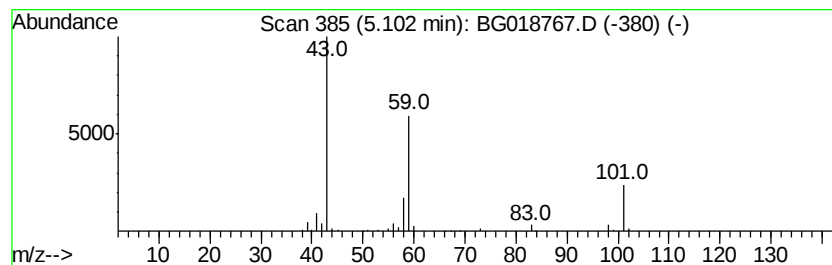
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.10 | 11.97 ng | 155026 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# of | 5                                   | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2 | 000123-42-2 | 56   |      |
| 2       | 1,3-Dioxolane-2-methanol, 2,4-di... | 132          | C6H12O3 | 053951-43-2 | 28   |      |
| 3       | 4-Hydroxy-3-hexanone                | 116          | C6H12O2 | 004984-85-4 | 25   |      |
| 4       | Butane, 1-ethoxy-                   | 102          | C6H14O  | 000628-81-9 | 9    |      |
| 5       | 5-Hexen-2-one                       | 98           | C6H10O  | 000109-49-9 | 9    |      |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

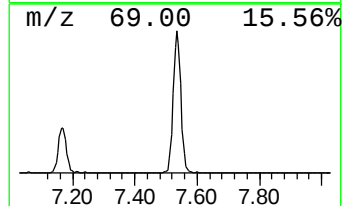
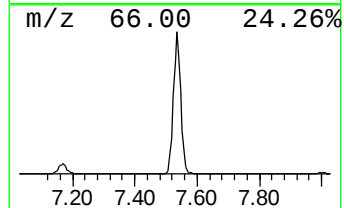
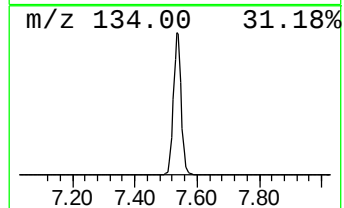
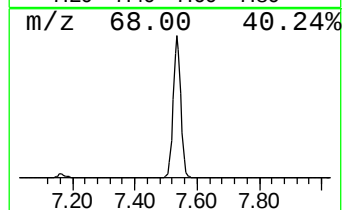
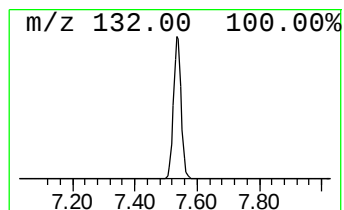
