

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101517\  
 Data File : BF099529.D  
 Acq On : 15 Oct 2017 22:33  
 Operator : SJ/JU  
 Sample : I5857-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-018

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-BF092317.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         | 5.063       | 503           | 506         | 527          | rBV      | 207683         | 251579        | 16.44%          | 1.866%        |
| 2         | 5.469       | 571           | 575         | 588          | rBV      | 1434038        | 1489242       | 97.35%          | 11.047%       |
| 3         | 6.481       | 743           | 747         | 763          | rBV      | 1524779        | 1505122       | 98.38%          | 11.165%       |
| 4         | 6.616       | 766           | 770         | 773          | rBV      | 1777211        | 1526551       | 99.79%          | 11.324%       |
| 5         | 6.845       | 805           | 809         | 817          | rBV      | 552178         | 466588        | 30.50%          | 3.461%        |
| 6         | 6.998       | 831           | 835         | 839          | rBV      | 1489058        | 1227362       | 80.23%          | 9.104%        |
| 7         | 7.410       | 901           | 905         | 920          | rBV      | 976308         | 877199        | 57.34%          | 6.507%        |
| 8         | 8.128       | 1023          | 1027        | 1035         | rBV      | 646064         | 572405        | 37.42%          | 4.246%        |
| 9         | 8.681       | 1118          | 1121        | 1126         | rBV      | 95218          | 75303         | 4.92%           | 0.559%        |
| 10        | 9.198       | 1205          | 1209        | 1212         | rBV      | 1958121        | 1529831       | 100.00%         | 11.348%       |
| 11        | 9.592       | 1273          | 1276        | 1285         | rBV      | 222793         | 173500        | 11.34%          | 1.287%        |
| 12        | 9.880       | 1321          | 1325        | 1333         | rBB      | 624361         | 512289        | 33.49%          | 3.800%        |
| 13        | 10.592      | 1442          | 1446        | 1449         | rBV      | 284922         | 225436        | 14.74%          | 1.672%        |
