

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061917\  
 Data File : BF096017.D  
 Acq On : 19 Jun 2017 21:07  
 Operator : SJ/MA  
 Sample : I3745-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-006-A

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-BF060517.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         | 1.557       | 10            | 12          | 57           | rVB      | 1468710        | 2918849       | 100.00%         | 15.154%       |
| 2         | 4.504       | 510           | 513         | 542          | rBV2     | 56485          | 195104        | 6.68%           | 1.013%        |
| 3         | 5.198       | 627           | 631         | 669          | rBV      | 805161         | 1760799       | 60.33%          | 9.141%        |
| 4         | 6.875       | 912           | 916         | 927          | rBV      | 1014810        | 1594576       | 54.63%          | 8.278%        |
| 5         | 6.963       | 927           | 931         | 949          | rVB      | 1300031        | 2061853       | 70.64%          | 10.704%       |
| 6         | 7.304       | 985           | 989         | 1008         | rVB      | 314927         | 452043        | 15.49%          | 2.347%        |
| 7         | 7.539       | 1024          | 1029        | 1047         | rBV      | 1044816        | 1438792       | 49.29%          | 7.470%        |
| 8         | 8.227       | 1141          | 1146        | 1175         | rBV      | 666605         | 1090949       | 37.38%          | 5.664%        |
| 9         | 9.333       | 1330          | 1334        | 1353         | rBV      | 372385         | 609637        | 20.89%          | 3.165%        |
| 10        | 11.116      | 1632          | 1637        | 1659         | rBV      | 1615174        | 2090614       | 71.62%          | 10.854%       |
| 11        | 11.821      | 1753          | 1757        | 1774         | rBV      | 77039          | 121138        | 4.15%           | 0.629%        |
| 12        | 12.157      | 1809          | 1814        | 1820         | rBV2     | 462477         | 622225        | 21.32%          | 3.230%        |
| 13        | 13.451      | 2029          | 2034        | 2053         | rBV      | 626667         | 961265        | 32.93%          | 4.991%        |
| 14        | 13.780      | 2085          | 2090        | 2099         | rBV      | 20008          | 31997         | 1.10%           | 0.166%        |
| 15        | 14.545      | 2217          | 2220        | 2235         | rVB      | 356718         | 558763        | 19.14%          | 2.901%        |
