

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\  
 Data File : BF078142.D  
 Acq On : 1 Apr 2015 6:27  
 Operator : TP/IZ  
 Sample : G1704-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-13(0-10)

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-BF031115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.207    | 26         | 28       | 30        | rBV   | 349540      | 368927     | 36.80%       | 4.122%     |
| 2      | 1.321    | 35         | 38       | 41        | rVB   | 81817       | 117638     | 11.74%       | 1.314%     |
| 3      | 1.481    | 50         | 52       | 55        | rVB   | 70508       | 78446      | 7.83%        | 0.876%     |
| 4      | 1.721    | 71         | 73       | 82        | rBV   | 82361       | 119363     | 11.91%       | 1.334%     |
| 5      | 4.773    | 338        | 340      | 345       | rBV   | 60090       | 74273      | 7.41%        | 0.830%     |
| 6      | 5.333    | 386        | 389      | 397       | rBV   | 461509      | 703961     | 70.23%       | 7.865%     |
| 7      | 6.636    | 500        | 503      | 505       | rBV   | 644566      | 718551     | 71.68%       | 8.028%     |
| 8      | 6.762    | 511        | 514      | 516       | rBV   | 737661      | 774680     | 77.28%       | 8.655%     |
| 9      | 7.047    | 537        | 539      | 541       | rBV   | 207702      | 233473     | 23.29%       | 2.608%     |
