

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\  
Data File : BF086870.D  
Acq On : 10 May 2016 20:10  
Operator : UM/SJ  
Sample : H2945-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616

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\_F\METHODS\8270-BF050916.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         | 2.430       | 28            | 30          | 41           | rVB      | 80638          | 141976        | 2.98%           | 0.363%        |
| 2         | 4.167       | 178           | 182         | 186          | rBV      | 124291         | 268539        | 5.63%           | 0.687%        |
| 3         | 4.236       | 186           | 188         | 200          | rVB2     | 44766          | 98733         | 2.07%           | 0.252%        |
| 4         | 4.396       | 200           | 202         | 206          | rBV      | 35955          | 54124         | 1.13%           | 0.138%        |
| 5         | 4.864       | 241           | 243         | 252          | rBV      | 594238         | 1069870       | 22.42%          | 2.736%        |
| 6         | 5.139       | 265           | 267         | 273          | rVB      | 55549          | 78097         | 1.64%           | 0.200%        |
| 7         | 5.299       | 279           | 281         | 297          | rBV      | 4214096        | 4723795       | 98.99%          | 12.080%       |
| 8         | 6.350       | 370           | 373         | 380          | rBV      | 3766789        | 4244824       | 88.95%          | 10.855%       |
| 9         | 6.464       | 380           | 383         | 385          | rBV      | 4337757        | 4772023       | 100.00%         | 12.203%       |
| 10        | 6.682       | 400           | 402         | 405          | rBV      | 1083469        | 1012258       | 21.21%          | 2.589%        |
| 11        | 6.842       | 414           | 416         | 418          | rBV      | 4119890        | 3747899       | 78.54%          | 9.584%        |
| 12        | 7.253       | 450           | 452         | 455          | rBV      | 2379707        | 3085422       | 64.66%          | 7.890%        |
| 13        | 7.973       | 512           | 515         | 517          | rBV      | 1115328        | 1191938       | 24.98%          | 3.048%        |
| 14        | 9.047       | 606           | 609         | 612          | rBV      | 4225815        | 4374009       | 91.66%          | 11.185%       |
| 15        | 9.722       | 665           | 668         | 670          | rBV      | 1120064        | 1138640       | 23.86%          | 2.912%        |
