

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071416\  
 Data File : BF088995.D  
 Acq On : 14 Jul 2016 19:48  
 Operator : UM/SJ  
 Sample : H3996-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B7-B3(0-12)C

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-BF063016.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         | 1.655       | 5             | 6           | 15           | rVB      | 259046         | 398148        | 18.98%          | 2.159%        |
| 2         | 1.781       | 15            | 17          | 24           | rVV      | 975311         | 1334292       | 63.60%          | 7.235%        |
| 3         | 1.884       | 24            | 26          | 55           | rVB      | 74015          | 285100        | 13.59%          | 1.546%        |
| 4         | 2.844       | 108           | 110         | 116          | rBV      | 25875          | 41491         | 1.98%           | 0.225%        |
| 5         | 4.844       | 282           | 285         | 292          | rVB      | 143676         | 226202        | 10.78%          | 1.227%        |
| 6         | 5.290       | 321           | 324         | 326          | rBV      | 1386966        | 1983019       | 94.52%          | 10.753%       |
| 7         | 6.342       | 412           | 416         | 418          | rBV      | 1692552        | 1976646       | 94.21%          | 10.719%       |
| 8         | 6.456       | 423           | 426         | 429          | rBV      | 1854733        | 1824939       | 86.98%          | 9.896%        |
| 9         | 6.685       | 444           | 446         | 448          | rBV      | 465913         | 379061        | 18.07%          | 2.056%        |