| 10     | 7.230    | 552        | 555      | 557       | rBV   | 592494      | 566983     | 56.56%       | 6.334%     |
| 11     | 7.745    | 597        | 600      | 602       | rBV   | 322979      | 428354     | 42.73%       | 4.786%     |
| 12     | 8.625    | 674        | 677      | 679       | rBV   | 239545      | 325643     | 32.49%       | 3.638%     |
| 13     | 9.413    | 744        | 746      | 748       | rBB   | 48403       | 47334      | 4.72%        | 0.529%     |
| 14     | 9.962    | 792        | 794      | 797       | rBV   | 680818      | 837499     | 83.55%       | 9.356%     |
| 15     | 10.476   | 837        | 839      | 842       | rBB   | 17417       | 15348      | 1.53%        | 0.171%     |
| 16     | 10.785   | 862        | 866      | 869       | rBB   | 418411      | 396163     | 39.52%       | 4.426%     |
| 17     | 11.379   | 916        | 918      | 920       | rBB   | 13709       | 12010      | 1.20%        | 0.134%     |
| 18     | 11.768   | 949        | 952      | 954       | rBV   | 446047      | 509826     | 50.86%       | 5.696%     |
| 19     | 11.974   | 968        | 970      | 974       | rBB   | 12114       | 16349      | 1.63%        | 0.183%     |
| 20     | 12.625   | 1024       | 1027     | 1029      | rBV   | 292066      | 398435     | 39.75%       | 4.451%     |
| 21     | 14.237   | 1165       | 1168     | 1173      | rBV4  | 5199        | 16759      | 1.67%        | 0.187%     |
