

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071415\  
 Data File : BF080485.D  
 Acq On : 15 Jul 2015 11:33  
 Operator : TP/UM  
 Sample : G2973-15  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10S

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\_F\METHODS\8270-BF071415.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         | 2.155       | 3             | 6           | 14           | rBV      | 357177         | 686999        | 100.00%         | 10.227%       |
| 2         | 2.270       | 14            | 16          | 29           | rVB      | 134312         | 220887        | 32.15%          | 3.288%        |
| 3         | 2.430       | 29            | 30          | 34           | rVB2     | 5226           | 7774          | 1.13%           | 0.116%        |
| 4         | 4.739       | 231           | 232         | 239          | rBB2     | 3503           | 8498          | 1.24%           | 0.126%        |
| 5         | 5.333       | 282           | 284         | 301          | rBV      | 262091         | 336953        | 49.05%          | 5.016%        |
| 6         | 5.756       | 319           | 321         | 330          | rBV      | 445877         | 429588        | 62.53%          | 6.395%        |
| 7         | 6.133       | 353           | 354         | 360          | rBV      | 16681          | 26285         | 3.83%           | 0.391%        |
| 8         | 6.762       | 407           | 409         | 419          | rBV      | 528088         | 505315        | 73.55%          | 7.522%        |
| 9         | 6.899       | 419           | 421         | 423          | rBV      | 650952         | 521493        | 75.91%          | 7.763%        |
| 10        | 7.127       | 439           | 441         | 443          | rBV      | 128359         | 144252        | 21.00%          | 2.147%        |
| 11        | 7.276       | 453           | 454         | 457          | rBV      | 233307         | 288625        | 42.01%          | 4.296%        |
| 12        | 7.687       | 488           | 490         | 492          | rBV      | 376393         | 302319        | 44.01%          | 4.500%        |
| 13        | 8.407       | 551           | 553         | 556          | rBV      | 232189         | 213796        | 31.12%          | 3.183%        |
| 14        | 9.482       | 645           | 647         | 650          | rBV      | 585160         | 465295        | 67.73%          | 6.926%        |
| 15        | 9.882       | 680           | 682         | 684          | rBV      | 134236         | 107009        | 15.58%          | 1.593%        |
| 16        | 10.168      | 705           | 707         | 710          | rBB      | 245471         | 247260        | 35.99%          | 3.681%        |
| 17        | 10.568      | 740           | 742         | 744          | rBB      | 6621           | 7375          | 1.07%           | 0.110%        |
| 18        | 10.956      | 774           | 776         | 779          | rBV2     | 257250         | 325101        | 47.32%          | 4.839%        |
