

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012516\  
 Data File : BF084612.D  
 Acq On : 25 Jan 2016 17:31  
 Operator : SJ/IZ  
 Sample : H1201-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

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-BF123115.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         | 4.201       | 183           | 185         | 189          | rBV      | 292694         | 423418        | 5.42%           | 0.800%        |
| 2         | 4.899       | 243           | 246         | 249          | rBV      | 1479181        | 1804716       | 23.12%          | 3.412%        |
| 3         | 5.333       | 282           | 284         | 287          | rBV      | 2581930        | 2490170       | 31.90%          | 4.708%        |
| 4         | 5.733       | 317           | 319         | 322          | rBV      | 351720         | 341165        | 4.37%           | 0.645%        |
| 5         | 6.385       | 373           | 376         | 378          | rBV      | 1449385        | 1716424       | 21.99%          | 3.245%        |
| 6         | 6.510       | 384           | 387         | 389          | rBV      | 4537715        | 4971955       | 63.69%          | 9.400%        |
| 7         | 6.579       | 391           | 393         | 395          | rVB      | 246347         | 236591        | 3.03%           | 0.447%        |
| 8         | 6.739       | 404           | 407         | 409          | rBV      | 929450         | 982077        | 12.58%          | 1.857%        |
| 9         | 6.899       | 418           | 421         | 423          | rBV      | 3672776        | 4859603       | 62.25%          | 9.187%        |
| 10        | 7.310       | 453           | 457         | 459          | rBV      | 4203714        | 5005369       | 64.11%          | 9.463%        |
| 11        | 8.019       | 517           | 519         | 522          | rBV      | 1880985        | 1698632       | 21.76%          | 3.211%        |
| 12        | 8.979       | 599           | 603         | 609          | rBV      | 71399          | 85205         | 1.09%           | 0.161%        |
| 13        | 9.105       | 611           | 614         | 616          | rBV      | 7631680        | 7576368       | 97.05%          | 14.323%       |