| 14        | 10.669      | 1456          | 1459        | 1466         | rBV      | 696081         | 595204        | 38.91%          | 4.415%        |
| 15        | 11.369      | 1575          | 1578        | 1584         | rBV      | 493971         | 398229        | 26.03%          | 2.954%        |
| 16        | 12.951      | 1843          | 1847        | 1850         | rBV      | 1268583        | 1073843       | 70.19%          | 7.965%        |
| 17        | 13.833      | 1993          | 1997        | 2007         | rBV      | 50810          | 72384         | 4.73%           | 0.537%        |
| 18        | 14.010      | 2024          | 2027        | 2034         | rBV      | 502179         | 470076        | 30.73%          | 3.487%        |
| 19        | 15.486      | 2272          | 2278        | 2286         | rBV      | 350625         | 439103        | 28.70%          | 3.257%        |

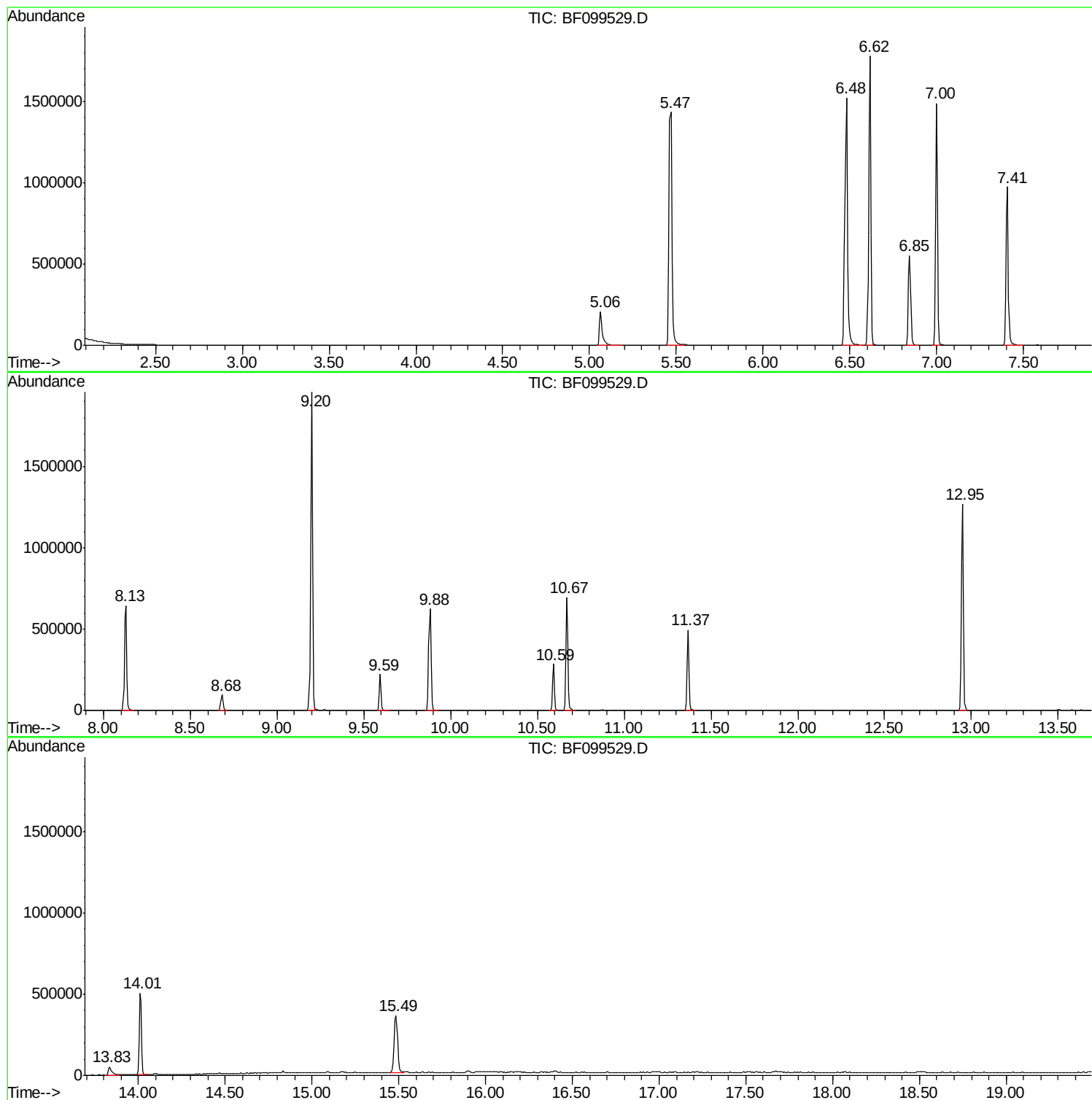
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Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101517\  
Data File : BF099529.D  
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Operator : SJ/JU  
Sample : I5857-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-018

