

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
 Data File : BG021651.D  
 Acq On : 14 Apr 2016 13:59  
 Operator : UM/SJ  
 Sample : H2420-01  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB-BWR-BB-R06-CS-1(0-18FT)

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-BG041316.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         | 3.107       | 41            | 46          | 65           | rVB      | 2427153        | 3606253       | 100.00%         | 21.975%       |
| 2         | 3.378       | 87            | 92          | 101          | rVB      | 23612          | 36248         | 1.01%           | 0.221%        |
| 3         | 5.299       | 413           | 419         | 429          | rVB      | 61412          | 96152         | 2.67%           | 0.586%        |
| 4         | 5.763       | 491           | 498         | 508          | rBV      | 555607         | 891058        | 24.71%          | 5.430%        |
| 5         | 7.361       | 759           | 770         | 780          | rBV      | 587169         | 1020375       | 28.29%          | 6.218%        |
| 6         | 7.743       | 828           | 835         | 845          | rBV      | 540748         | 957248        | 26.54%          | 5.833%        |
| 7         | 8.219       | 908           | 916         | 922          | rBV      | 112292         | 192073        | 5.33%           | 1.170%        |
| 8         | 8.542       | 963           | 971         | 979          | rVB      | 393504         | 694365        | 19.25%          | 4.231%        |
| 9         | 9.382       | 1106          | 1114        | 1123         | rBV      | 335285         | 613952        | 17.02%          | 3.741%        |
| 10        | 11.033      | 1387          | 1395        | 1402         | rBV      | 157319         | 283093        | 7.85%           | 1.725%        |
| 11        | 13.454      | 1799          | 1807        | 1817         | rBV      | 902277         | 1407187       | 39.02%          | 8.575%        |
| 12        | 14.265      | 1939          | 1945        | 1953         | rBV      | 151319         | 222625        | 6.17%           | 1.357%        |
| 13        | 14.823      | 2034          | 2040        | 2050         | rVB2     | 254948         | 409876        | 11.37%          | 2.498%        |
| 14        | 15.646      | 2176          | 2180        | 2185         | rVB      | 34381          | 47262         | 1.31%           | 0.288%        |
| 15        | 16.298      | 2281          | 2291        | 2301         | rBV      | 717371         | 1111651       | 30.83%          | 6.774%        |
| 16        | 16.503      | 2321          | 2326        | 2329         | rBV      | 39413          | 55088         | 1.53%           | 0.336%        |
| 17        | 17.291      | 2455          | 2460        | 2465         | rBV      | 31718          | 41454         | 1.15%           | 0.253%        |
| 18        | 17.555      | 2498          | 2505        | 2514         | rBV      | 345175         | 537396        | 14.90%          | 3.275%        |
| 19        | 17.914      | 2560          | 2566        | 2578         | rBV      | 80199          | 131079        | 3.63%           | 0.799%        |
| 20        | 20.146      | 2939          | 2946        | 2951         | rBV      | 1666497        | 2223019       | 61.64%          | 13.546%       |
| 21        | 20.816      | 3053          | 3060        | 3065         | rBV      | 92039          | 127681        | 3.54%           | 0.778%        |
| 22        | 20.934      | 3075          | 3080        | 3084         | rBV2     | 26886          | 36159         | 1.00%           | 0.220%        |
| 23        | 21.451      | 3163          | 3168        | 3173         | rBV2     | 56907          | 91122         | 2.53%           | 0.555%        |
| 24        | 21.827      | 3225          | 3232        | 3242         | rVB      | 405078         | 700766        | 19.43%          | 4.270%        |
| 25        | 22.015      | 3260          | 3264        | 3271         | rVB      | 40367          | 58685         | 1.63%           | 0.358%        |
| 26        | 22.643      | 3367          | 3371        | 3376         | rBV      | 37040          | 57616         | 1.60%           | 0.351%        |
| 27        | 23.366      | 3489          | 3494        | 3503         | rVB2     | 27158          | 56881         | 1.58%           | 0.347%        |
| 28        | 24.200      | 3631          | 3636        | 3642         | rVB3     | 19503          | 38111         | 1.06%           | 0.232%        |
| 29        | 25.158      | 3788          | 3799        | 3812         | rBV2     | 219876         | 666000        | 18.47%          | 4.058%        |