| 14        | 9.711       | 661           | 667         | 670          | rBV2     | 39537          | 82417         | 1.06%           | 0.156%        |
| 15        | 9.768       | 670           | 672         | 675          | rVB      | 1539105        | 1909502       | 24.46%          | 3.610%        |
| 16        | 10.213      | 708           | 711         | 713          | rVB2     | 74524          | 102078        | 1.31%           | 0.193%        |
| 17        | 10.568      | 738           | 742         | 744          | rBV      | 4349099        | 5478357       | 70.17%          | 10.357%       |
| 18        | 10.682      | 751           | 752         | 757          | rVB      | 51137          | 79083         | 1.01%           | 0.150%        |
| 19        | 11.254      | 799           | 802         | 804          | rBV      | 2440517        | 2075528       | 26.59%          | 3.924%        |
| 20        | 12.842      | 938           | 941         | 944          | rBV      | 6133582        | 7807060       | 100.00%         | 14.759%       |
| 21        | 13.882      | 1029          | 1032        | 1034         | rBV      | 2109985        | 1878259       | 24.06%          | 3.551%        |
| 22        | 15.265      | 1151          | 1153        | 1156         | rBV      | 854766         | 1291288       | 16.54%          | 2.441%        |

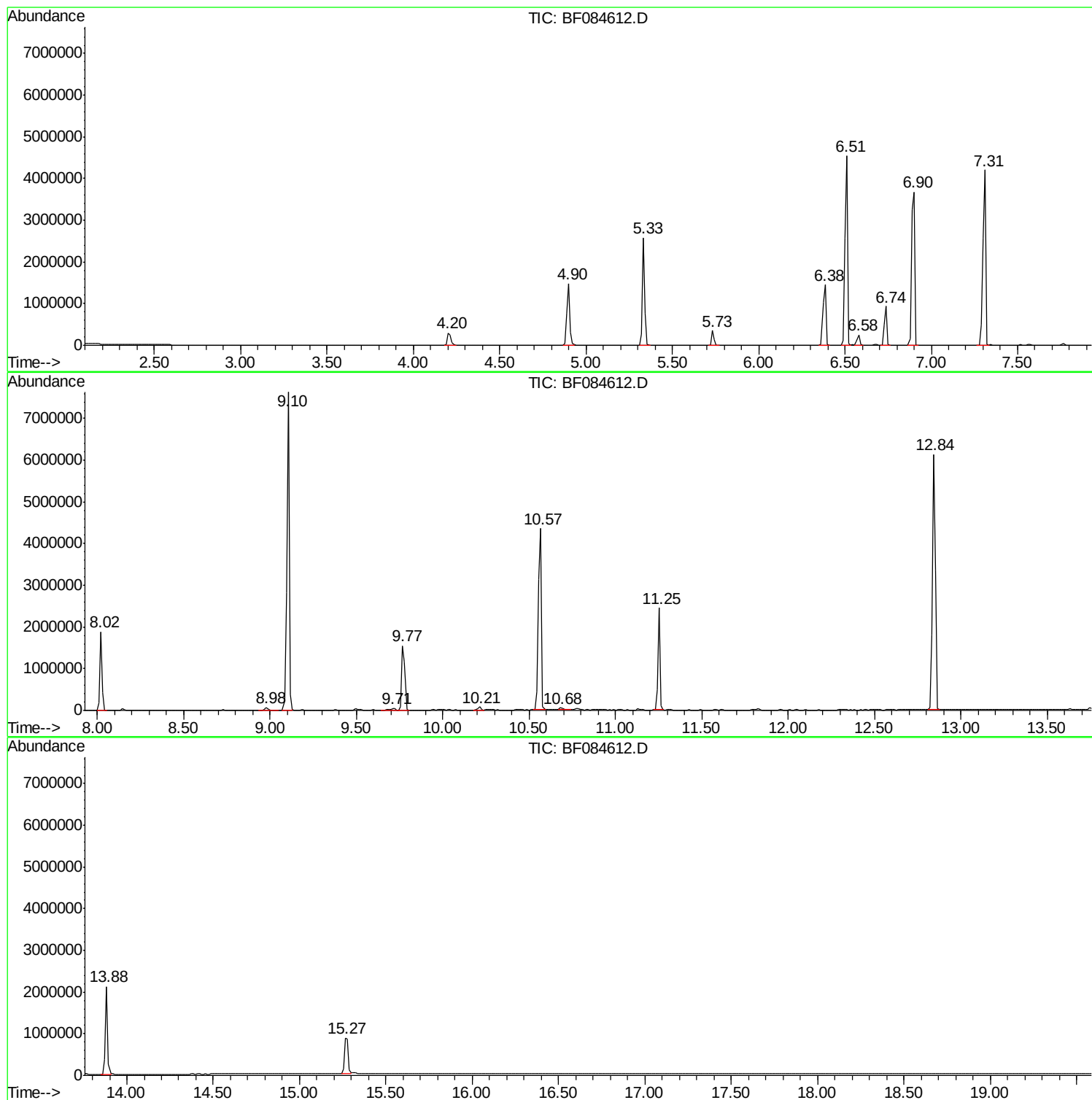
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
MW-05

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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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MW-05

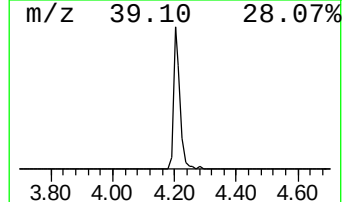
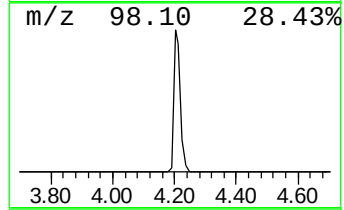
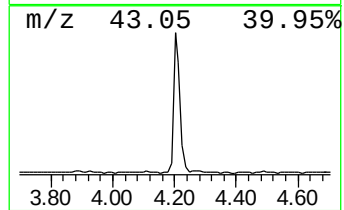
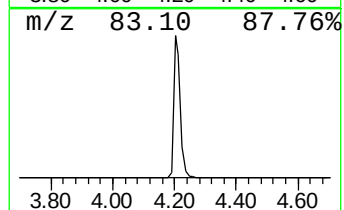
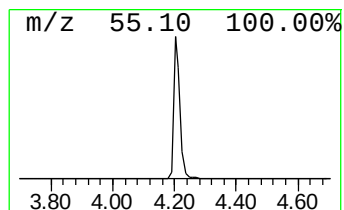
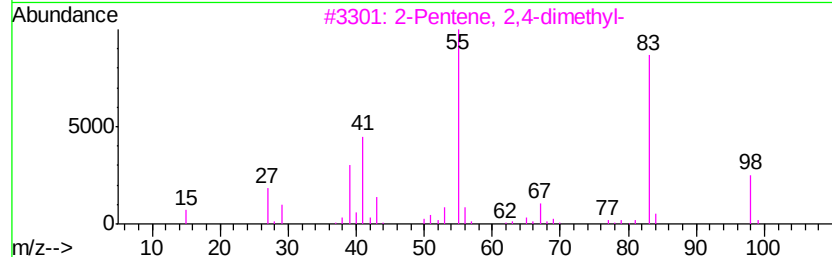
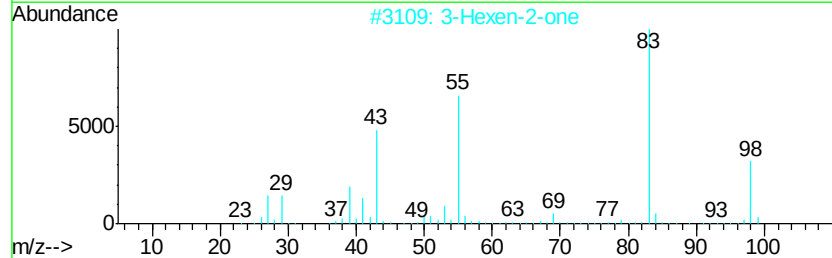
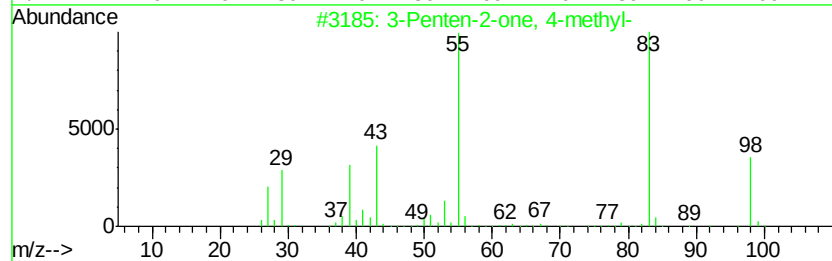
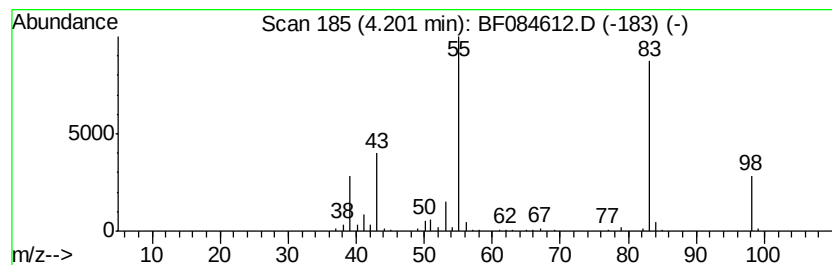
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.20 | 8.62 ng | 423418 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------|----|---------|--------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7  | 91   |
| 2    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9  | 86   |
| 3    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0  | 78   |