| 10        | 6.845       | 457           | 460         | 462          | rBV      | 1678288        | 1604314       | 76.47%          | 8.700%        |
| 11        | 7.256       | 493           | 496         | 498          | rBV      | 1220000        | 1320234       | 62.93%          | 7.159%        |
| 12        | 7.965       | 556           | 558         | 560          | rBV      | 398417         | 459073        | 21.88%          | 2.489%        |
| 13        | 7.999       | 560           | 561         | 563          | rVB      | 66279          | 49859         | 2.38%           | 0.270%        |
| 14        | 8.685       | 619           | 621         | 623          | rVB      | 21568          | 23633         | 1.13%           | 0.128%        |
| 15        | 9.050       | 650           | 653         | 655          | rBV      | 2282376        | 2098049       | 100.00%         | 11.377%       |
| 16        | 9.439       | 685           | 687         | 690          | rVB      | 280335         | 237942        | 11.34%          | 1.290%        |
| 17        | 9.713       | 709           | 711         | 713          | rBV      | 533745         | 472536        | 22.52%          | 2.562%        |
| 18        | 10.502      | 777           | 780         | 782          | rBV      | 1043912        | 977563        | 46.59%          | 5.301%        |
| 19        | 10.628      | 790           | 791         | 795          | rBV      | 15813          | 22086         | 1.05%           | 0.120%        |
| 20        | 11.074      | 828           | 830         | 836          | rBV      | 33854          | 52991         | 2.53%           | 0.287%        |