| 19        | 11.048      | 782           | 784         | 786          | rBB      | 6776           | 9965          | 1.45%           | 0.148%        |
| 20        | 11.493      | 821           | 823         | 824          | rBB      | 9825           | 7833          | 1.14%           | 0.117%        |
| 21        | 11.665      | 836           | 838         | 840          | rBV      | 325301         | 280455        | 40.82%          | 4.175%        |
| 22        | 11.916      | 858           | 860         | 862          | rBB      | 5957           | 7064          | 1.03%           | 0.105%        |
| 23        | 12.934      | 947           | 949         | 951          | rBB      | 20847          | 23340         | 3.40%           | 0.347%        |
| 24        | 13.185      | 967           | 971         | 973          | rVB      | 17983          | 22467         | 3.27%           | 0.334%        |
| 25        | 13.322      | 981           | 983         | 986          | rBV      | 521231         | 461820        | 67.22%          | 6.875%        |
| 26        | 14.579      | 1090          | 1093        | 1095         | rBV      | 262744         | 313396        | 45.62%          | 4.665%        |
| 27        | 15.140      | 1140          | 1142        | 1145         | rVB      | 74960          | 91240         | 13.28%          | 1.358%        |
| 28        | 15.574      | 1178          | 1180        | 1184         | rBV      | 6038           | 12795         | 1.86%           | 0.190%        |
