

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\  
 Data File : BF102452.D  
 Acq On : 26 Jan 2018 4:12  
 Operator : SJ/JU  
 Sample : J1300-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MANHOLE

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-BF012218.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         | 4.969       | 474           | 490         | 492          | rBV      | 4134886        | 12330446      | 100.00%         | 39.582%       |
| 2         | 5.334       | 548           | 552         | 563          | rBV      | 323769         | 381153        | 3.09%           | 1.224%        |
| 3         | 6.357       | 723           | 726         | 738          | rBV2     | 488390         | 584589        | 4.74%           | 1.877%        |
| 4         | 6.487       | 744           | 748         | 756          | rBV      | 1174539        | 1107487       | 8.98%           | 3.555%        |
| 5         | 6.716       | 783           | 787         | 794          | rBV      | 992542         | 809035        | 6.56%           | 2.597%        |
| 6         | 6.875       | 809           | 814         | 817          | rBV      | 2870900        | 2582350       | 20.94%          | 8.290%        |
| 7         | 7.286       | 879           | 884         | 887          | rBV      | 1946664        | 1849055       | 15.00%          | 5.936%        |
| 8         | 7.998       | 1001          | 1005        | 1019         | rBV      | 1168231        | 1025586       | 8.32%           | 3.292%        |
| 9         | 9.075       | 1184          | 1188        | 1199         | rVV      | 3495337        | 3393140       | 27.52%          | 10.892%       |
| 10        | 9.469       | 1250          | 1255        | 1264         | rBV      | 133541         | 144977        | 1.18%           | 0.465%        |
| 11        | 9.751       | 1299          | 1303        | 1312         | rBV      | 1039529        | 944281        | 7.66%           | 3.031%        |
| 12        | 10.463      | 1420          | 1424        | 1431         | rBV      | 388416         | 364090        | 2.95%           | 1.169%        |
| 13        | 10.539      | 1434          | 1437        | 1449         | rVV      | 471043         | 541360        | 4.39%           | 1.738%        |
| 14        | 11.239      | 1552          | 1556        | 1563         | rBV      | 840056         | 768245        | 6.23%           | 2.466%        |
| 15        | 12.580      | 1780          | 1784        | 1792         | rBV      | 150022         | 210813        | 1.71%           | 0.677%        |