| 21        | 11.188      | 838           | 840         | 841          | rVV      | 478865         | 395529        | 18.85%          | 2.145%        |
| 22        | 11.256      | 844           | 846         | 848          | rVB      | 18734          | 30103         | 1.43%           | 0.163%        |
| 23        | 11.508      | 865           | 868         | 870          | rVB      | 26227          | 34467         | 1.64%           | 0.187%        |
| 24        | 12.388      | 943           | 945         | 948          | rBV      | 68426          | 63007         | 3.00%           | 0.342%        |
| 25        | 12.617      | 962           | 965         | 967          | rBV      | 53897          | 53797         | 2.56%           | 0.292%        |
| 26        | 12.777      | 976           | 979         | 981          | rBV      | 1236805        | 1237065       | 58.96%          | 6.708%        |
| 27        | 13.679      | 1057          | 1058        | 1062         | rVB      | 48185          | 55201         | 2.63%           | 0.299%        |
| 28        | 13.805      | 1067          | 1069        | 1072         | rBV2     | 297904         | 363416        | 17.32%          | 1.971%        |
| 29        | 14.160      | 1093          | 1100        | 1101         | rBV5     | 8700           | 35208         | 1.68%           | 0.191%        |
| 30        | 14.320      | 1110          | 1114        | 1118         | rBV6     | 12140          | 30165         | 1.44%           | 0.164%        |
| 31        | 14.800      | 1154          | 1156        | 1160         | rBV      | 34215          | 63537         | 3.03%           | 0.345%        |