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.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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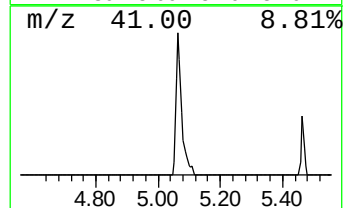
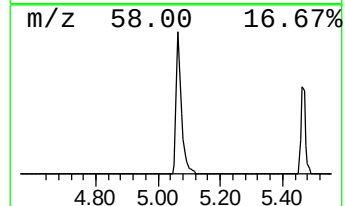
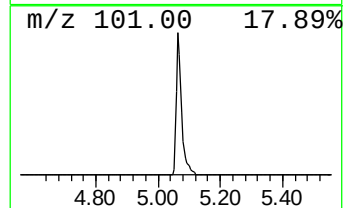
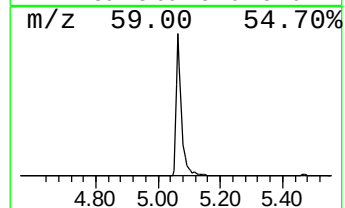
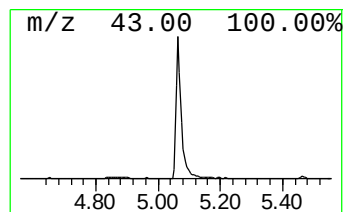
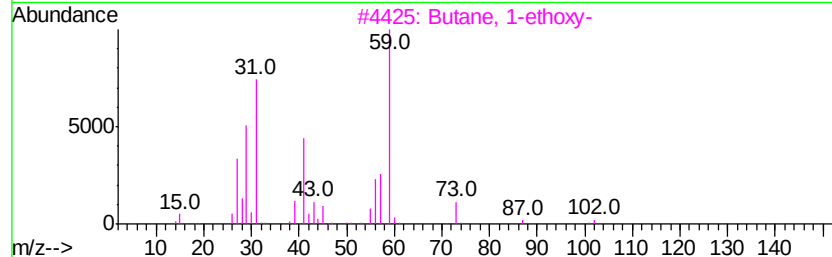
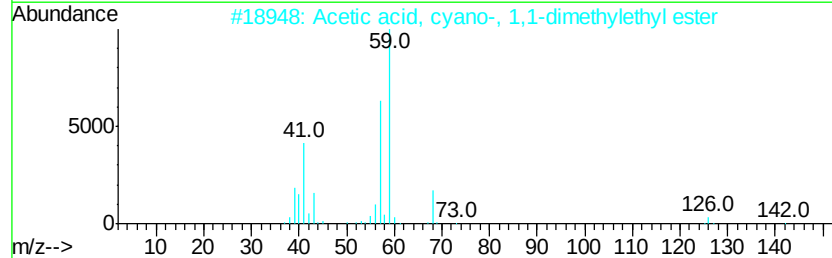
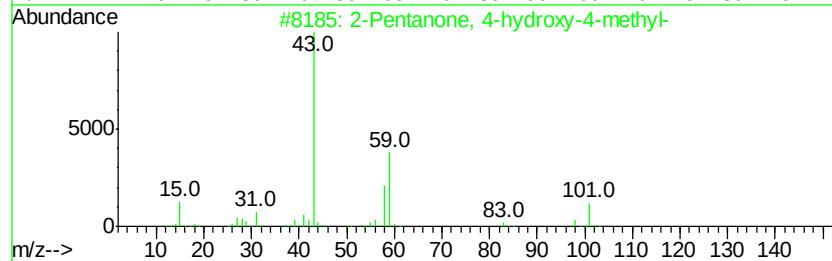
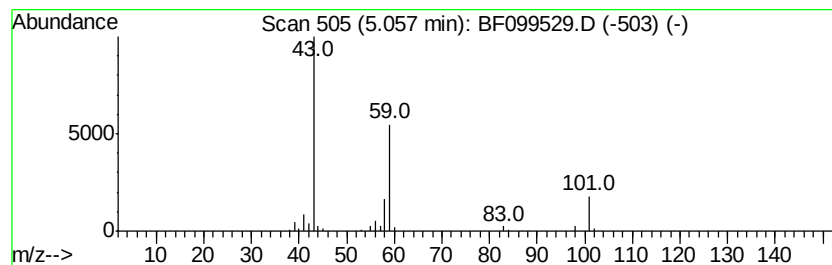
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.06 | 10.78 ng | 251579 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |



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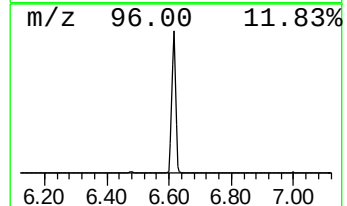
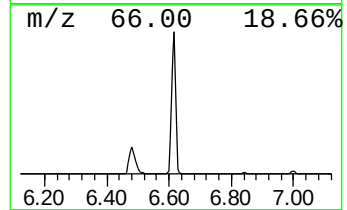
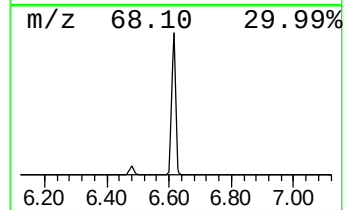
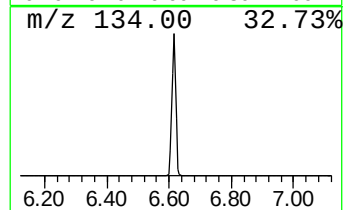
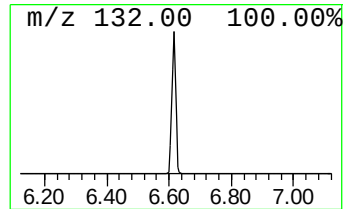
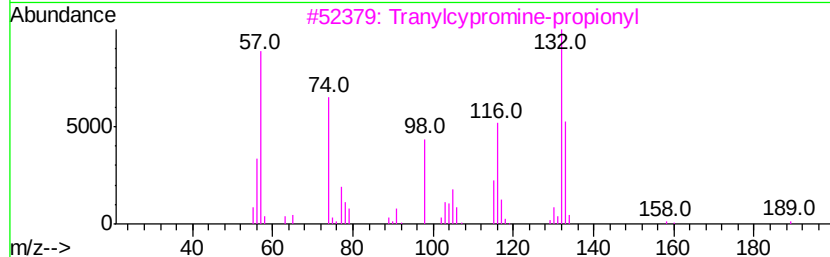
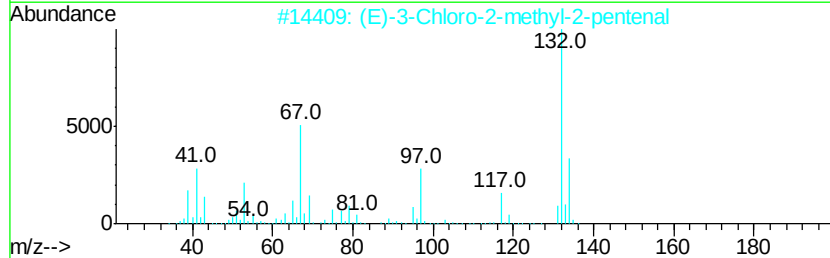
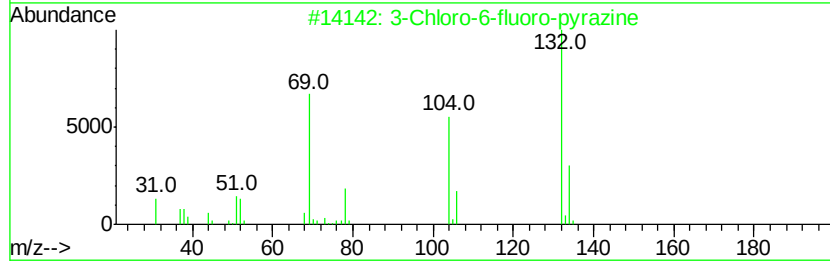
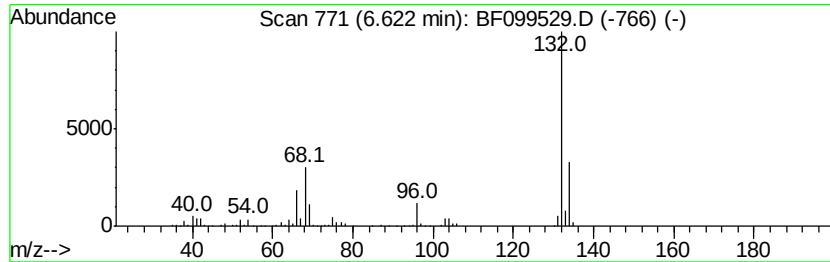
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.62 | 65.43 ng | 1526550 | 1,4-Dichlorobenzene-d4 | 6.85 |