| 22     | 14.408   | 1179       | 1183     | 1184      | rBV3  | 4968        | 11076      | 1.10%        | 0.124%     |
| 23     | 14.614   | 1198       | 1201     | 1203      | rBV   | 1038747     | 1002422    | 100.00%      | 11.199%    |
| 24     | 14.877   | 1216       | 1224     | 1227      | rBV7  | 8820        | 42282      | 4.22%        | 0.472%     |
| 25     | 15.002   | 1233       | 1235     | 1237      | rBV   | 14311       | 20632      | 2.06%        | 0.230%     |
| 26     | 15.117   | 1243       | 1245     | 1250      | rBV4  | 9949        | 28097      | 2.80%        | 0.314%     |
| 27     | 15.391   | 1267       | 1269     | 1270      | rBV   | 11189       | 18246      | 1.82%        | 0.204%     |
| 28     | 15.540   | 1280       | 1282     | 1284      | rBV2  | 14239       | 19957      | 1.99%        | 0.223%     |
| 29     | 15.654   | 1288       | 1292     | 1293      | rBV2  | 15158       | 35212      | 3.51%        | 0.393%     |
| 30     | 15.791   | 1302       | 1304     | 1310      | rBV2  | 56290       | 128706     | 12.84%       | 1.438%     |
| 31     | 15.894   | 1310       | 1313     | 1315      | rBV   | 399762      | 422982     | 42.20%       | 4.725%     |
| 32     | 17.586   | 1458       | 1461     | 1468      | rVB   | 361278      | 461444     | 46.03%       | 5.155%     |

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S-13(0-10)

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-BF031115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