| 16        | 15.574      | 2391          | 2395        | 2404         | rBV2     | 42266          | 54826         | 1.88%           | 0.285%        |
| 17        | 16.386      | 2530          | 2533        | 2540         | rBV      | 45580          | 62597         | 2.14%           | 0.325%        |
| 18        | 16.692      | 2580          | 2585        | 2594         | rBV2     | 50150          | 80343         | 2.75%           | 0.417%        |
| 19        | 16.927      | 2620          | 2625        | 2634         | rVB      | 1184661        | 1352955       | 46.35%          | 7.024%        |
| 20        | 18.186      | 2833          | 2839        | 2849         | rBV4     | 58348          | 95818         | 3.28%           | 0.497%        |
| 21        | 18.274      | 2850          | 2854        | 2870         | rVB      | 330693         | 465383        | 15.94%          | 2.416%        |
| 22        | 19.415      | 3045          | 3048        | 3054         | rVB2     | 27361          | 35814         | 1.23%           | 0.186%        |
| 23        | 19.562      | 3069          | 3073        | 3076         | rBV      | 34203          | 42558         | 1.46%           | 0.221%        |
| 24        | 19.844      | 3118          | 3121        | 3125         | rBV      | 25066          | 36088         | 1.24%           | 0.187%        |
| 25        | 19.903      | 3128          | 3131        | 3134         | rVV      | 34497          | 37720         | 1.29%           | 0.196%        |
| 26        | 19.944      | 3134          | 3138        | 3150         | rVV      | 310535         | 440221        | 15.08%          | 2.285%        |
| 27        | 21.162      | 3337          | 3345        | 3354         | rVB9     | 16074          | 48856         | 1.67%           | 0.254%        |

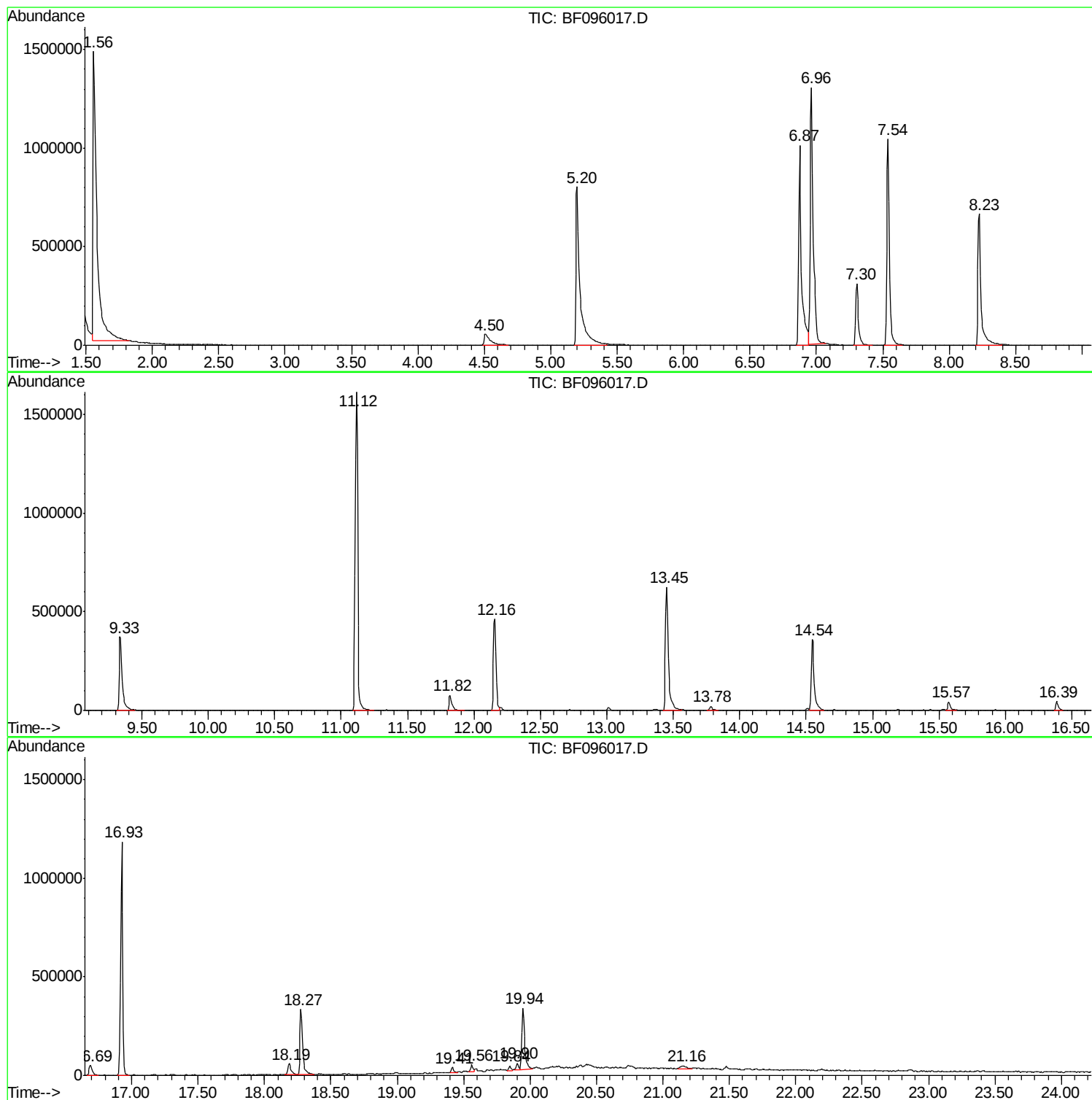
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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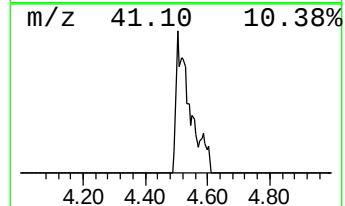
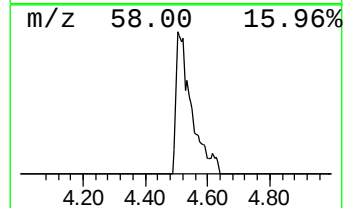
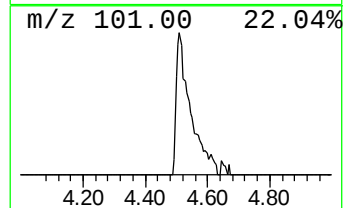
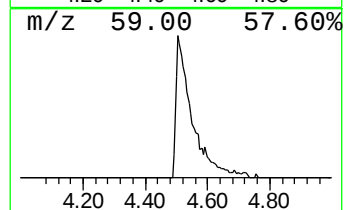
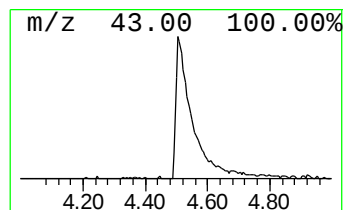
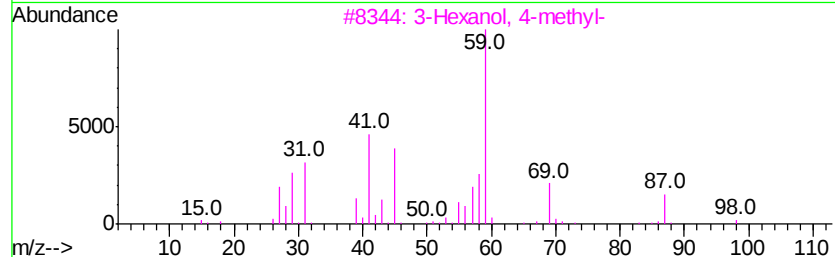
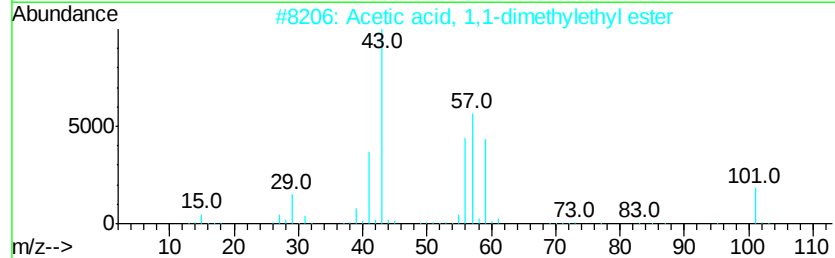
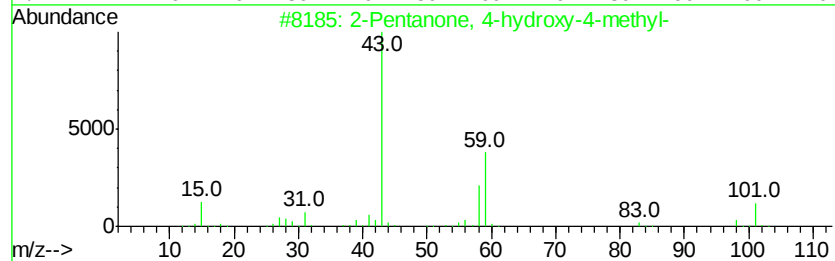
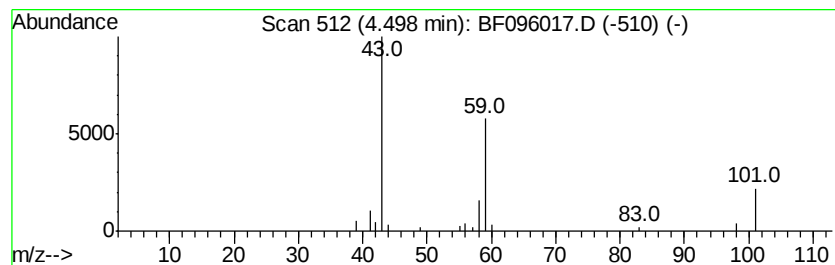
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.50 | 8.63 ng | 195104 | 1,4-Dichlorobenzene-d4 | 7.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 72   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 28   |
| 4    |    | Butyl aldoxime, 3-methyl-, syn-     | 101 | C5H11NO | 005780-40-5 | 9    |