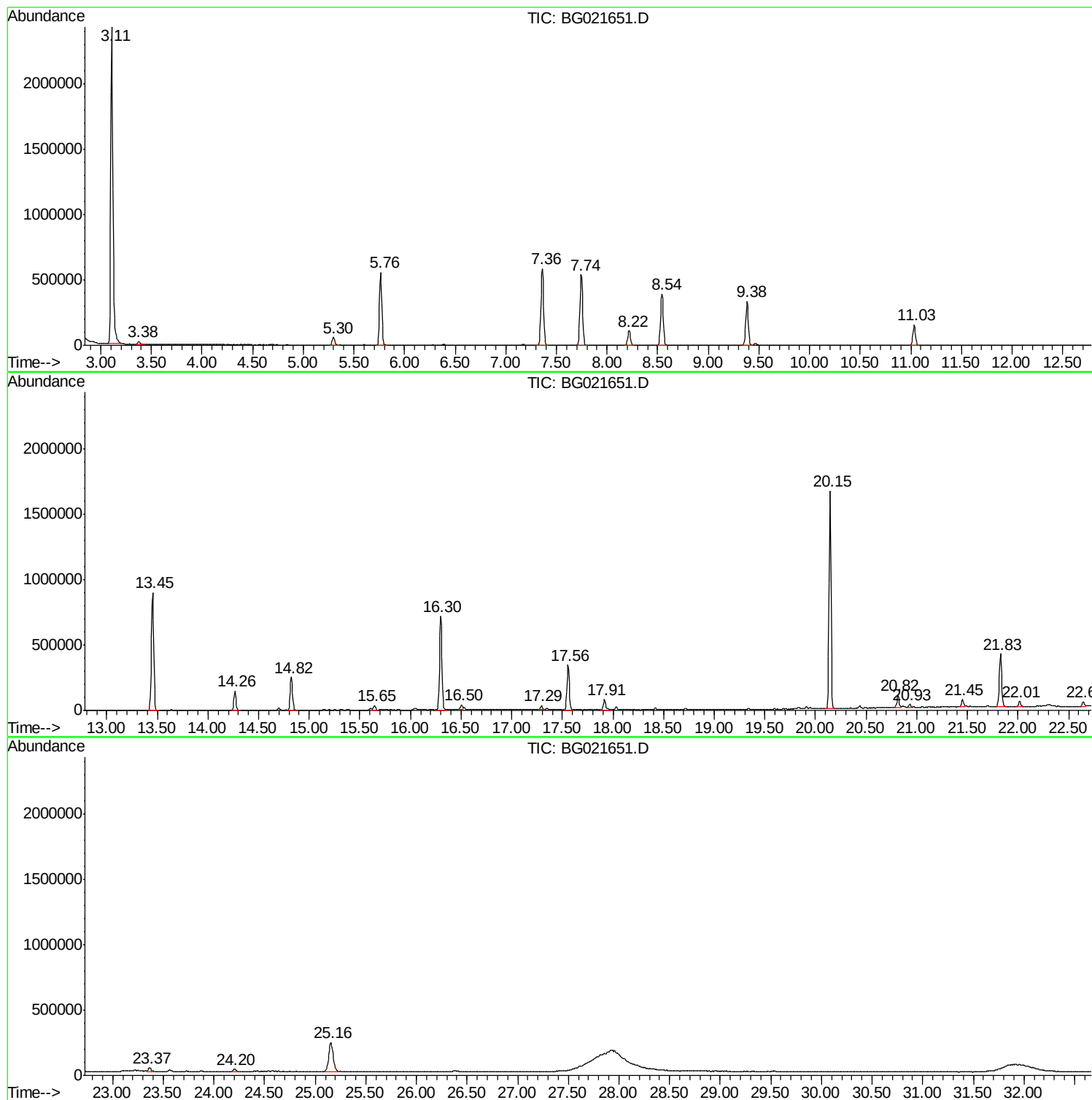
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FB-BWR-BB-R06-CS-1(0-18FT)

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.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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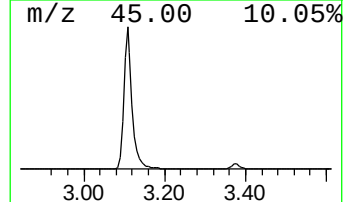
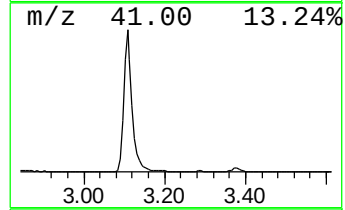
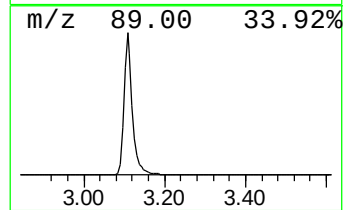
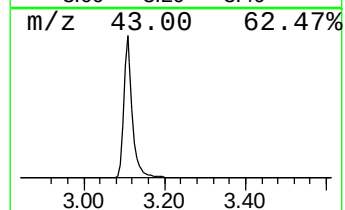
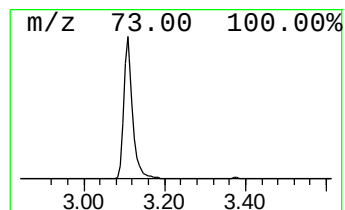
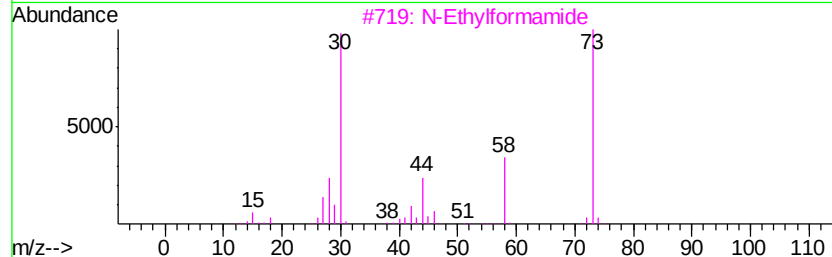
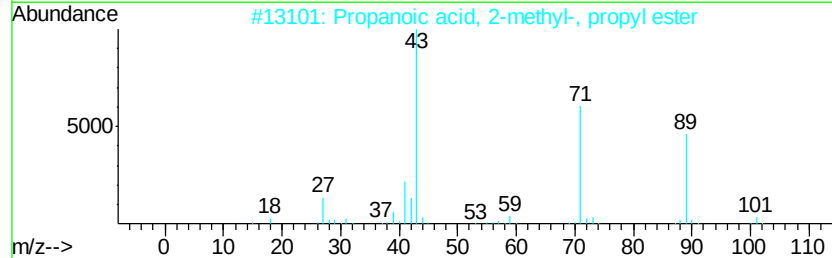
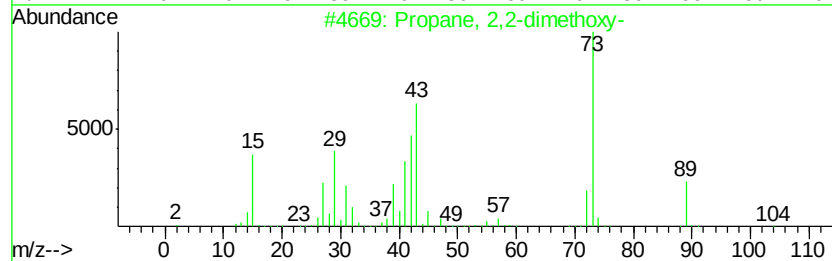
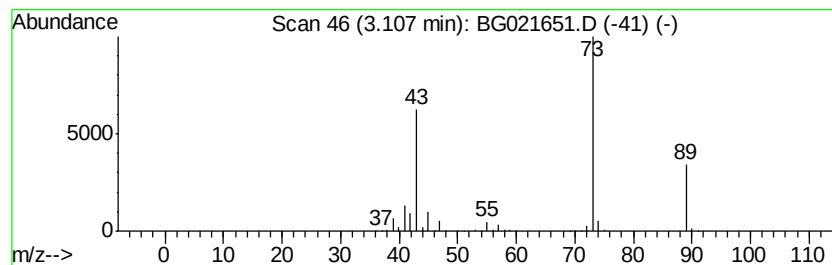
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown3.11 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.11 | 375.51 ng | 3606250 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Propane, 2,2-dimethoxy-             | 104 | C5H12O2  | 000077-76-9 | 42   |
| 2    |    |   | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2  | 000644-49-5 | 16   |
| 3    |    |   | N-Ethylformamide                    | 73  | C3H7NO   | 000627-45-2 | 9    |
| 4    |    |   | Acetamide, N-methyl-                | 73  | C3H7NO   | 000079-16-3 | 9    |
| 5    |    |   | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9    |