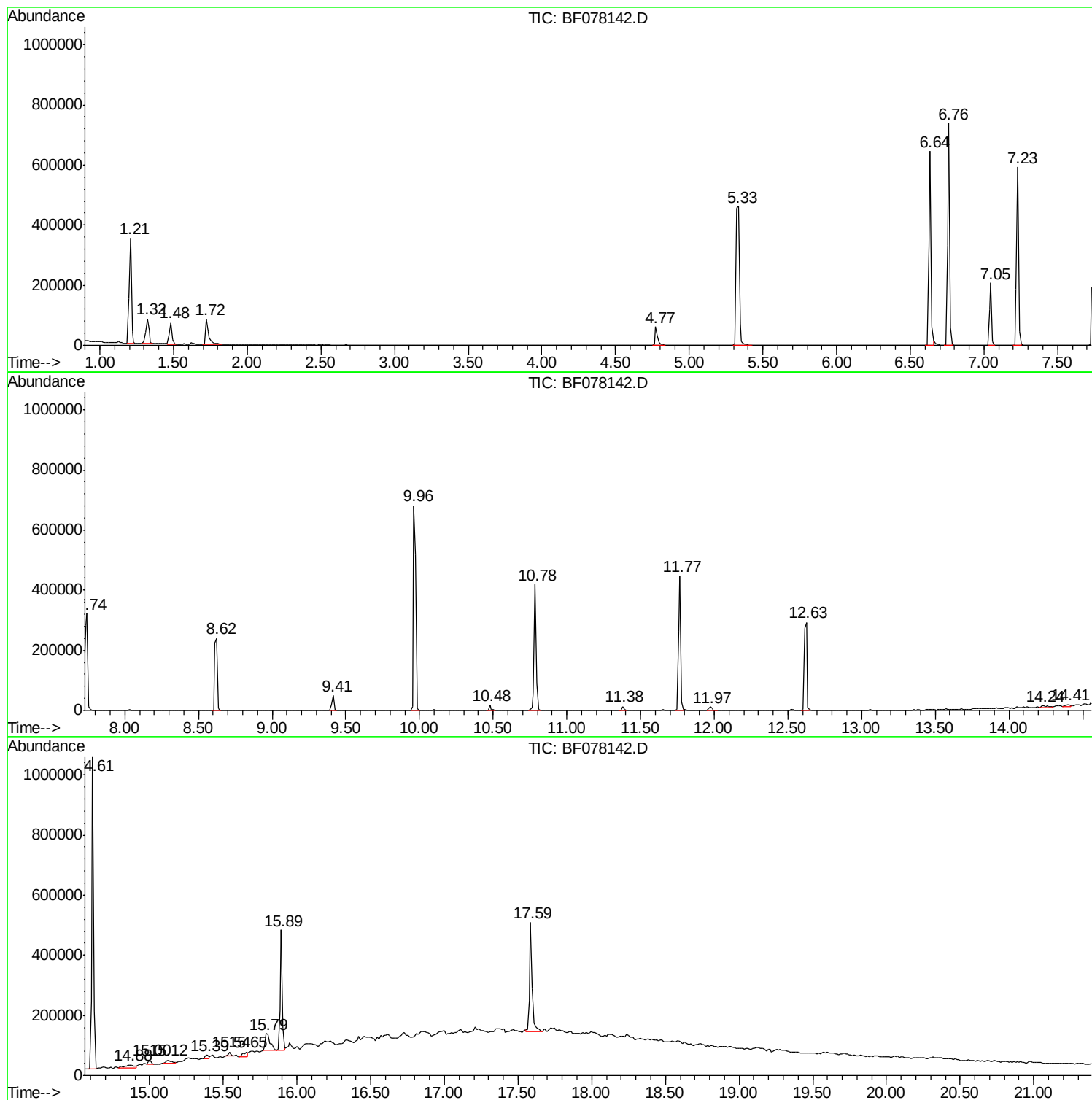
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :  
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ClientSampleId :  
S-13(0-10)

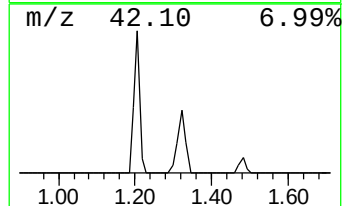
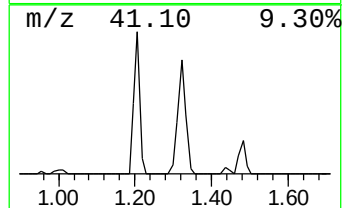
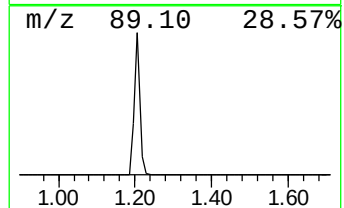
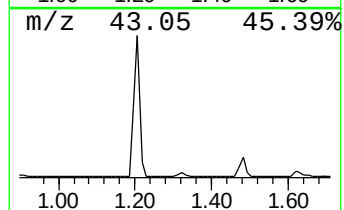
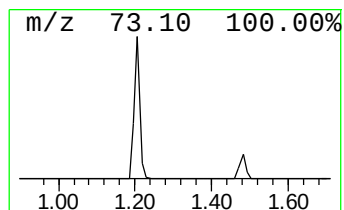
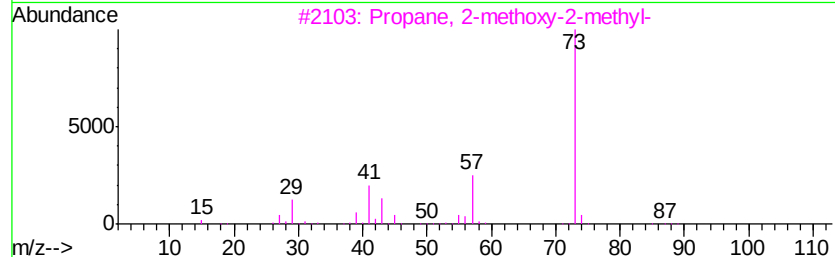
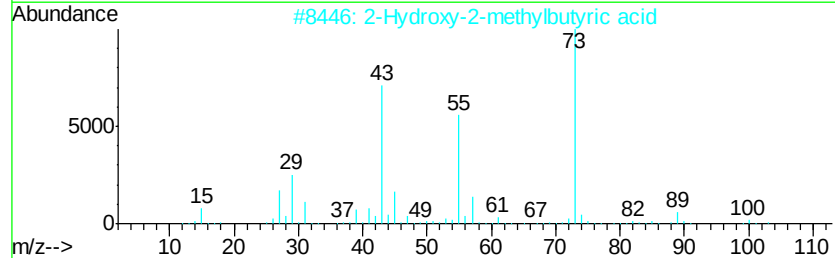
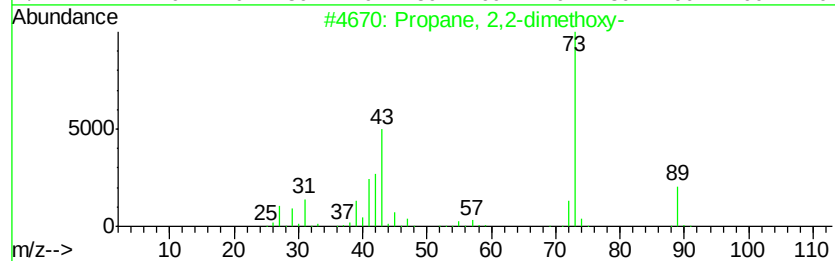
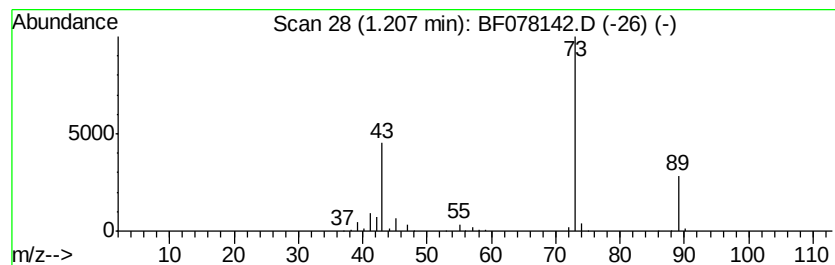
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.21 | 31.60 ng | 368927 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-        | 104 | C5H12O2 | 000077-76-9 | 50   |
| 2    |    | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9    |
| 3    |    | Propane, 2-methoxy-2-methyl-   | 88  | C5H12O  | 001634-04-4 | 9    |
| 4    |    | Silane, tetramethyl-           | 88  | C4H12Si | 000075-76-3 | 7    |
| 5    |    | N-Ethylformamide               | 73  | C3H7NO  | 000627-45-2 | 5    |



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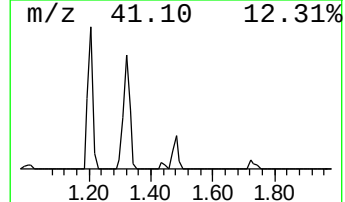
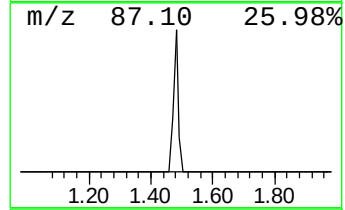
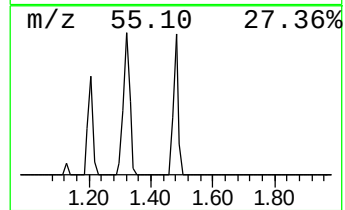
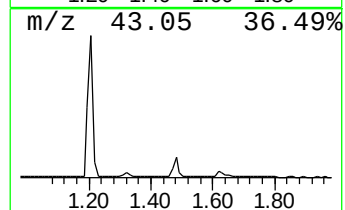
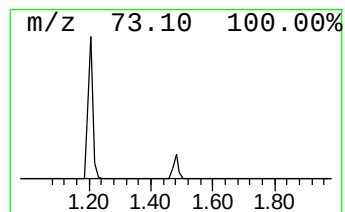
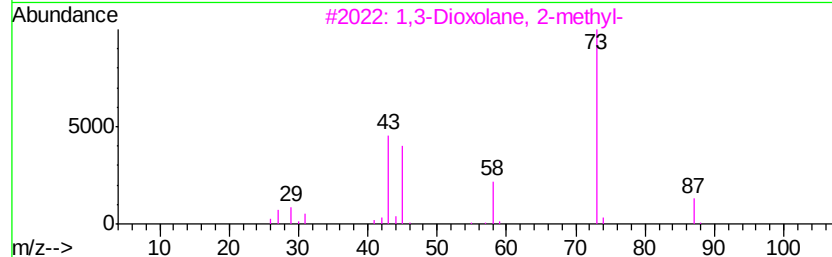
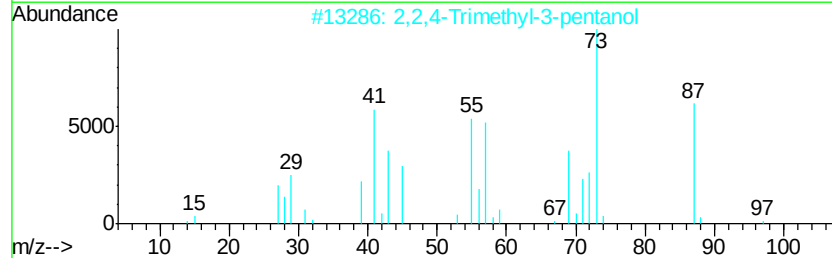
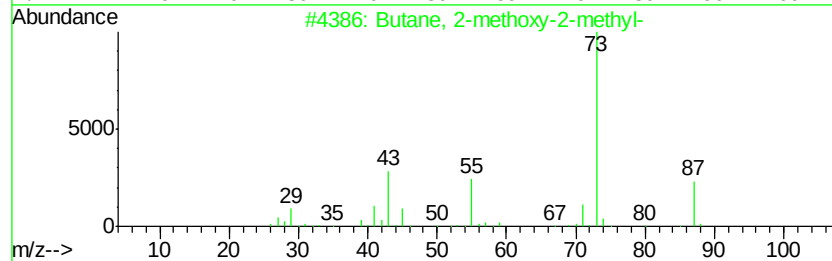