| 4    |    |   | 3,4-Dimethyl-2-pentene(c,t)    | 98 | C7H14   | 1000118-16-5 | 78   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5  | 78   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
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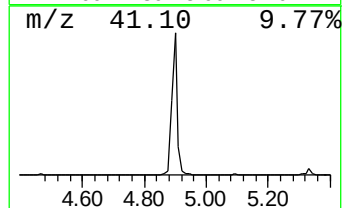
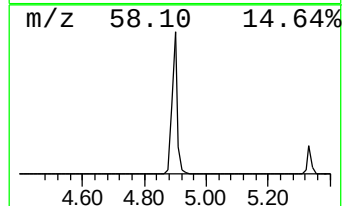
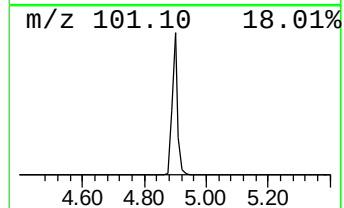
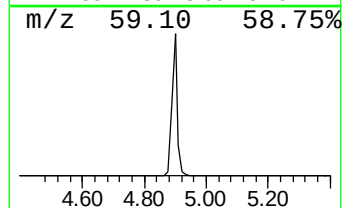
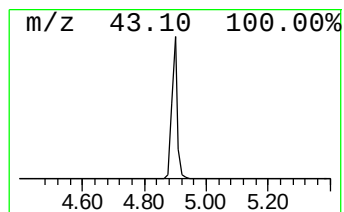
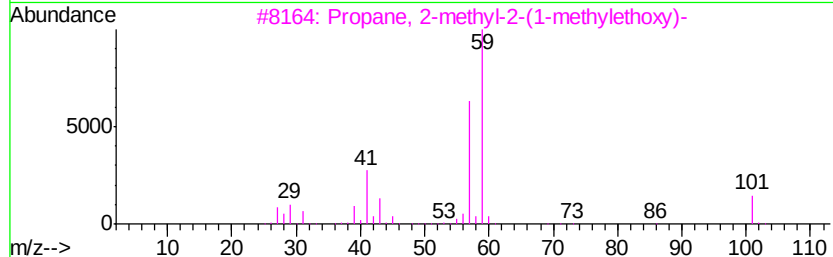
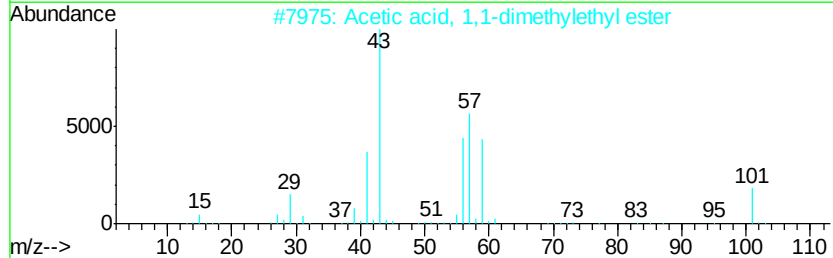
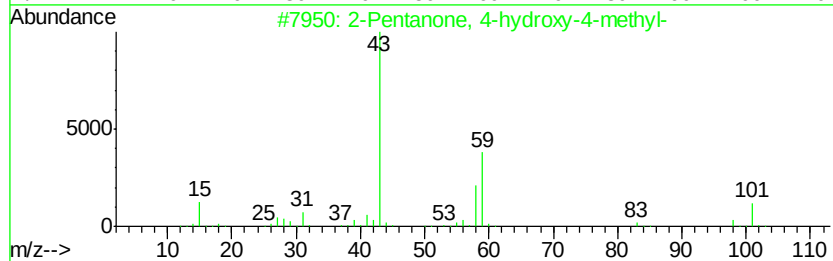
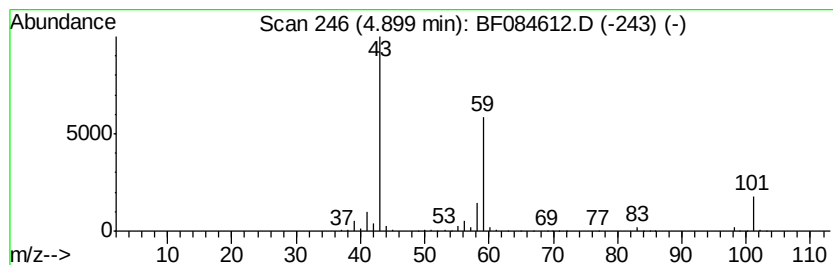
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.90 | 36.75 ng | 1804720 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Acetic acid, 1,1-dimethylethyl ester  | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O  | 017348-59-3 | 33   |
| 4    |    | 2-Hexanol, 2-methyl-                  | 116 | C7H16O  | 000625-23-0 | 33   |
| 5    |    | 3-Hexanol, 4-methyl-                  | 116 | C7H16O  | 000615-29-2 | 33   |



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Instrument :  
BNA\_F  
ClientSampled :  
MW-05

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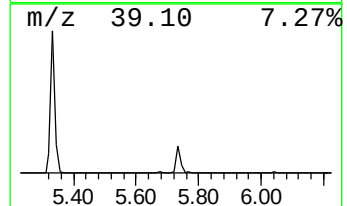