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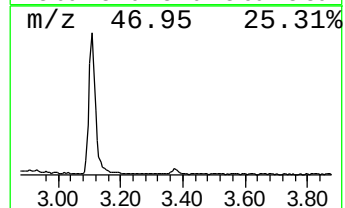
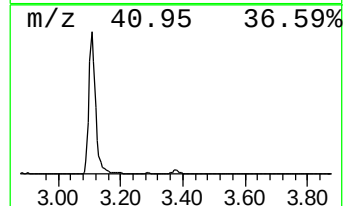
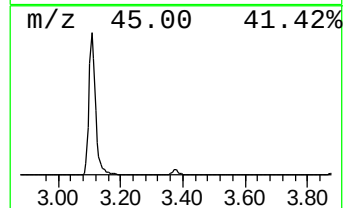
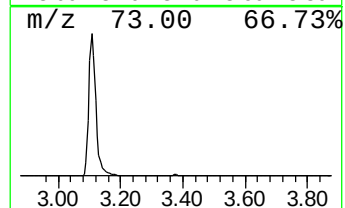
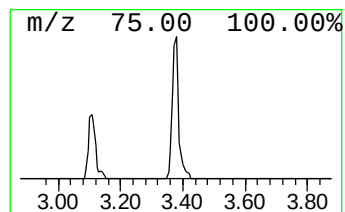
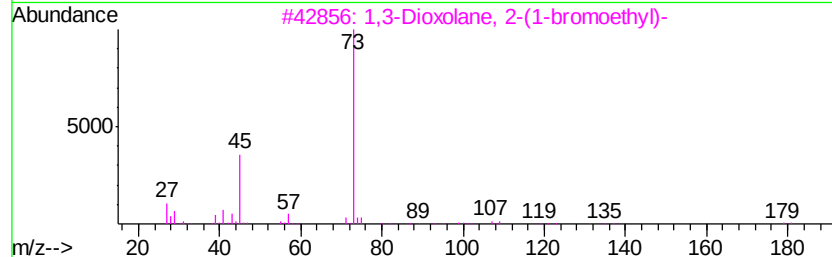
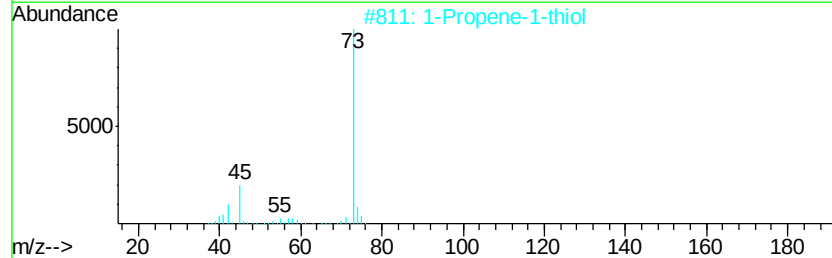
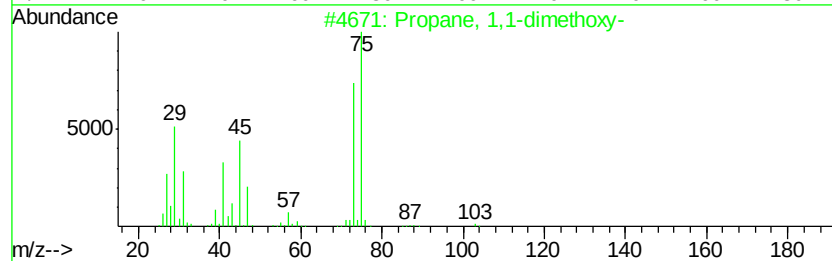
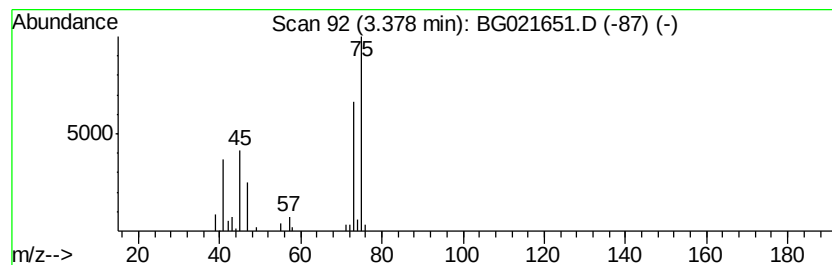
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 3.38 | 3.77 ng | 36248 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 1,1-dimethoxy-          | 104 | C5H12O2  | 004744-10-9 | 83   |
| 2    |    | 1-Propene-1-thiol                | 74  | C3H6S    | 000925-89-3 | 9    |
| 3    |    | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 9    |
| 4    |    | Pentane, 3-methoxy-              | 102 | C6H14O   | 036839-67-5 | 8    |
| 5    |    | Methane, isothiocyanato-         | 73  | C2H3NS   | 000556-61-6 | 7    |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
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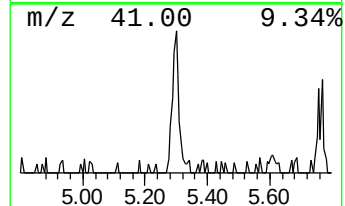
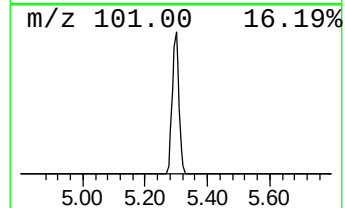
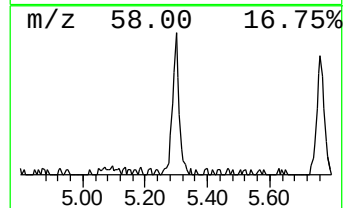
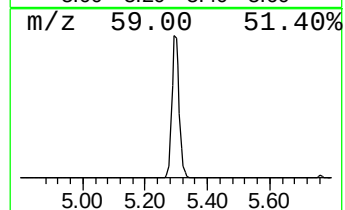
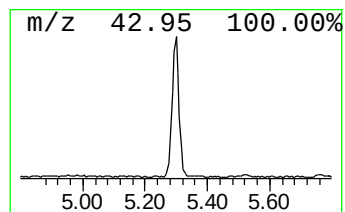
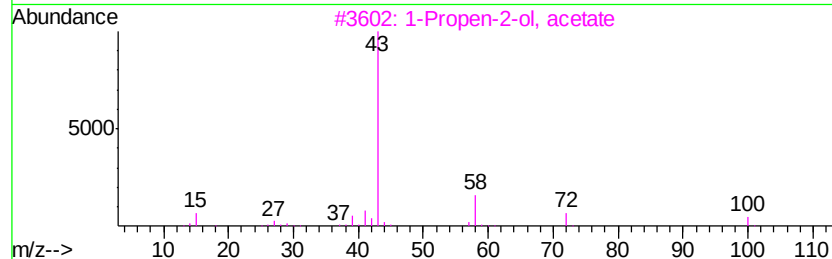
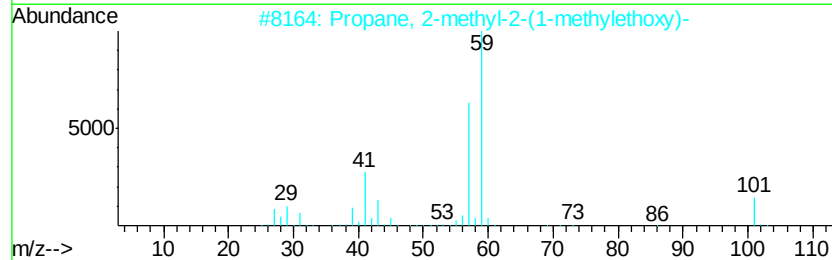
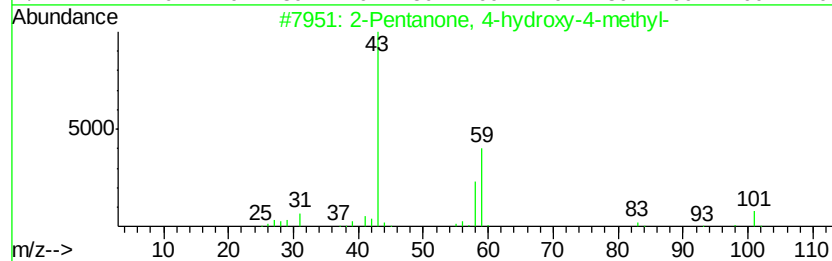
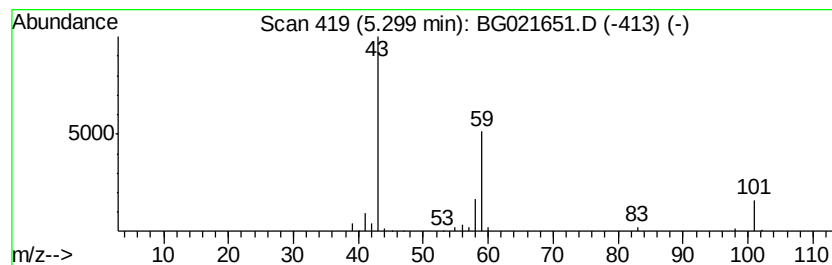
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|-------|------------------------|------|
| 5.30 | 10.01 ng | 96152 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 9    |
| 4    |    | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO | 005780-40-5 | 9    |
| 5    |    | 4-Hydroxy-3-hexanone                | 116 | C6H12O2 | 004984-85-4 | 9    |