| 32        | 15.062      | 1177          | 1179        | 1181         | rBV      | 19498          | 22389         | 1.07%           | 0.121%        |
| 33        | 15.177      | 1186          | 1189        | 1192         | rBV      | 259398         | 290086        | 13.83%          | 1.573%        |

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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-BF063016.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

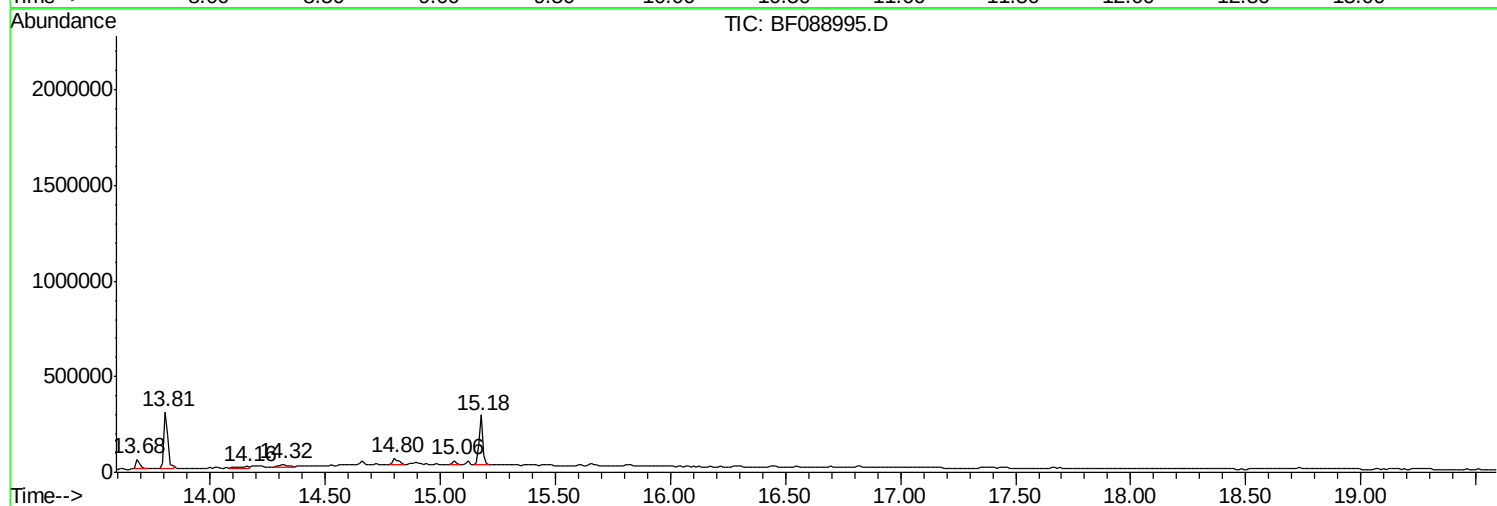
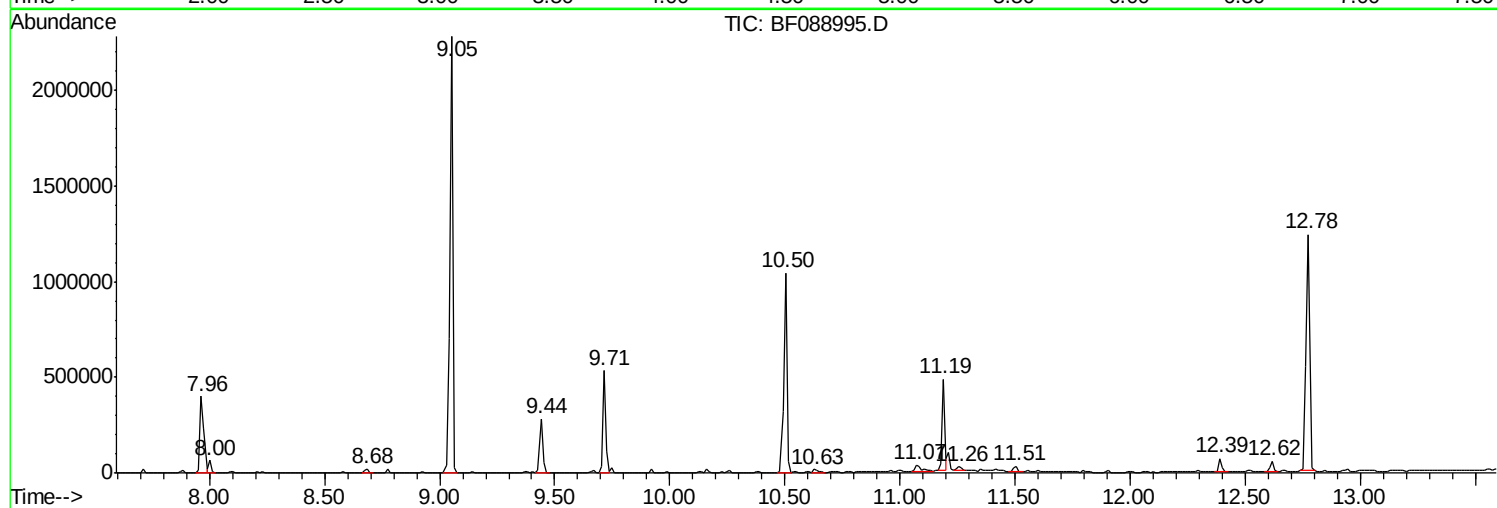
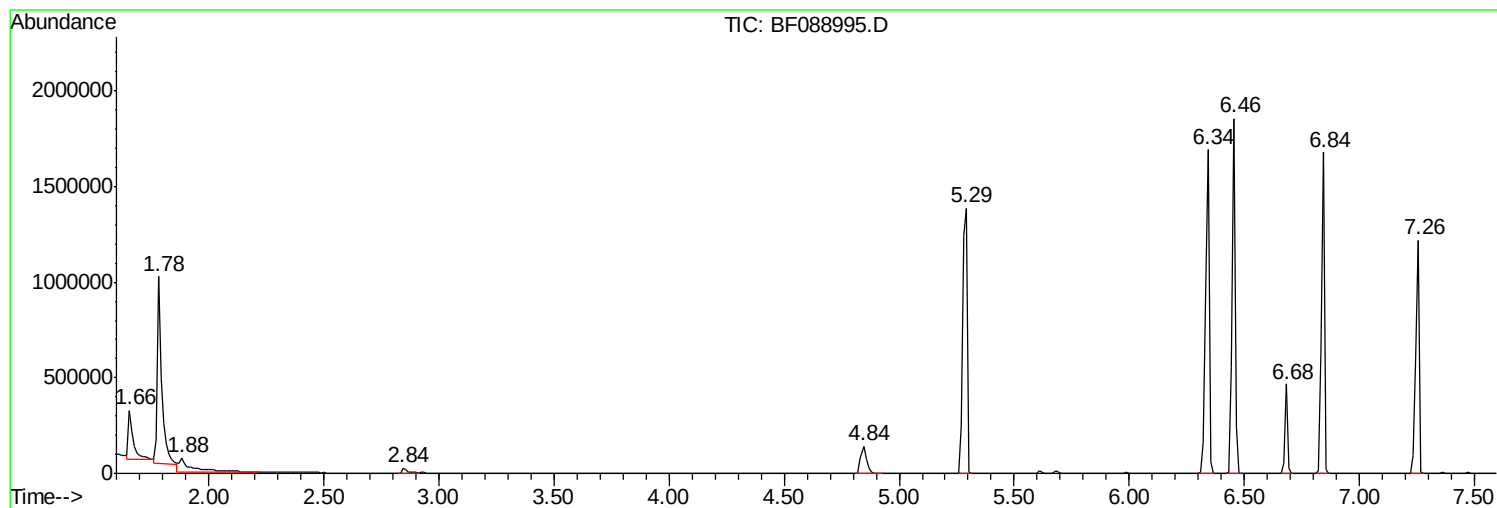
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



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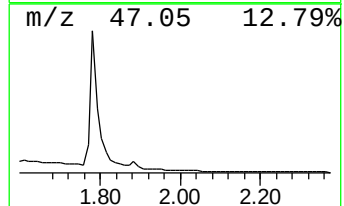
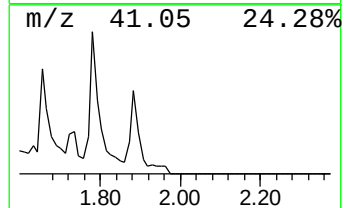
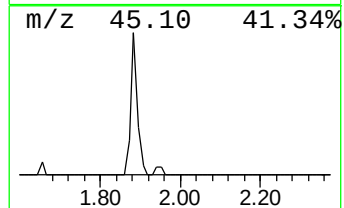
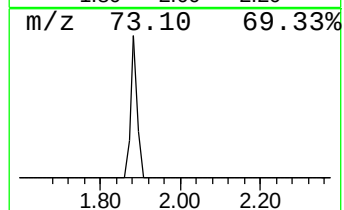
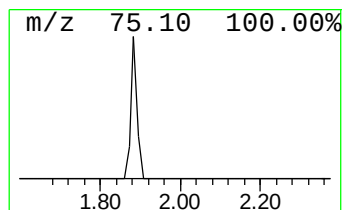
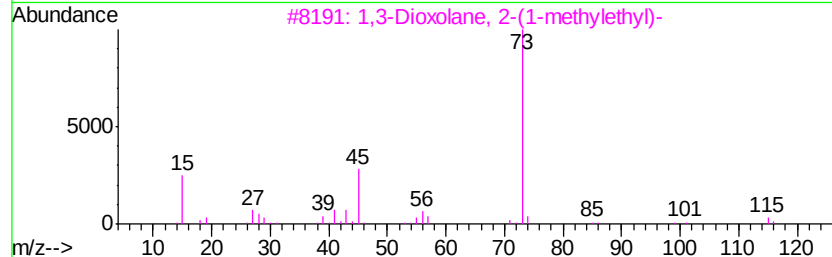
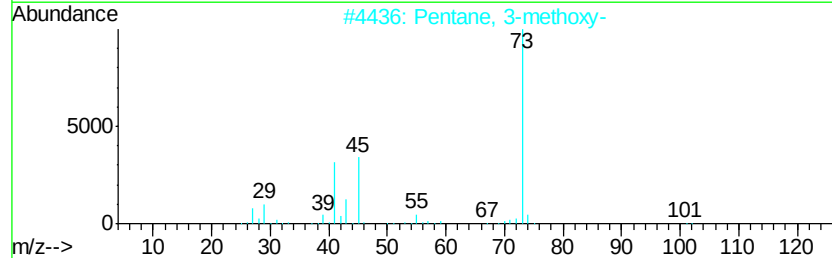
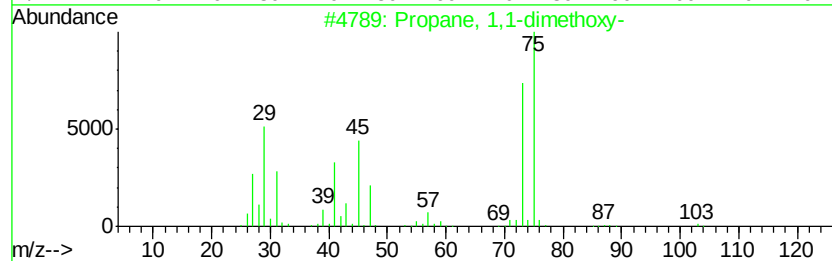
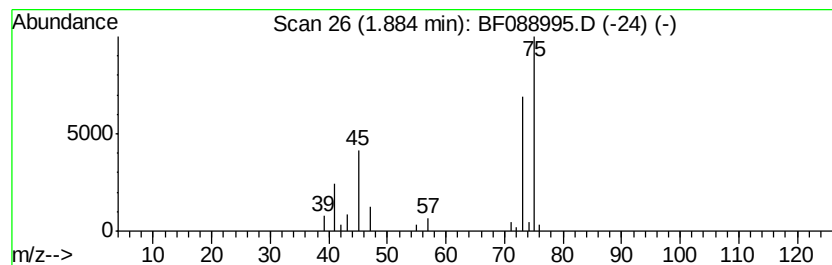
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.88 | 15.04 ng | 285100 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 1,1-dimethoxy-           | 104 | C5H12O2 | 004744-10-9 | 72   |
| 2    |    | Pentane, 3-methoxy-               | 102 | C6H14O  | 036839-67-5 | 9    |
| 3    |    | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 9    |
| 4    |    | Thiocyanic acid, methyl ester     | 73  | C2H3NS  | 000556-64-9 | 7    |
| 5    |    | Glycine                           | 75  | C2H5NO2 | 000056-40-6 | 7    |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

