

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041715\  
 Data File : BG016502.D  
 Acq On : 17 Apr 2015 23:20  
 Operator : TP/IZ  
 Sample : G1880-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5-2-24

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\_G\METHODS\8270-BG040615.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         | 2.752       | 6             | 11          | 20           | rVV      | 122573         | 242566        | 7.00%           | 1.119%        |
| 2         | 2.834       | 20            | 25          | 30           | rVV      | 118804         | 163458        | 4.72%           | 0.754%        |
| 3         | 4.773       | 350           | 355         | 363          | rVB      | 173883         | 234181        | 6.76%           | 1.080%        |
| 4         | 5.249       | 430           | 436         | 450          | rBV      | 1200855        | 1747211       | 50.40%          | 8.060%        |
| 5         | 6.847       | 701           | 708         | 724          | rBV      | 1197723        | 1897206       | 54.73%          | 8.752%        |
| 6         | 7.200       | 759           | 768         | 778          | rBV      | 1249137        | 1955010       | 56.39%          | 9.018%        |
| 7         | 7.658       | 840           | 846         | 853          | rBV      | 270442         | 407990        | 11.77%          | 1.882%        |
| 8         | 7.975       | 893           | 900         | 910          | rBV      | 913128         | 1474219       | 42.53%          | 6.801%        |
| 9         | 8.815       | 1036          | 1043        | 1051         | rBV      | 710671         | 1135087       | 32.74%          | 5.236%        |
| 10        | 10.443      | 1313          | 1320        | 1334         | rVB      | 364496         | 606291        | 17.49%          | 2.797%        |
| 11        | 12.922      | 1735          | 1742        | 1759         | rVB      | 1815145        | 2573273       | 74.23%          | 11.871%       |
| 12        | 13.762      | 1880          | 1885        | 1893         | rBV      | 46082          | 65514         | 1.89%           | 0.302%        |
| 13        | 14.303      | 1970          | 1977        | 1986         | rBV2     | 529855         | 795177        | 22.94%          | 3.668%        |
| 14        | 15.795      | 2224          | 2231        | 2250         | rBV      | 1124425        | 1582308       | 45.64%          | 7.299%        |
| 15        | 16.019      | 2262          | 2269        | 2276         | rBV      | 21138          | 38430         | 1.11%           | 0.177%        |
