

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018755.D  
 Acq On : 18 Sep 2015 2:09  
 Operator : TP  
 Sample : G3685-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-BPM-02-K1-K2-K3-K4

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         | 2.961       | 16            | 21          | 36           | rVB      | 1221612        | 1525853       | 37.57%          | 7.085%        |
| 2         | 3.102       | 41            | 45          | 53           | rVV3     | 29298          | 50788         | 1.25%           | 0.236%        |
| 3         | 3.178       | 53            | 58          | 75           | rVB      | 515884         | 691721        | 17.03%          | 3.212%        |
| 4         | 5.105       | 379           | 386         | 396          | rBV      | 333569         | 486026        | 11.97%          | 2.257%        |
| 5         | 5.575       | 458           | 466         | 477          | rBV      | 765403         | 1179521       | 29.04%          | 5.477%        |
| 6         | 7.168       | 729           | 737         | 747          | rBV      | 814142         | 1337644       | 32.94%          | 6.211%        |
| 7         | 7.538       | 791           | 800         | 807          | rBV      | 780409         | 1330370       | 32.76%          | 6.177%        |
| 8         | 8.002       | 872           | 879         | 886          | rVB      | 138827         | 227885        | 5.61%           | 1.058%        |
| 9         | 8.325       | 926           | 934         | 942          | rVB      | 594182         | 1001453       | 24.66%          | 4.650%        |
| 10        | 9.159       | 1067          | 1076        | 1085         | rBV      | 471111         | 818132        | 20.15%          | 3.799%        |
| 11        | 10.805      | 1347          | 1356        | 1363         | rBV      | 195654         | 342647        | 8.44%           | 1.591%        |
| 12        | 13.249      | 1764          | 1772        | 1781         | rBV      | 1535614        | 2320475       | 57.14%          | 10.774%       |
| 13        | 14.071      | 1906          | 1912        | 1921         | rBV      | 310959         | 455354        | 11.21%          | 2.114%        |
| 14        | 14.629      | 2000          | 2007        | 2017         | rVB2     | 360945         | 577996        | 14.23%          | 2.684%        |
| 15        | 16.116      | 2251          | 2260        | 2273         | rBV      | 1324390        | 2078571       | 51.18%          | 9.651%        |