| 5    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

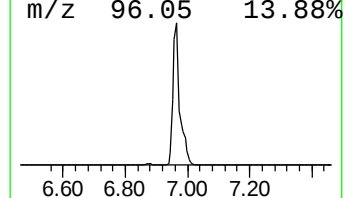
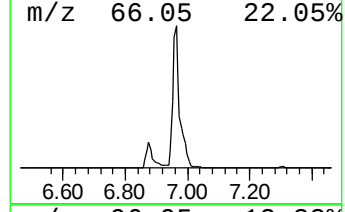
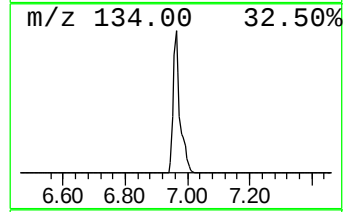
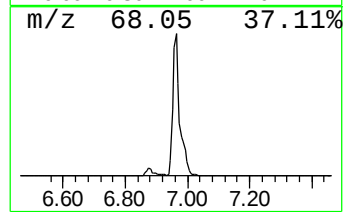
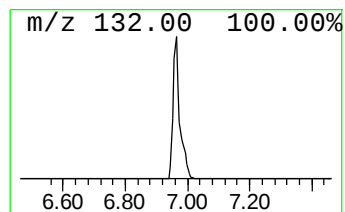
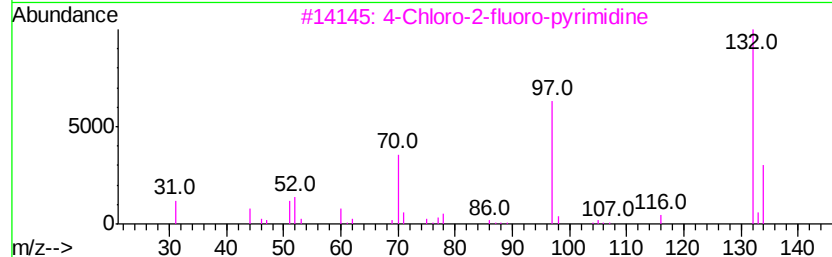
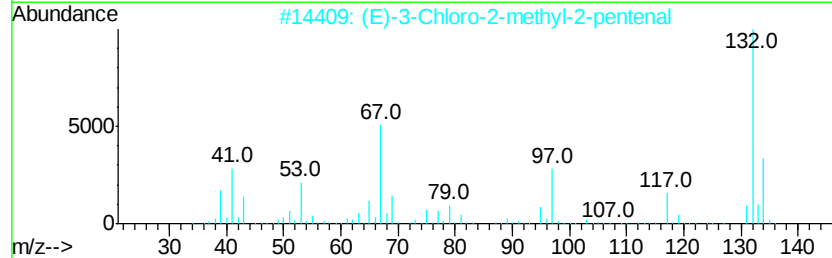
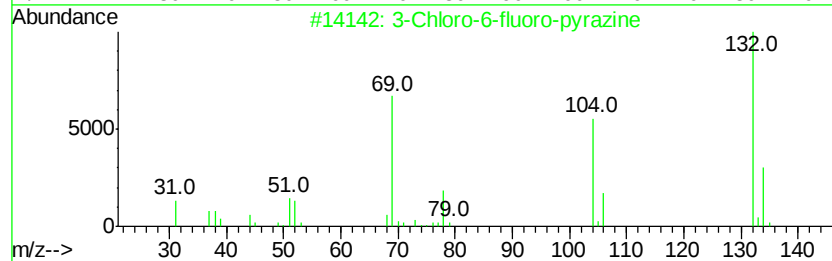
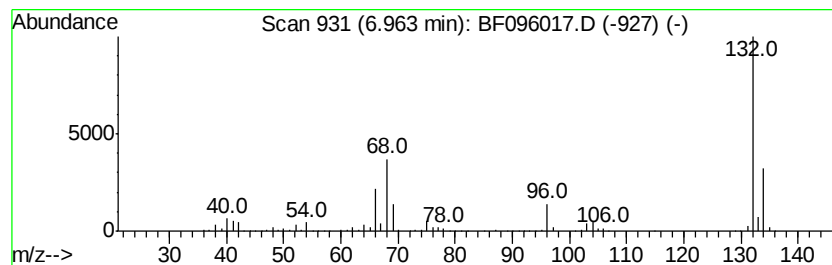
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.96 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.96 | 91.22 ng | 2061850 | 1,4-Dichlorobenzene-d4 | 7.30 |

| 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  | 17   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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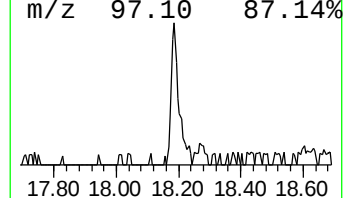
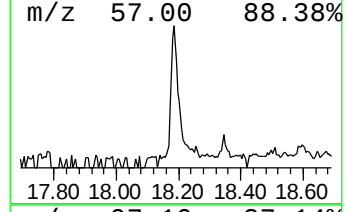
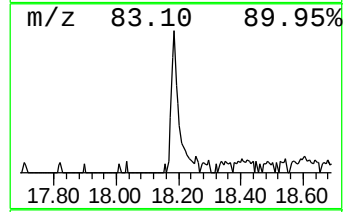
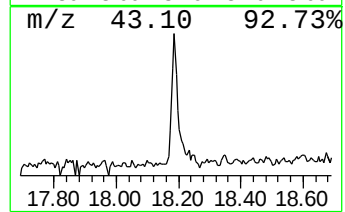
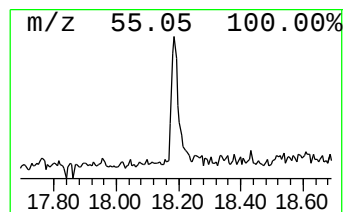
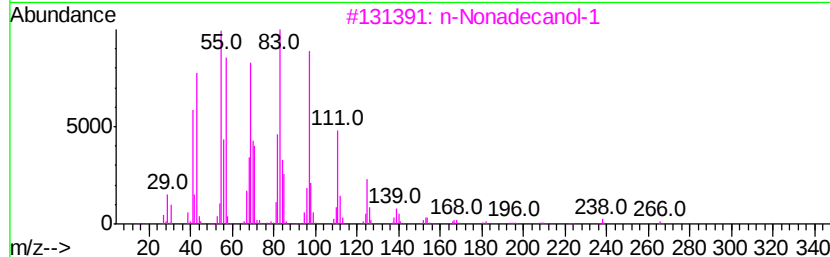
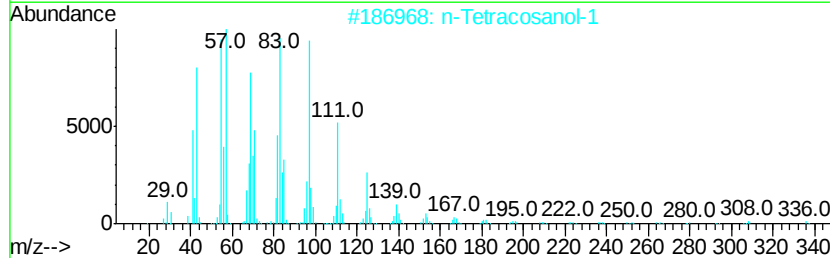
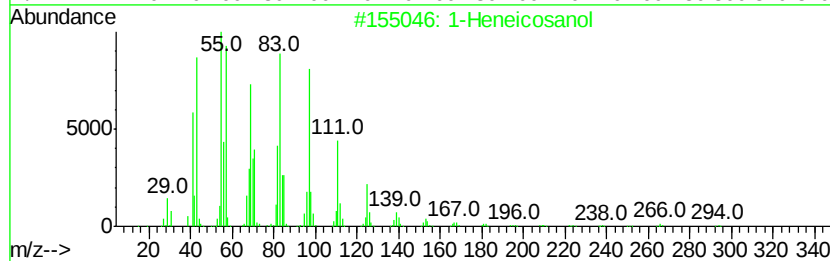
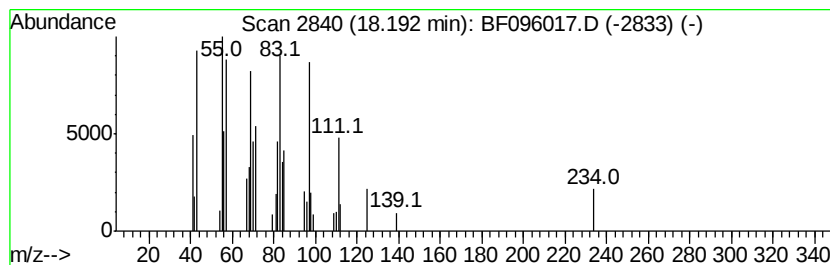
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 1-Heneicosanol Concentration Rank 5

| R.T.      | EstConc          | Area  | Relative to ISTD |             | R.T.  |