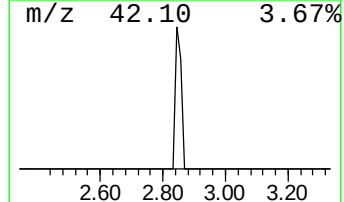
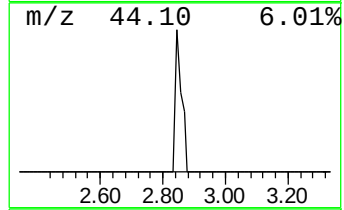
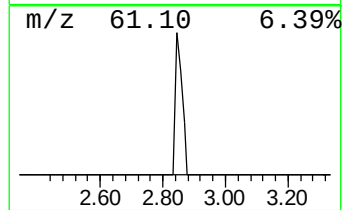
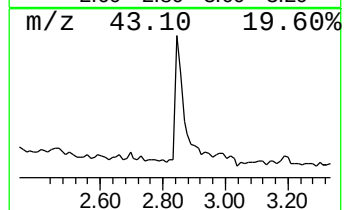
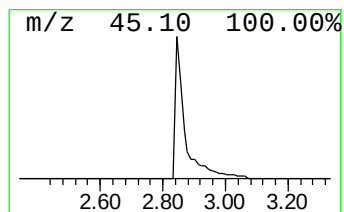
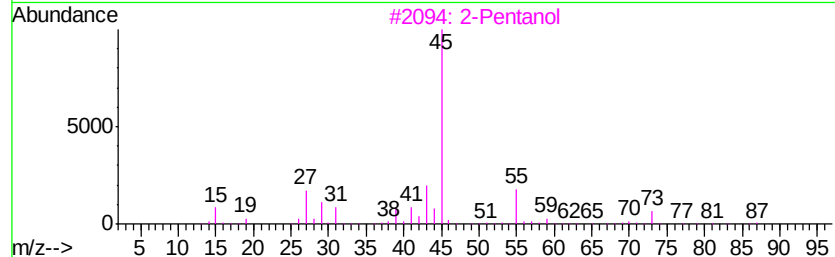
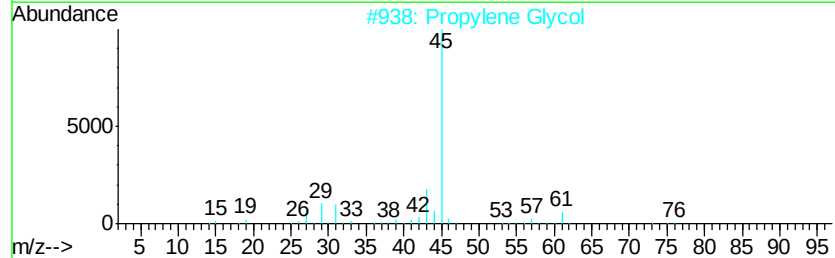
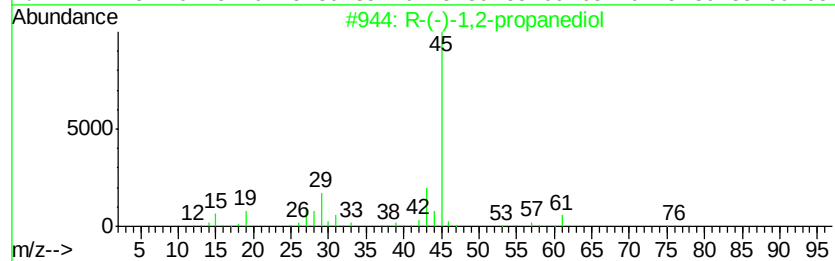
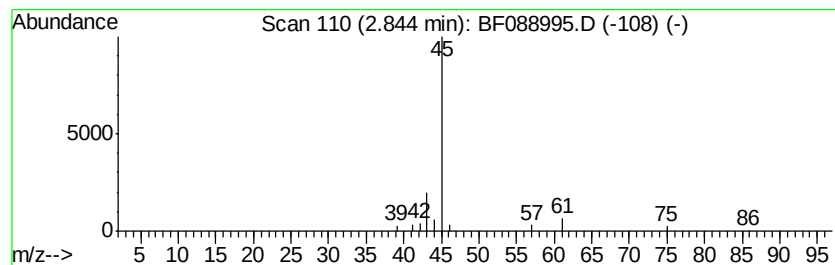
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 R-(-)-1,2-propanediol Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 2.84 | 2.19 ng | 41491 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | R-(-)-1,2-propanediol | 76 | C3H8O2  | 004254-14-2 | 64   |
| 2    |    | Propylene Glycol      | 76 | C3H8O2  | 000057-55-6 | 9    |
| 3    |    | 2-Pentanol            | 88 | C5H12O  | 006032-29-7 | 9    |
| 4    |    | 2,3-Butanediol        | 90 | C4H10O2 | 000513-85-9 | 9    |
| 5    |    | Isopropyl Alcohol     | 60 | C3H8O   | 000067-63-0 | 9    |



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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B7-B3(0-12)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
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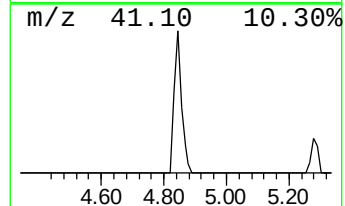
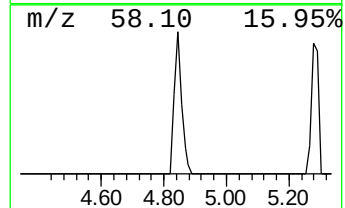
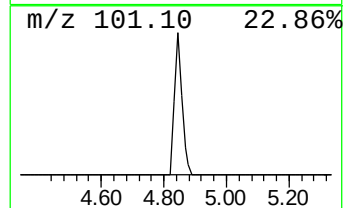
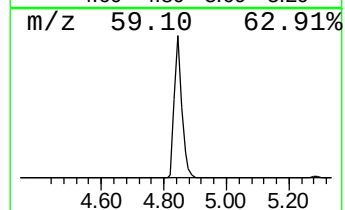
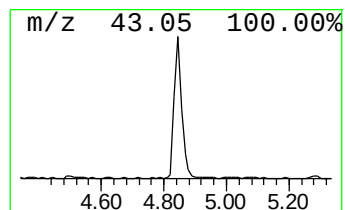
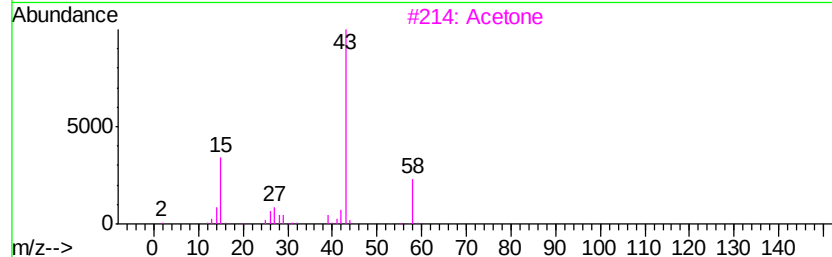
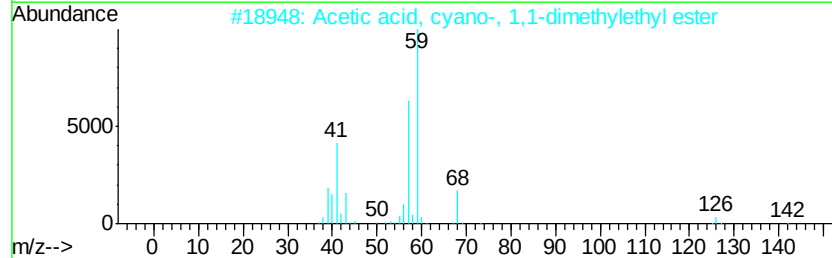
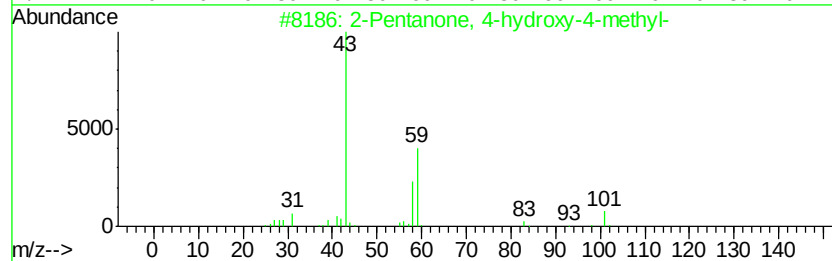
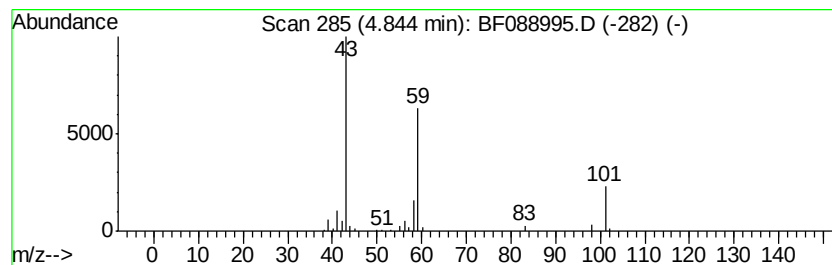
