

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112515\  
 Data File : BF083271.D  
 Acq On : 25 Nov 2015 13:58  
 Operator : UM/IZ  
 Sample : G4553-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112015-A263-E-D-M

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-BF112115.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         | 3.975       | 172           | 174         | 182          | rBV      | 66684          | 137936        | 2.35%           | 0.372%        |
| 2         | 4.696       | 235           | 237         | 252          | rVB      | 557194         | 920483        | 15.70%          | 2.484%        |
| 3         | 5.176       | 277           | 279         | 296          | rBV      | 1550598        | 1787328       | 30.48%          | 4.823%        |
| 4         | 5.587       | 312           | 315         | 324          | rBV      | 66699          | 107785        | 1.84%           | 0.291%        |
| 5         | 6.250       | 371           | 373         | 380          | rBV      | 1150822        | 1180486       | 20.13%          | 3.186%        |
| 6         | 6.353       | 380           | 382         | 385          | rBV      | 2056875        | 2944535       | 50.21%          | 7.946%        |
| 7         | 6.581       | 400           | 402         | 405          | rBV      | 822882         | 1005484       | 17.14%          | 2.713%        |
| 8         | 6.741       | 414           | 416         | 419          | rBV      | 3918835        | 3842296       | 65.52%          | 10.369%       |
| 9         | 7.164       | 450           | 453         | 455          | rBV      | 2941368        | 3729009       | 63.58%          | 10.063%       |
| 10        | 7.873       | 513           | 515         | 518          | rBV      | 1404006        | 1315074       | 22.42%          | 3.549%        |
| 11        | 8.959       | 607           | 610         | 613          | rBV      | 6030286        | 5864608       | 100.00%         | 15.826%       |
| 12        | 9.359       | 643           | 645         | 650          | rVB      | 59453          | 64493         | 1.10%           | 0.174%        |
| 13        | 9.622       | 666           | 668         | 671          | rBV      | 1577524        | 1508078       | 25.71%          | 4.070%        |
| 14        | 10.410      | 734           | 737         | 739          | rBV      | 2702197        | 2609960       | 44.50%          | 7.043%        |
| 15        | 11.096      | 795           | 797         | 800          | rBV      | 1780008        | 1559638       | 26.59%          | 4.209%        |