| 16        | 10.510      | 734           | 737         | 739          | rBV      | 2300479        | 2489961       | 52.18%          | 6.367%        |
| 17        | 11.196      | 795           | 797         | 800          | rBV      | 1028149        | 919404        | 19.27%          | 2.351%        |
| 18        | 12.785      | 933           | 936         | 938          | rBV      | 3169975        | 3652932       | 76.55%          | 9.341%        |
| 19        | 13.825      | 1024          | 1027        | 1029         | rBV      | 841489         | 849105        | 17.79%          | 2.171%        |
| 20        | 14.271      | 1062          | 1066        | 1069         | rBV      | 295333         | 466814        | 9.78%           | 1.194%        |
| 21        | 15.197      | 1144          | 1147        | 1154         | rBV      | 565124         | 724905        | 15.19%          | 1.854%        |

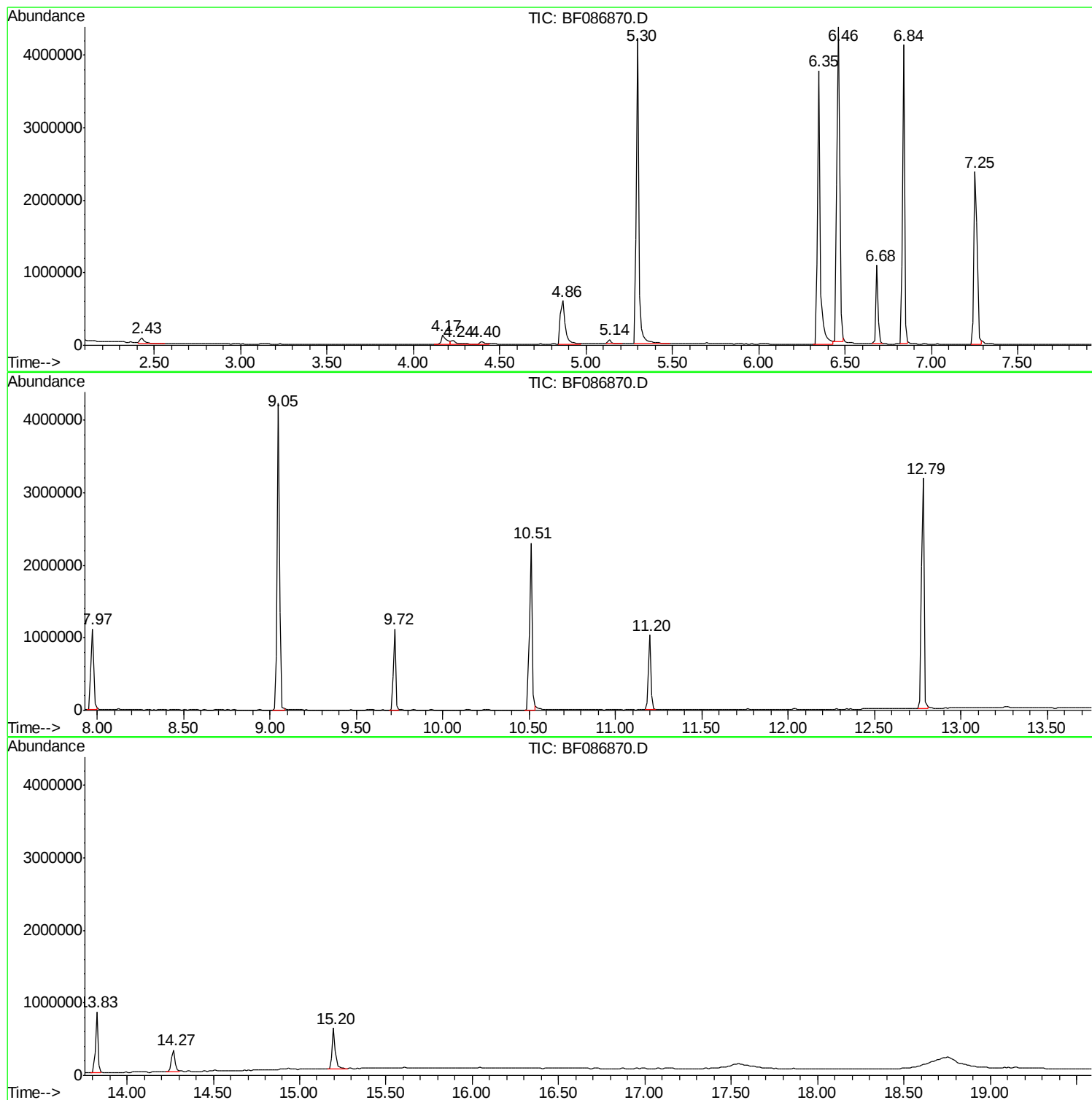
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ALS Vial : 19 Sample Multiplier: 1

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BNA\_F  
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HSR-WC-43-050616

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.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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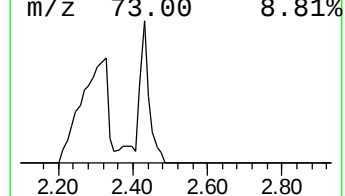