| 16        | 17.367      | 2466          | 2473        | 2480         | rBV2     | 537653         | 832755        | 20.51%          | 3.867%        |
| 17        | 18.255      | 2619          | 2624        | 2633         | rBV      | 64525          | 110254        | 2.71%           | 0.512%        |
| 18        | 19.976      | 2911          | 2917        | 2924         | rBV      | 3061967        | 4061196       | 100.00%         | 18.857%       |
| 19        | 21.269      | 3132          | 3137        | 3144         | rBV3     | 54299          | 95027         | 2.34%           | 0.441%        |
| 20        | 21.627      | 3190          | 3198        | 3205         | rBV      | 587136         | 991516        | 24.41%          | 4.604%        |
| 21        | 23.290      | 3476          | 3481        | 3488         | rVB2     | 22392          | 43692         | 1.08%           | 0.203%        |
| 22        | 24.812      | 3728          | 3740        | 3751         | rBV      | 336415         | 978080        | 24.08%          | 4.541%        |

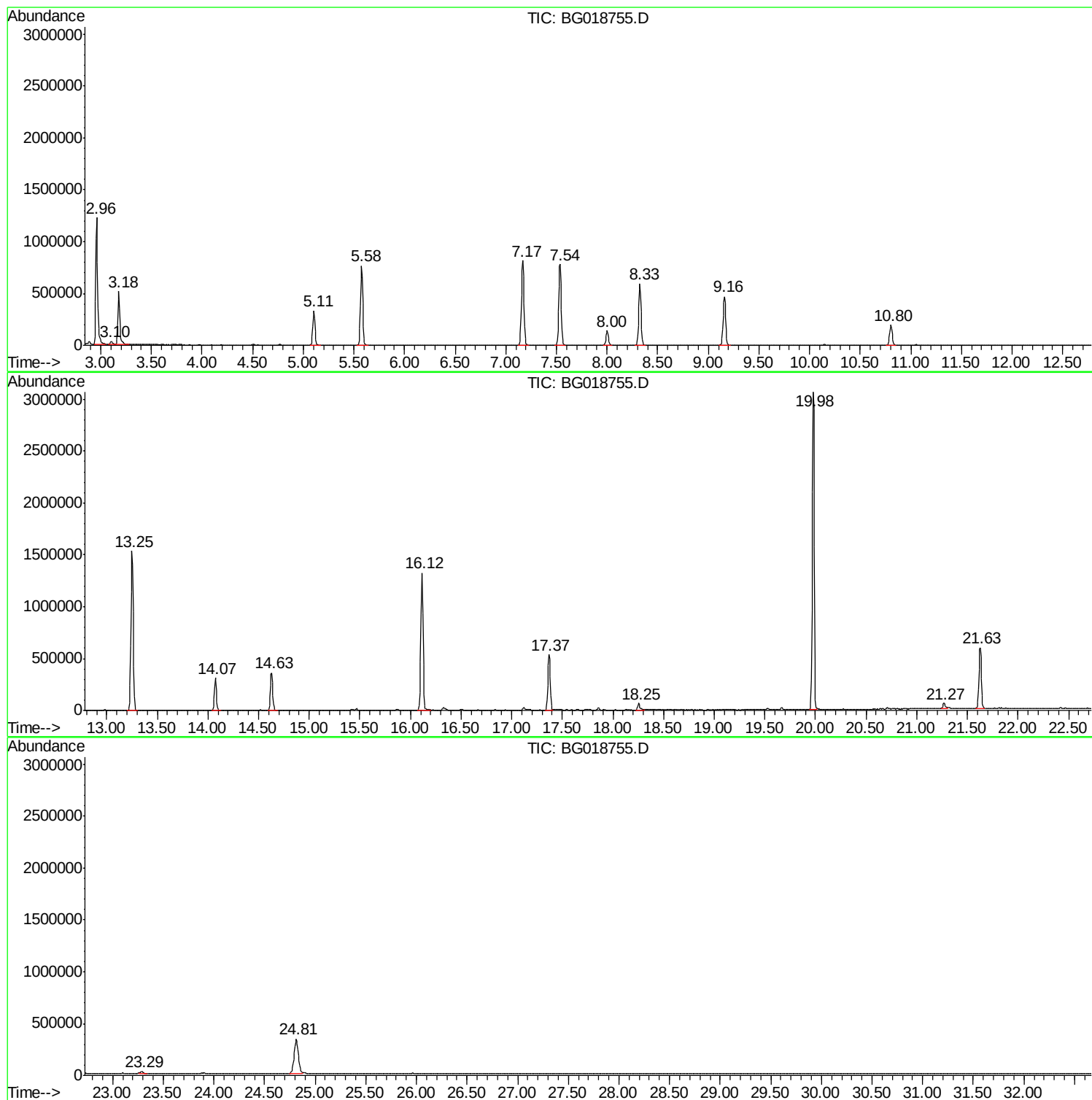
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Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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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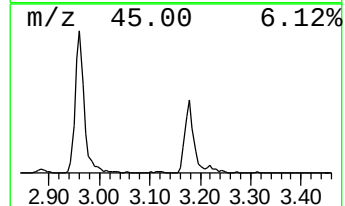