| 16        | 11.656      | 844           | 846         | 851          | rBV2     | 110624         | 161443        | 2.75%           | 0.436%        |
| 17        | 12.433      | 912           | 914         | 919          | rBV      | 154695         | 188223        | 3.21%           | 0.508%        |
| 18        | 12.685      | 933           | 936         | 939          | rBV      | 5153685        | 5408789       | 92.23%          | 14.596%       |
| 19        | 13.599      | 1012          | 1016        | 1021         | rBV2     | 63312          | 108314        | 1.85%           | 0.292%        |
| 20        | 13.725      | 1024          | 1027        | 1029         | rBV      | 1208279        | 1517968       | 25.88%          | 4.096%        |
| 21        | 15.074      | 1142          | 1145        | 1148         | rBV      | 931356         | 1095366       | 18.68%          | 2.956%        |

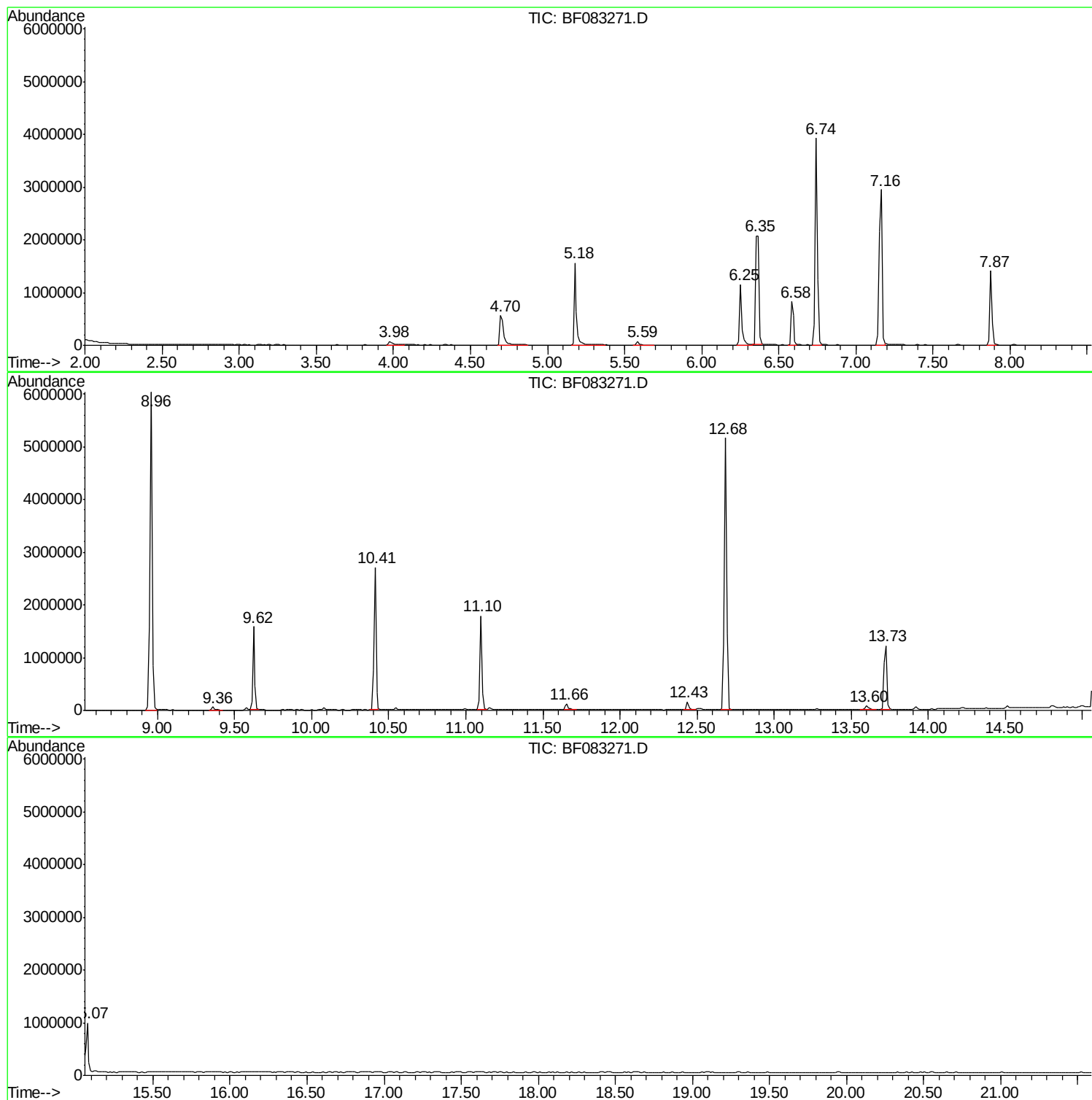
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\  
Data File : BF083271.D  
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Operator : UM/IZ  
Sample : G4553-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
112015-A263-E-D-M

Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.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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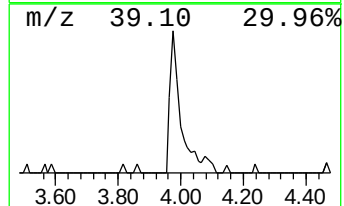
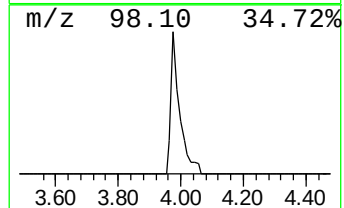
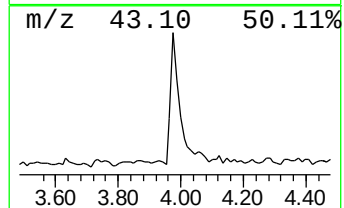
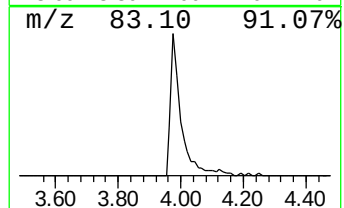
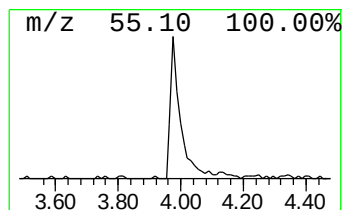
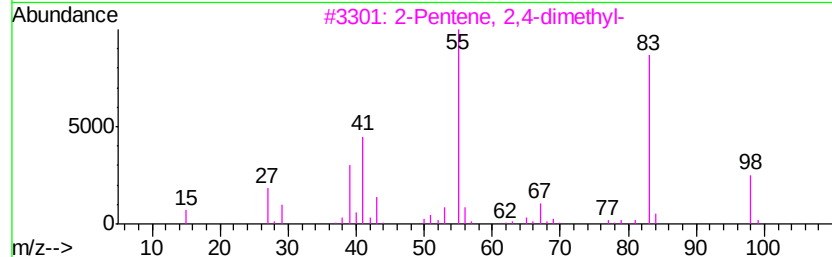
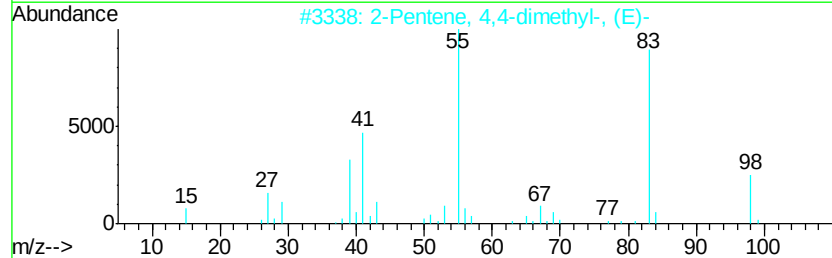
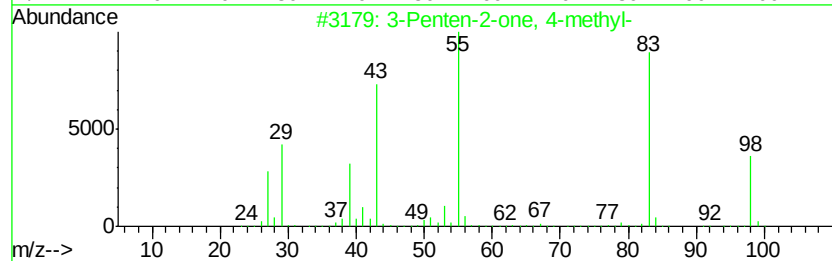
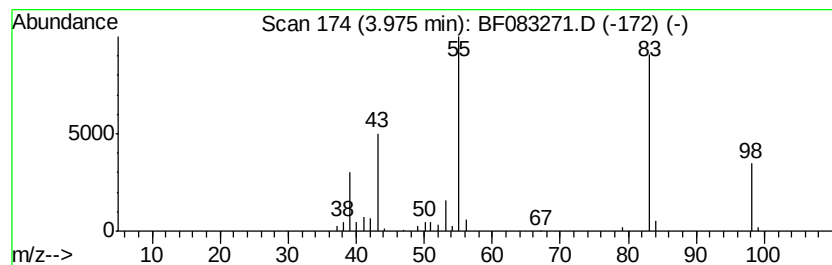
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.98 | 2.74 ng | 137936 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    |   | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14   | 000690-08-4 | 86   |
| 3    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 86   |
| 4    |    |   | 2-Pentene, 3,4-dimethyl-       | 98 | C7H14   | 024910-63-2 | 72   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 72   |



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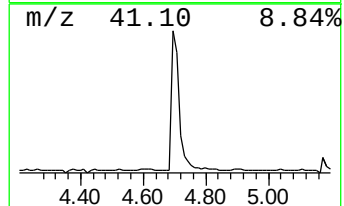
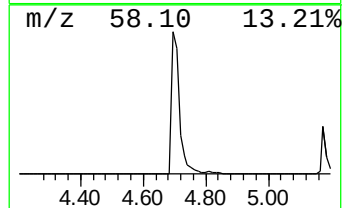
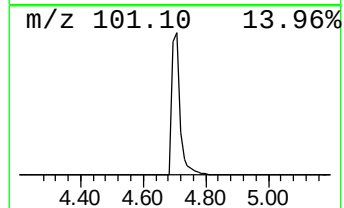
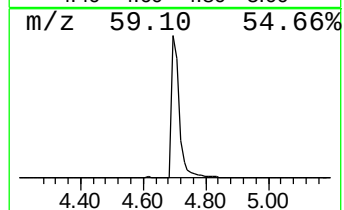
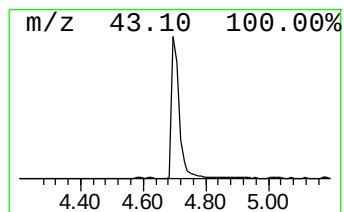
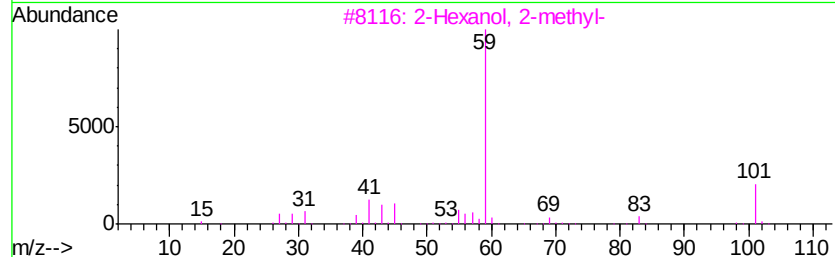
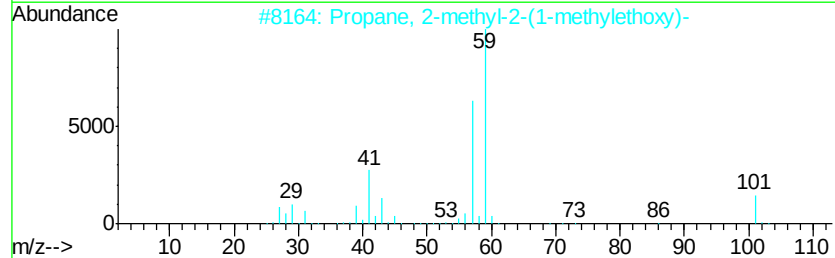