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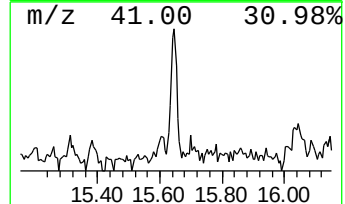
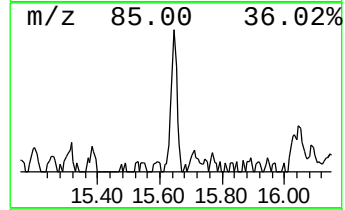
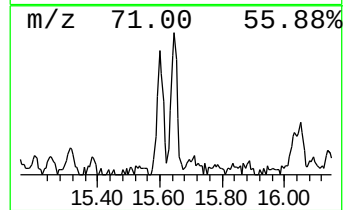
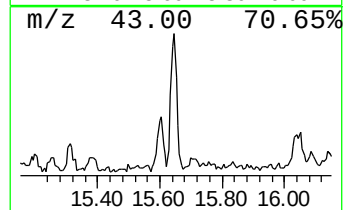
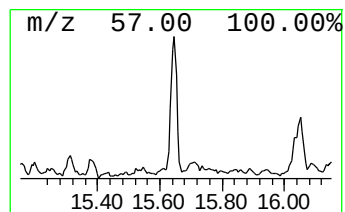
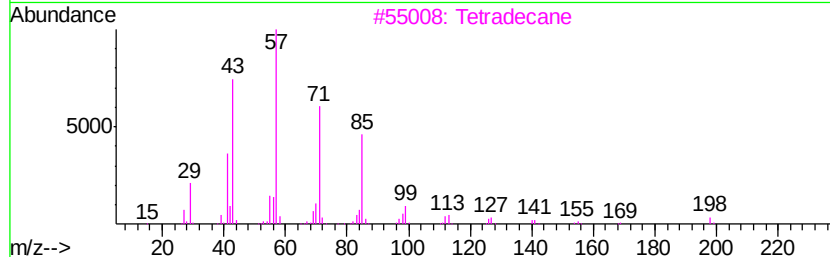
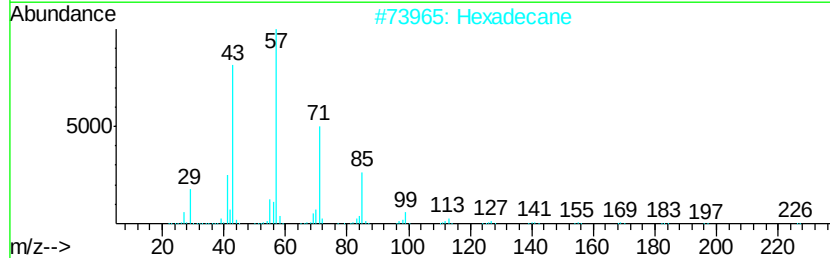
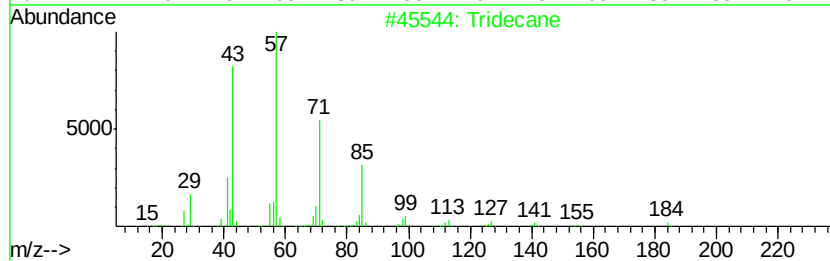
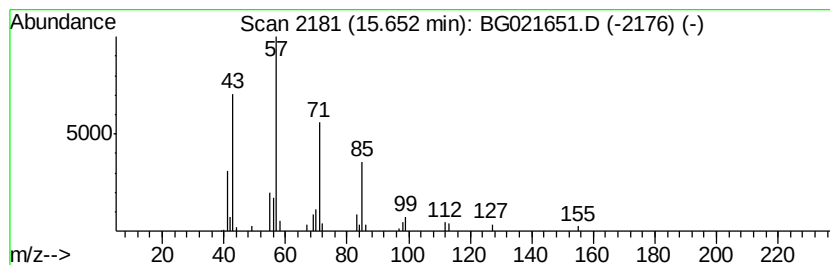
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ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

