

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF111317\  
 Data File : BF100505.D  
 Acq On : 13 Nov 2017 16:50  
 Operator : SJ/JU  
 Sample : I6301-05 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-C

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-BF110817.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF100506.D

| 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         | 5.104       | 510           | 513         | 523          | rBB      | 161729         | 169188        | 17.34%          | 1.558%        |
| 2         | 5.504       | 576           | 581         | 584          | rBV      | 1000017        | 867662        | 88.92%          | 7.991%        |
| 3         | 6.510       | 747           | 752         | 761          | rVB      | 1013289        | 916307        | 93.91%          | 8.439%        |
| 4         | 6.657       | 773           | 777         | 780          | rBV      | 1138365        | 922476        | 94.54%          | 8.496%        |
| 5         | 6.892       | 813           | 817         | 820          | rVB      | 629780         | 515718        | 52.85%          | 4.750%        |
| 6         | 7.045       | 839           | 843         | 846          | rBV      | 900845         | 714862        | 73.26%          | 6.584%        |
| 7         | 7.445       | 907           | 911         | 915          | rBV      | 569589         | 538818        | 55.22%          | 4.962%        |
| 8         | 8.175       | 1030          | 1035        | 1037         | rBV      | 703249         | 643557        | 65.95%          | 5.927%        |
| 9         | 8.722       | 1124          | 1128        | 1131         | rBV      | 74114          | 55245         | 5.66%           | 0.509%        |
| 10        | 9.245       | 1213          | 1217        | 1220         | rVB      | 1271986        | 975769        | 100.00%         | 8.987%        |
| 11        | 9.322       | 1226          | 1230        | 1233         | rBV3     | 10338          | 12407         | 1.27%           | 0.114%        |
| 12        | 9.633       | 1280          | 1283        | 1287         | rVB      | 144107         | 114139        | 11.70%          | 1.051%        |
| 13        | 9.928       | 1329          | 1333        | 1336         | rVB      | 759852         | 622097        | 63.75%          | 5.729%        |
| 14        | 10.475      | 1423          | 1426        | 1428         | rBV      | 13770          | 13072         | 1.34%           | 0.120%        |
| 15        | 10.633      | 1450          | 1453        | 1457         | rBV      | 188256         | 157065        | 16.10%          | 1.447%        |
| 16        | 10.710      | 1463          | 1466        | 1470         | rBV      | 560568         | 481678        | 49.36%          | 4.436%        |
| 17        | 10.833      | 1482          | 1487        | 1490         | rVB4     | 18963          | 20519         | 2.10%           | 0.189%        |
| 18        | 11.410      | 1582          | 1585        | 1588         | rBV      | 579448         | 535704        | 54.90%          | 4.934%        |
| 19        | 11.433      | 1588          | 1589        | 1592         | rVV      | 103521         | 71620         | 7.34%           | 0.660%        |
| 20        | 11.486      | 1595          | 1598        | 1600         | rVB      | 22084          | 16646         | 1.71%           | 0.153%        |
| 21        | 11.922      | 1667          | 1672        | 1674         | rBV3     | 22278          | 31869         | 3.27%           | 0.294%        |
| 22        | 12.027      | 1686          | 1690        | 1692         | rBV2     | 21351          | 25364         | 2.60%           | 0.234%        |
| 23        | 12.210      | 1715          | 1721        | 1722         | rBV2     | 11532          | 15754         | 1.61%           | 0.145%        |
| 24        | 12.463      | 1761          | 1764        | 1767         | rVB2     | 13592          | 13859         | 1.42%           | 0.128%        |
| 25        | 12.621      | 1788          | 1791        | 1795         | rVB      | 133195         | 116994        | 11.99%          | 1.078%        |
| 26        | 12.663      | 1796          | 1798        | 1801         | rBV3     | 13963          | 12285         | 1.26%           | 0.113%        |
| 27        | 12.851      | 1825          | 1830        | 1837         | rBV      | 118531         | 141908        | 14.54%          | 1.307%        |
| 28        | 12.910      | 1837          | 1840        | 1843         | rVV4     | 8279           | 13637         | 1.40%           | 0.126%        |
| 29        | 12.992      | 1850          | 1854        | 1861         | rVB      | 813892         | 719200        | 73.71%          | 6.624%        |
| 30        | 13.069      | 1863          | 1867        | 1874         | rVB7     | 17472          | 33398         | 3.42%           | 0.308%        |
| 31        | 13.180      | 1883          | 1886        | 1890         | rVB3     | 24512          | 25733         | 2.64%           | 0.237%        |
| 32        | 13.280      | 1901          | 1903        | 1909         | rVB6     | 18263          | 22503         | 2.31%           | 0.207%        |
| 33        | 13.886      | 2003          | 2006        | 2009         | rVB3     | 33049          | 38584         | 3.95%           | 0.355%        |
| 34        | 14.051      | 2026          | 2034        | 2037         | rBV      | 636834         | 671196        | 68.79%          | 6.182%        |