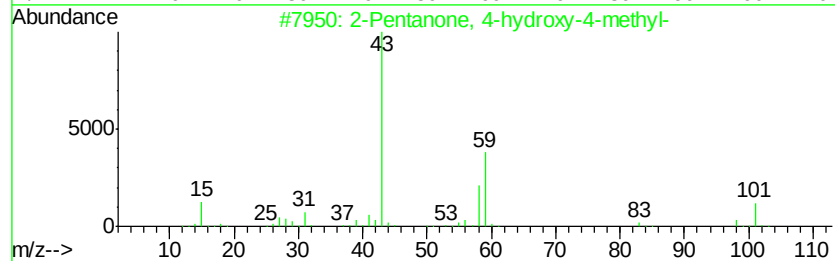
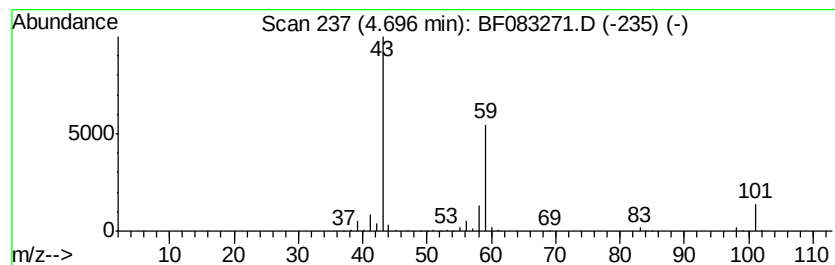
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.70 | 18.31 ng | 920483 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-      | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    | Propane, 2-methyl-2-(1-methylethoxy)- | 116 | C7H16O  | 017348-59-3 | 36   |
| 3    |    | 2-Hexanol, 2-methyl-                  | 116 | C7H16O  | 000625-23-0 | 33   |
| 4    |    | 3-Hexanol, 4-methyl-                  | 116 | C7H16O  | 000615-29-2 | 33   |
| 5    |    | 3-Hexanol                             | 102 | C6H14O  | 000623-37-0 | 33   |



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Quant Method : Z:\HPCHEM1\BNA\_F\Methods\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

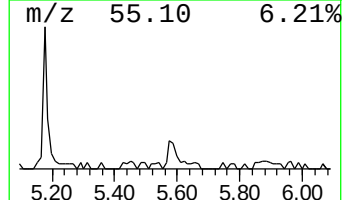
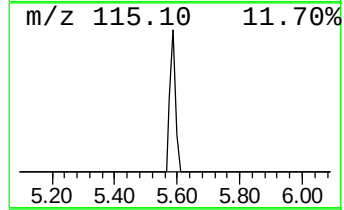
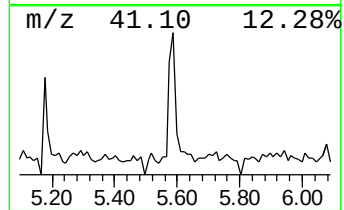
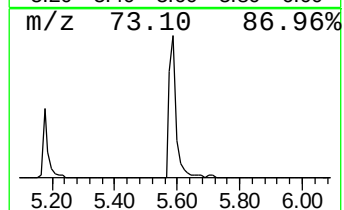
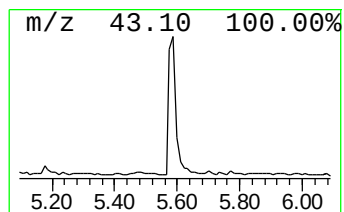
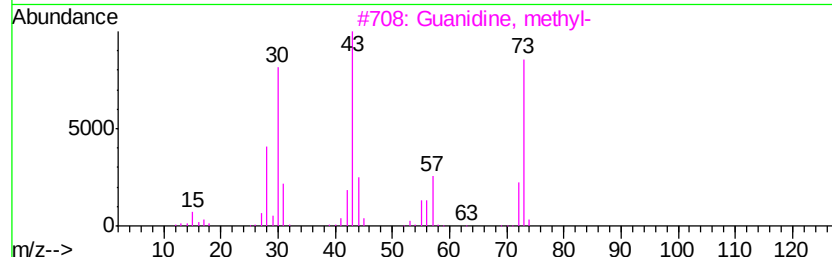
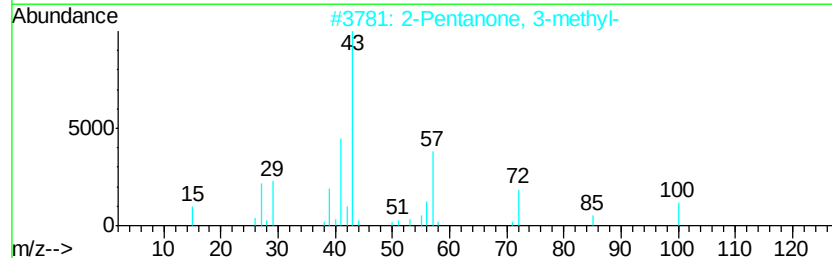
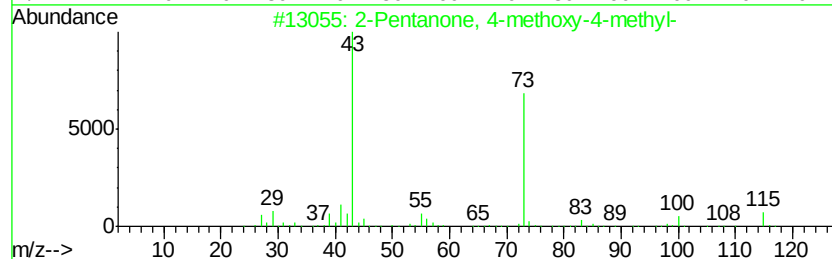
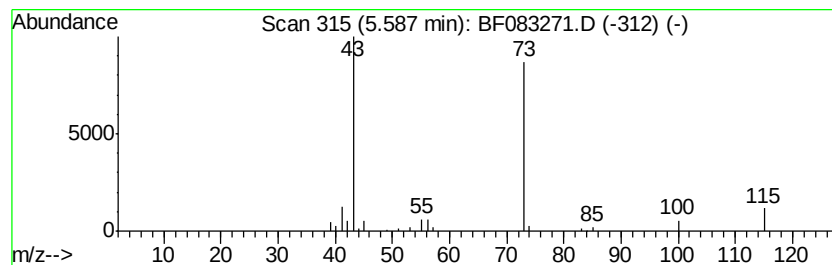