| 16        | 12.821      | 1821          | 1825        | 1829         | rBV      | 2499610        | 2499933       | 20.27%          | 8.025%        |
| 17        | 13.721      | 1974          | 1978        | 1987         | rBV      | 139924         | 203341        | 1.65%           | 0.653%        |
| 18        | 13.874      | 2001          | 2004        | 2012         | rBV      | 754752         | 782657        | 6.35%           | 2.512%        |
| 19        | 15.309      | 2243          | 2248        | 2254         | rBV      | 466897         | 629396        | 5.10%           | 2.020%        |

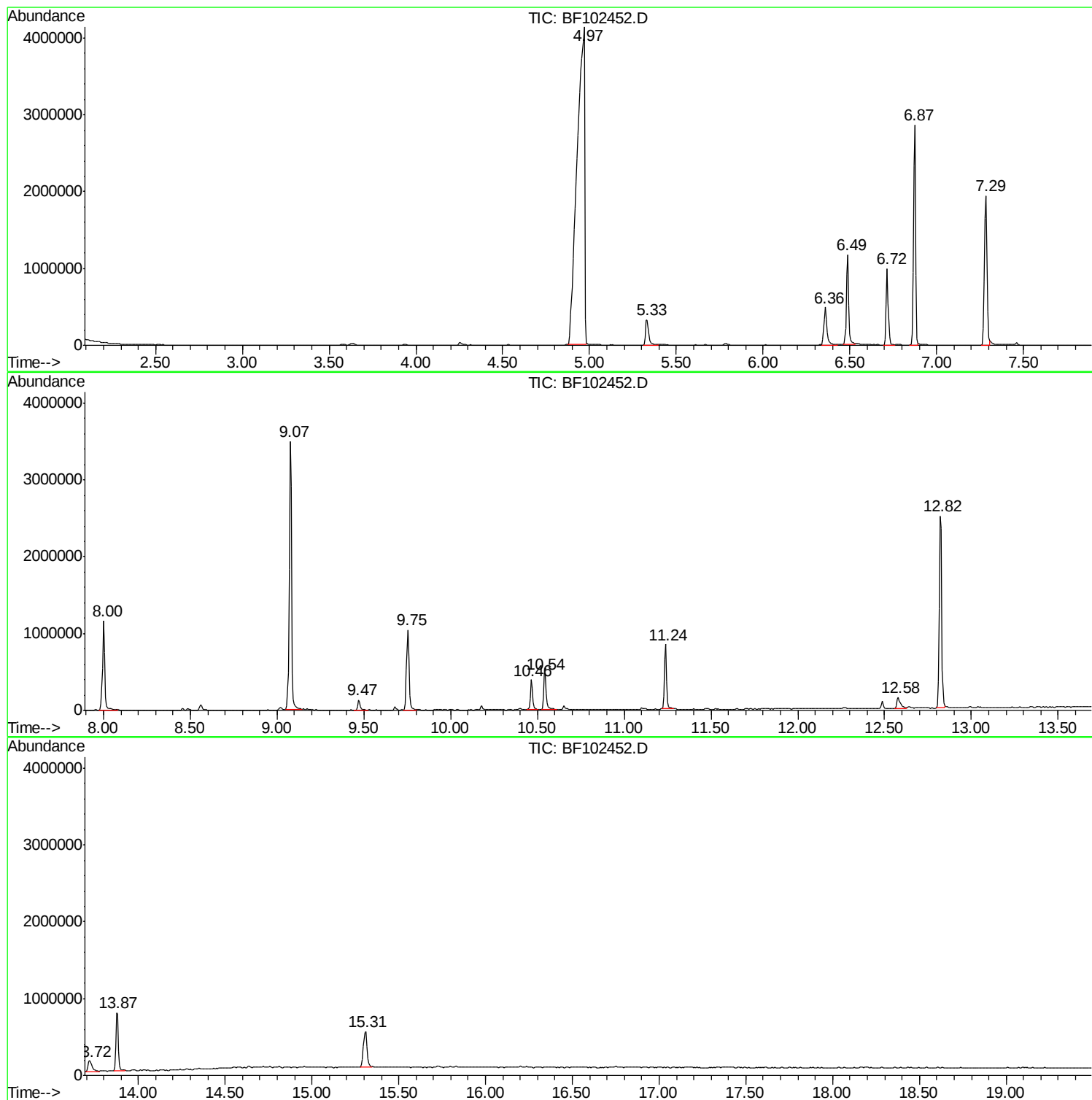
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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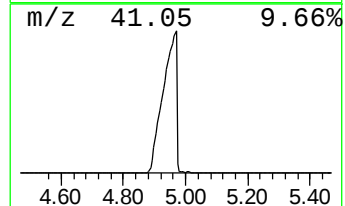
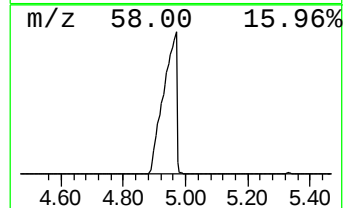
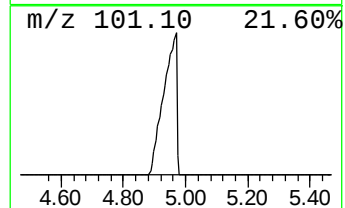
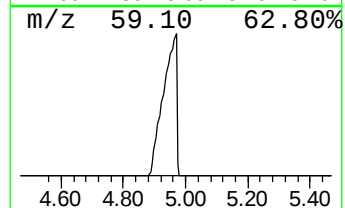
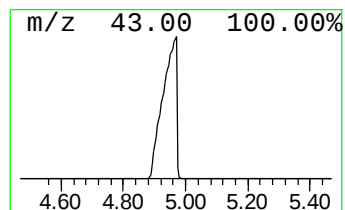
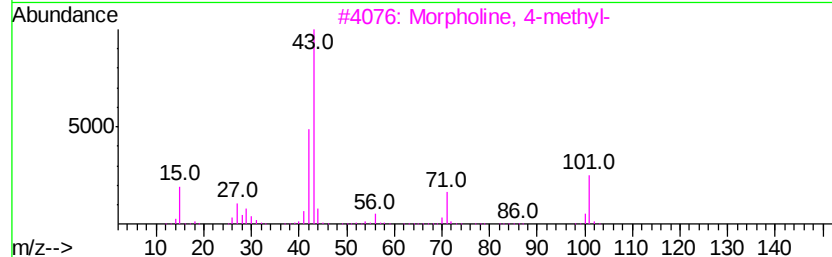
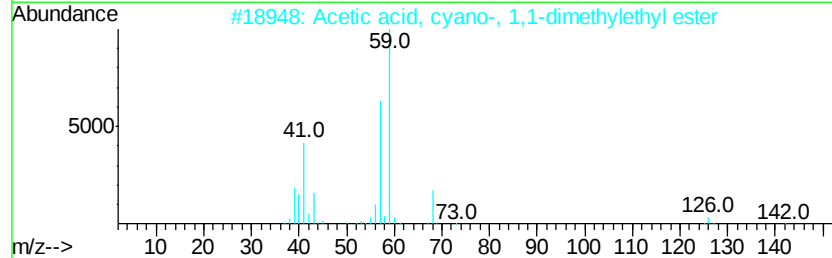
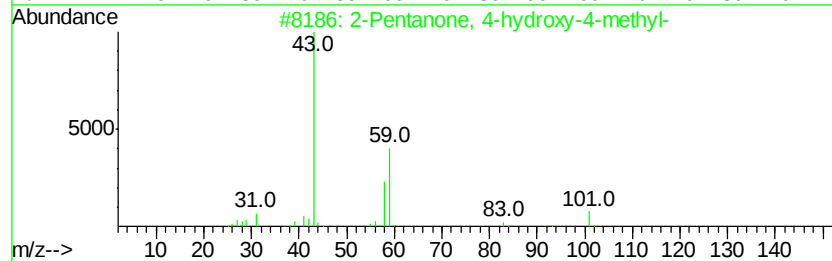
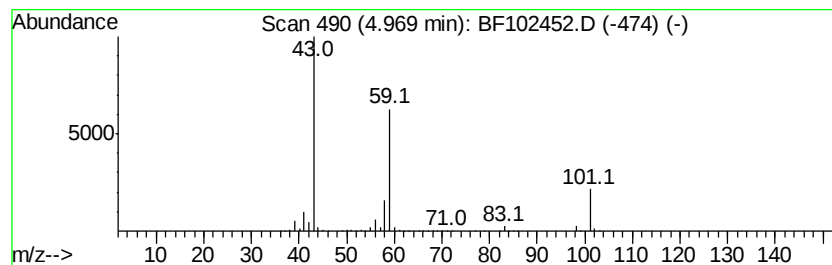
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 4.97 | 304.82 ng | 12330400 | 1,4-Dichlorobenzene-d4 | 6.72 |

| 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 | 25   |