| 29        | 15.722      | 1190          | 1193        | 1196         | rBV2     | 12427          | 12485         | 1.82%           | 0.186%        |
| 30        | 15.882      | 1205          | 1207        | 1210         | rBV      | 11963          | 24714         | 3.60%           | 0.368%        |
| 31        | 15.940      | 1210          | 1212        | 1215         | rVB      | 215229         | 223912        | 32.59%          | 3.333%        |
| 32        | 16.225      | 1235          | 1237        | 1239         | rVB      | 7826           | 8357          | 1.22%           | 0.124%        |
| 33        | 16.294      | 1241          | 1243        | 1246         | rVB      | 9255           | 10980         | 1.60%           | 0.163%        |
| 34        | 16.363      | 1246          | 1249        | 1252         | rBV      | 226598         | 309870        | 45.10%          | 4.613%        |

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ALS Vial : 18 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
TP-10S

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-BF071415.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 16.843 | 1289 | 1291 | 1294 | rBV  | 17579 | 22706 | 3.31% | 0.338% |
| 36 | 17.723 | 1365 | 1368 | 1372 | rVB3 | 10978 | 17628 | 2.57% | 0.262% |
| 37 | 18.020 | 1390 | 1394 | 1399 | rBV2 | 4847  | 11940 | 1.74% | 0.178% |

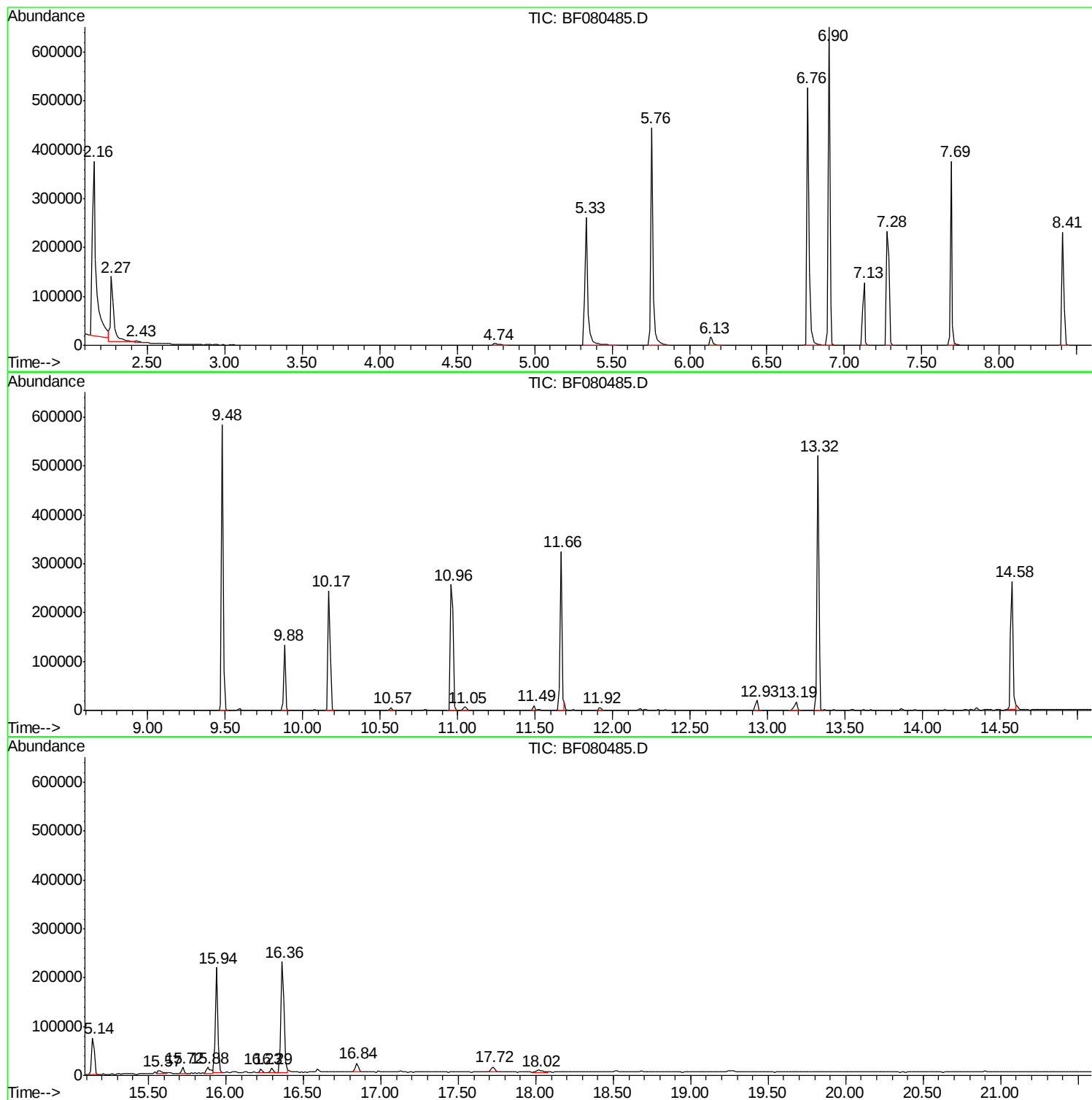
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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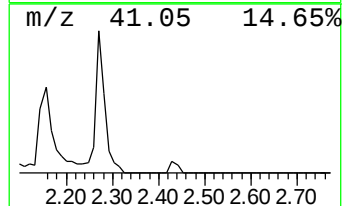
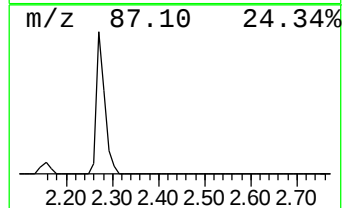