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.59 | 2.14 ng | 107785 | 1,4-Dichlorobenzene-d4 | 6.58 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-methoxy-4-methyl-   | 130 | C7H14O2 | 000107-70-0 | 83   |
| 2    |    | 2-Pentanone, 3-methyl-             | 100 | C6H12O  | 000565-61-7 | 9    |
| 3    |    | Guanidine, methyl-                 | 73  | C2H7N3  | 000471-29-4 | 9    |
| 4    |    | Hexane, 1-propoxy-                 | 144 | C9H20O  | 053685-78-2 | 9    |
| 5    |    | Butane, 2-methoxy-2,3,3-trimethyl- | 130 | C8H18O  | 027705-21-1 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
112015-A263-E-D-M

Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

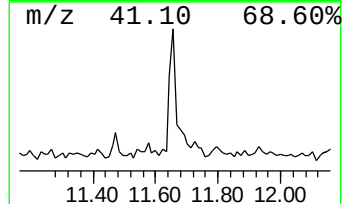
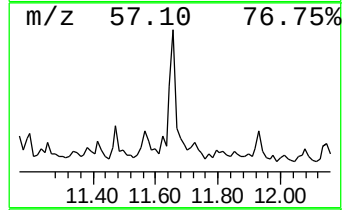
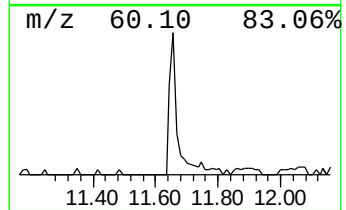
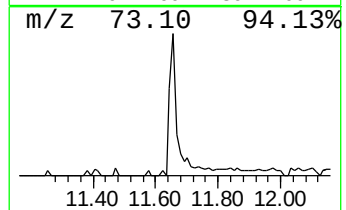
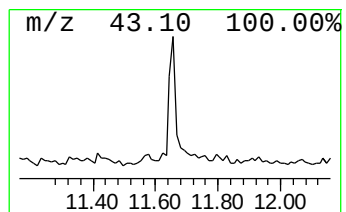
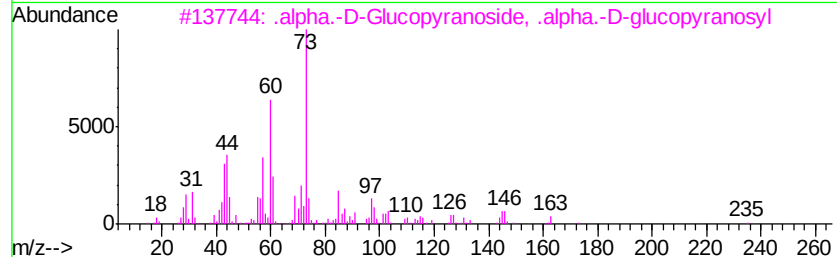
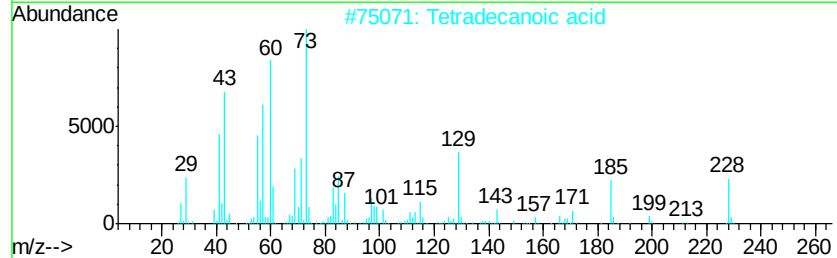
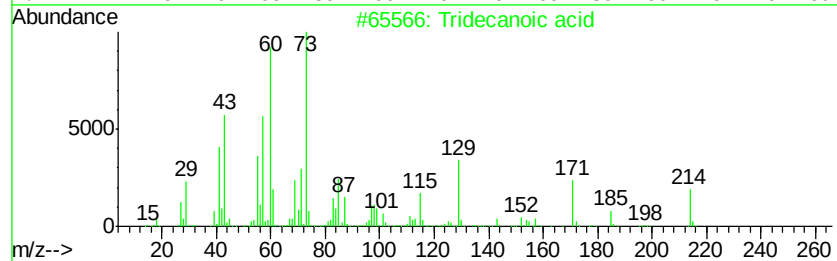
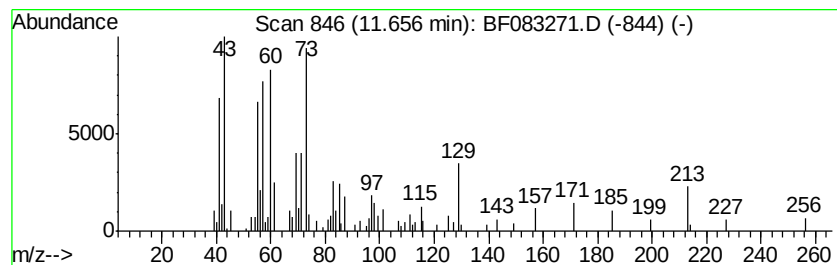
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tridecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.66 | 2.07 ng | 161443 | Phenanthrene-d10 | 11.10 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-----------|-------------|------|
| 1       |   | Tridecanoic acid                    | 214 | C13H26O2  | 000638-53-9 | 76   |