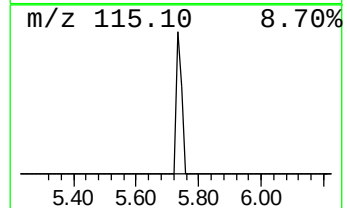
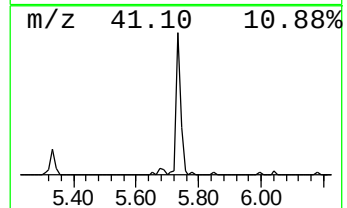
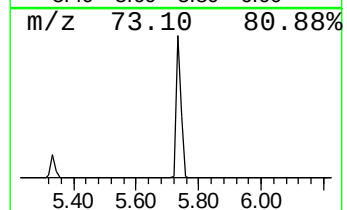
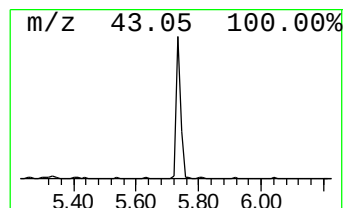
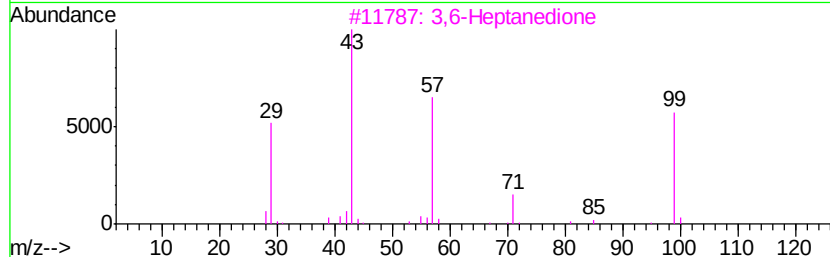
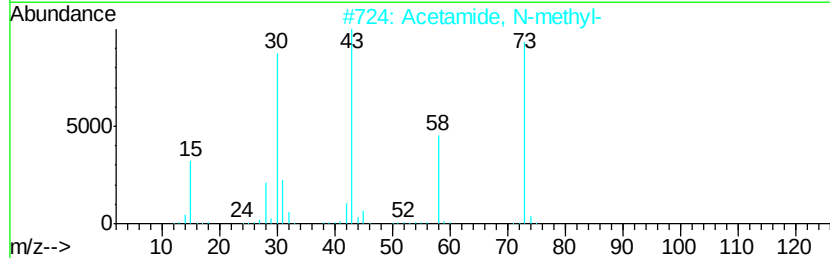
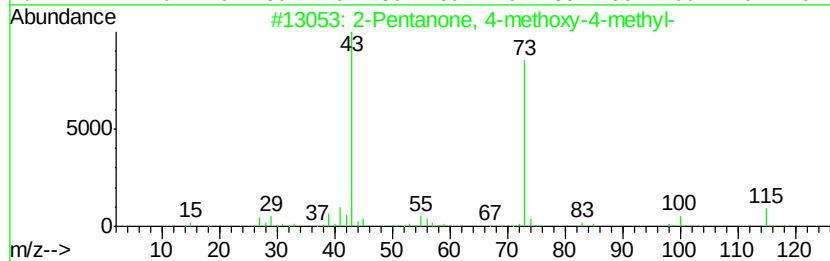
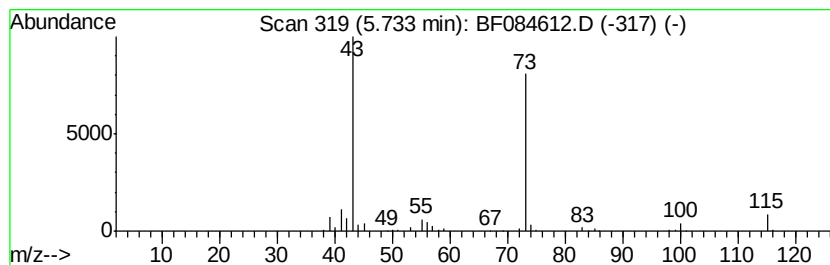
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.73 | 6.95 ng | 341165 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-methoxy-4-methyl-    | 130 | C7H14O2    | 000107-70-0 | 83   |
| 2    |    | Acetamide, N-methyl-                | 73  | C3H7NO     | 000079-16-3 | 32   |
| 3    |    | 3,6-Heptanedione                    | 128 | C7H12O2    | 001703-51-1 | 25   |
| 4    |    | 3-Hexanol, 2-methyl-                | 116 | C7H16O     | 000617-29-8 | 17   |
| 5    |    | N,N'-Bis(2-methyl-2-nitrosopenta... | 258 | C12H22N2O4 | 094514-30-4 | 12   |



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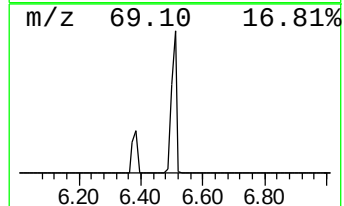
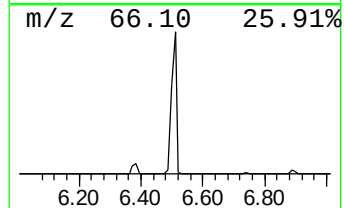
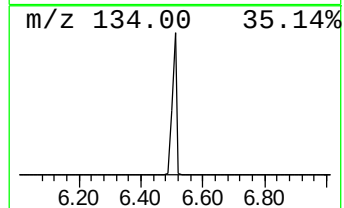
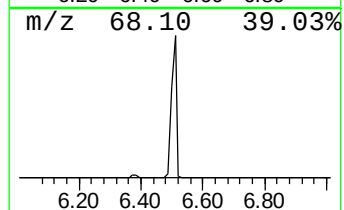
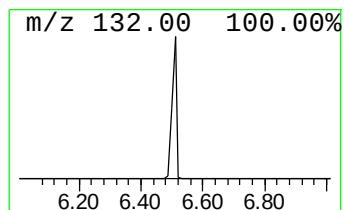
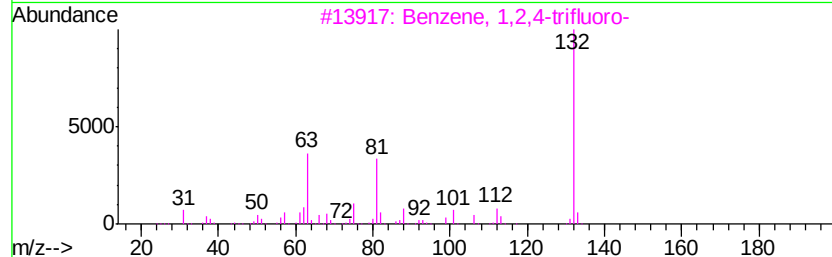