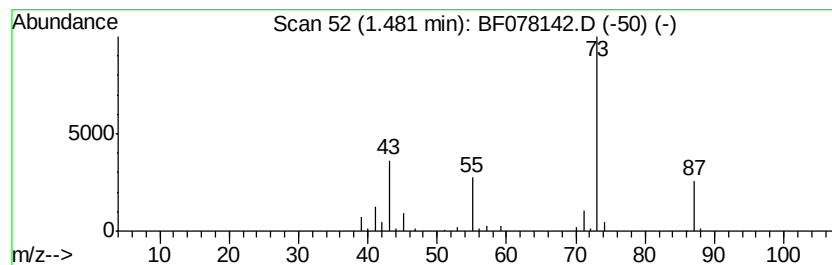
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 1.48 | 6.72 ng | 78446 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 32   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 25   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-13(0-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

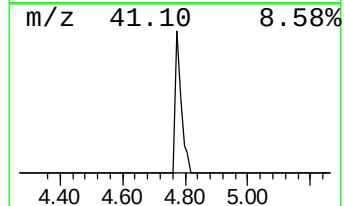
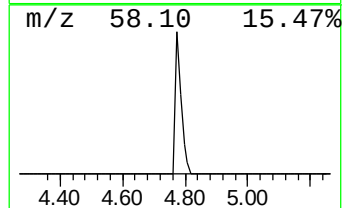
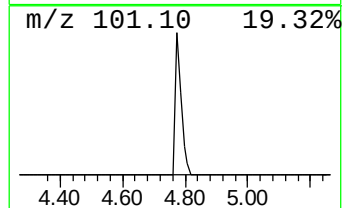
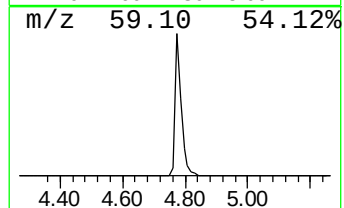
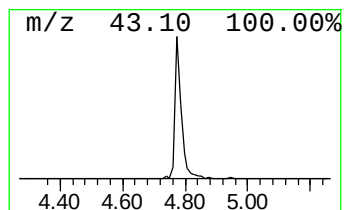
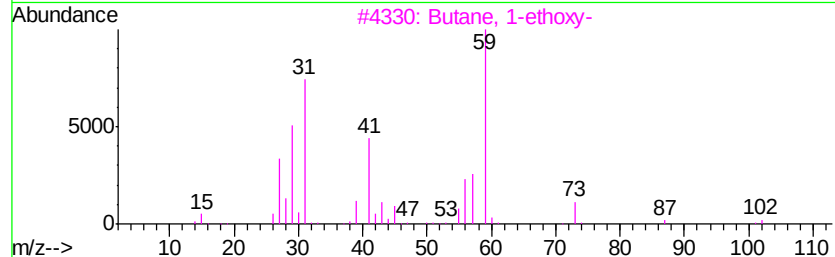
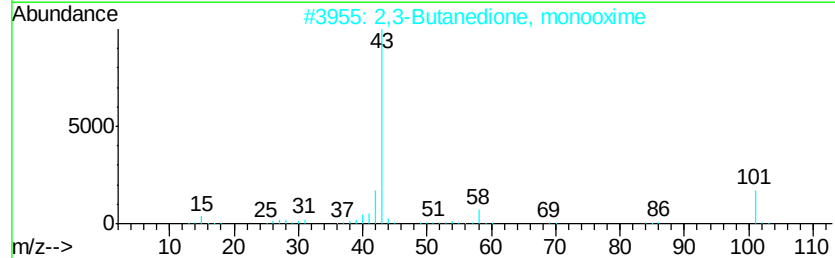
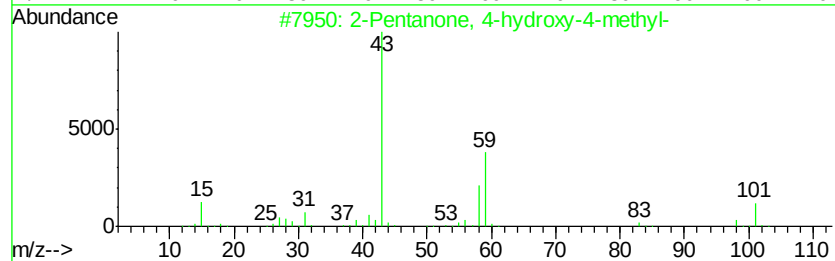
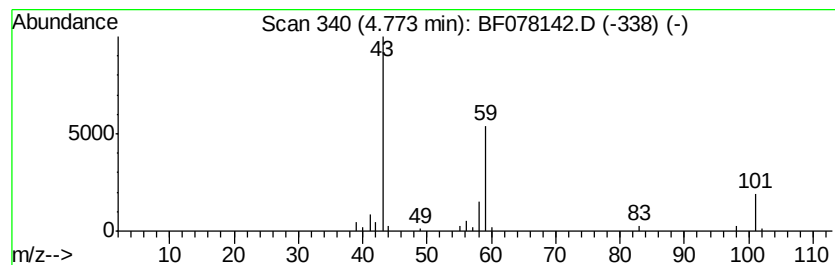
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.77 | 6.36 ng | 74273 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------|-----|---------|-------------|------|
| 1       |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2       |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3       |   | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 9    |
| 4       |   | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 5       |   | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
S-13(0-10)

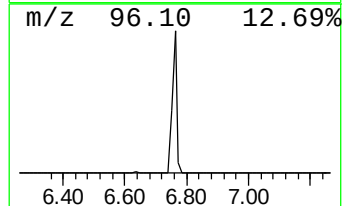
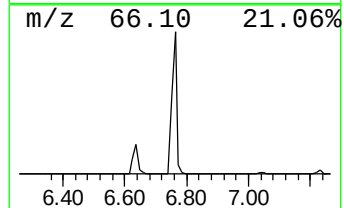
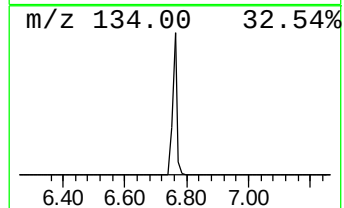
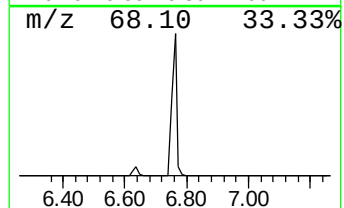
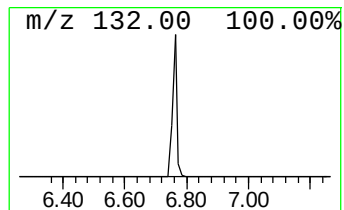