| 16        | 17.041      | 2436          | 2443        | 2453         | rBV2     | 680429         | 952825        | 27.49%          | 4.395%        |
| 17        | 17.946      | 2592          | 2597        | 2607         | rBV2     | 26546          | 51832         | 1.50%           | 0.239%        |
| 18        | 19.673      | 2885          | 2891        | 2905         | rBV      | 2687608        | 3466667       | 100.00%         | 15.992%       |
| 19        | 20.936      | 3101          | 3106        | 3116         | rBV      | 168952         | 252507        | 7.28%           | 1.165%        |
| 20        | 21.224      | 3149          | 3155        | 3168         | rBV      | 853110         | 1025034       | 29.57%          | 4.728%        |
| 21        | 23.457      | 3527          | 3535        | 3551         | rVB      | 516622         | 1011019       | 29.16%          | 4.664%        |

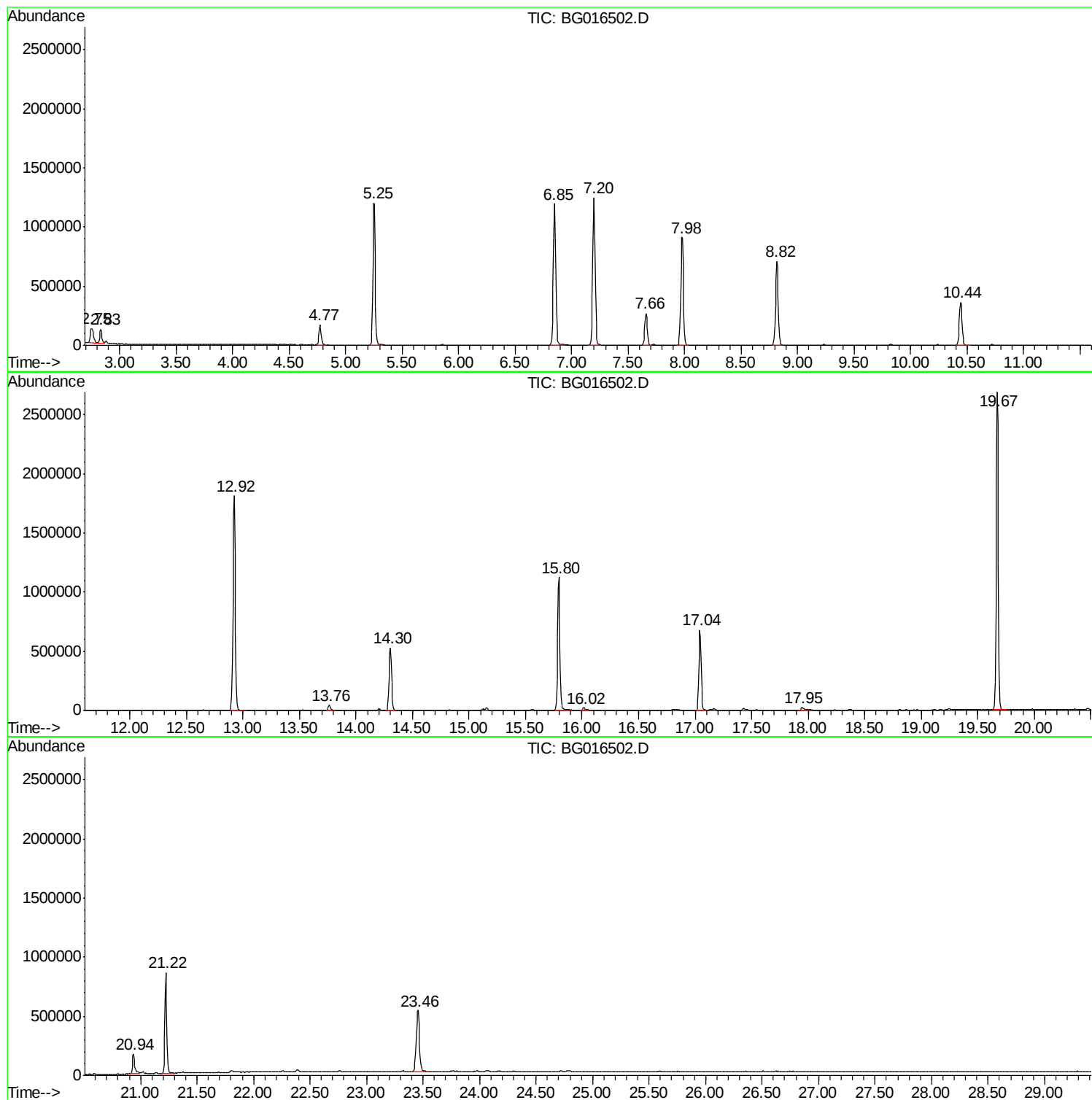
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ClientSampleId :  
S5-2-24

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.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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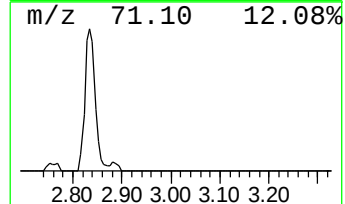
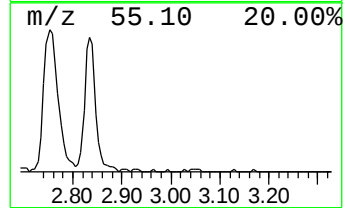
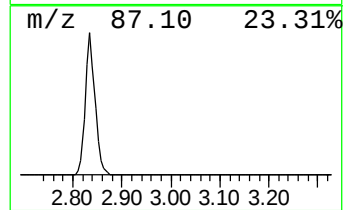
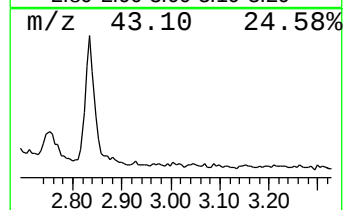