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TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 6 Tridecane Concentration Rank 9

| R.T.    | EstConc     | Area         | Relative to ISTD | R.T.      |
|---------|-------------|--------------|------------------|-----------|
| 15.65   | 2.31 ng     | 47262        | Acenaphthene-d10 | 14.82     |
| Hit# of | 5           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Tridecane   | 184 C13H28   | 000629-50-5      | 90        |
| 2       | Hexadecane  | 226 C16H34   | 000544-76-3      | 90        |
| 3       | Tetradecane | 198 C14H30   | 000629-59-4      | 90        |
| 4       | Eicosane    | 282 C20H42   | 000112-95-8      | 90        |
| 5       | Pentadecane | 212 C15H32   | 000629-62-9      | 83        |



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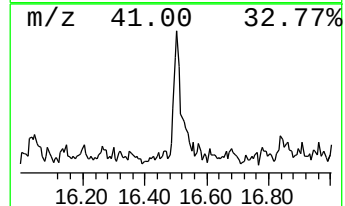
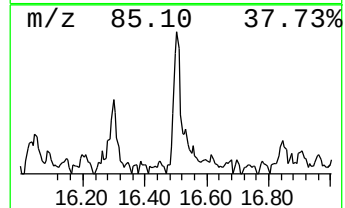
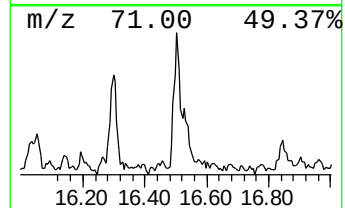
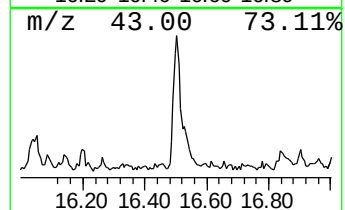
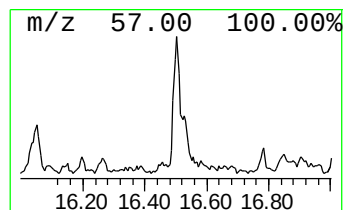
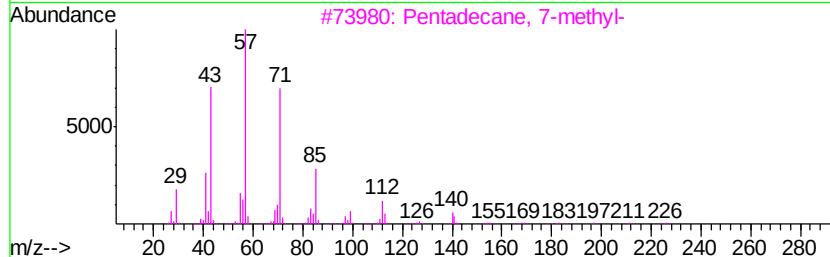
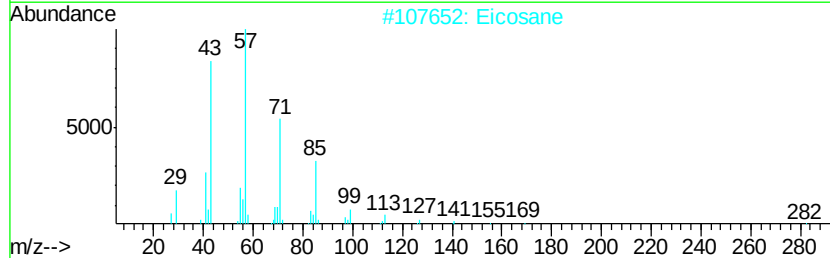
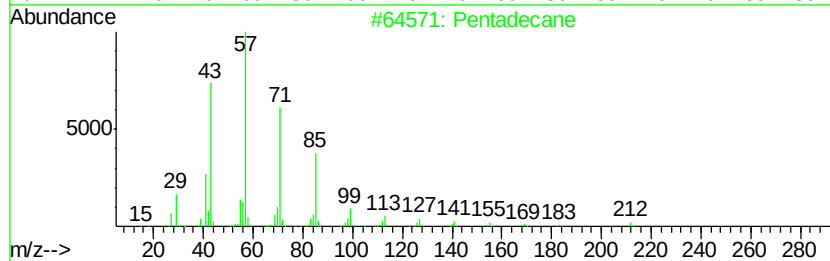
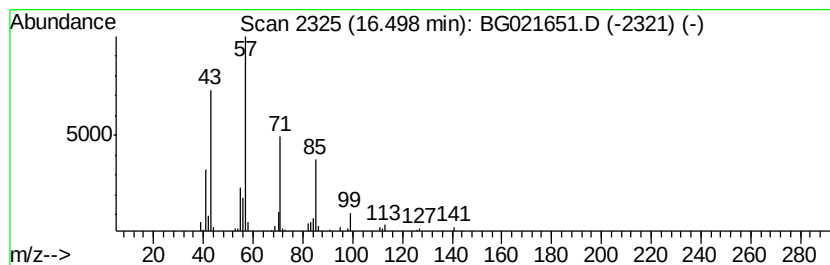
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ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