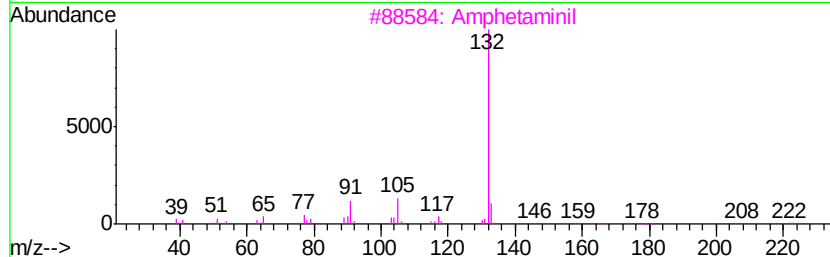
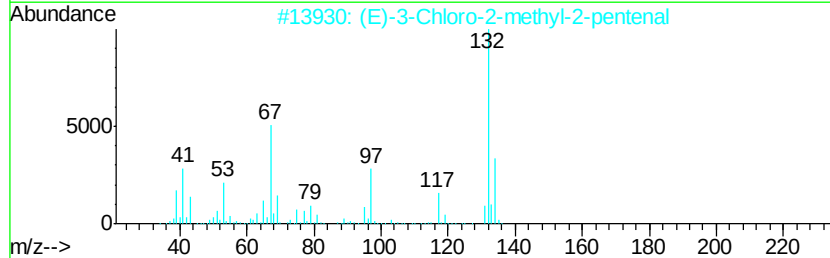
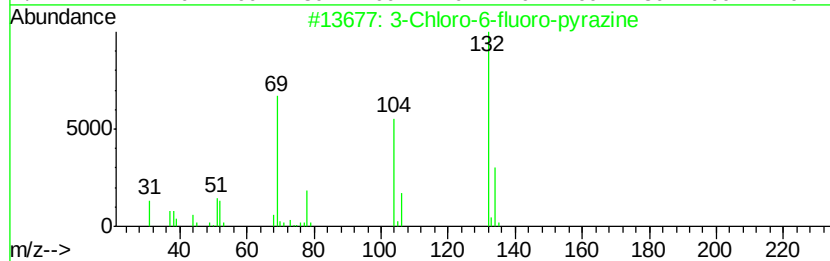
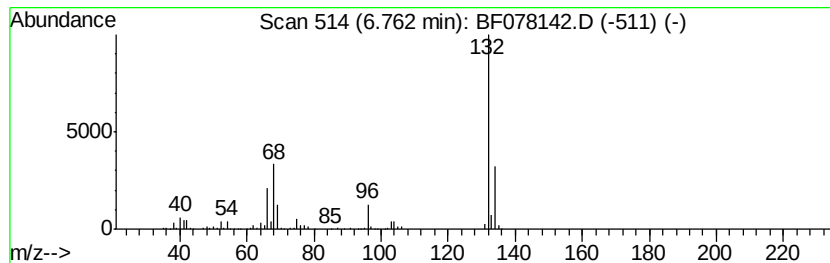
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 unknown6.76 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.76 | 66.36 ng | 774680 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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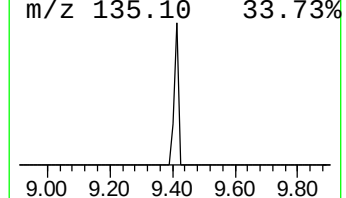
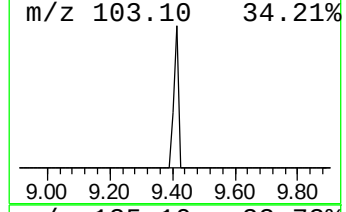
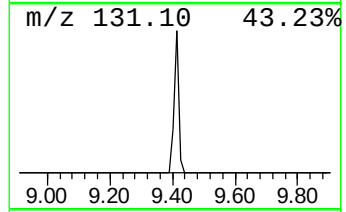
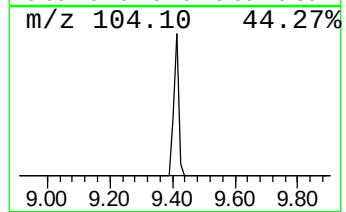
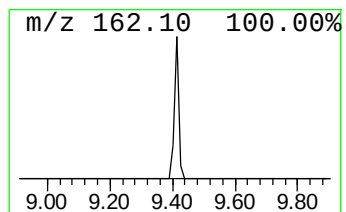
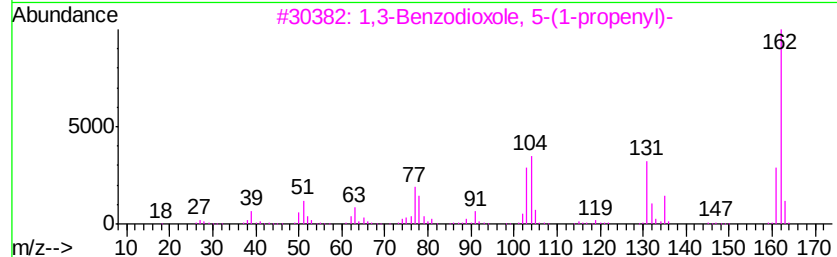
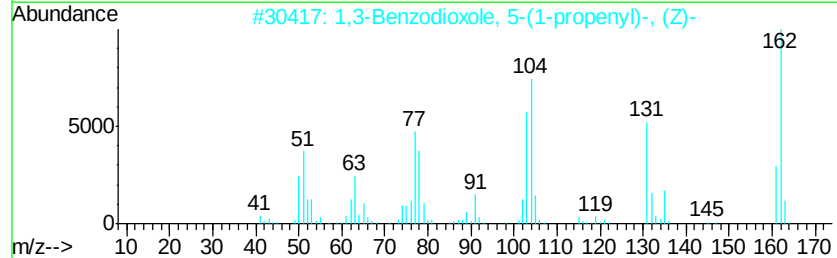
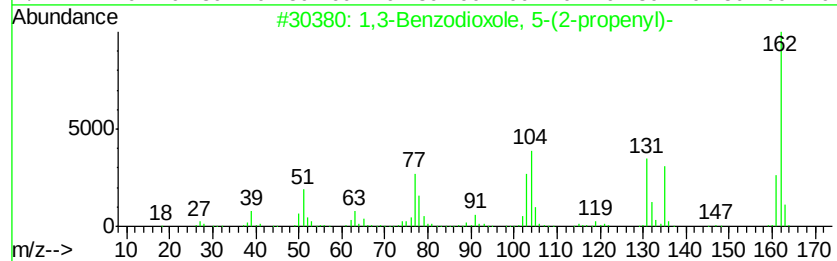
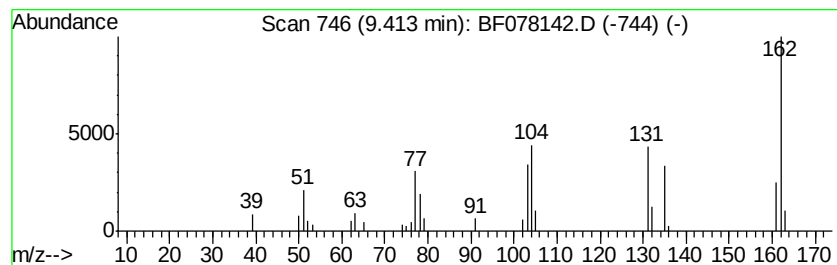
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1,3-Benzodioxole, 5-(2-prop... Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.41 | 2.91 ng | 47334 | Napthalene-d8    | 8.62 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,3-Benzodioxole, 5-(2-propenyl)-   | 162 | C10H10O2 | 000094-59-7 | 98   |
| 2    |    | 1,3-Benzodioxole, 5-(1-propenyl)... | 162 | C10H10O2 | 017627-76-8 | 95   |
| 3    |    | 1,3-Benzodioxole, 5-(1-propenyl)-   | 162 | C10H10O2 | 000120-58-1 | 95   |
| 4    |    | Benzene, 1,2-(methylenedioxy)-4-... | 162 | C10H10O2 | 004043-71-4 | 93   |
| 5    |    | 3(2H)-Benzofuranone, 4,6-dimethyl-  | 162 | C10H10O2 | 020895-44-7 | 52   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033115\  