| 2       |   | Tetradecanoic acid                  | 228 | C14H28O2  | 000544-63-8 | 72   |
| 3       |   | .alpha.-D-Glucopyranoside, .alph... | 342 | C12H22O11 | 000099-20-7 | 35   |
| 4       |   | n-Hexadecanoic acid                 | 256 | C16H32O2  | 000057-10-3 | 27   |
| 5       |   | Decane                              | 142 | C10H22    | 000124-18-5 | 11   |



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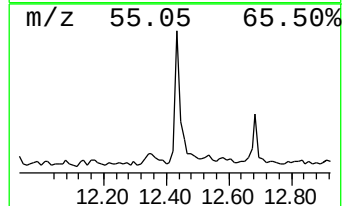
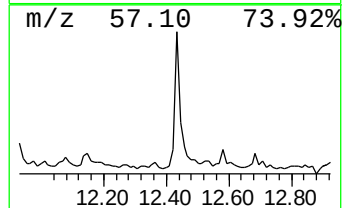
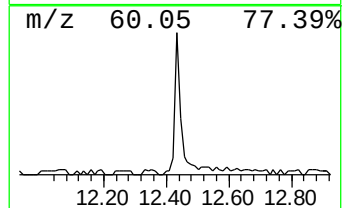
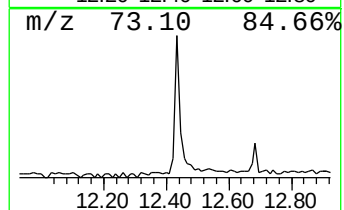
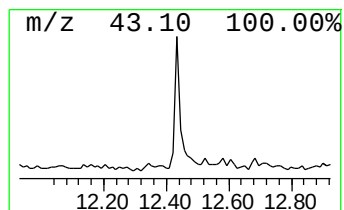
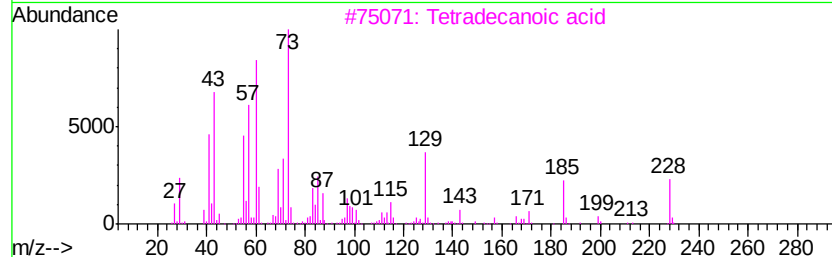
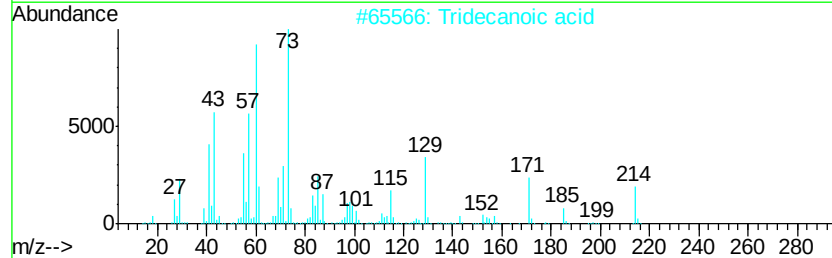
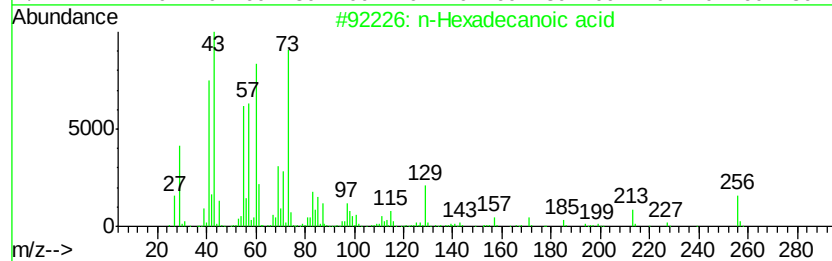
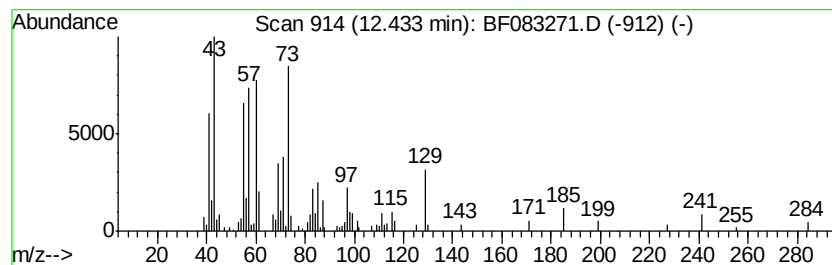
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\*\*\*\*\*  
Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc                         | Area   | Relative to ISTD | R.T.         |      |
|-----------|---------------------------------|--------|------------------|--------------|------|
| 12.43     | 2.48 ng                         | 188223 | Chrysene-d12     | 13.73        |      |
| Hit# of 5 | Tentative ID                    | MW     | MolForm          | CAS#         | Qual |