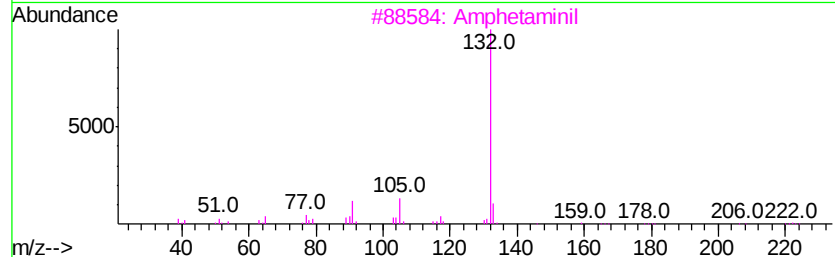
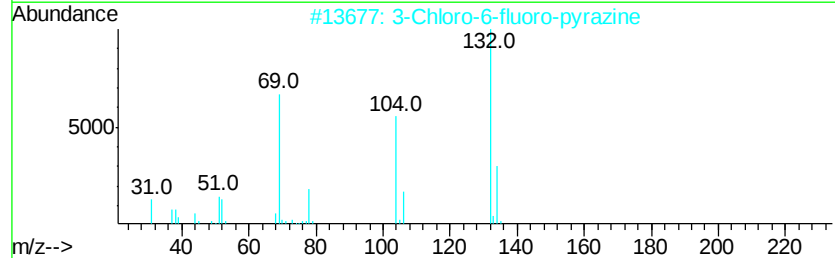
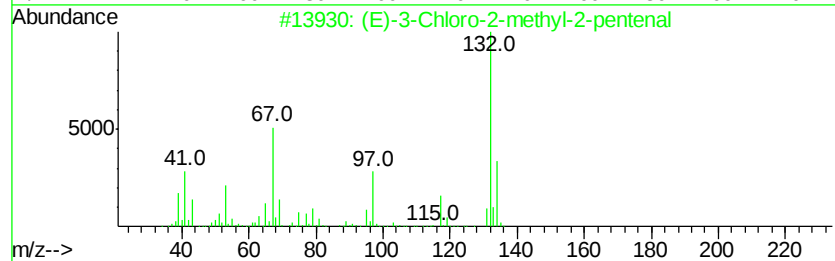
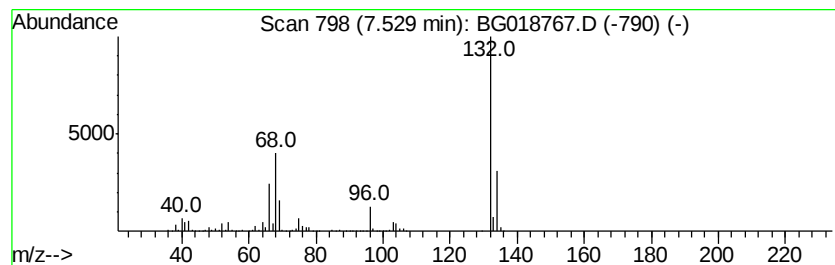
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown7.53 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.53 | 95.78 ng | 1240320 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 10   |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

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

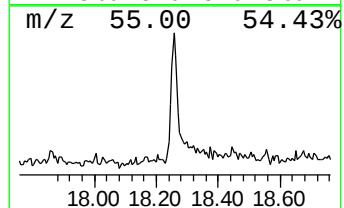
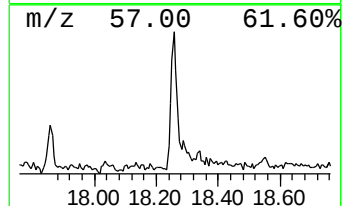
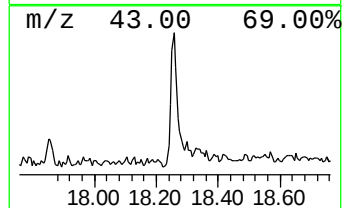
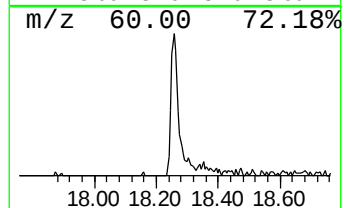
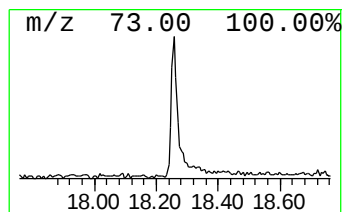
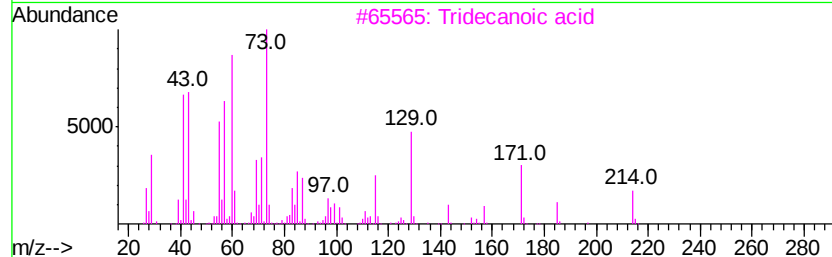
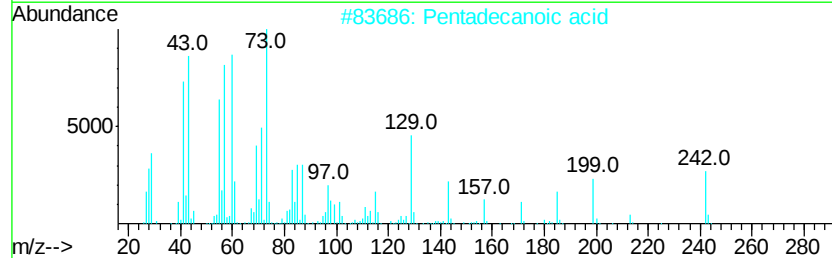
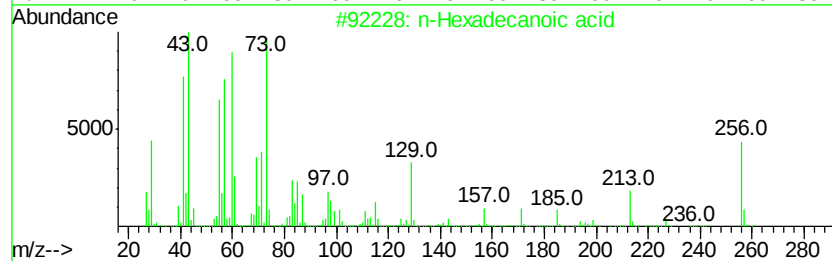
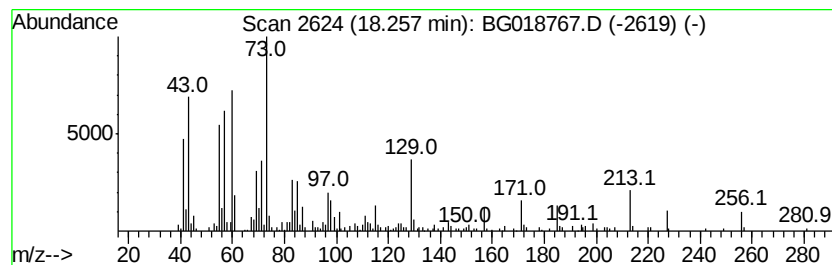
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.26 | 4.00 ng | 174062 | Phenanthrene-d10 | 17.37 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 58   |