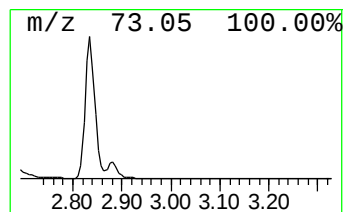
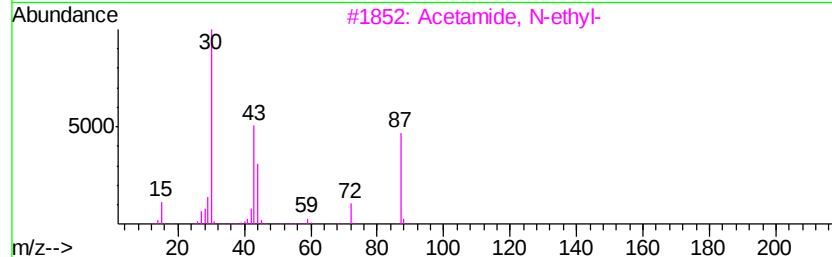
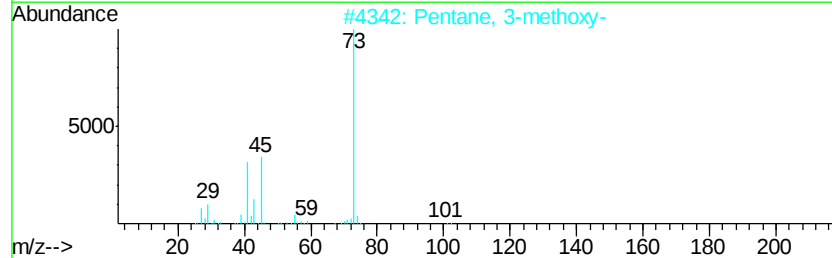
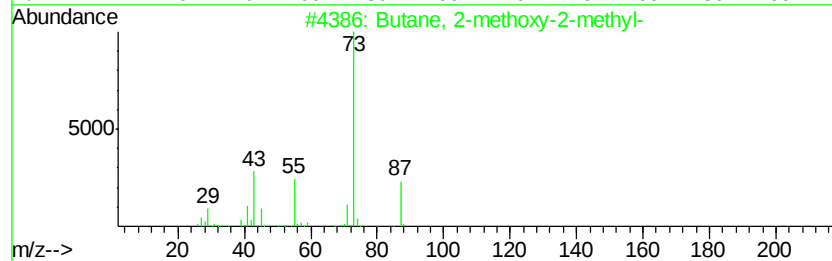
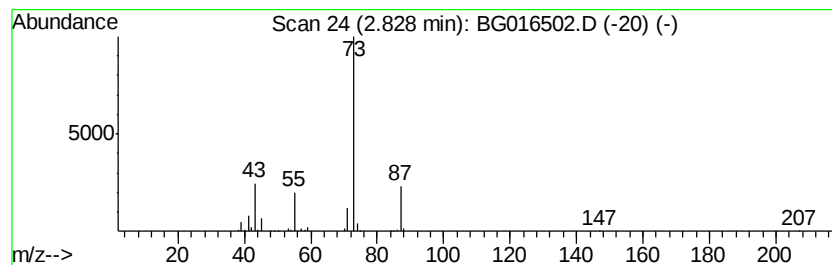
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.83 | 8.01 ng | 163458 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 78   |
| 2    |    | Pentane, 3-methoxy-                 | 102 | C6H14O  | 036839-67-5  | 17   |
| 3    |    | Acetamide, N-ethyl-                 | 87  | C4H9NO  | 000625-50-3  | 9    |
| 4    |    | N-Ethylformamide                    | 73  | C3H7NO  | 000627-45-2  | 9    |
| 5    |    | Acetic acid, 3-[1,3]dioxolan-2-y... | 174 | C8H14O4 | 1000186-02-3 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

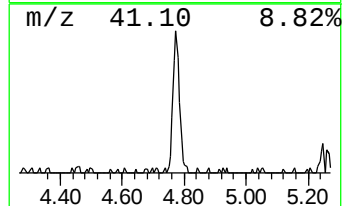
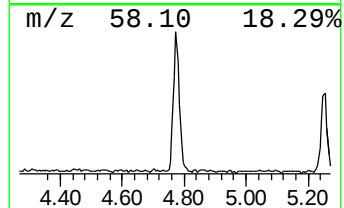
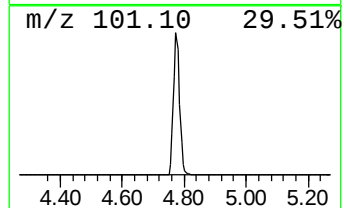
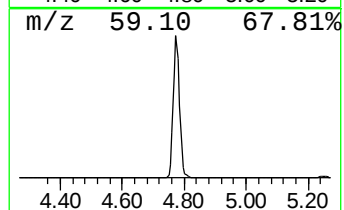
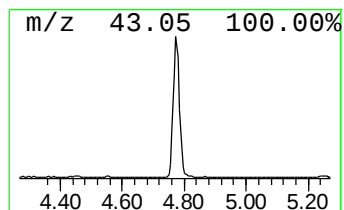
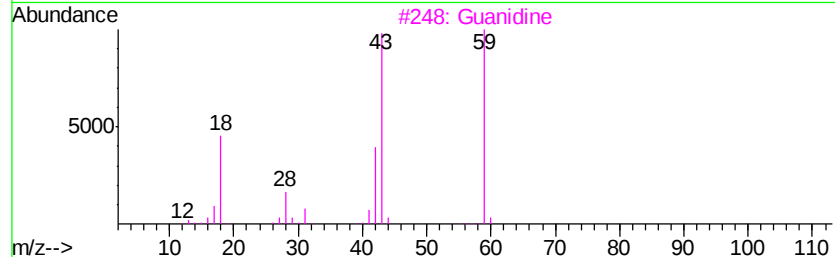
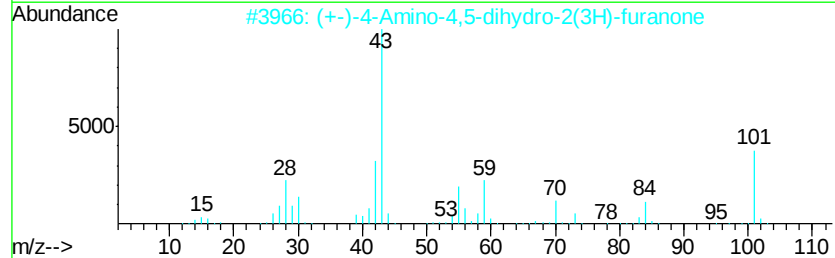
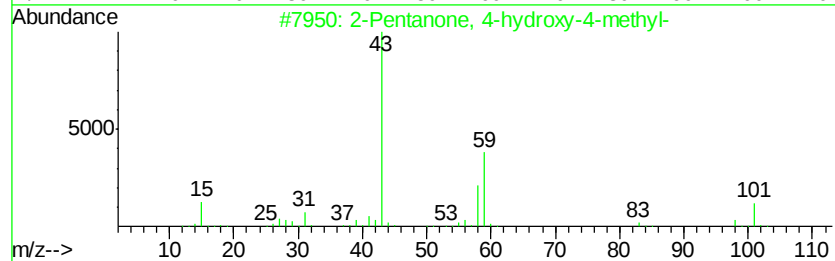
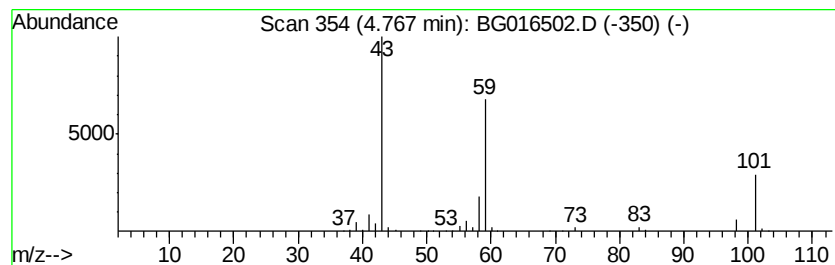
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.77 | 11.48 ng | 234181 | 1,4-Dichlorobenzene-d4 | 7.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 53   |
| 2    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 38   |