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.84 | 11.93 ng | 226202 | 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 | 56   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 10   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |



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ALS Vial : 7 Sample Multiplier: 1

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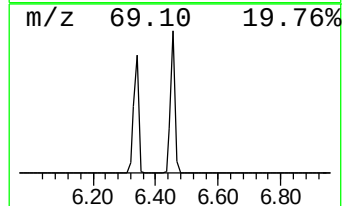
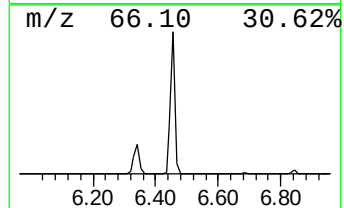
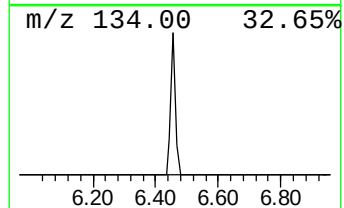
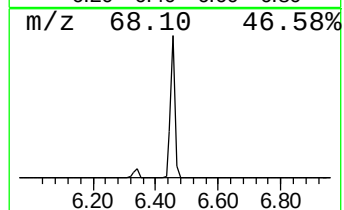
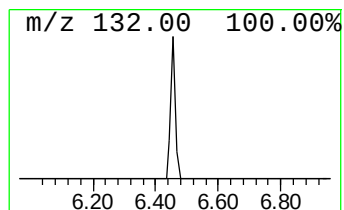
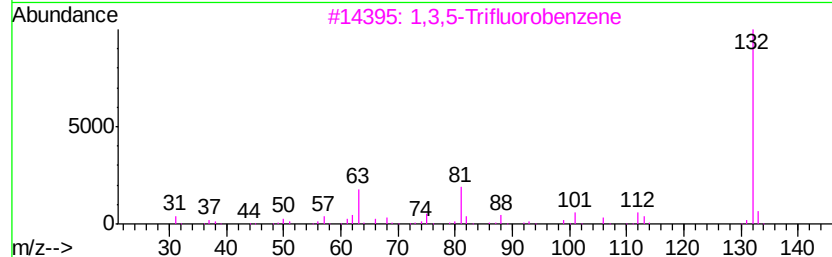
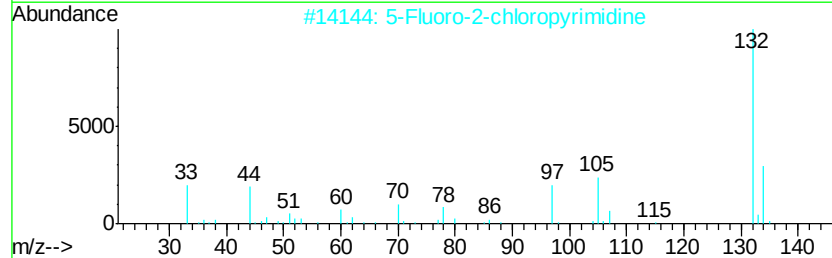
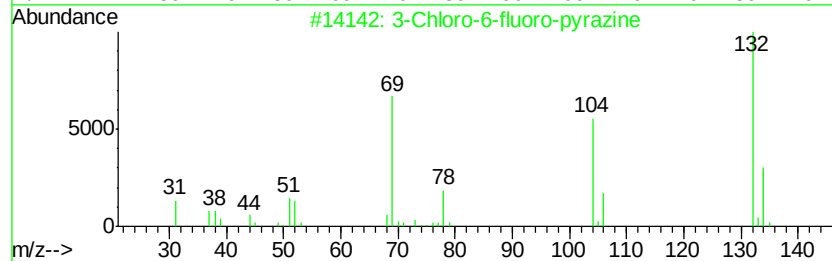
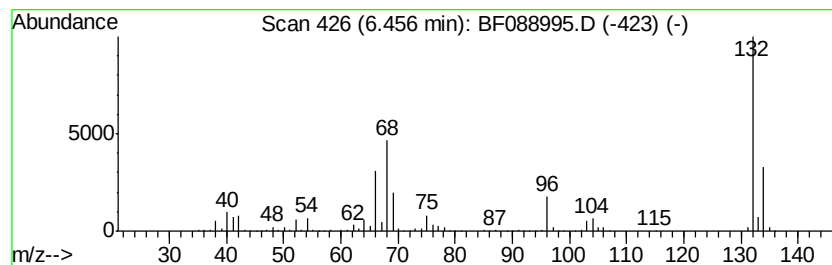
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown6.46 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.46 | 96.29 ng | 1824940 | 1,4-Dichlorobenzene-d4 | 6.68 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine           | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine          | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | 1,3,5-Trifluorobenzene               | 132 | C6H3F3    | 000372-38-3  | 14   |
| 4    |    | N-(-3,4-Methylenedioxyphenyl)isop... | 267 | C17H17NO2 | 1000378-96-6 | 10   |
| 5    |    | Cyclopropanamine, 1-phenyl-          | 133 | C9H11N    | 1000351-26-2 | 10   |



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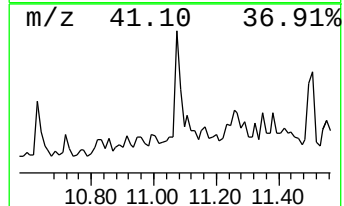
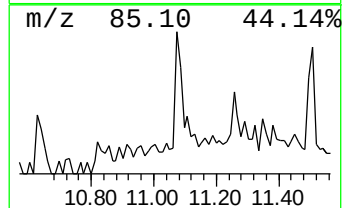
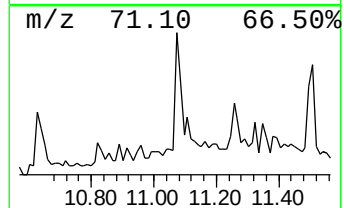
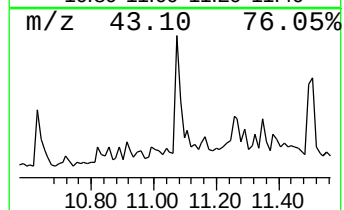
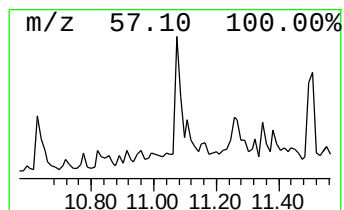
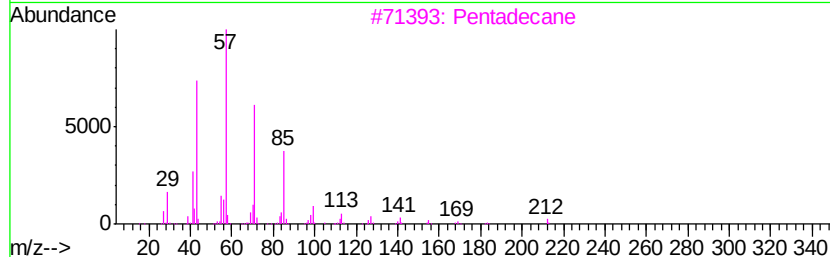
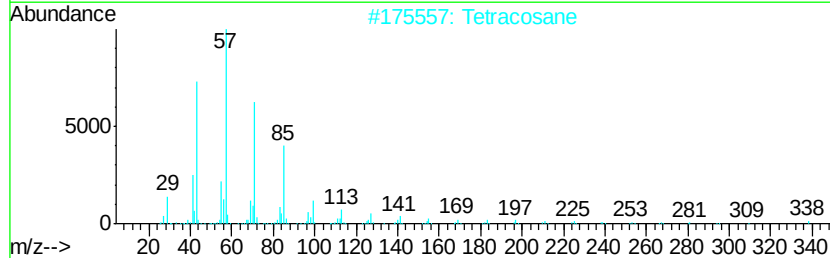
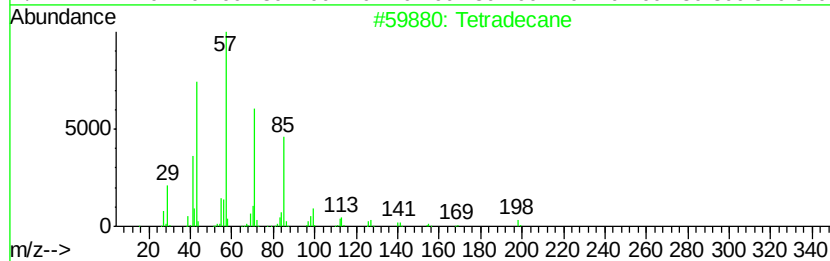