Data File : BF078142.D  
Acq On : 1 Apr 2015 6:27  
Operator : TP/IZ  
Sample : G1704-05  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

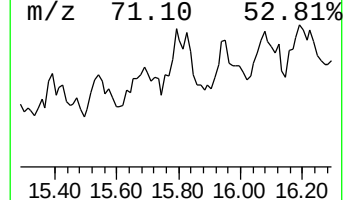
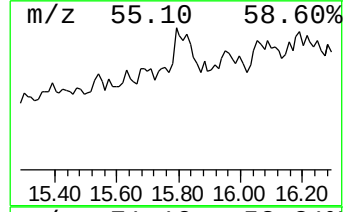
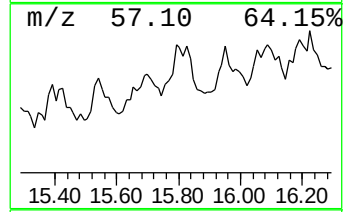
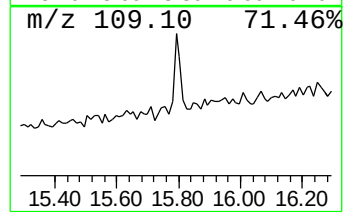
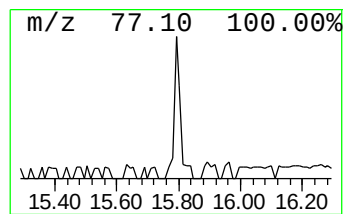
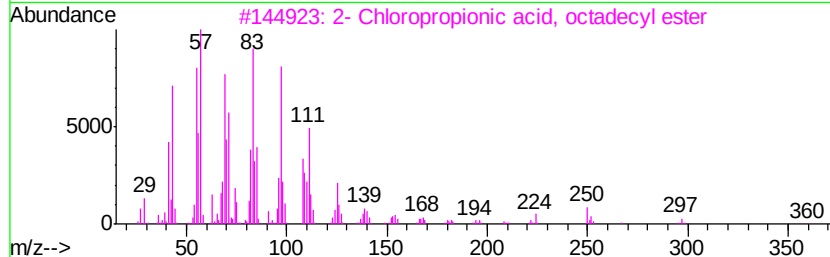
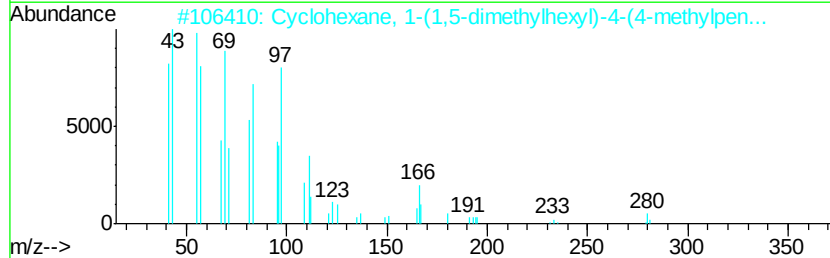
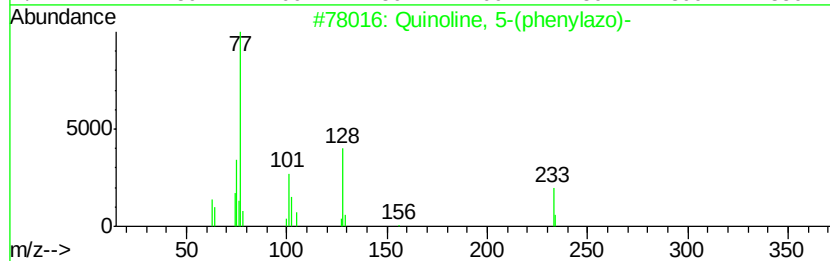
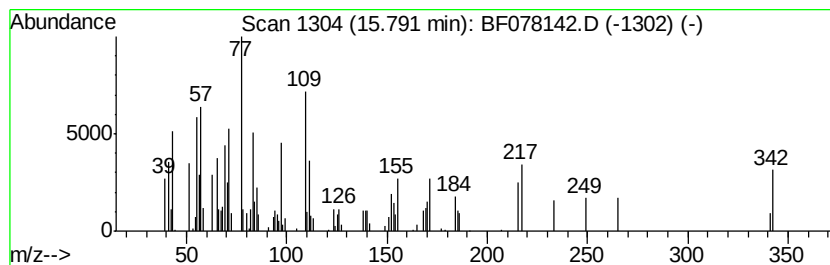
Instrument :  
BNA\_F  
ClientSampleId :  
S-13(0-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.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 9 unknown15.79 Concentration Rank 8

| R.T.      | EstConc                                                           | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------------------------------------|--------|------------------|--------------|------|
| 15.79     | 6.09 ng                                                           | 128706 | Chrysene-d12     | 15.89        |      |
| Hit# of 5 | Tentative ID                                                      | MW     | MolForm          | CAS#         | Qual |
| 1         | Quinoline, 5-(phenylazo)-                                         | 233    | C15H11N3         | 025117-46-8  | 12   |