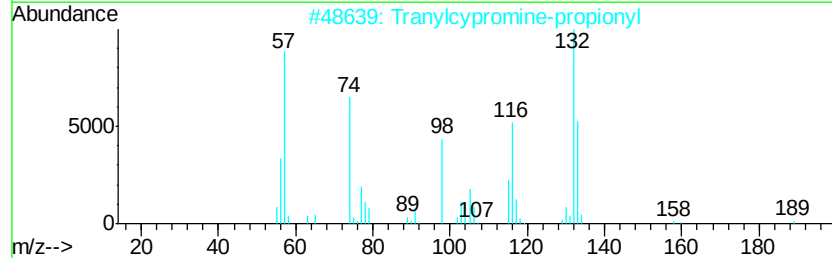
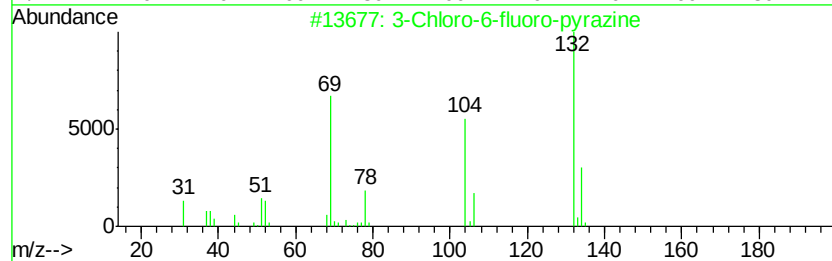
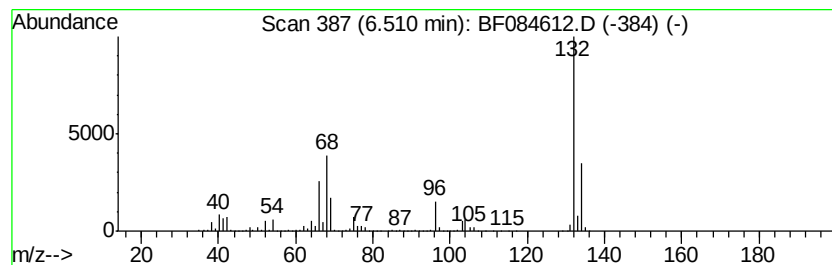
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TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 4 unknown6.51 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.51 | 101.25 ng | 4971960 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Benzene, 1,2,4-trifluoro-           | 132 | C6H3F3    | 000367-23-7  | 9    |
| 4    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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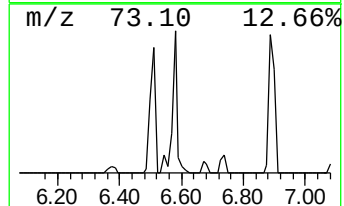
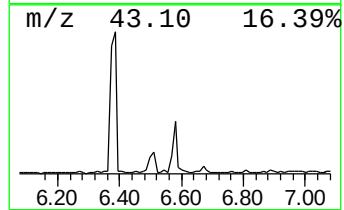
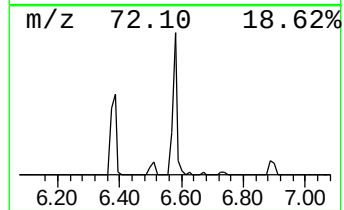
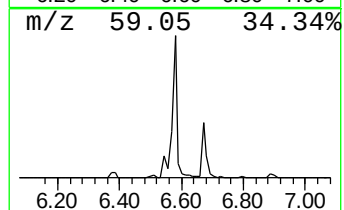
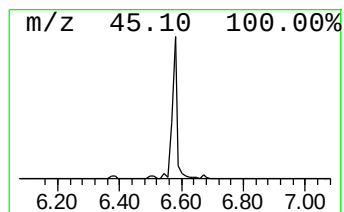
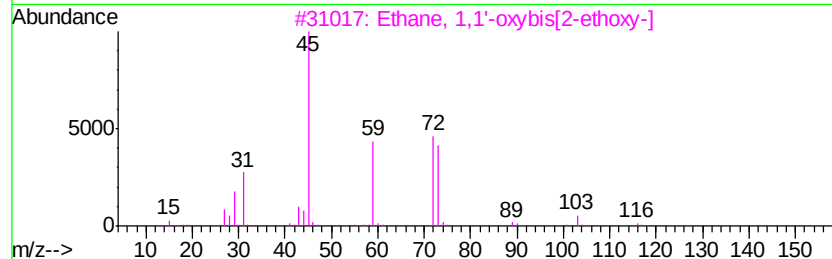
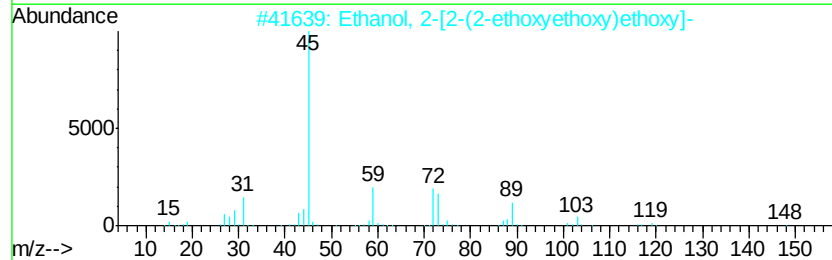
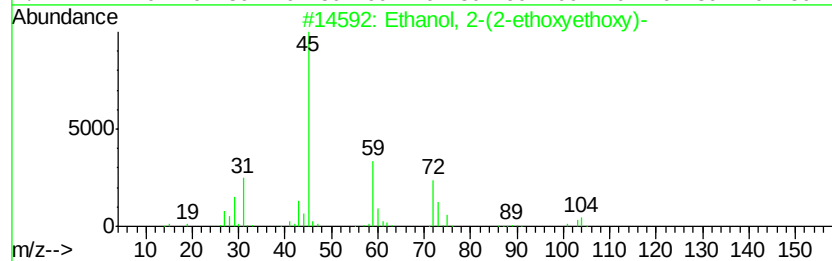
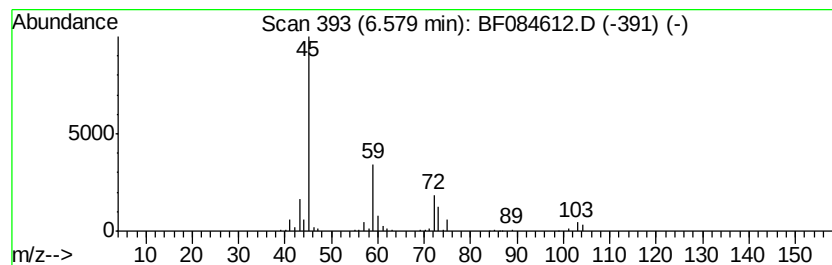
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.58 | 4.82 ng | 236591 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxvethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 90   |