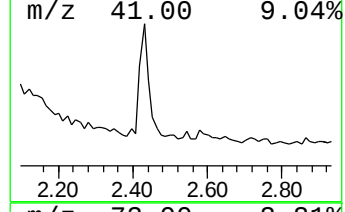
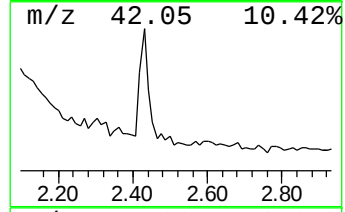
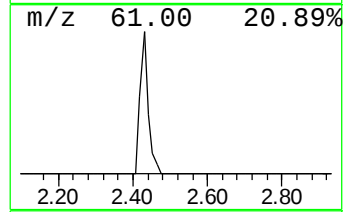
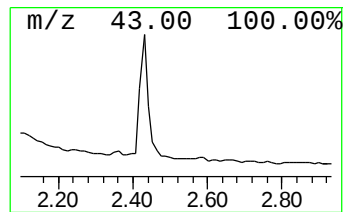
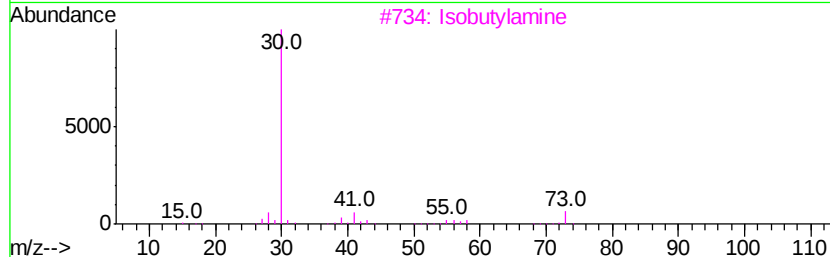
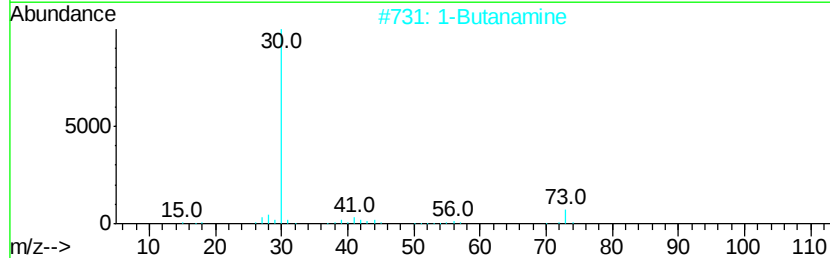
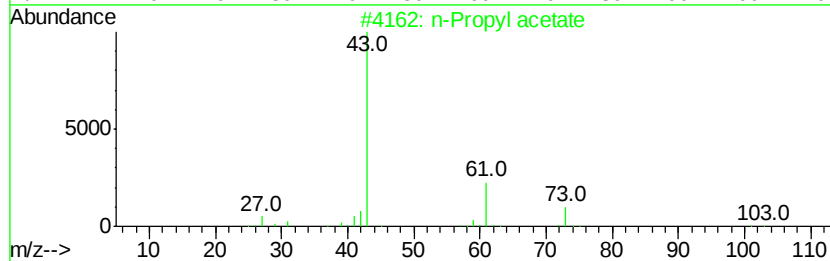
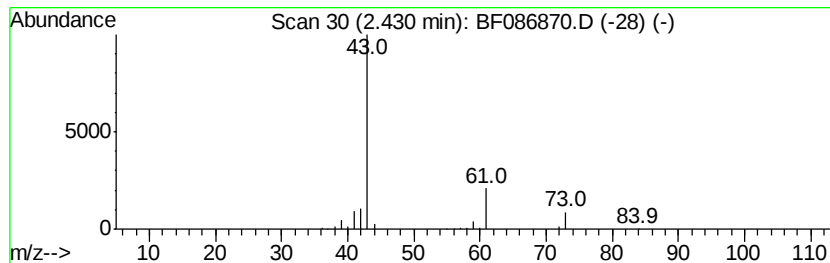
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HSR-WC-43-050616

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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 n-Propyl acetate Concentration Rank 6

| R.T.      | EstConc           | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------|--------|------------------------|-------------|------|
| 2.43      | 2.81 ng           | 141976 | 1,4-Dichlorobenzene-d4 | 6.68        |      |
| Hit# of 5 | Tentative ID      | MW     | MolForm                | CAS#        | Qual |
| 1         | n-Propyl acetate  | 102    | C5H10O2                | 000109-60-4 | 78   |
| 2         | 1-Butanamine      | 73     | C4H11N                 | 000109-73-9 | 5    |
| 3         | Isobutylamine     | 73     | C4H11N                 | 000078-81-9 | 5    |
| 4         | Butane, 2-methyl- | 72     | C5H12                  | 000078-78-4 | 4    |
| 5         | Hydrogen azide    | 43     | HN3                    | 007782-79-8 | 4    |