| 3    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    | 1-Propen-2-ol, acetate               | 100 | C5H8O2   | 000108-22-5 | 9    |
| 5    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 9    |



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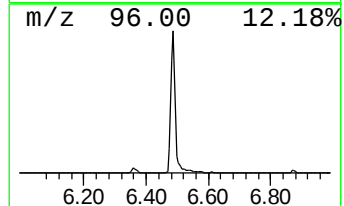
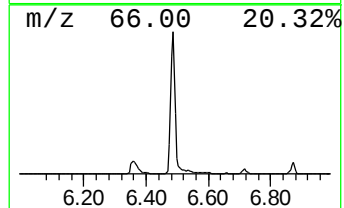
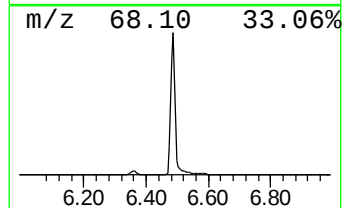
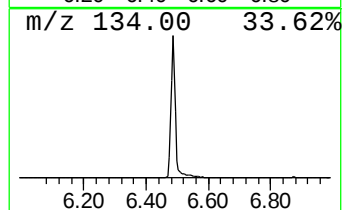
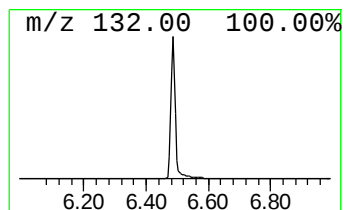
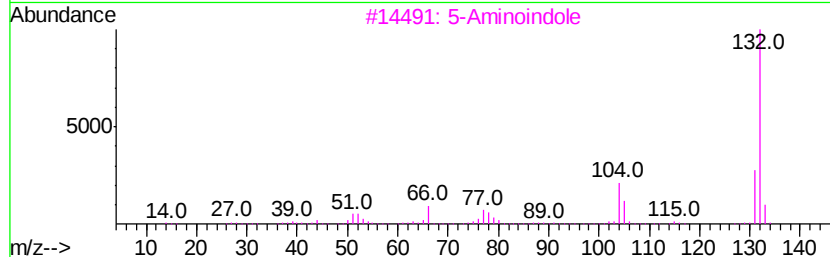
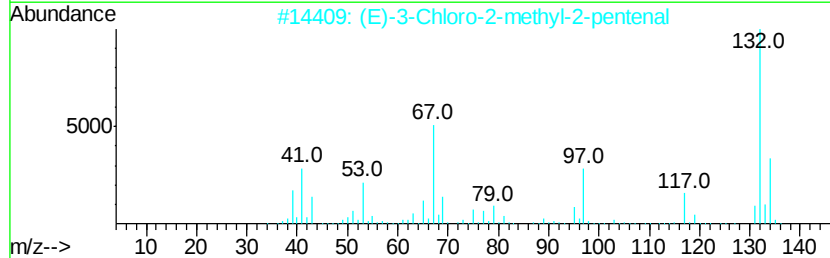
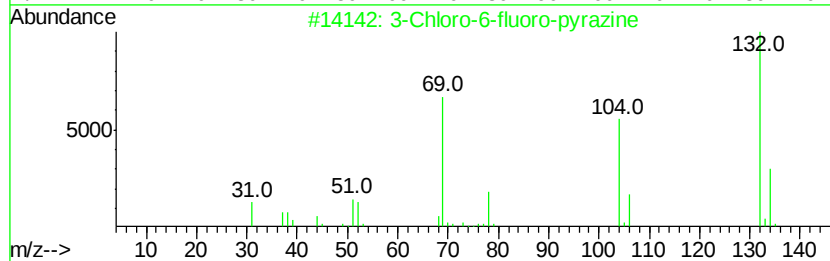
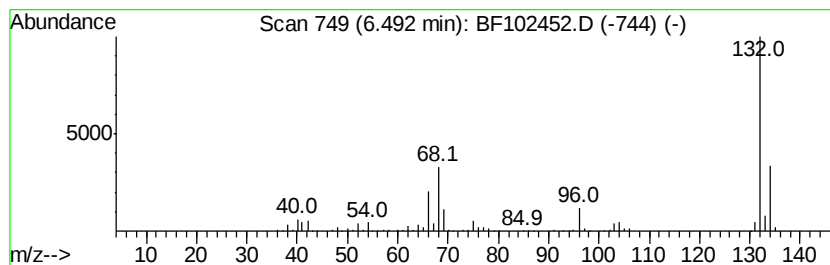
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.49 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 27.38 ng | 1107490 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



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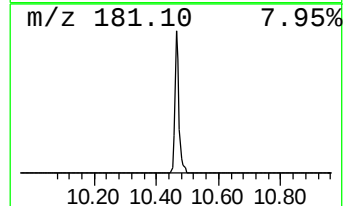
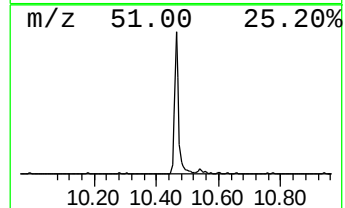
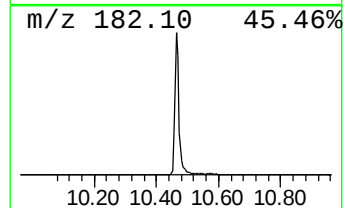
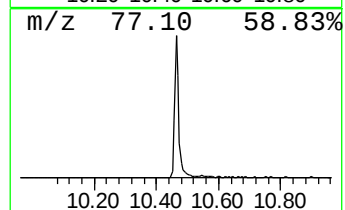
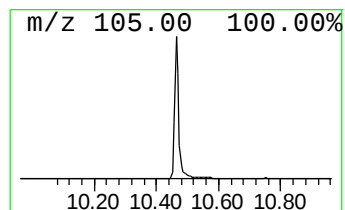
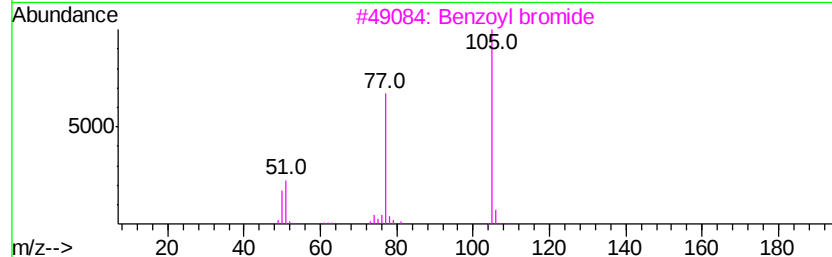
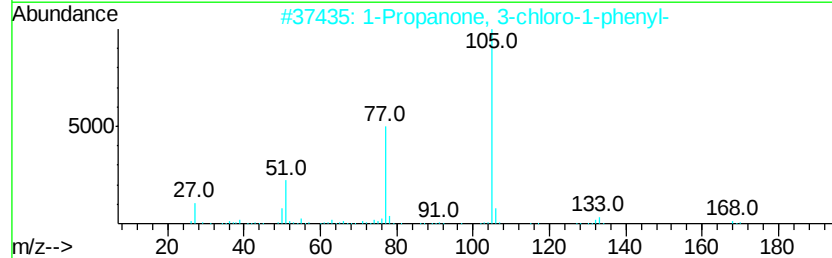
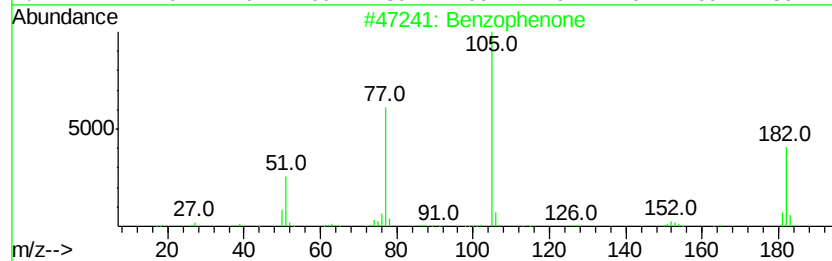
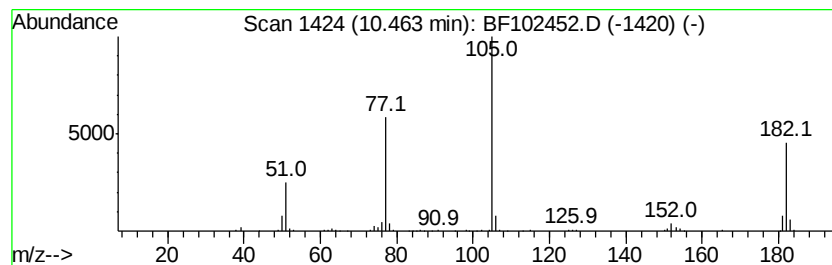
Instrument :  