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Sample : I6301-05 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-C

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-BF110817.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 35 | 14.074 | 2037 | 2038 | 2044 | rVB | 83438  | 59146  | 6.06%  | 0.545% |
| 36 | 15.092 | 2208 | 2211 | 2214 | rBV | 52100  | 71358  | 7.31%  | 0.657% |
| 37 | 15.462 | 2272 | 2274 | 2280 | rVB | 43458  | 45890  | 4.70%  | 0.423% |
| 38 | 15.527 | 2281 | 2285 | 2293 | rVB | 302998 | 434620 | 44.54% | 4.003% |

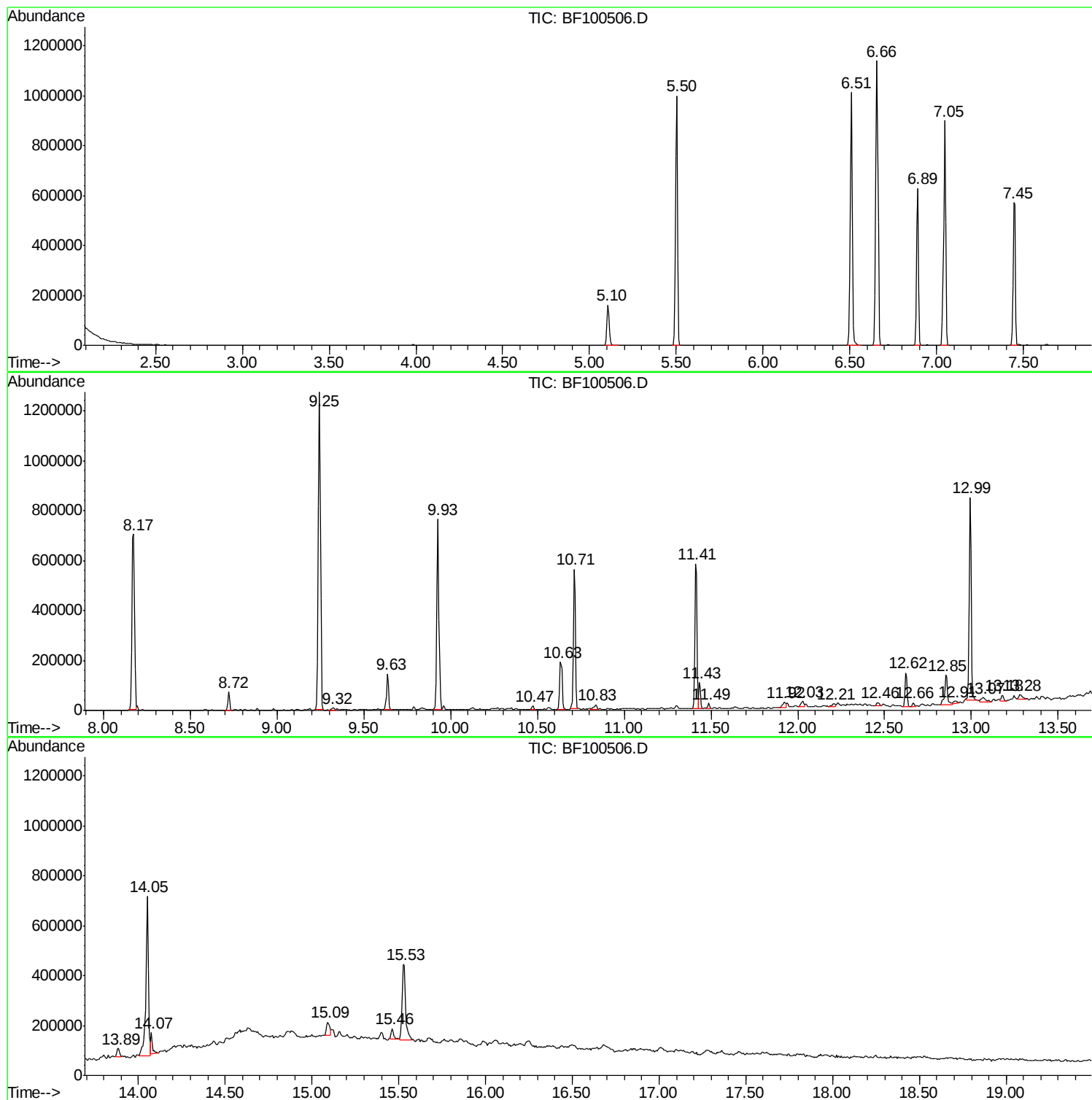
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Sample : I6301-05 2X  
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Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.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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Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-C