| 2         | Cyclohexane, 1-(1,5-dimethylhexyl)-4-(4-methylphenyl)-            | 280    | C20H40           | 056009-20-2  | 10   |
| 3         | 2-Chloropropionic acid, octadecyl ester                           | 360    | C21H41ClO2       | 088104-31-8  | 10   |
| 4         | 2,6-Heptadienal, 2,4-dimethyl-                                    | 138    | C9H14O           | 085136-08-9  | 9    |
| 5         | 5-[[[(2-Methyl-furan-3-carbonyl)-methyl]oxy]methyl]-2-methylfuran | 249    | C12H11NO5        | 1000274-42-2 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033115\  
Data File : BF078142.D  
Acq On : 1 Apr 2015 6:27  
Operator : TP/IZ  
Sample : G1704-05  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-13(0-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.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 |
| Propane, 2,2-dime... | 1.21  | 31.6    | ng    | 368927   | 1                     | 7.05  | 233473 | 20.0 |
| Butane, 2-methoxy... | 1.48  | 6.7     | ng    | 78446    | 1                     | 7.05  | 233473 | 20.0 |
| 2-Pentanone, 4-hy... | 4.77  | 6.4     | ng    | 74273    | 1                     | 7.05  | 233473 | 20.0 |
| unknown6.76          | 6.76  | 66.4    | ng    | 774680   | 1                     | 7.05  | 233473 | 20.0 |
| 1,3-Benzodioxole,... | 9.41  | 2.9     | ng    | 47334    | 2                     | 8.62  | 325643 | 20.0 |
| unknown15.79         | 15.79 | 6.1     | ng    | 128706   | 5                     | 15.89 | 422982 | 20.0 |