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

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Peak Number 7 Pentadecane Concentration Rank 10

| R.T.      | EstConc                  | Area  | Relative to ISTD |             | R.T.  |
|-----------|--------------------------|-------|------------------|-------------|-------|
| 16.50     | 2.05 ng                  | 55088 | Phenanthrene-d10 |             | 17.56 |
| Hit# of 5 | Tentative ID             | MW    | MolForm          | CAS#        | Qual  |
| 1         | Pentadecane              | 212   | C15H32           | 000629-62-9 | 86    |
| 2         | Eicosane                 | 282   | C20H42           | 000112-95-8 | 86    |
| 3         | Pentadecane, 7-methyl-   | 226   | C16H34           | 006165-40-8 | 83    |
| 4         | Undecane, 2,10-dimethyl- | 184   | C13H28           | 017301-27-8 | 64    |
| 5         | Undecane, 5,7-dimethyl-  | 184   | C13H28           | 017312-83-3 | 64    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
Data File : BG021651.D  
Acq On : 14 Apr 2016 13:59  
Operator : UM/SJ  
Sample : H2420-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

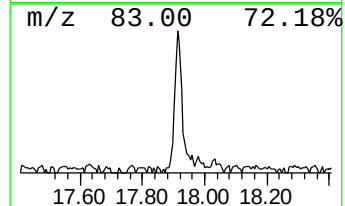
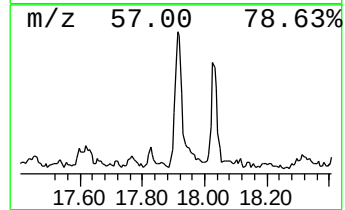
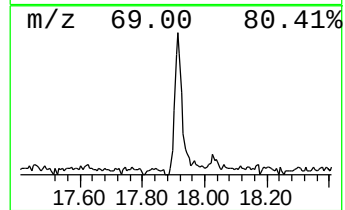
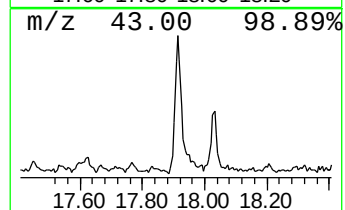
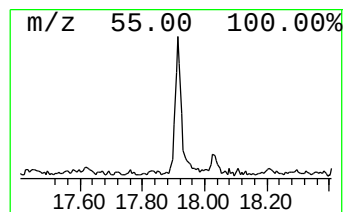
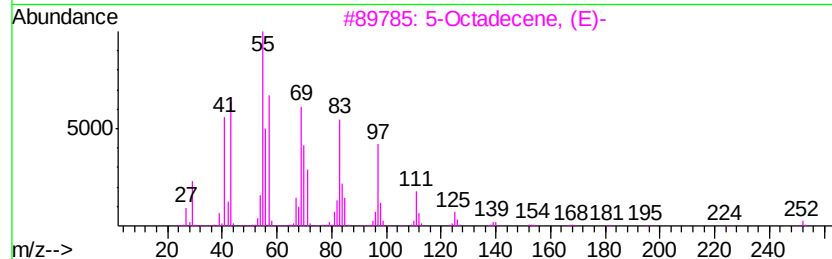
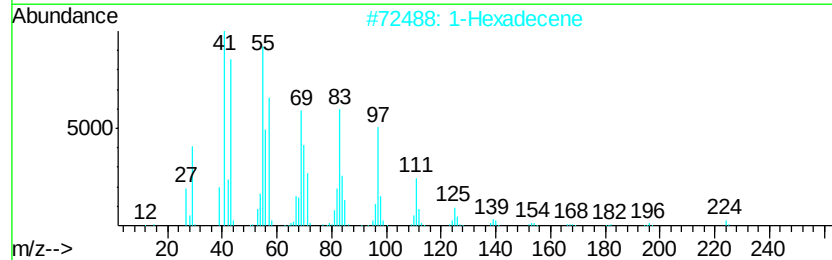
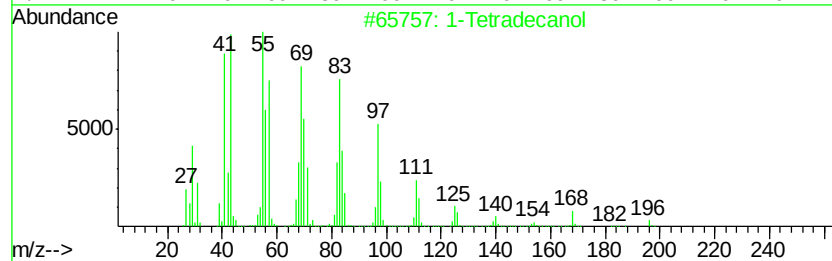
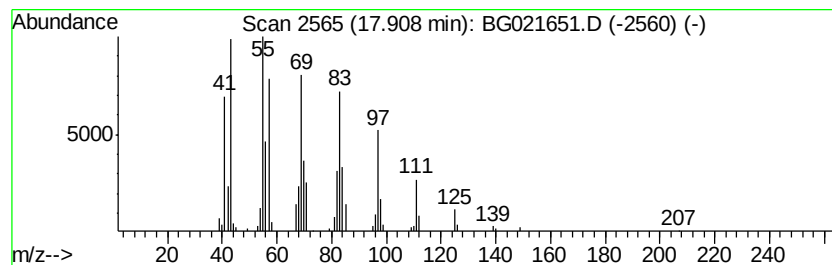
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Tetradecanol Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.91 | 4.88 ng | 131079 | Phenanthrene-d10 | 17.56 |