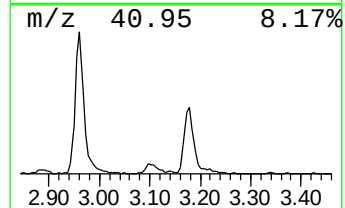
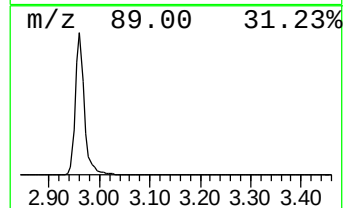
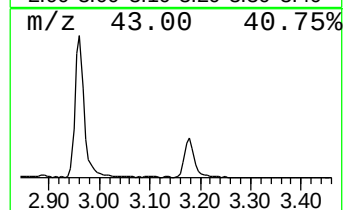
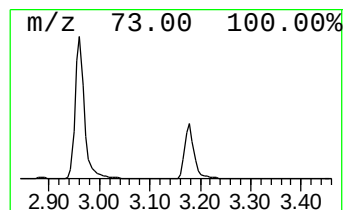
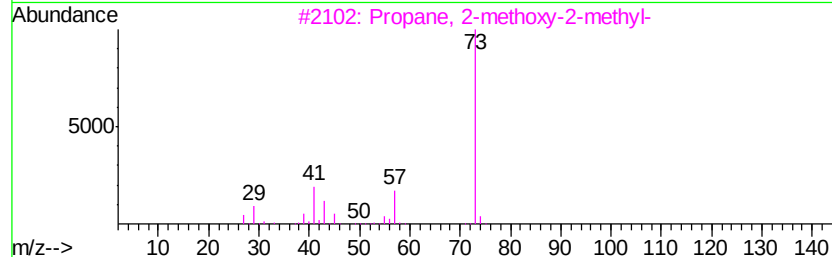
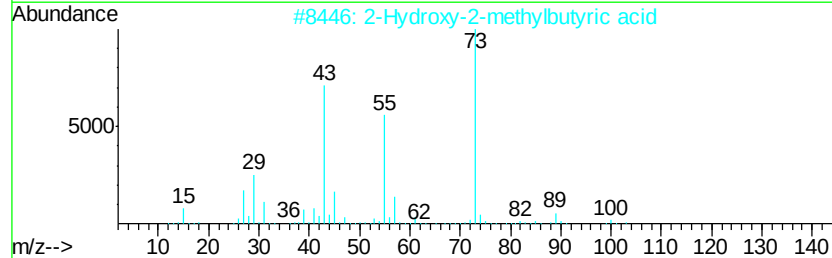
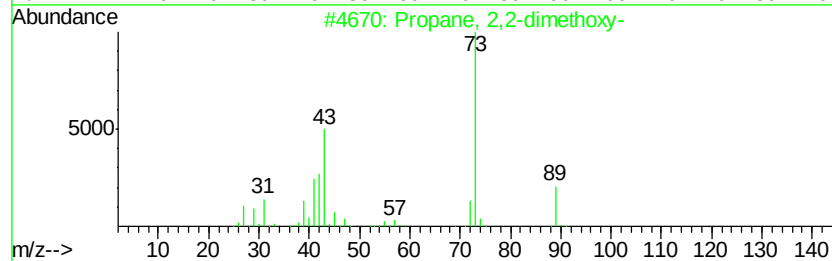
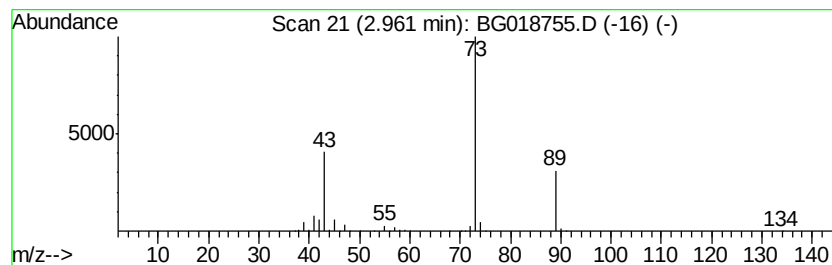
Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T.    | EstConc   | Area                           | Relative to ISTD       | R.T.    |             |      |
|---------|-----------|--------------------------------|------------------------|---------|-------------|------|
| 2.96    | 133.91 ng | 1525850                        | 1,4-Dichlorobenzene-d4 | 8.00    |             |      |
| Hit# of | 5         | Tentative ID                   | MW                     | MolForm | CAS#        | Qual |
| 1       |           | Propane, 2,2-dimethoxy-        | 104                    | C5H12O2 | 000077-76-9 | 50   |
| 2       |           | 2-Hydroxy-2-methylbutyric acid | 118                    | C5H10O3 | 003739-30-8 | 9    |
| 3       |           | Propane, 2-methoxy-2-methyl-   | 88                     | C5H12O  | 001634-04-4 | 9    |