| 2    |    | Ethanol, 2-[2-(2-ethoxvethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 72   |
| 3    |    | Ethane, 1,1'-oxvbis[2-ethoxv-]      | 162 | C8H18O3 | 000112-36-7 | 64   |
| 4    |    | Ethyl ether                         | 74  | C4H10O  | 000060-29-7 | 42   |
| 5    |    | 2-Propanol, 1-(1-methylethoxy)-     | 118 | C6H14O2 | 003944-36-3 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012516\  
Data File : BF084612.D  
Acq On : 25 Jan 2016 17:31  
Operator : SJ/IZ  
Sample : H1201-07  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-05

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.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 |
| 3-Penten-2-one, 4... | 4.20 | 8.6     | ng    | 423418   | 1                     | 6.74 | 982077 | 20.0 |
| 2-Pentanone, 4-hy... | 4.90 | 36.8    | ng    | 1804720  | 1                     | 6.74 | 982077 | 20.0 |
| 2-Pentanone, 4-me... | 5.73 | 7.0     | ng    | 341165   | 1                     | 6.74 | 982077 | 20.0 |
| unknown6.51          | 6.51 | 101.3   | ng    | 4971960  | 1                     | 6.74 | 982077 | 20.0 |
| Ethanol, 2-(2-eth... | 6.58 | 4.8     | ng    | 236591   | 1                     | 6.74 | 982077 | 20.0 |