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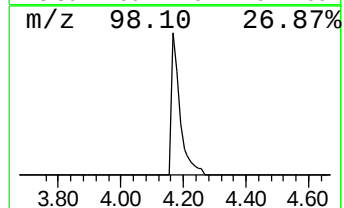
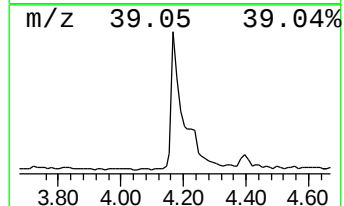
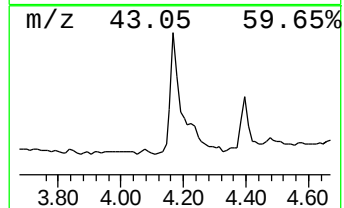
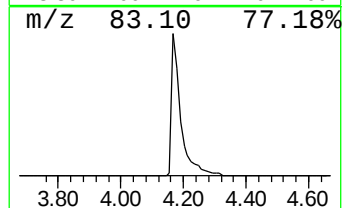
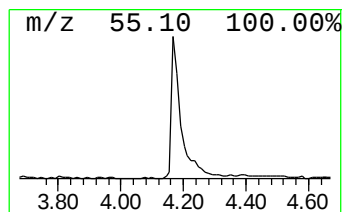
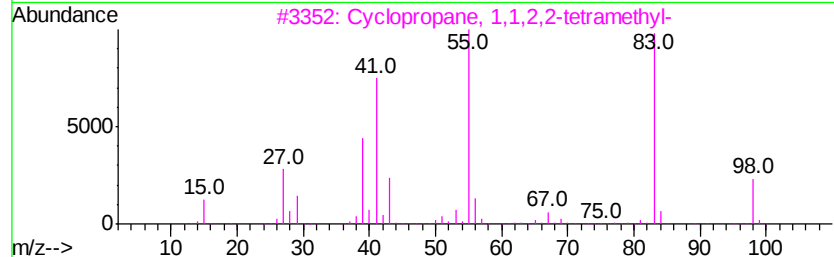
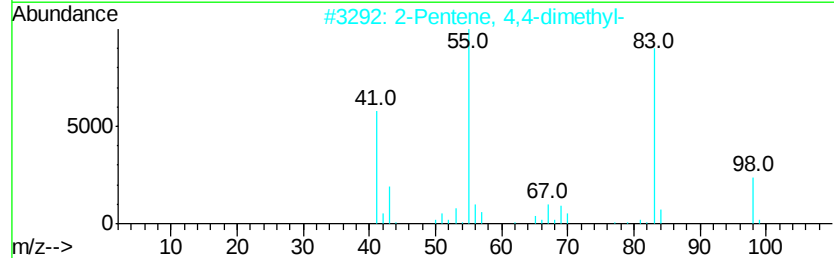
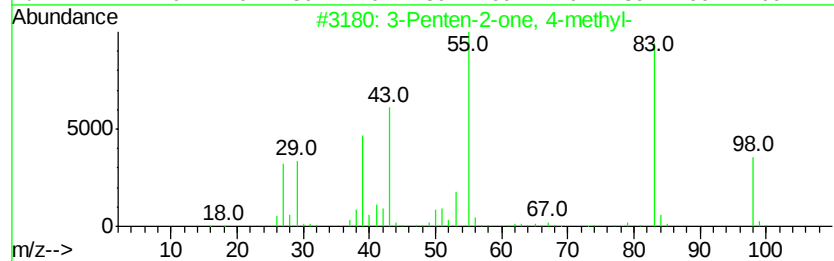
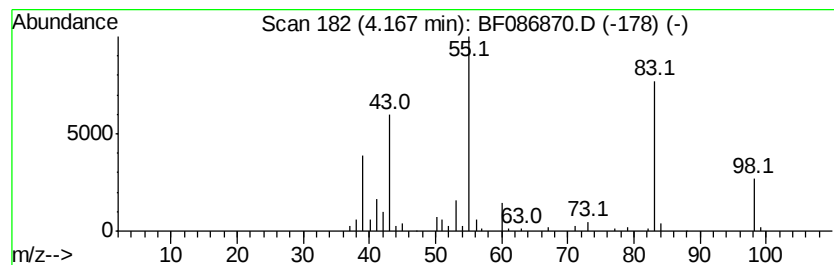
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Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.17 | 5.31 ng | 268539 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | 5 | Tentative ID                       | MW | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|----|---------|--------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-          | 98 | C6H10O  | 000141-79-7  | 74   |
| 2    |    |   | 2-Pentene, 4,4-dimethyl-           | 98 | C7H14   | 026232-98-4  | 72   |
| 3    |    |   | Cyclopropane, 1,1,2,2-tetramethyl- | 98 | C7H14   | 004127-47-3  | 72   |
| 4    |    |   | 1,4-Pentadien-3-ol                 | 84 | C5H8O   | 000922-65-6  | 59   |
| 5    |    |   | 3,4-Dimethyl-2-pentene(c,t)        | 98 | C7H14   | 1000118-16-5 | 58   |



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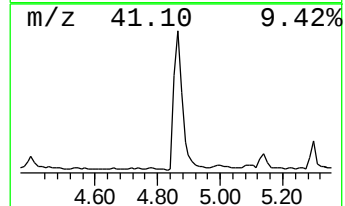
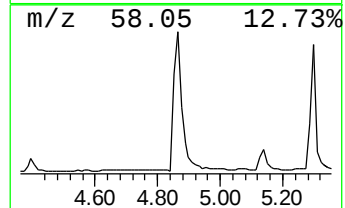