| 4    |    | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 43   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 43   |



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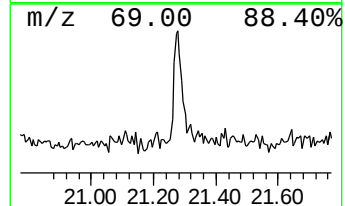
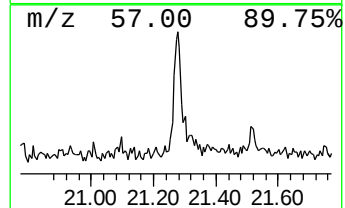
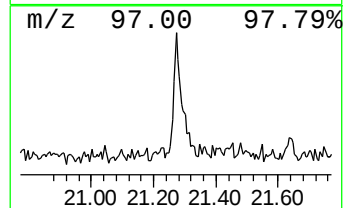
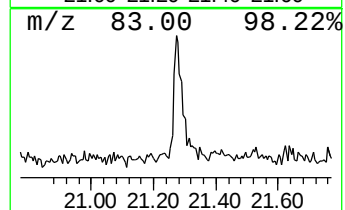
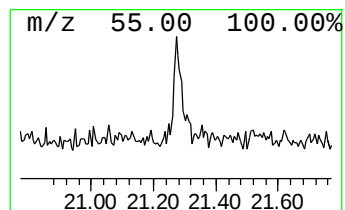
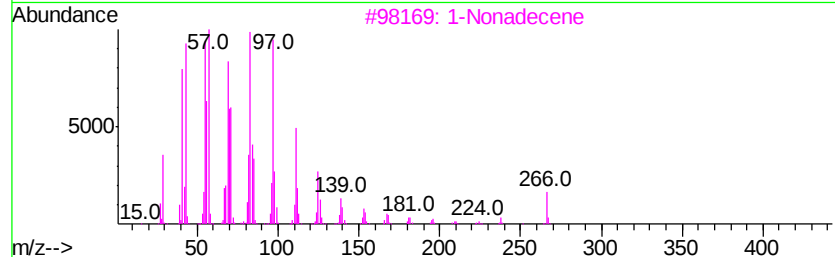
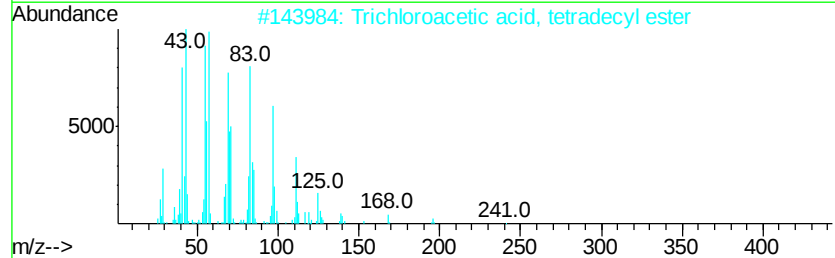
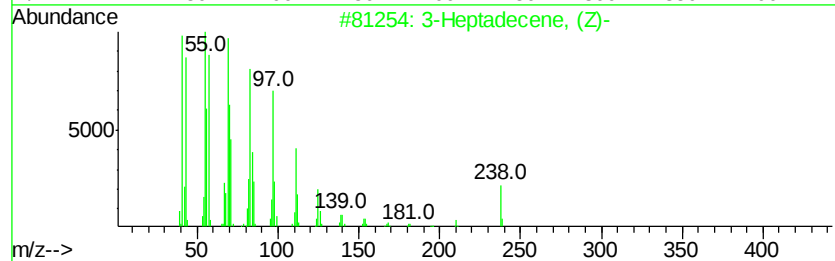
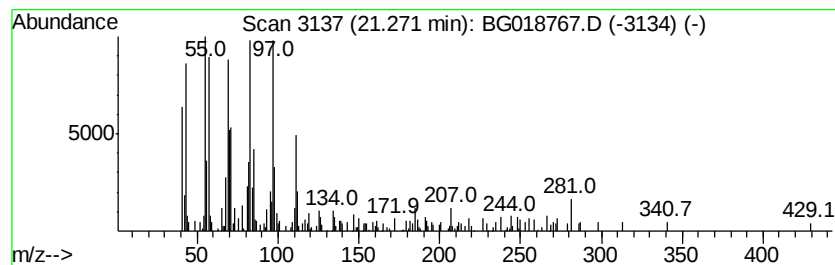
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 3-Heptadecene, (Z)- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.27 | 2.20 ng | 108240 | Chrysene-d12     | 21.64 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 3-Heptadecene, (Z)-                 | 238 | C17H34      | 1000141-67-3 | 91   |
| 2    |    |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9  | 90   |
| 3    |    |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5  | 90   |
| 4    |    |   | 1-Heptadecene                       | 238 | C17H34      | 006765-39-5  | 87   |
| 5    |    |   | 11-Tricosene                        | 322 | C23H46      | 052078-56-5  | 87   |



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Operator : TP  
Sample : G3706-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-5

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 |
| Butane, 2-methoxy... | 3.18  | 161.8   | ng    | 2095260  | 1                     | 8.00  | 259005 | 20.0 |
| 2-Pentanone, 4-hy... | 5.10  | 12.0    | ng    | 155026   | 1                     | 8.00  | 259005 | 20.0 |
| unknown7.53          | 7.53  | 95.8    | ng    | 1240320  | 1                     | 8.00  | 259005 | 20.0 |
| n-Hexadecanoic acid  | 18.26 | 4.0     | ng    | 174062   | 4                     | 17.37 | 871172 | 20.0 |
| 3-Heptadecene, (Z)-  | 21.27 | 2.2     | ng    | 108240   | 5                     | 21.64 | 984562 | 20.0 |