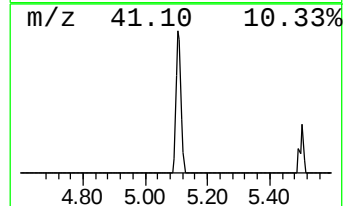
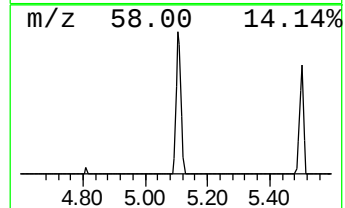
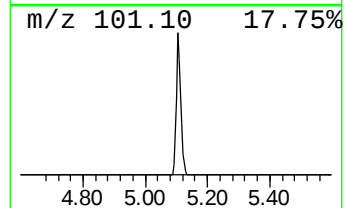
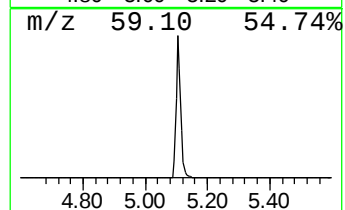
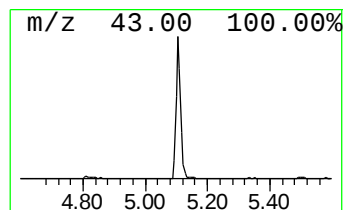
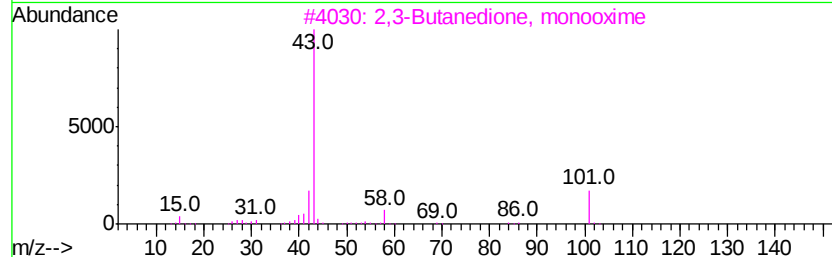
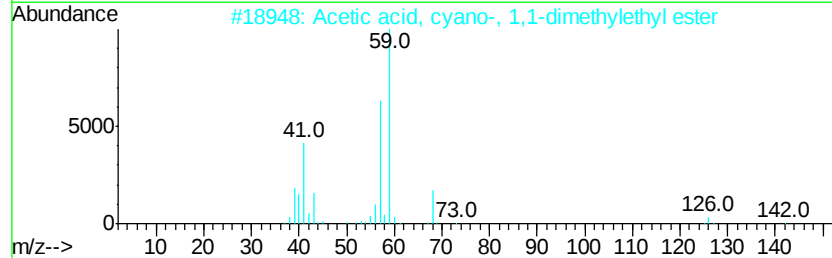
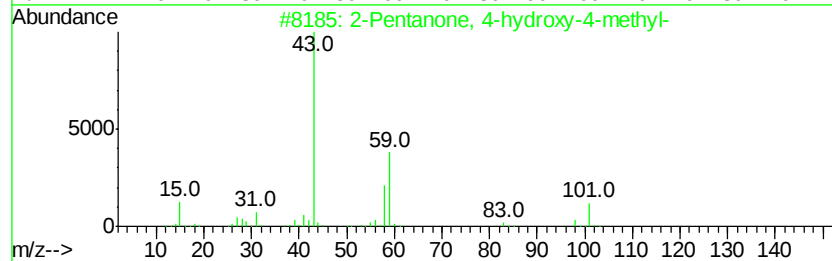
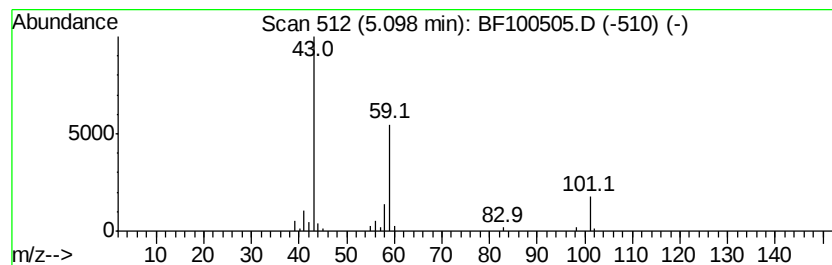
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.10 | 6.56 ng | 169188 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 16   |
| 4    |    |   | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    |   | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