| 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    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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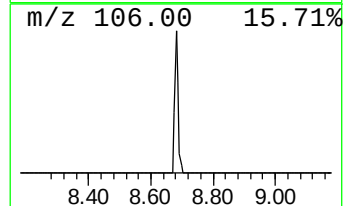
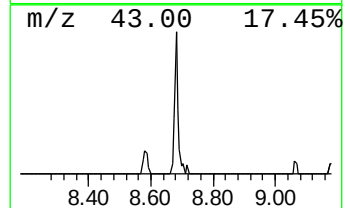
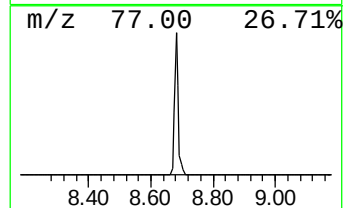
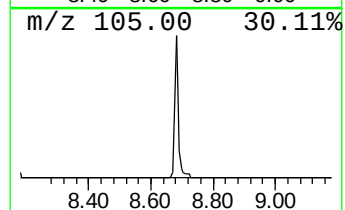
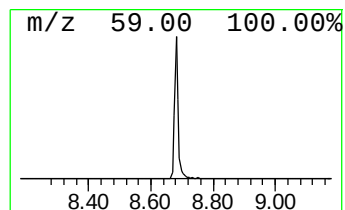
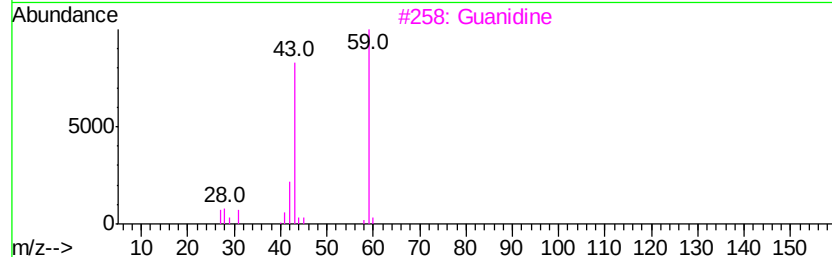
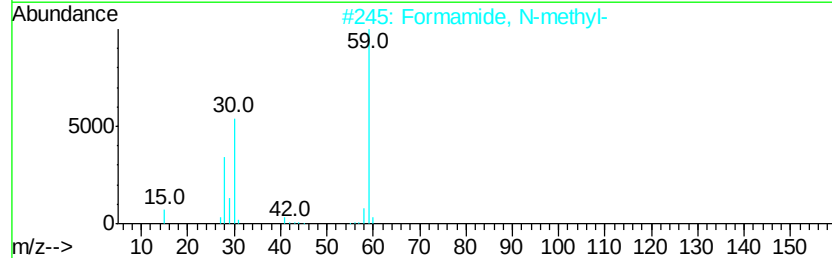
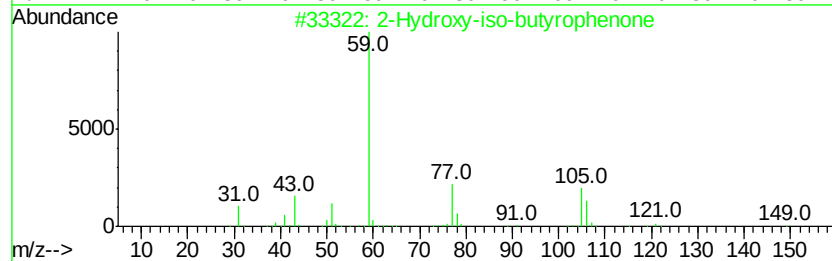
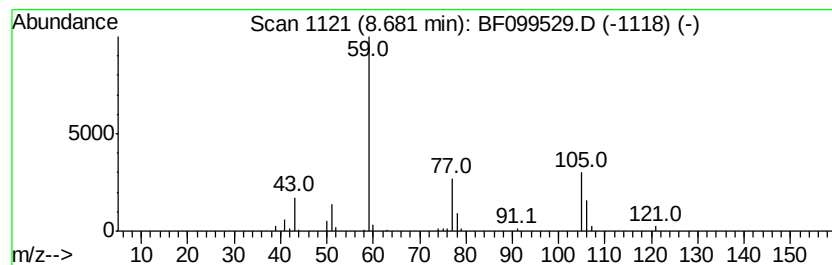
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-018

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

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Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 6

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 8.68      | 2.63 ng                             | 75303 | Napthalene-d8    | 8.13        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | 2-Hydroxy-iso-butyrophenone         | 164   | C10H12O2         | 007473-98-5 | 86   |
| 2         | Formamide, N-methyl-                | 59    | C2H5NO           | 000123-39-7 | 5    |