| Hit# of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|-----------|--------------------|-----|---------|-------------|------|
| 1         | 1-Tetradecanol     | 214 | C14H30O | 000112-72-1 | 91   |
| 2         | 1-Hexadecene       | 224 | C16H32  | 000629-73-2 | 90   |
| 3         | 5-Octadecene, (E)- | 252 | C18H36  | 007206-21-5 | 83   |
| 4         | 1-Tridecene        | 182 | C13H26  | 002437-56-1 | 83   |
| 5         | Cyclotetradecane   | 196 | C14H28  | 000295-17-0 | 83   |





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Data File : BG021651.D  
Acq On : 14 Apr 2016 13:59  
Operator : UM/SJ  
Sample : H2420-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

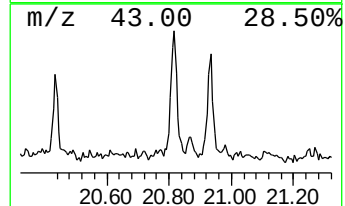
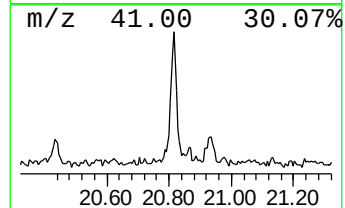
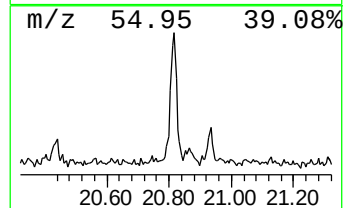
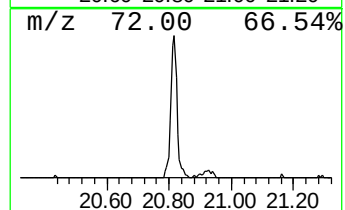
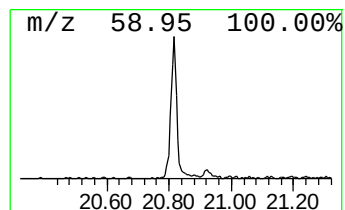
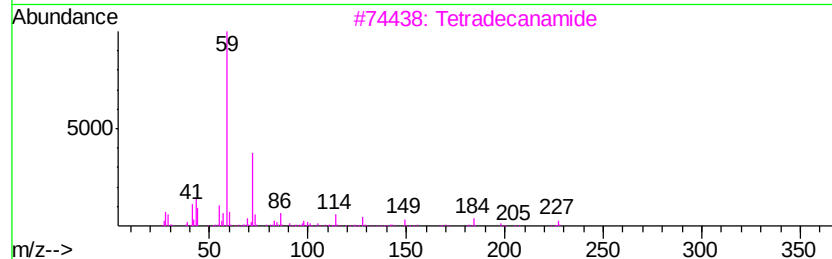
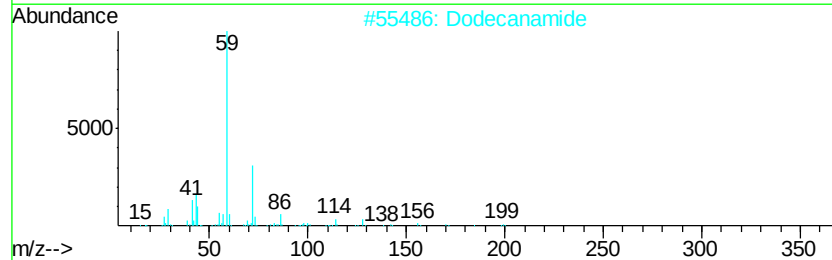
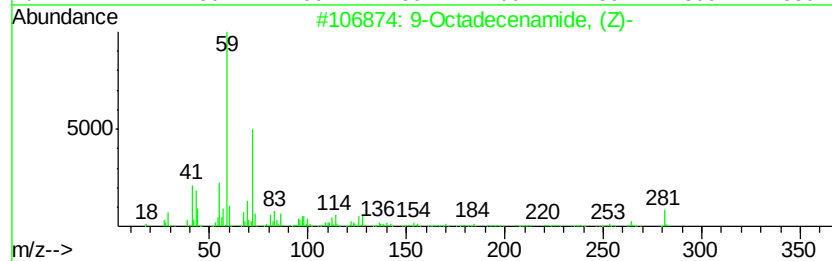
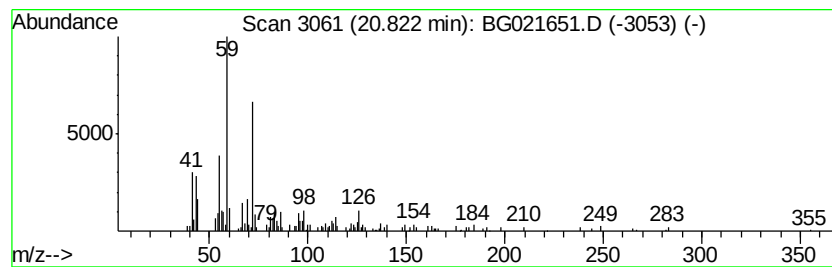
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.82 | 3.64 ng | 127681 | Chrysene-d12     | 21.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 86   |
| 2    |    | Dodecanamide                        | 199 | C12H25NO   | 001120-16-7 | 78   |
| 3    |    | Tetradecanamide                     | 227 | C14H29NO   | 000638-58-4 | 78   |
| 4    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 72   |
| 5    |    | 7-Nonenamide                        | 155 | C9H17NO    | 090949-53-4 | 72   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
Data File : BG021651.D  
Acq On : 14 Apr 2016 13:59  
Operator : UM/SJ  
Sample : H2420-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