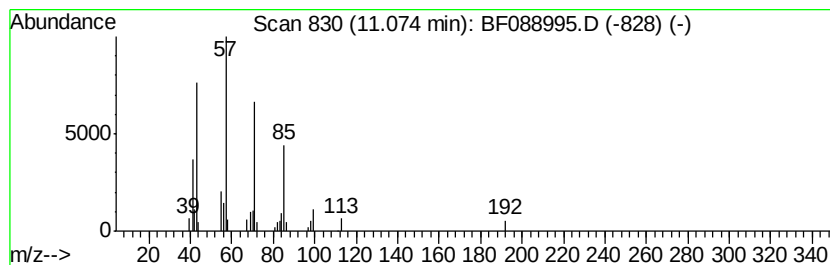
Instrument :  
BNA\_F  
ClientSampleId :  
B7-B3(0-12)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tetradecane Concentration Rank 8

| R.T.      | EstConc              | Area  | Relative to ISTD |             | R.T.  |
|-----------|----------------------|-------|------------------|-------------|-------|
| 11.07     | 2.68 ng              | 52991 | Phenanthrene-d10 |             | 11.19 |
| Hit# of 5 | Tentative ID         | MW    | MolForm          | CAS#        | Qual  |
| 1         | Tetradecane          | 198   | C14H30           | 000629-59-4 | 86    |
| 2         | Tetracosane          | 338   | C24H50           | 000646-31-1 | 86    |
| 3         | Pentadecane          | 212   | C15H32           | 000629-62-9 | 86    |
| 4         | Heneicosane          | 296   | C21H44           | 000629-94-7 | 86    |
| 5         | Tridecane, 7-propyl- | 226   | C16H34           | 055045-09-5 | 86    |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\  
Data File : BF088995.D  
Acq On : 14 Jul 2016 19:48  
Operator : UM/SJ  
Sample : H3996-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

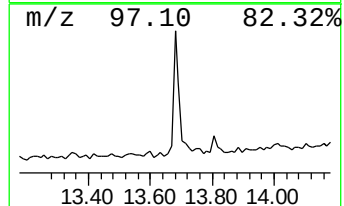
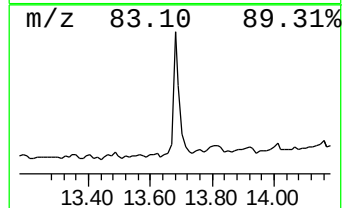
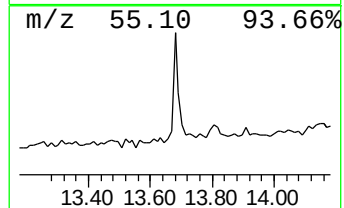
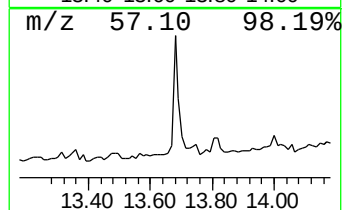
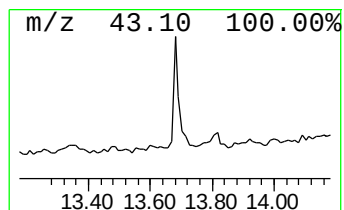
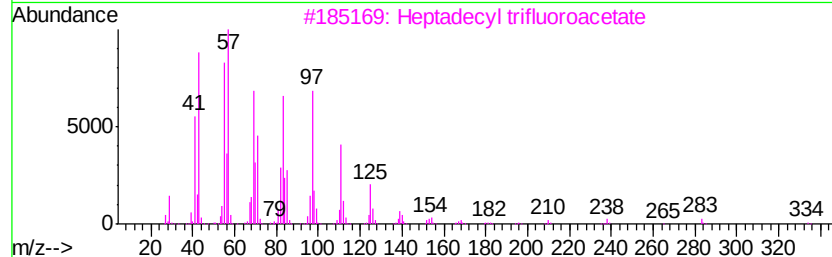
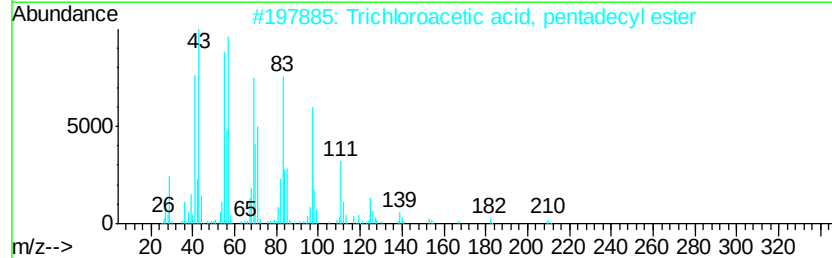
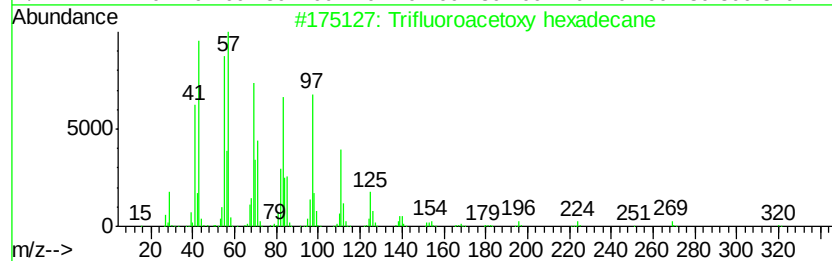
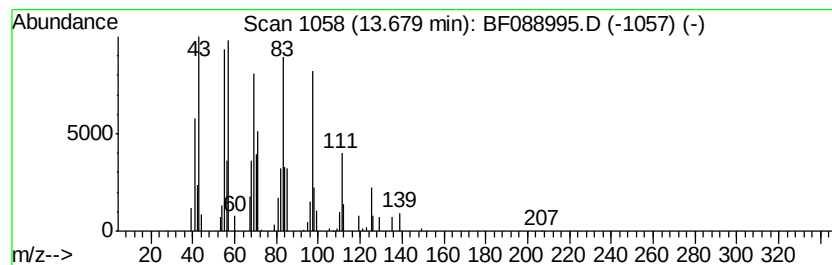
Instrument :  
BNA\_F  
ClientSampleId :  
B7-B3(0-12)C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Trifluoroacetoxy hexadecane Concentration Rank 7