| 3         | Guanidine                           | 59    | CH5N3            | 000113-00-8 | 5    |
| 4         | Acetamide                           | 59    | C2H5NO           | 000060-35-5 | 5    |
| 5         | Methyl difluoro(fluorosulfonyl)a... | 192   | C3H3F3O4S        | 000680-15-9 | 4    |



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Sample : I5857-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

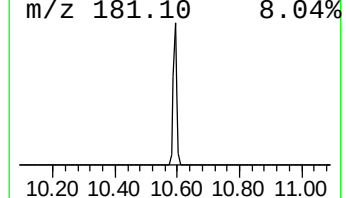
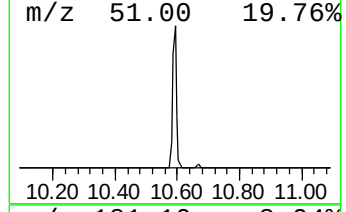
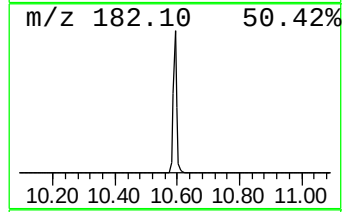
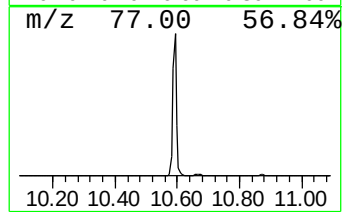
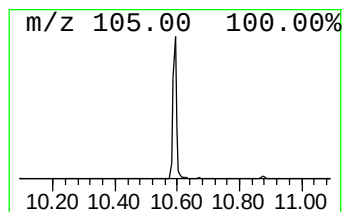
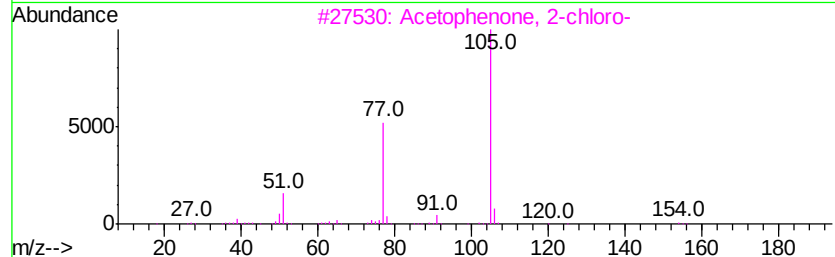
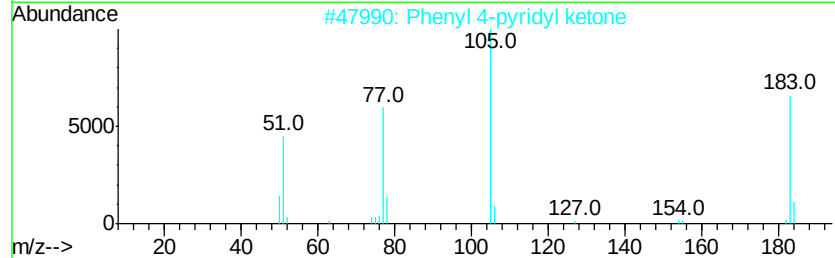
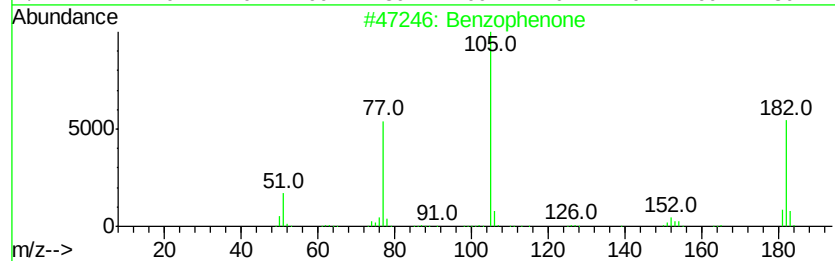
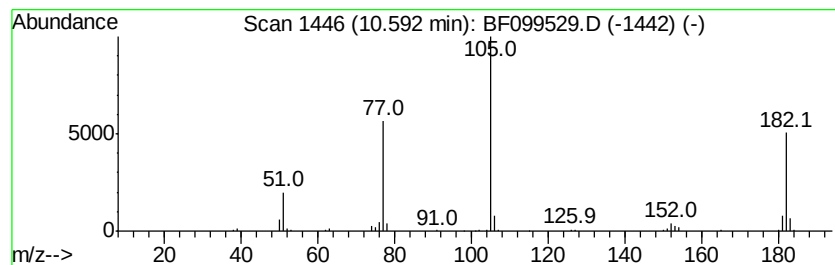
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Peak Number 5 Benzophenone Concentration Rank 4

| R.T.    | EstConc | Area                           | Relative to ISTD | R.T.           |
|---------|---------|--------------------------------|------------------|----------------|
| 10.59   | 8.80 ng | 225436                         | Acenaphthene-d10 | 9.88           |