| 4       |           | Methane, isothiocyanato-       | 73                     | C2H3NS  | 000556-61-6 | 7    |
| 5       |           | N-Ethylformamide               | 73                     | C3H7NO  | 000627-45-2 | 5    |



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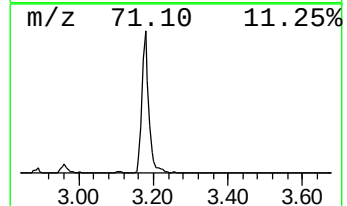
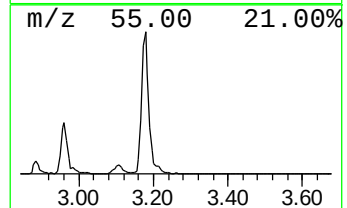
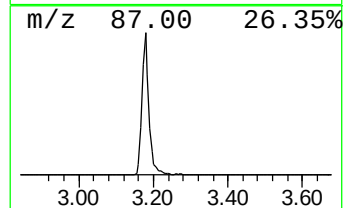
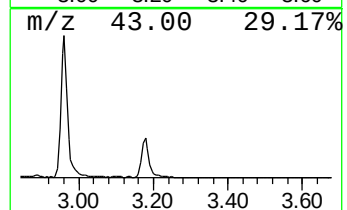
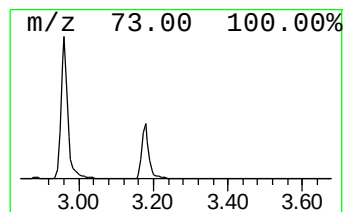
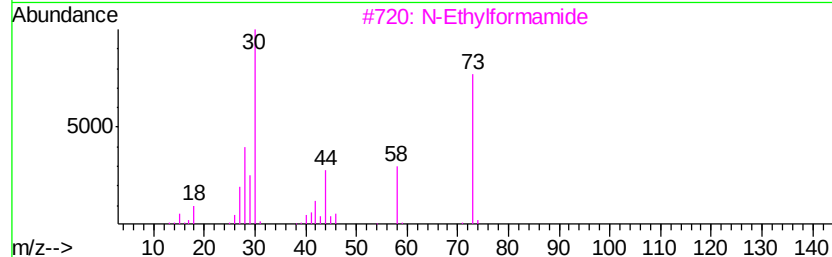
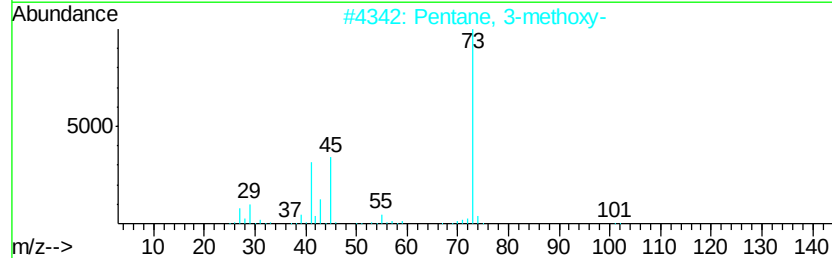
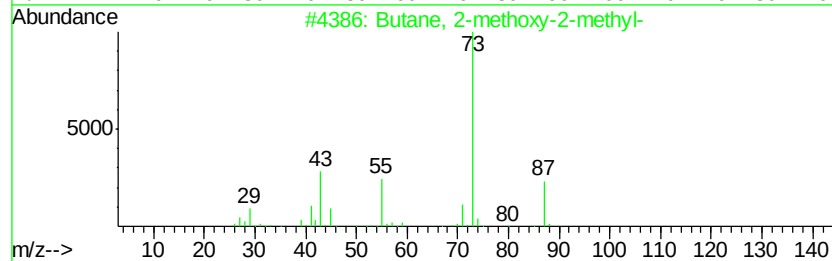
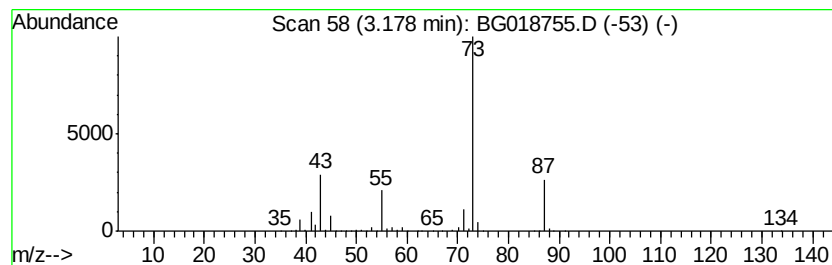
Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
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Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T.    | EstConc  | Area                        | Relative to ISTD       |         | R.T.        |      |
|---------|----------|-----------------------------|------------------------|---------|-------------|------|
| 3.18    | 60.71 ng | 691721                      | 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 | 83   |
| 2       |          | Pentane, 3-methoxy-         | 102                    | C6H14O  | 036839-67-5 | 23   |