| 3    |    | Guanidine                           | 59  | CH5N3    | 000113-00-8 | 38   |
| 4    |    | 1,8-Nonanediol, 8-methyl-           | 174 | C10H22O2 | 054725-73-4 | 17   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |



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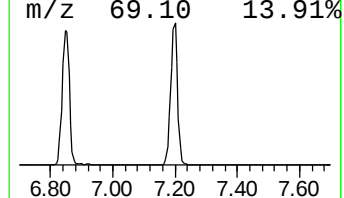
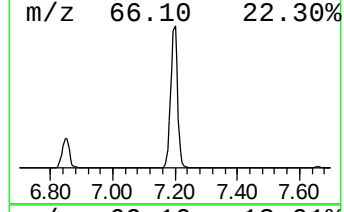
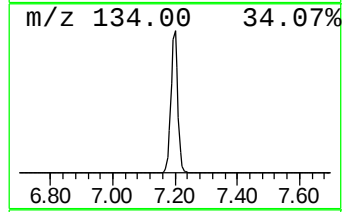
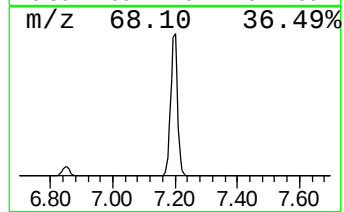
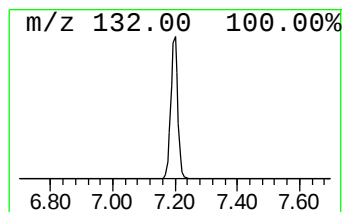
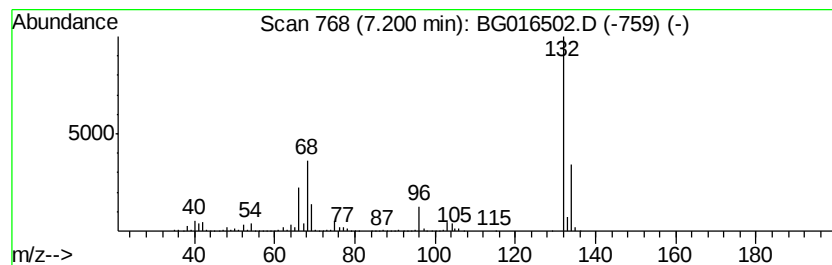
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 unknown7.20 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.20 | 95.84 ng | 1955010 | 1,4-Dichlorobenzene-d4 | 7.66 |

| 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  | 35   |
| 3    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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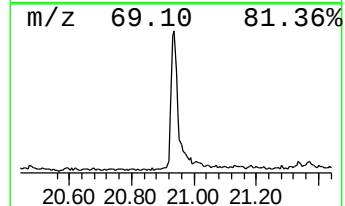
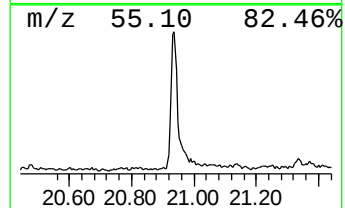
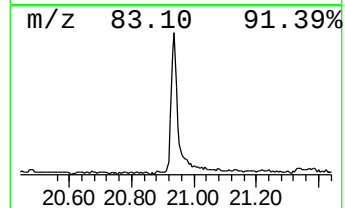
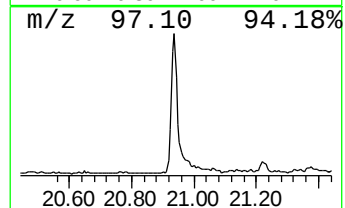
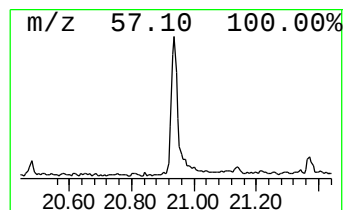
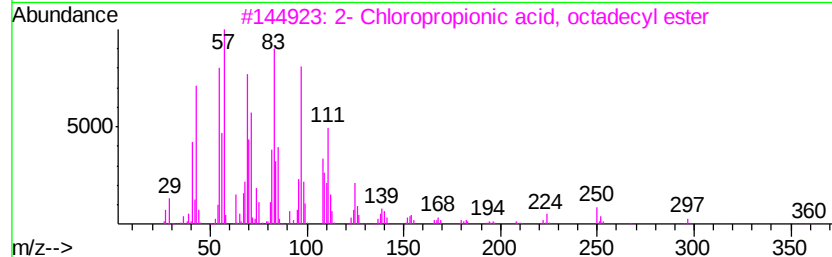
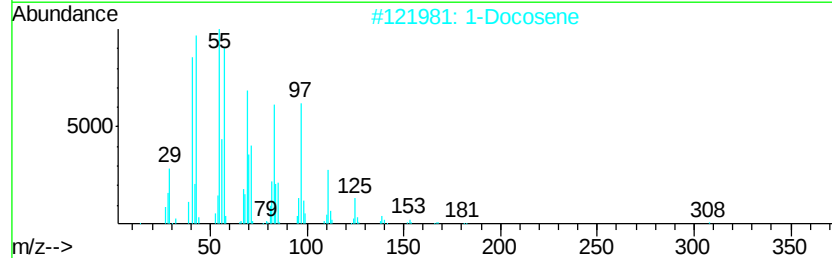
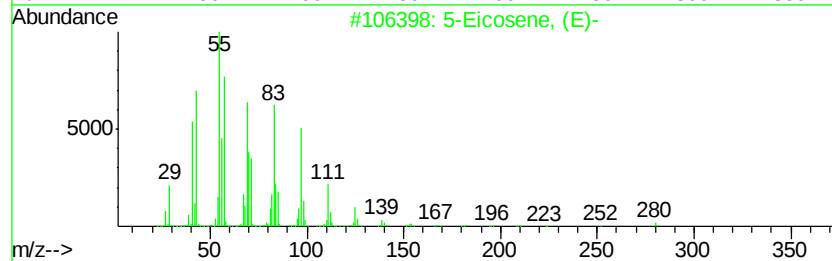
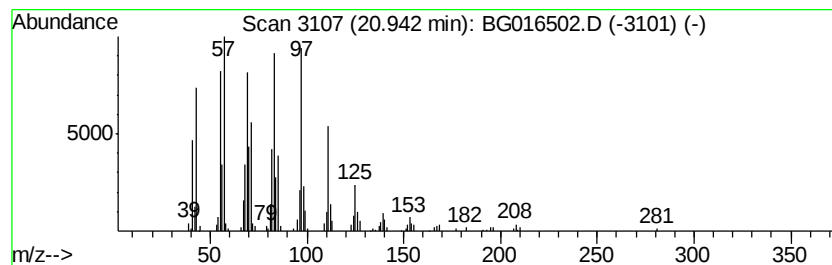
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\*\*\*\*\*  
Peak Number 6 5-Eicosene, (E)- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD                    |     | R.T.        |             |      |
|-------|---------|--------|-------------------------------------|-----|-------------|-------------|------|
| 20.94 | 4.93 ng | 252507 | Chrysene-d12                        |     | 21.22       |             |      |
| Hit#  | of      | 5      | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
| 1     |         |        | 5-Eicosene, (E)-                    | 280 | C20H40      | 074685-30-6 | 98   |
| 2     |         |        | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 93   |
| 3     |         |        | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8 | 93   |
| 4     |         |        | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7 | 91   |
| 5     |         |        | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.83  | 8.0     | ng    | 163458   | 1                     | 7.66  | 407990  | 20.0 |
| 2-Pentanone, 4-hy... | 4.77  | 11.5    | ng    | 234181   | 1                     | 7.66  | 407990  | 20.0 |
| unknown7.20          | 7.20  | 95.8    | ng    | 1955010  | 1                     | 7.66  | 407990  | 20.0 |
| 5-Eicosene, (E)-     | 20.94 | 4.9     | ng    | 252507   | 5                     | 21.22 | 1025030 | 20.0 |