|-----------|------------------|-------|------------------|-------------|-------|
| 18.19     | 4.12 ng          | 95818 | Chrysene-d12     |             | 18.27 |
| Hit# of 5 | Tentative ID     | MW    | MolForm          | CAS#        | Qual  |
| 1         | 1-Heneicosanol   | 312   | C21H44O          | 015594-90-8 | 95    |
| 2         | n-Tetracosanol-1 | 354   | C24H50O          | 000506-51-4 | 91    |
| 3         | n-Nonadecanol-1  | 284   | C19H40O          | 001454-84-8 | 90    |
| 4         | Behenic alcohol  | 326   | C22H46O          | 000661-19-8 | 90    |
| 5         | 1-Hexadecanol    | 242   | C16H34O          | 036653-82-4 | 87    |



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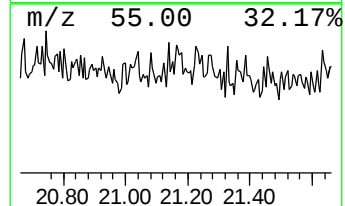
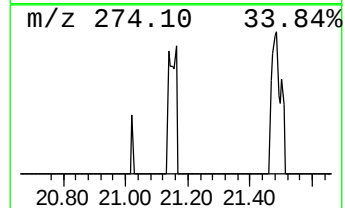
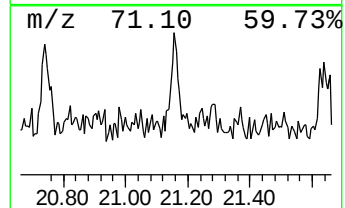
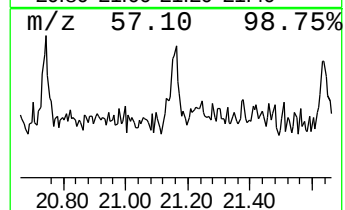
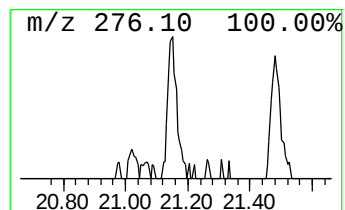
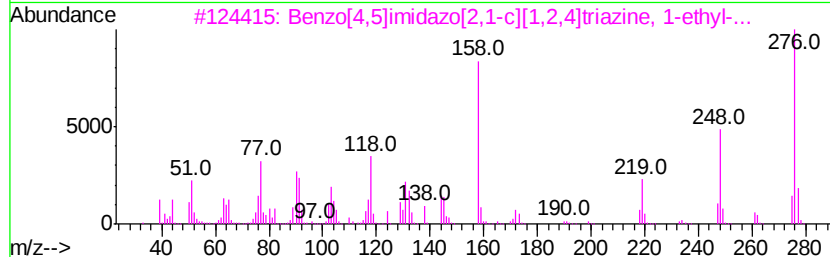
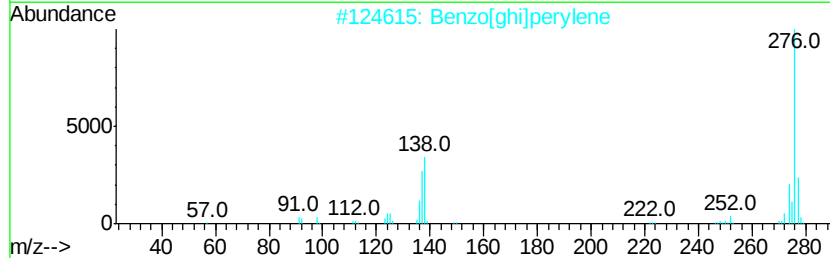
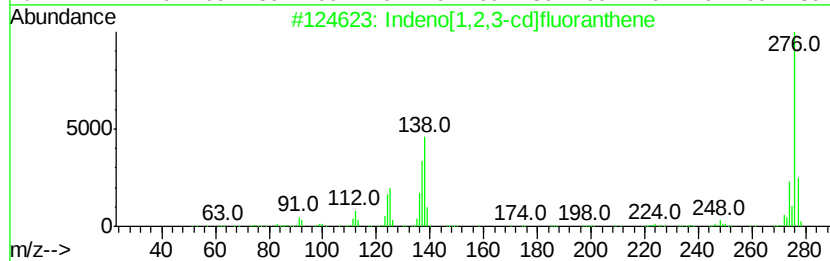
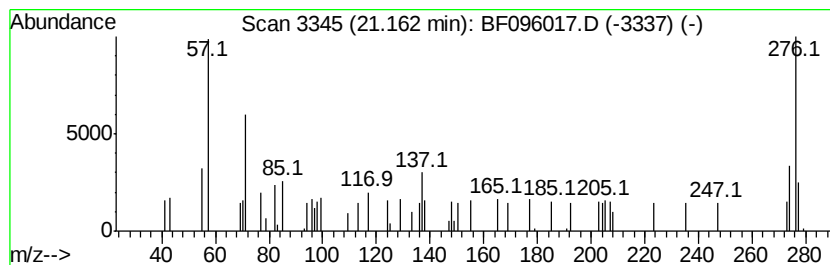
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\*\*\*\*\*  
Peak Number 6 Indeno[1,2,3-cd]fluoranthene Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.         |              |      |