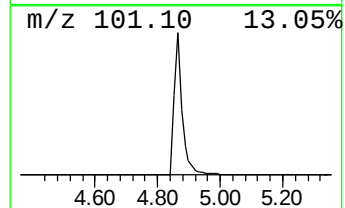
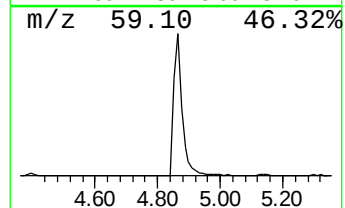
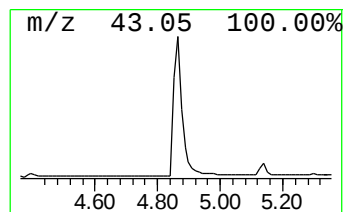
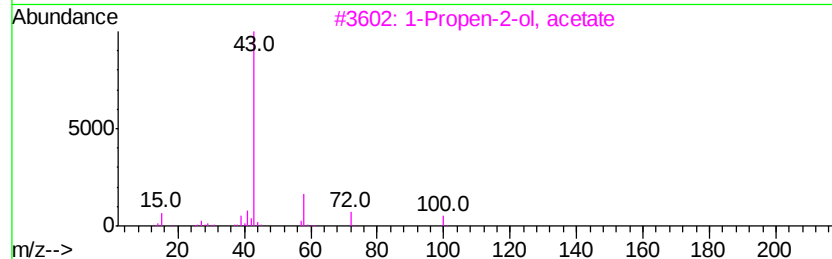
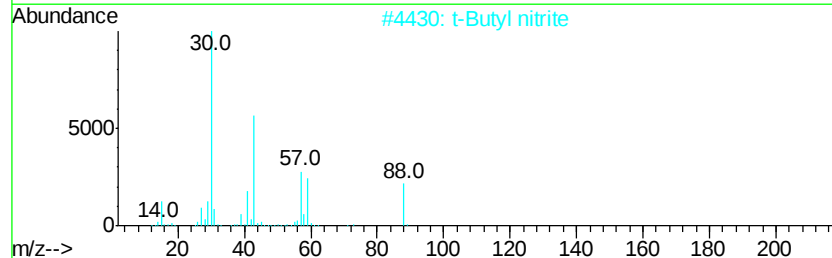
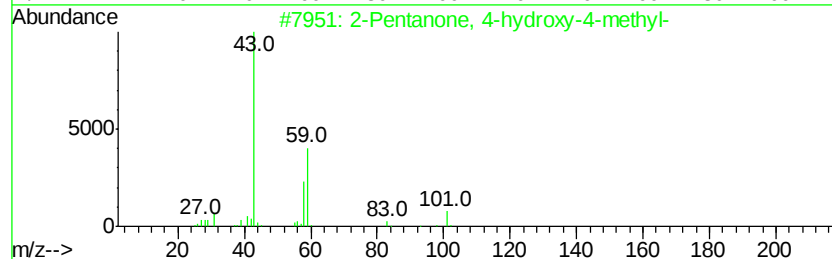
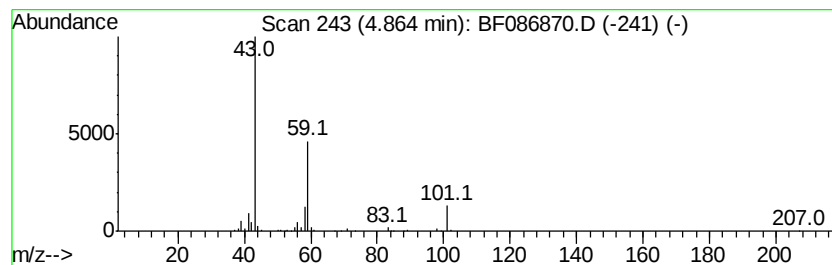
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.86 | 21.14 ng | 1069870 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | t-Butyl nitrite                  | 103 | C4H9NO2 | 000540-80-7 | 39   |
| 3    |    | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 10   |
| 4    |    | Diacetamide                      | 101 | C4H7NO2 | 000625-77-4 | 9    |
| 5    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |



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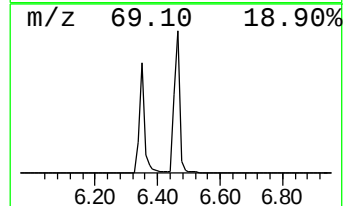
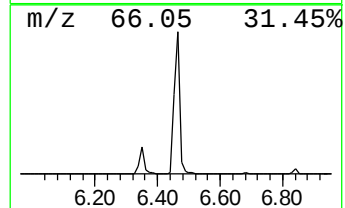
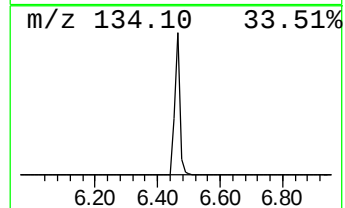
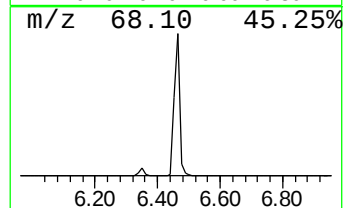
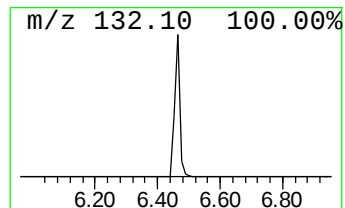
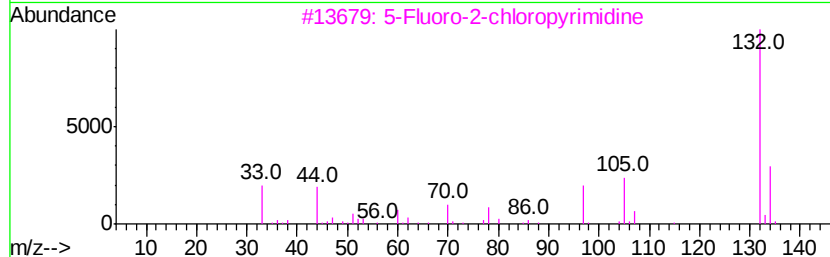
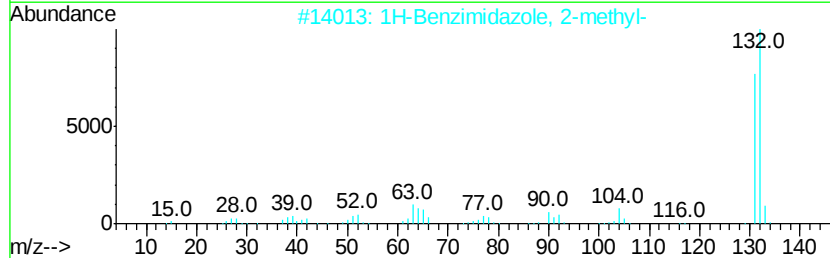
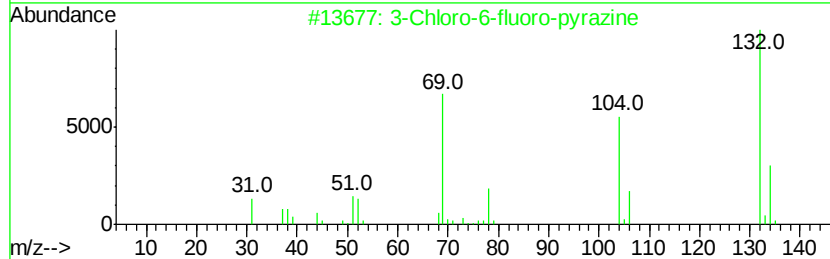
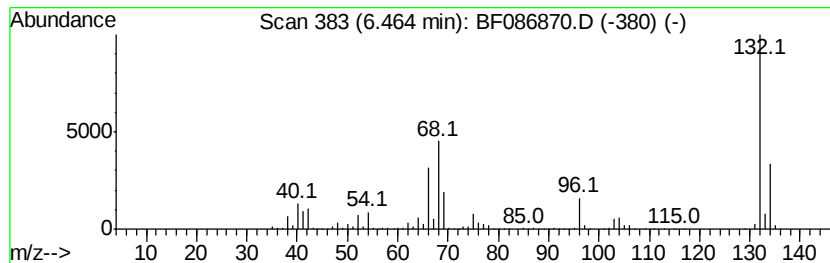
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown6.46 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.46 | 94.28 ng | 4772020 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of                               | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|----------------------------------|--------------|-----------|--------------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine       | 132          | C4H2ClFN2 | 1000146-10-7 | 27   |      |
| 2    | 1H-Benzimidazole, 2-methyl-      | 132          | C8H8N2    | 000615-15-6  | 22   |      |
| 3    | 5-Fluoro-2-chloropyrimidine      | 132          | C4H2ClFN2 | 062802-42-0  | 16   |      |
| 4    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132          | C8H8N2    | 1000241-93-9 | 10   |      |
| 5    | Benzene, 1,2,4-trifluoro-        | 132          | C6H3F3    | 000367-23-7  | 9    |      |



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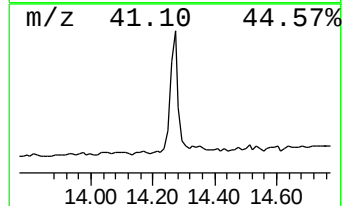
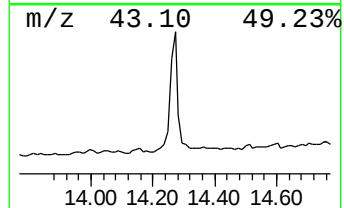
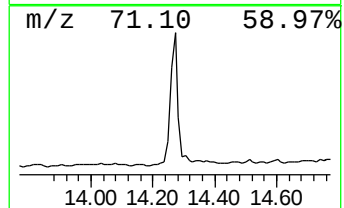
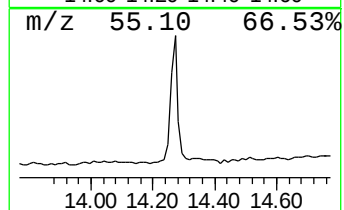
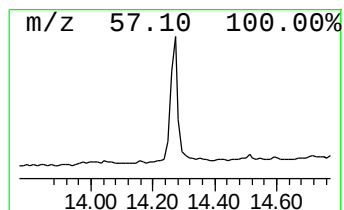
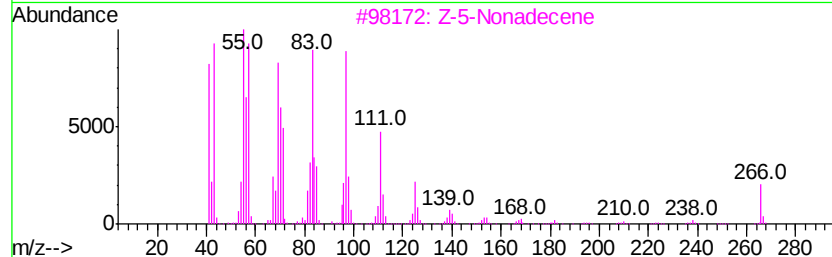
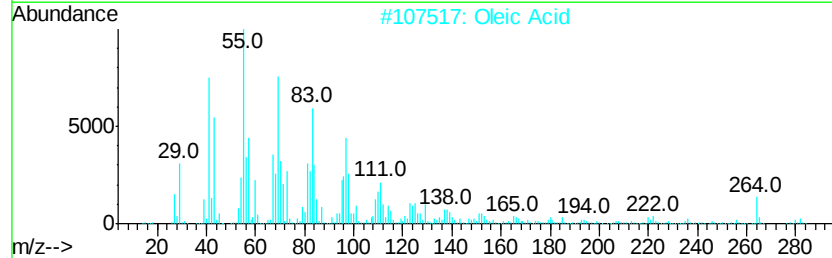
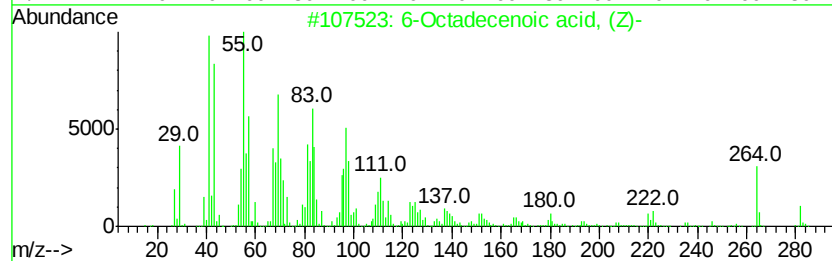
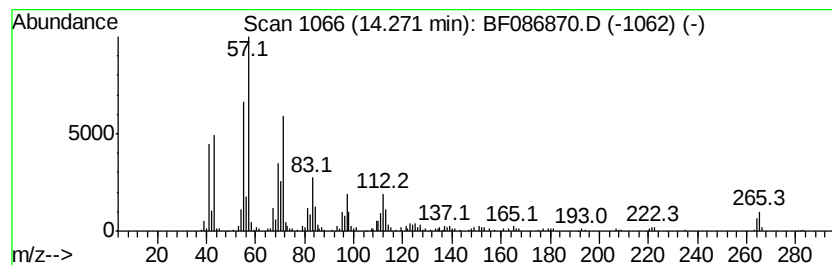
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown14.27 Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.27 | 11.00 ng | 466814 | Chrysene-d12     | 13.83 |

| Hit# of 5 | Tentative ID              | MW  | MolForm  | CAS#         | Qual |