| 3       |          | N-Ethylformamide            | 73                     | C3H7NO  | 000627-45-2 | 9    |
| 4       |          | Acetamide, N-ethyl-         | 87                     | C4H9NO  | 000625-50-3 | 9    |
| 5       |          | Silane, tetramethyl-        | 88                     | C4H12Si | 000075-76-3 | 9    |



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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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

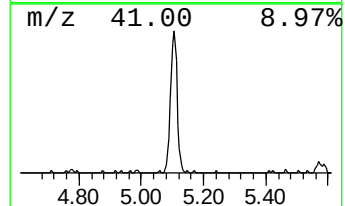
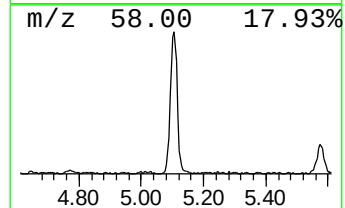
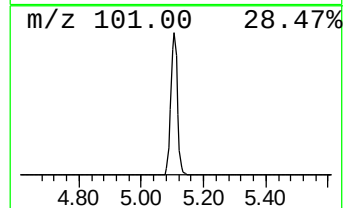
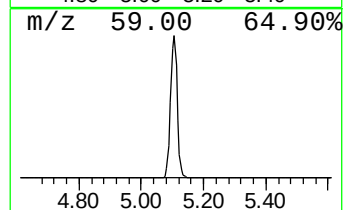
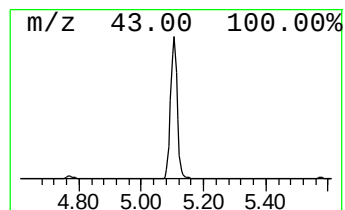
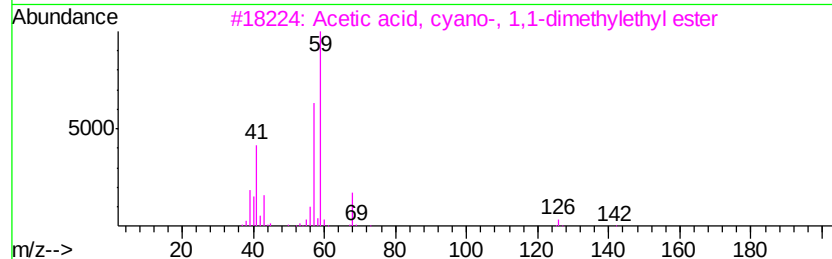
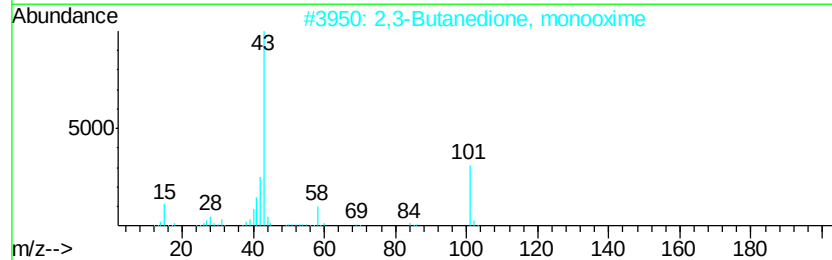
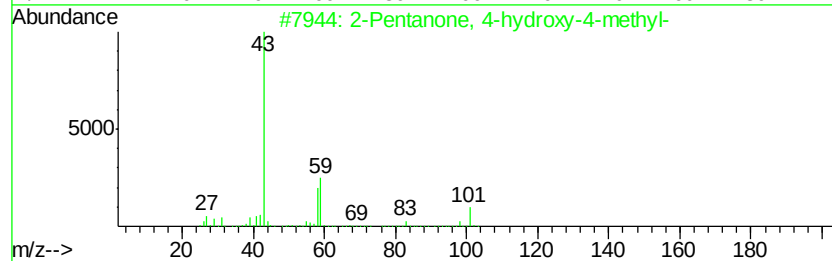
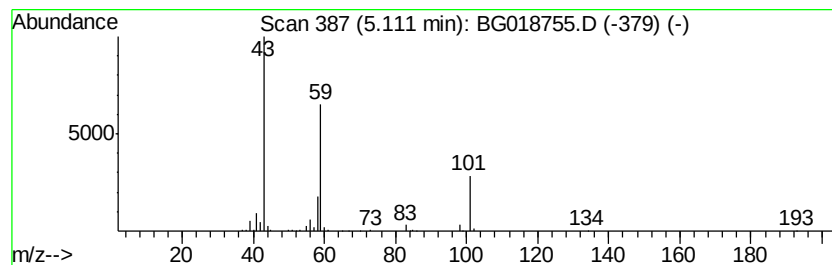
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 5.11 | 42.66 ng | 486026 | 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 | 59   |
| 2    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |



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BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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

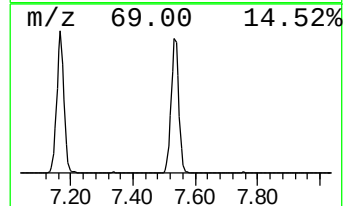
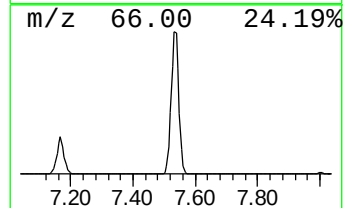