| 1         | n-Hexadecanoic acid             | 256    | C16H32O2         | 000057-10-3  | 80   |
| 2         | Tridecanoic acid                | 214    | C13H26O2         | 000638-53-9  | 80   |
| 3         | Tetradecanoic acid              | 228    | C14H28O2         | 000544-63-8  | 72   |
| 4         | Methyl-.alpha.-d-ribofuranoside | 164    | C6H12O5          | 1000129-83-1 | 43   |
| 5         | Pentadecanoic acid              | 242    | C15H30O2         | 001002-84-2  | 38   |



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ClientSampleId :  
112015-A263-E-D-M

Quant Method : Z:\HPCHEM1\BNA\_F\Methods\8270-BF112115.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... | 3.98  | 2.7     | ng    | 137936   | 1                     | 6.58  | 1005480 | 20.0 |
| 2-Pentanone, 4-hy... | 4.70  | 18.3    | ng    | 920483   | 1                     | 6.58  | 1005480 | 20.0 |
| 2-Pentanone, 4-me... | 5.59  | 2.1     | ng    | 107785   | 1                     | 6.58  | 1005480 | 20.0 |
| Tridecanoic acid     | 11.66 | 2.1     | ng    | 161443   | 4                     | 11.10 | 1559640 | 20.0 |
| n-Hexadecanoic acid  | 12.43 | 2.5     | ng    | 188223   | 5                     | 13.73 | 1517970 | 20.0 |