| Hit# of | 5       | Tentative ID                   | MW MolForm       | CAS# Qual      |
| 1       |         | Benzophenone                   | 182 C13H10O      | 000119-61-9 96 |
| 2       |         | Phenyl 4-pyridyl ketone        | 183 C12H9NO      | 014548-46-0 50 |
| 3       |         | Acetophenone, 2-chloro-        | 154 C8H7ClO      | 000532-27-4 49 |
| 4       |         | Benzenecarbothioic acid        | 138 C7H6OS       | 000098-91-9 47 |
| 5       |         | 1-Propanone, 2-bromo-1-phenyl- | 212 C9H9BrO      | 002114-00-3 47 |



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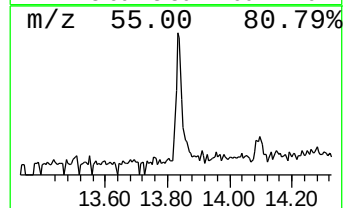
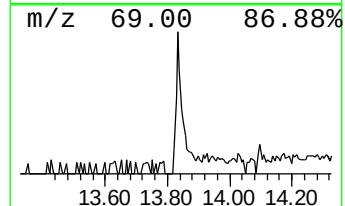
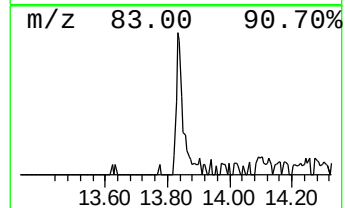
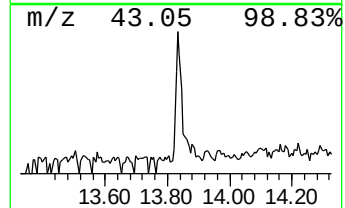
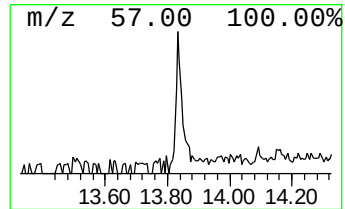
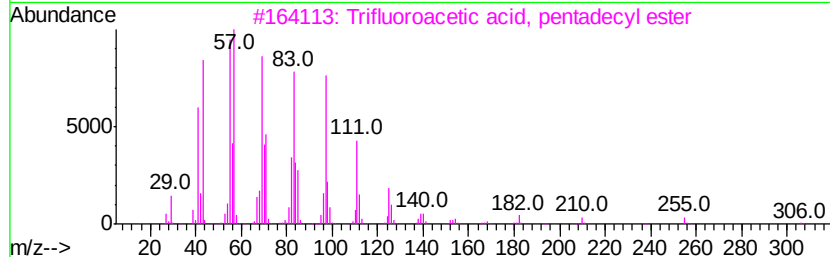
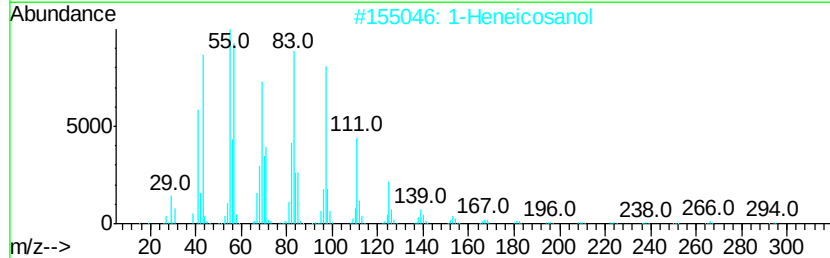
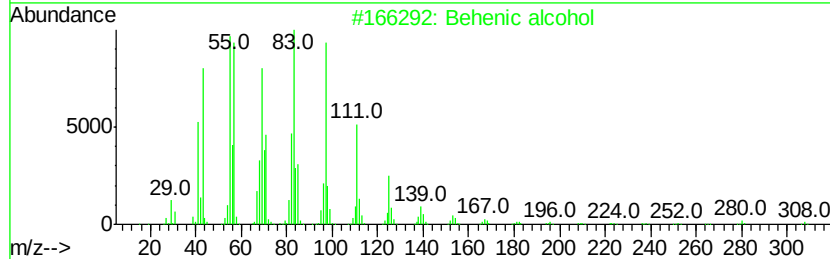
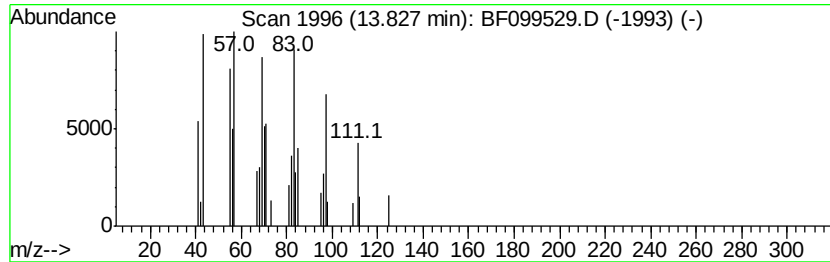
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Peak Number 6 Behenic alcohol Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 13.83     | 3.08 ng                             | 72384 | Chrysene-d12     | 14.01       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Behenic alcohol                     | 326   | C22H46O          | 000661-19-8 | 95   |
| 2         | 1-Heneicosanol                      | 312   | C21H44O          | 015594-90-8 | 95   |
| 3         | Trifluoroacetic acid, pentadecyl... | 324   | C17H31F3O2       | 959010-23-2 | 94   |
| 4         | 1-Heptacosanol                      | 396   | C27H56O          | 002004-39-9 | 93   |
| 5         | n-Tetracosanol-1                    | 354   | C24H50O          | 000506-51-4 | 93   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.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 |
| 2-Pentanone, 4-hy... | 5.06  | 10.8    | ng    | 251579   | 1                     | 6.85  | 466588 | 20.0 |
| unknown6.62          | 6.62  | 65.4    | ng    | 1526550  | 1                     | 6.85  | 466588 | 20.0 |
| 2-Hydroxy-iso-but... | 8.68  | 2.6     | ng    | 75303    | 2                     | 8.13  | 572405 | 20.0 |
| Benzophenone         | 10.59 | 8.8     | ng    | 225436   | 3                     | 9.88  | 512289 | 20.0 |
| Behenic alcohol      | 13.83 | 3.1     | ng    | 72384    | 5                     | 14.01 | 470076 | 20.0 |