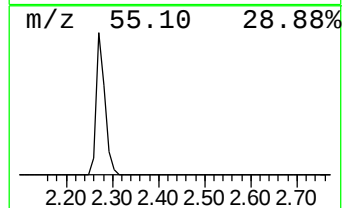
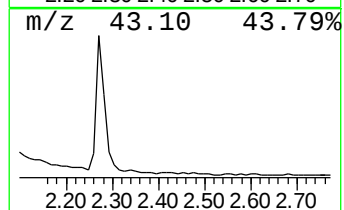
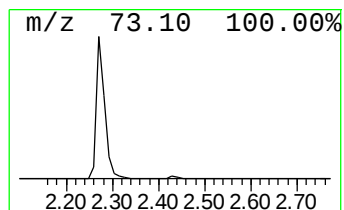
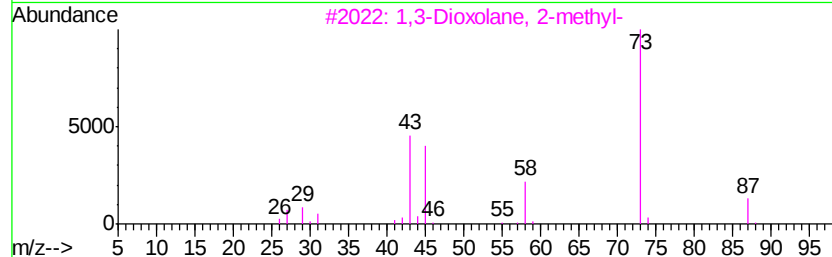
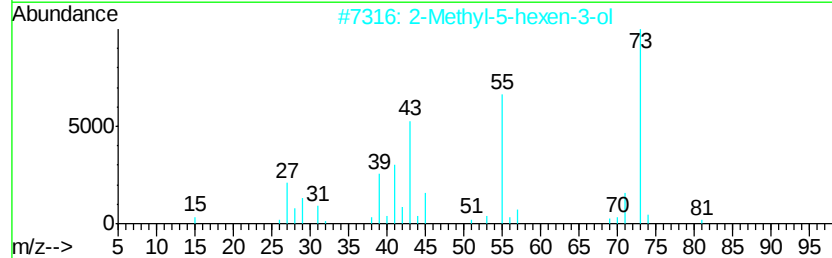
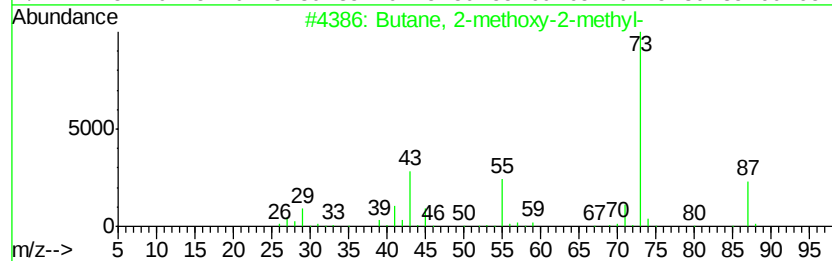
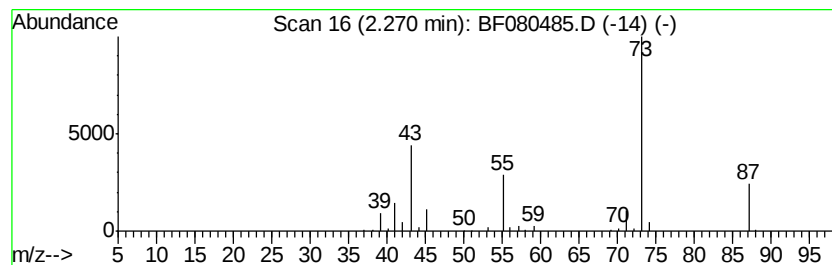
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.27 | 30.63 ng | 220887 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 38   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 35   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

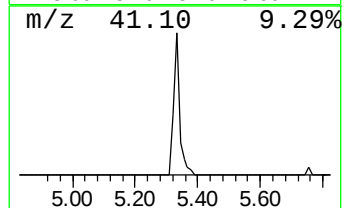
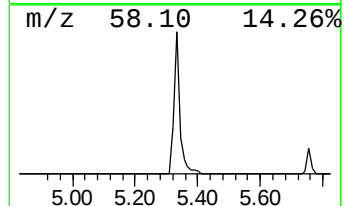
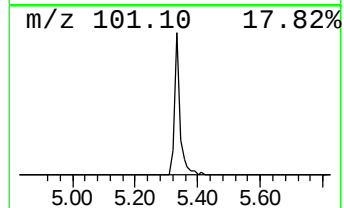
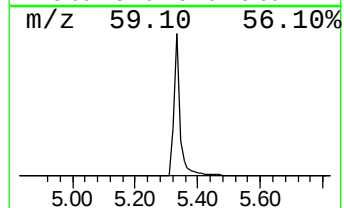
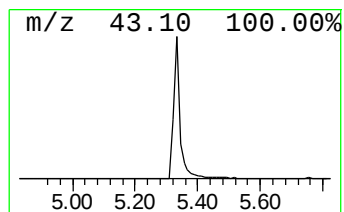
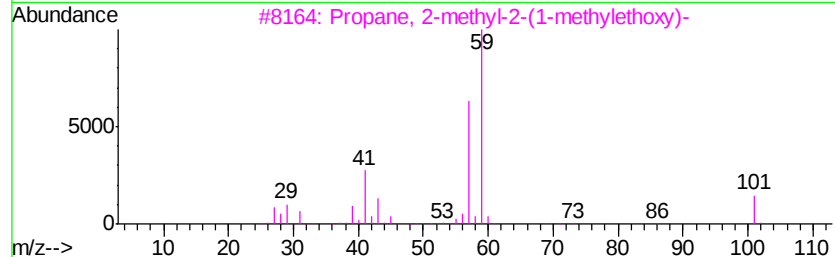
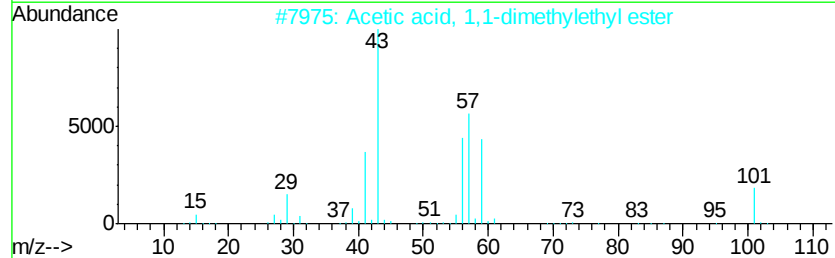
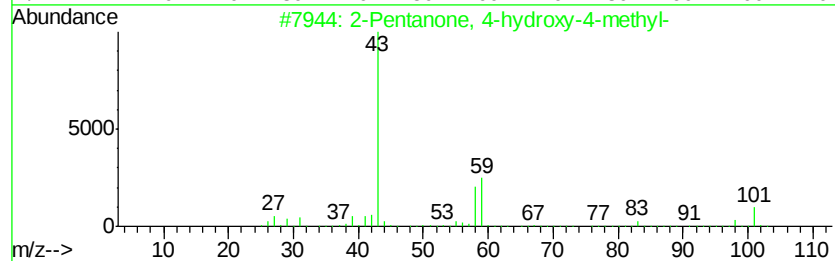
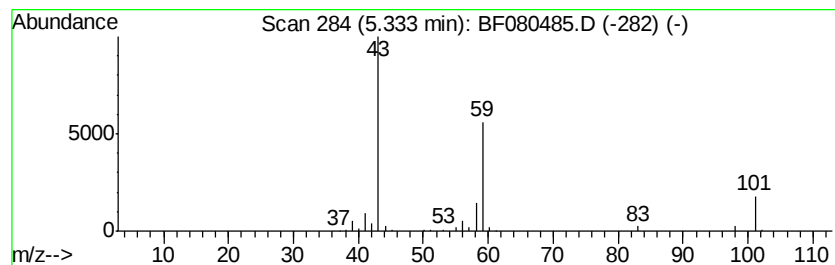
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.33 | 46.72 ng | 336953 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 33   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |



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Instrument :  
BNA\_F  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

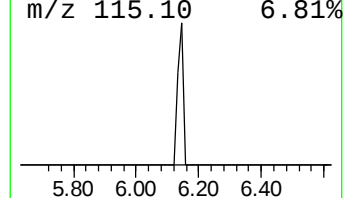
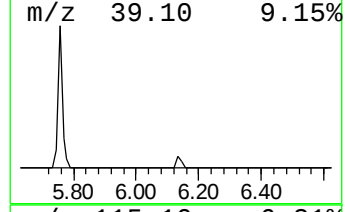
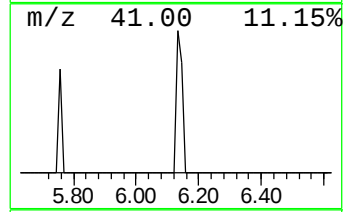
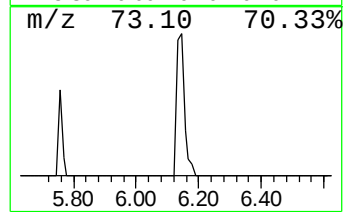
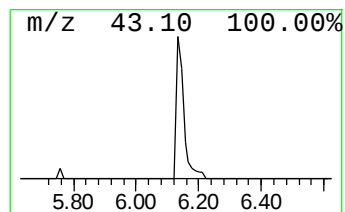
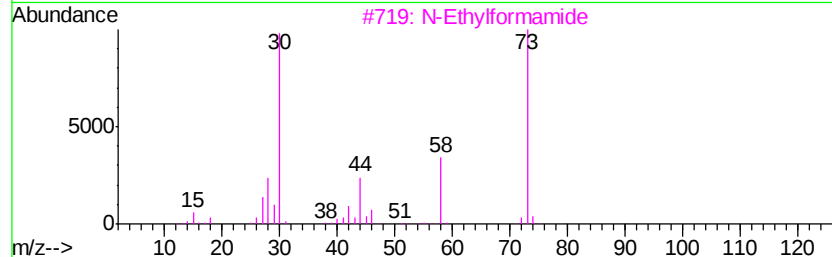
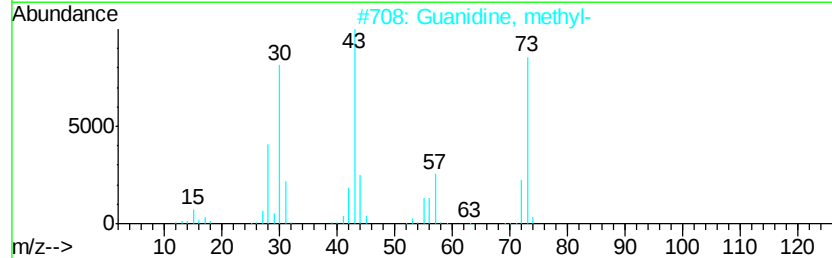