BNA\_F  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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 Benzophenone Concentration Rank 4

| R.T.      | EstConc                         | Area   | Relative to ISTD |             | R.T. |
|-----------|---------------------------------|--------|------------------|-------------|------|
| 10.46     | 7.71 ng                         | 364090 | Acenaphthene-d10 |             | 9.75 |
| Hit# of 5 | Tentative ID                    | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                    | 182    | C13H10O          | 000119-61-9 | 97   |
| 2         | 1-Propanone, 3-chloro-1-phenyl- | 168    | C9H9ClO          | 000936-59-4 | 47   |
| 3         | Benzoyl bromide                 | 184    | C7H5BrO          | 000618-32-6 | 47   |
| 4         | Benzoic acid, phenyl ester      | 198    | C13H10O2         | 000093-99-2 | 47   |
| 5         | N-Methoxy-N-methylbenzamide     | 165    | C9H11NO2         | 006919-61-5 | 47   |



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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
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MANHOLE

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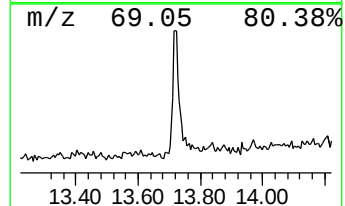
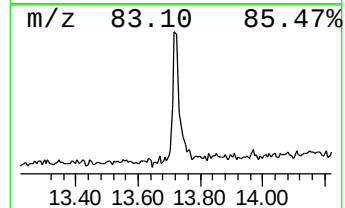
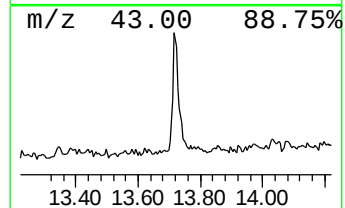