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|--------------|------|
| 13.68     | 3.04 ng                             | 55201 | Chrysene-d12     | 13.81        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#         | Qual |
| 1         | Trifluoroacetoxv hexadecane         | 338   | C18H33F3O2       | 006222-03-3  | 95   |
| 2         | Trichloroacetic acid, pentadecyl... | 372   | C17H31Cl3O2      | 074339-53-0  | 94   |
| 3         | Heptadecyl trifluoroacetate         | 352   | C19H35F3O2       | 1000351-87-0 | 93   |
| 4         | 11-Tricosene                        | 322   | C23H46           | 052078-56-5  | 91   |
| 5         | 3-Eicosene, (E)-                    | 280   | C20H40           | 074685-33-9  | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071416\  
Data File : BF088995.D  
Acq On : 14 Jul 2016 19:48  
Operator : UM/SJ  
Sample : H3996-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B7-B3(0-12)C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propane, 1,1-dime... | 1.88  | 15.0    | ng    | 285100   | 1                     | 6.68  | 379061 | 20.0 |
| R-(-)-1,2-propane... | 2.84  | 2.2     | ng    | 41491    | 1                     | 6.68  | 379061 | 20.0 |
| 2-Pentanone, 4-hy... | 4.84  | 11.9    | ng    | 226202   | 1                     | 6.68  | 379061 | 20.0 |
| unknown6.46          | 6.46  | 96.3    | ng    | 1824940  | 1                     | 6.68  | 379061 | 20.0 |
| Tetradecane          | 11.07 | 2.7     | ng    | 52991    | 4                     | 11.19 | 395529 | 20.0 |
| Trifluoroacetoxy ... | 13.68 | 3.0     | ng    | 55201    | 5                     | 13.81 | 363416 | 20.0 |