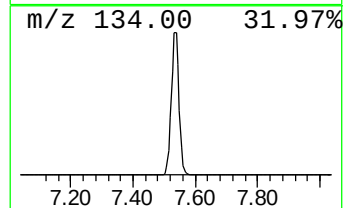
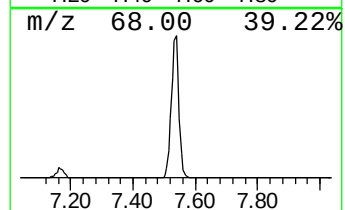
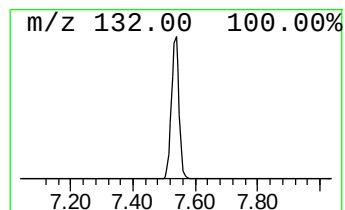
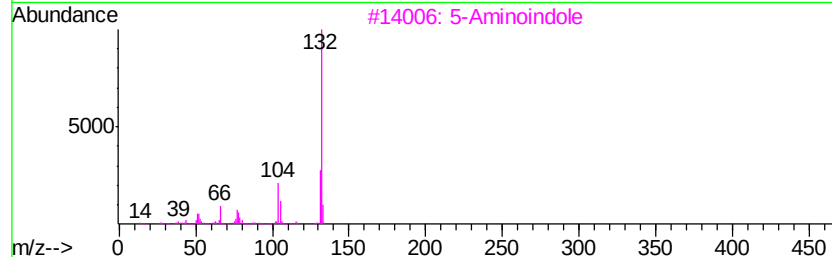
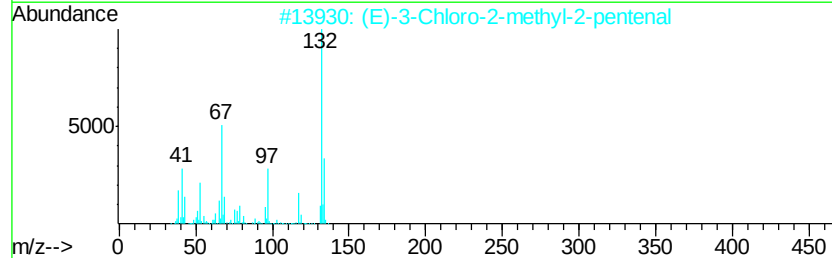
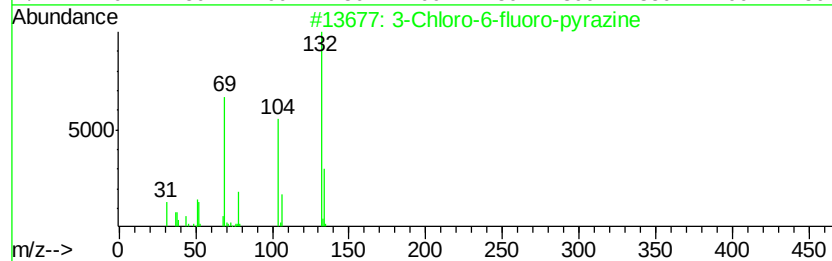
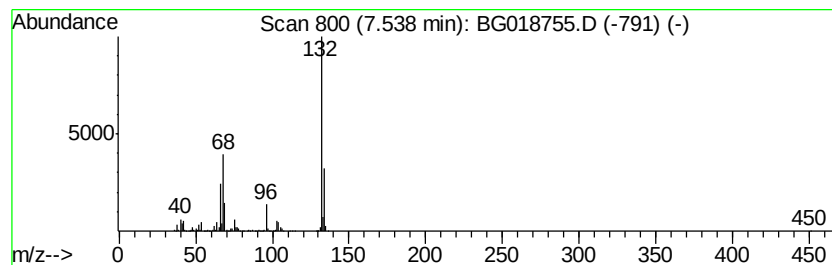
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown7.54 Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.54 | 116.76 ng | 1330370 | 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  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 10   |
| 4    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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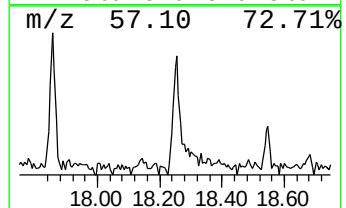
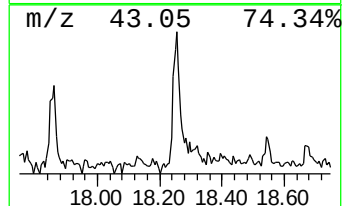
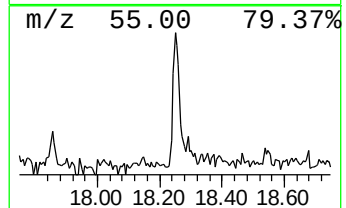
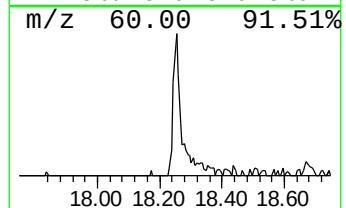
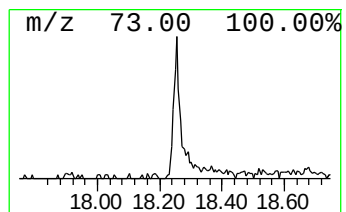
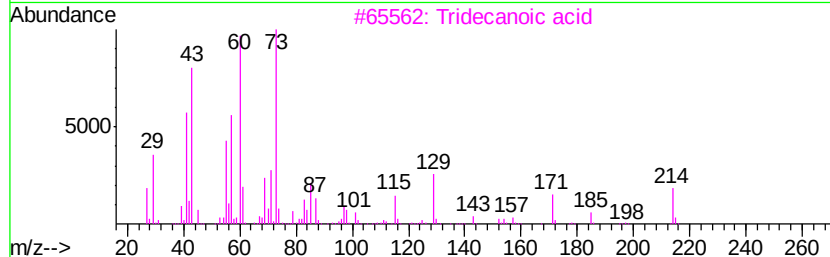
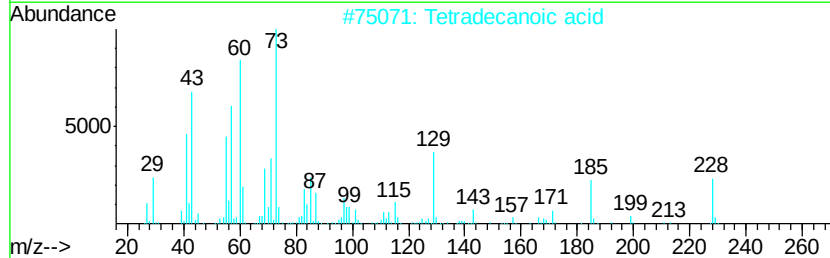
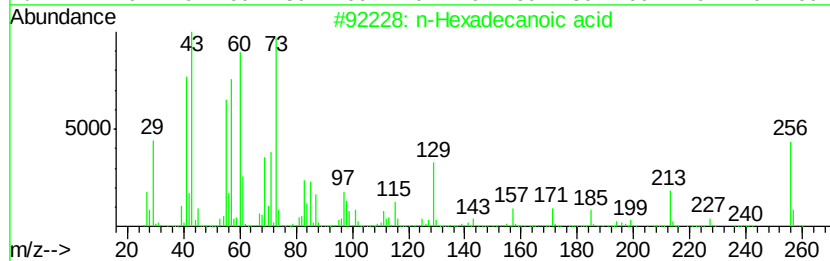
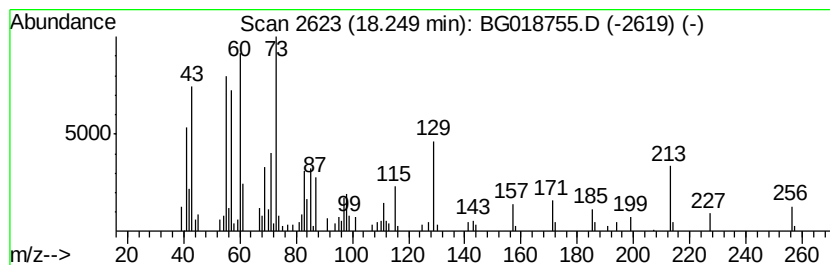
Instrument :  
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ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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

\*\*\*\*\*  
Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 18.25     | 2.65 ng             | 110254 | Phenanthrene-d10 | 17.37       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 96   |
| 2         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 86   |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70   |
| 4         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 64   |
| 5         | Undecanoic acid     | 186    | C11H22O2         | 000112-37-8 | 62   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091815\  
Data File : BG018755.D  
Acq On : 18 Sep 2015 2:09  
Operator : TP  
Sample : G3685-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FK-BPM-02-K1-K2-K3-K4

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 |
| Propane, 2,2-dime... | 2.96  | 133.9   | ng    | 1525850  | 1                     | 8.00  | 227885 | 20.0 |
| Butane, 2-methoxy... | 3.18  | 60.7    | ng    | 691721   | 1                     | 8.00  | 227885 | 20.0 |
| 2-Pentanone, 4-hy... | 5.11  | 42.7    | ng    | 486026   | 1                     | 8.00  | 227885 | 20.0 |
| unknown7.54          | 7.54  | 116.8   | ng    | 1330370  | 1                     | 8.00  | 227885 | 20.0 |
| n-Hexadecanoic acid  | 18.25 | 2.6     | ng    | 110254   | 4                     | 17.37 | 832755 | 20.0 |