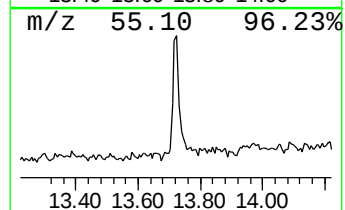
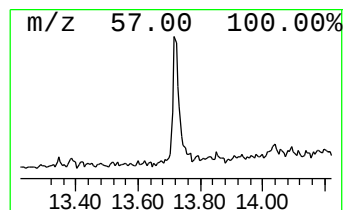
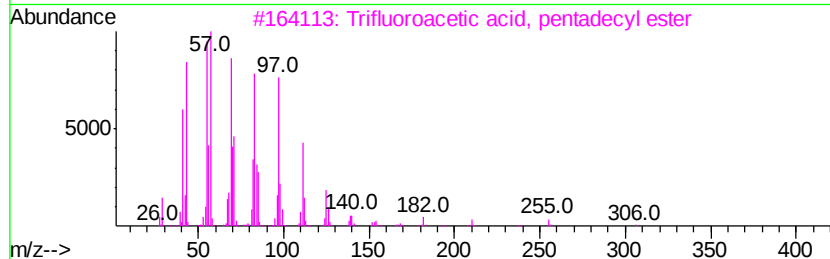
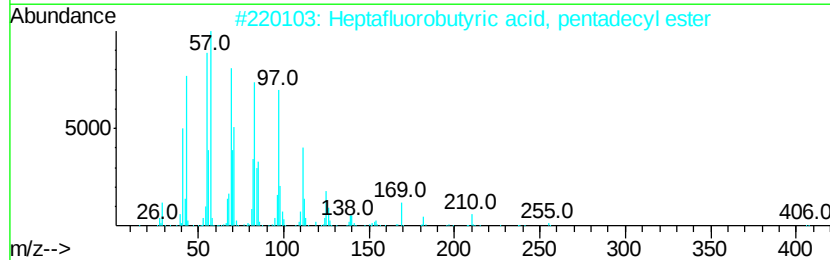
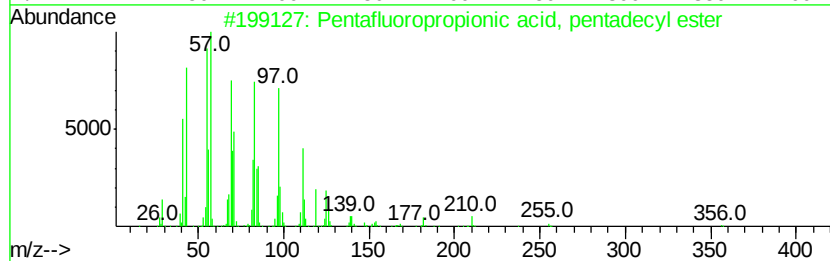
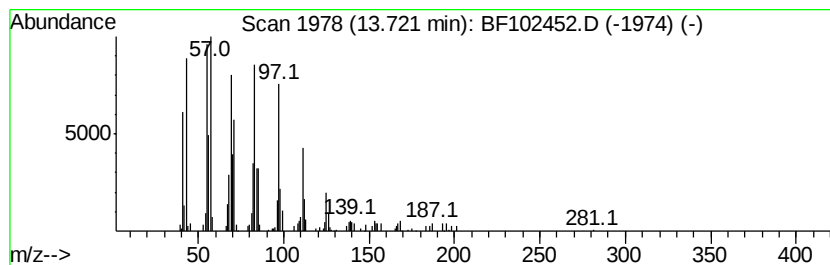
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Peak Number 5 Pentafluoropropionic acid, ... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.72 | 5.20 ng | 203341 | Chrysene-d12     | 13.88 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 95   |
| 2       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 95   |
| 3       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 95   |
| 4       |   | Trifluoroacetoxv hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 95   |
| 5       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 95   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.97  | 304.8   | ng    | 12330400 | 1                     | 6.72  | 809035 | 20.0 |
| unknown6.49          | 6.49  | 27.4    | ng    | 1107490  | 1                     | 6.72  | 809035 | 20.0 |
| Benzophenone         | 10.46 | 7.7     | ng    | 364090   | 3                     | 9.75  | 944281 | 20.0 |
| Pentafluoropropio... | 13.72 | 5.2     | ng    | 203341   | 5                     | 13.88 | 782657 | 20.0 |