|-----------|---------------------------|-----|----------|--------------|------|
| 1         | 6-Octadecenoic acid, (Z)- | 282 | C18H34O2 | 000593-39-5  | 38   |
| 2         | Oleic Acid                | 282 | C18H34O2 | 000112-80-1  | 38   |
| 3         | Z-5-Nonadecene            | 266 | C19H38   | 1000131-11-8 | 38   |
| 4         | Octane, 1,1'-oxybis-      | 242 | C16H34O  | 000629-82-3  | 27   |
| 5         | 1-Hexadecanol, 2-methyl-  | 256 | C17H36O  | 002490-48-4  | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051016\  
Data File : BF086870.D  
Acq On : 10 May 2016 20:10  
Operator : UM/SJ  
Sample : H2945-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.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 |
| n-Propyl acetate     | 2.43  | 2.8     | ng    | 141976   | 1                     | 6.68  | 1012260 | 20.0 |
| 3-Penten-2-one, 4... | 4.17  | 5.3     | ng    | 268539   | 1                     | 6.68  | 1012260 | 20.0 |
| 2-Pentanone, 4-hy... | 4.86  | 21.1    | ng    | 1069870  | 1                     | 6.68  | 1012260 | 20.0 |
| unknown6.46          | 6.46  | 94.3    | ng    | 4772020  | 1                     | 6.68  | 1012260 | 20.0 |
| unknown14.27         | 14.27 | 11.0    | ng    | 466814   | 5                     | 13.83 | 849105  | 20.0 |