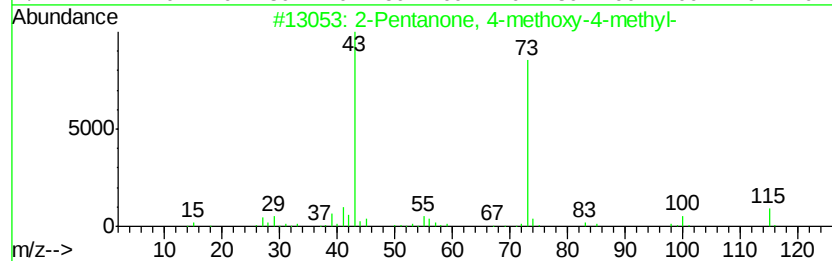
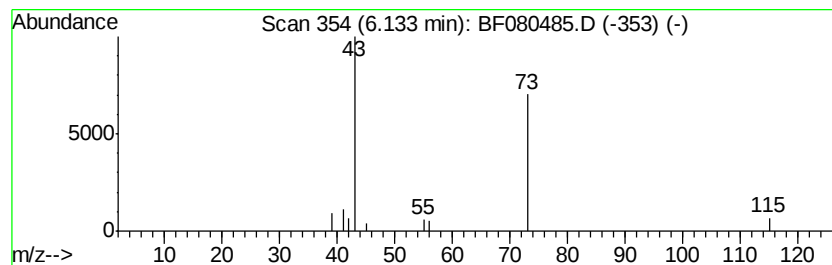
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 2-Pentanone, 4-methoxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.13 | 3.64 ng | 26285 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-methoxy-4-methyl- | 130 | C7H14O2 | 000107-70-0 | 74   |
| 2    |    |   | Guanidine, methyl-               | 73  | C2H7N3  | 000471-29-4 | 5    |
| 3    |    |   | N-Ethylformamide                 | 73  | C3H7NO  | 000627-45-2 | 5    |
| 4    |    |   | Acetamide, N-methyl-             | 73  | C3H7NO  | 000079-16-3 | 5    |
| 5    |    |   | Morpholine, 2,6-dimethyl-        | 115 | C6H13NO | 000141-91-3 | 4    |



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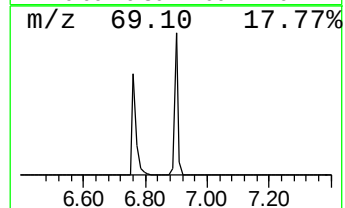
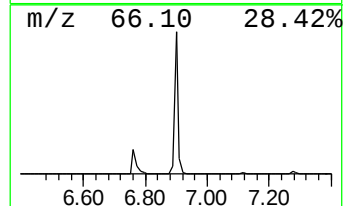
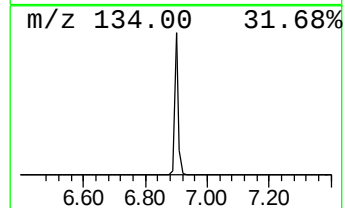
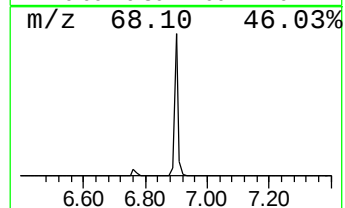
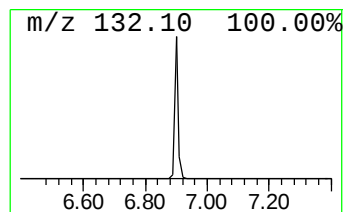
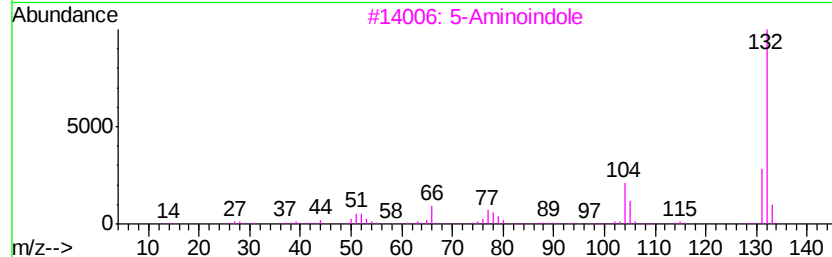
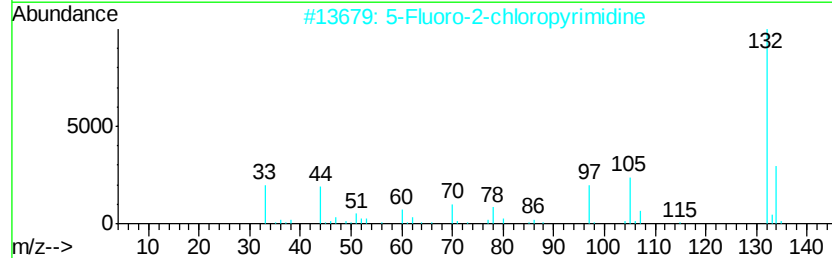
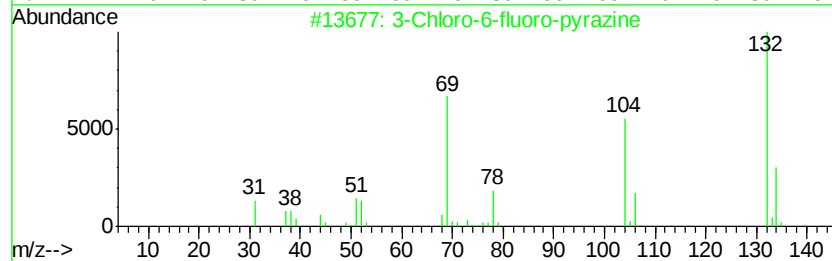
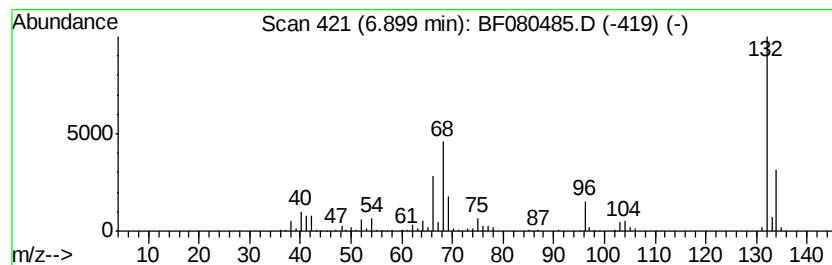
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TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 5 unknown6.90 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.90 | 72.30 ng | 521493 | 1,4-Dichlorobenzene-d4 | 7.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

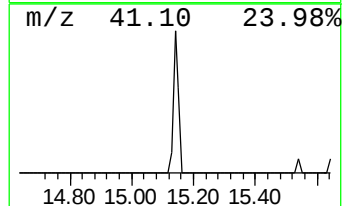
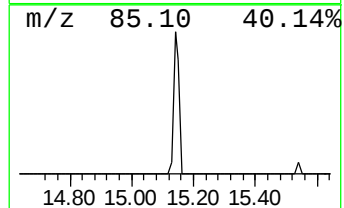
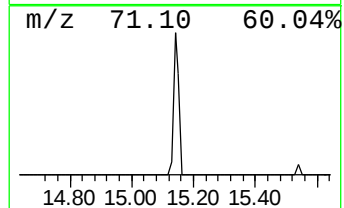
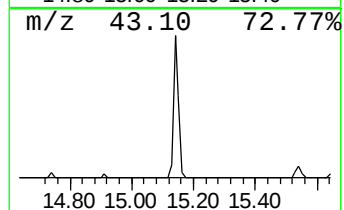