|---------|---------|-------------------------------------|------------------|--------------|--------------|------|
| 21.16   | 2.22 ng | 48856                               | Perylene-d12     | 19.94        |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm      | CAS#         | Qual |
| 1       |         | Indeno[1,2,3-cd]fluoranthene        | 276              | C22H12       | 000193-43-1  | 47   |
| 2       |         | Benzo[ghi]perylene                  | 276              | C22H12       | 000191-24-2  | 43   |
| 3       |         | Benzo[4,5]imidazo[2,1-c][1,2,4]t... | 276              | C17H16N4     | 1000302-82-6 | 43   |
| 4       |         | 2,2,2-Trifluoro-N-(6-Methoxy-1,3... | 276              | C10H7F3N2O2S | 1000373-10-6 | 43   |
| 5       |         | 6-Nitro-3-carbethoxy-1,2,5-trime... | 276              | C14H16N2O4   | 052916-00-4  | 38   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.50  | 8.6     | ng    | 195104   | 1                     | 7.30  | 452043 | 20.0 |
| unknown6.96          | 6.96  | 91.2    | ng    | 2061850  | 1                     | 7.30  | 452043 | 20.0 |
| 1-Heneicosanol       | 18.19 | 4.1     | ng    | 95818    | 5                     | 18.27 | 465383 | 20.0 |
| Indeno[1,2,3-cd]f... | 21.16 | 2.2     | ng    | 48856    | 6                     | 19.94 | 440221 | 20.0 |