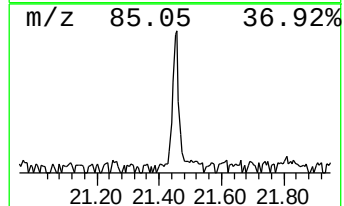
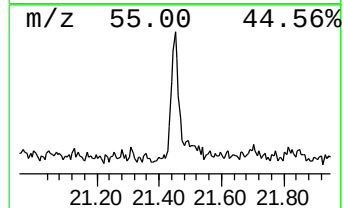
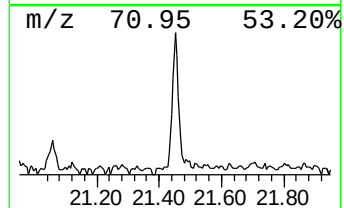
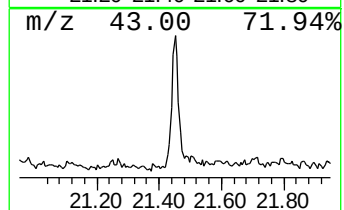
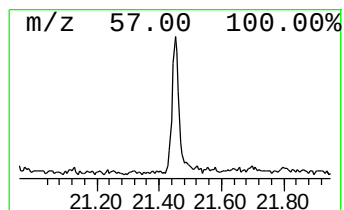
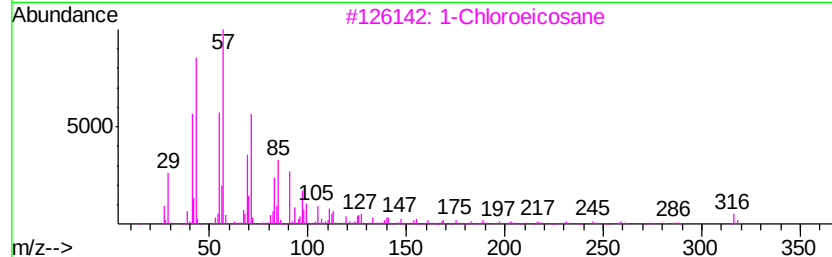
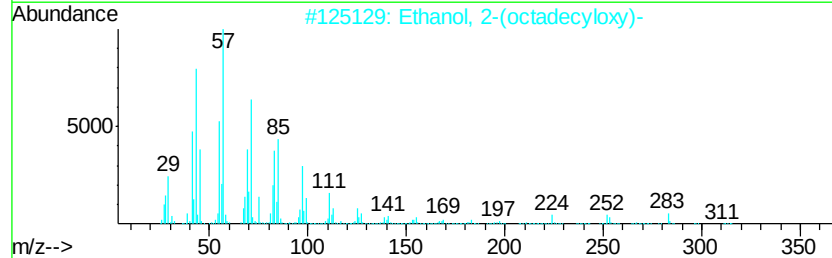
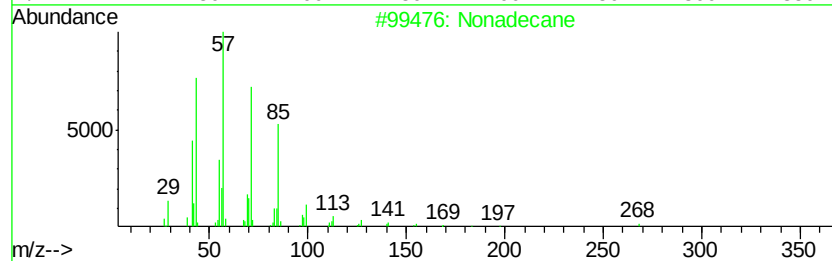
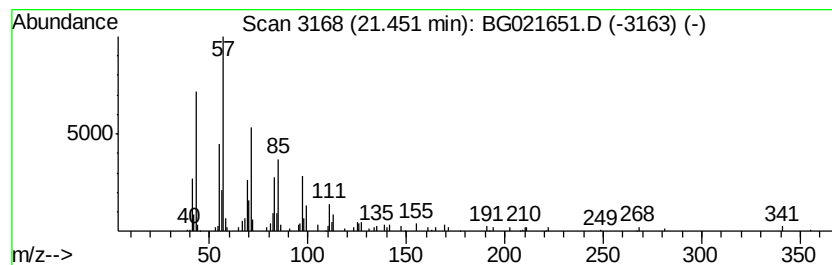
Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.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 10 Nonadecane Concentration Rank 8

| R.T.    | EstConc                    | Area         | Relative to ISTD | R.T.           |
|---------|----------------------------|--------------|------------------|----------------|
| 21.45   | 2.60 ng                    | 91122        | Chrysene-d12     | 21.83          |
| Hit# of | 5                          | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Nonadecane                 |              | 268 C19H40       | 000629-92-5 96 |
| 2       | Ethanol, 2-(octadecyloxy)- |              | 314 C20H42O2     | 002136-72-3 90 |
| 3       | 1-Chloroeicosane           |              | 316 C20H41Cl     | 042217-02-7 86 |
| 4       | Eicosane                   |              | 282 C20H42       | 000112-95-8 62 |
| 5       | Octacosane                 |              | 394 C28H58       | 000630-02-4 52 |



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Operator : UM/SJ  
Sample : H2420-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FB-BWR-BB-R06-CS-1(0-18FT)

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.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 |
| unknown3.11           | 3.11  | 375.5   | ng    | 3606250  | 1                       | 8.21  | 192073 | 20.0 |
| Propane, 1,1-dime...  | 3.38  | 3.8     | ng    | 36248    | 1                       | 8.21  | 192073 | 20.0 |
| 2-Pentanone, 4-hy...  | 5.30  | 10.0    | ng    | 96152    | 1                       | 8.21  | 192073 | 20.0 |
| Tridecane             | 15.65 | 2.3     | ng    | 47262    | 3                       | 14.82 | 409876 | 20.0 |
| Pentadecane           | 16.50 | 2.0     | ng    | 55088    | 4                       | 17.56 | 537396 | 20.0 |
| 1-Tetradecanol        | 17.91 | 4.9     | ng    | 131079   | 4                       | 17.56 | 537396 | 20.0 |
| 9-Octadecenamide, ... | 20.82 | 3.6     | ng    | 127681   | 5                       | 21.83 | 700766 | 20.0 |
| Nonadecane            | 21.45 | 2.6     | ng    | 91122    | 5                       | 21.83 | 700766 | 20.0 |