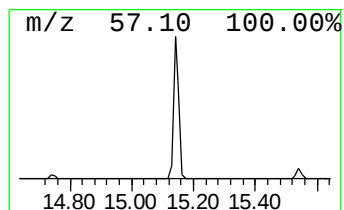
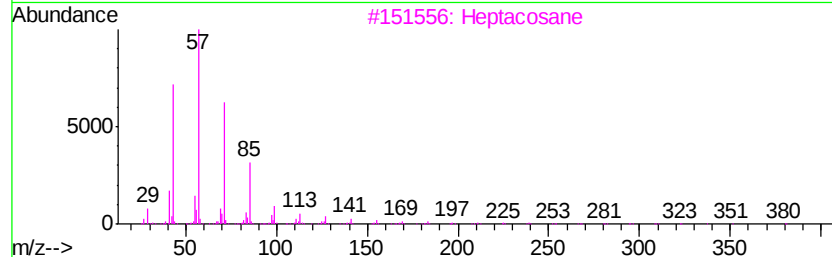
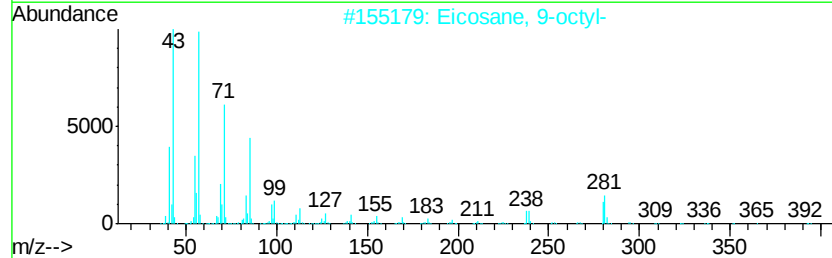
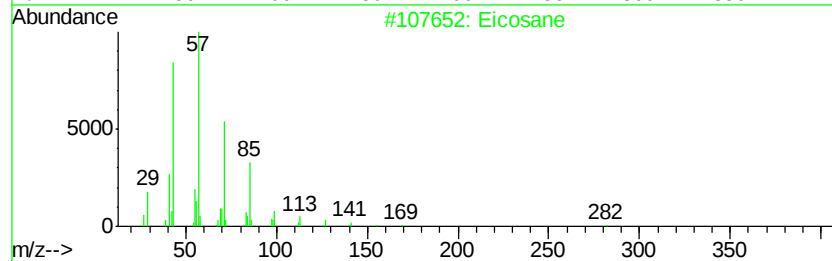
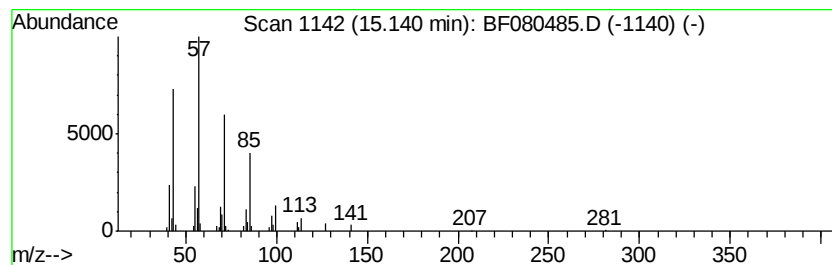
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Eicosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.14 | 5.82 ng | 91240 | Chrysene-d12     | 14.58 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane           |              | 282 | C20H42  | 000112-95-8 | 91   |
| 2       | Eicosane, 9-octyl- |              | 394 | C28H58  | 013475-77-9 | 91   |
| 3       | Heptacosane        |              | 380 | C27H56  | 000593-49-7 | 91   |
| 4       | Octacosane         |              | 394 | C28H58  | 000630-02-4 | 91   |
| 5       | Tetracosane        |              | 338 | C24H50  | 000646-31-1 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071415\  
 Data File : BF080485.D  
 Acq On : 15 Jul 2015 11:33  
 Operator : TP/UM  
 Sample : G2973-15  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10S

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

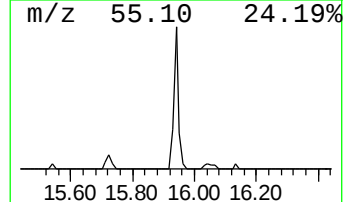
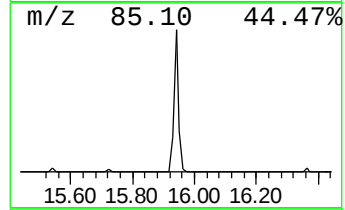
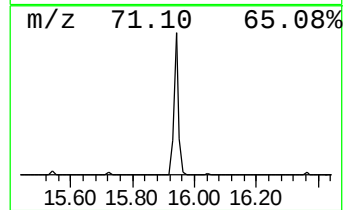
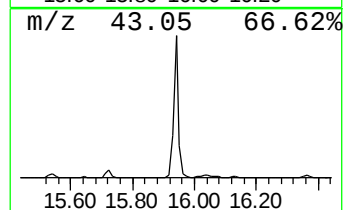
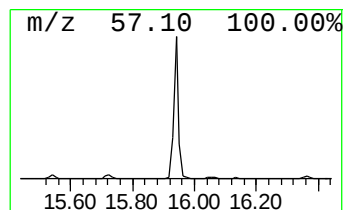
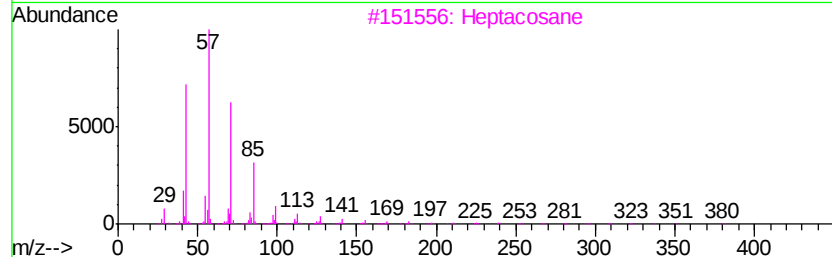
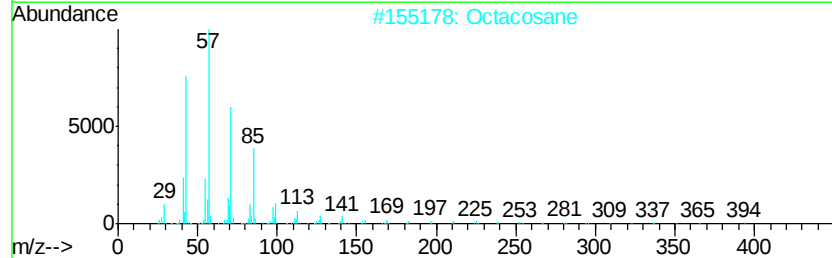
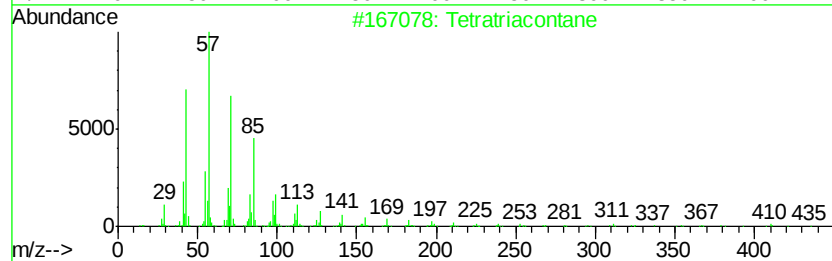
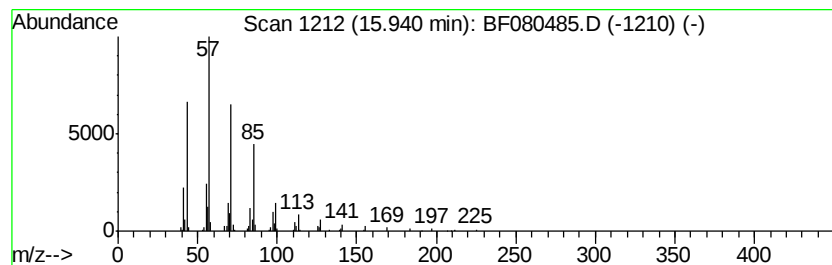
TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 8 Tetratriacontane Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.94 | 14.45 ng | 223912 | Perylene-d12     | 16.36 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------|-----|---------|-------------|------|
| 1       |   | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 91   |
| 2       |   | Octacosane                       | 394 | C28H58  | 000630-02-4 | 91   |
| 3       |   | Heptacosane                      | 380 | C27H56  | 000593-49-7 | 91   |
| 4       |   | Nonacosane                       | 408 | C29H60  | 000630-03-5 | 91   |
| 5       |   | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071415\  
Data File : BF080485.D  
Acq On : 15 Jul 2015 11:33  
Operator : TP/UM  
Sample : G2973-15  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10S

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071415.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 |
| Butane, 2-methoxy... | 2.27  | 30.6    | ng    | 220887   | 1                     | 7.13  | 144252 | 20.0 |
| 2-Pentanone, 4-hy... | 5.33  | 46.7    | ng    | 336953   | 1                     | 7.13  | 144252 | 20.0 |
| 2-Pentanone, 4-me... | 6.13  | 3.6     | ng    | 26285    | 1                     | 7.13  | 144252 | 20.0 |
| unknown6.90          | 6.90  | 72.3    | ng    | 521493   | 1                     | 7.13  | 144252 | 20.0 |
| Eicosane             | 15.14 | 5.8     | ng    | 91240    | 5                     | 14.58 | 313396 | 20.0 |
| Tetratriacontane     | 15.94 | 14.4    | ng    | 223912   | 6                     | 16.36 | 309870 | 20.0 |