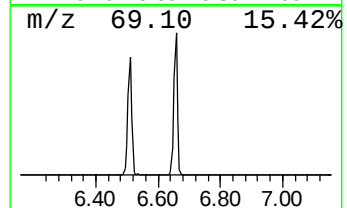
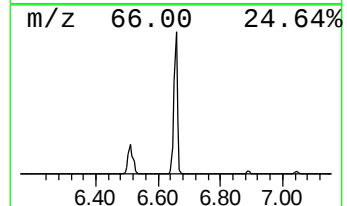
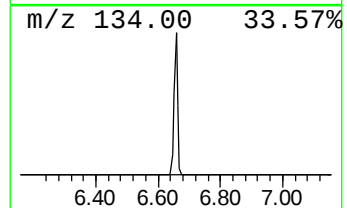
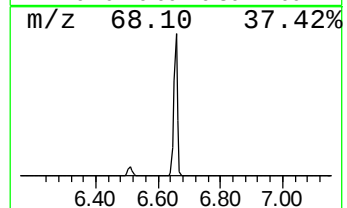
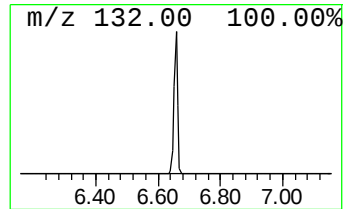
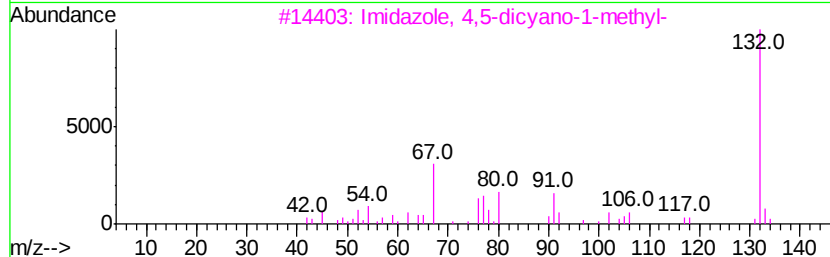
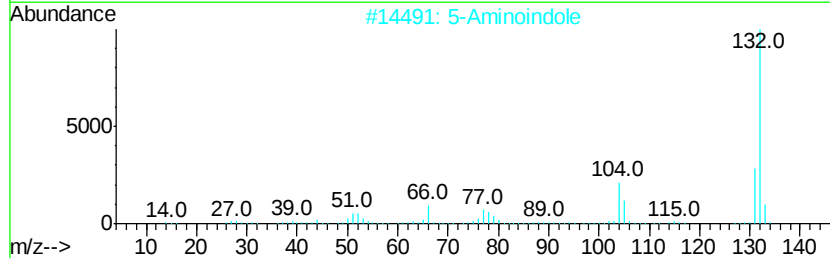
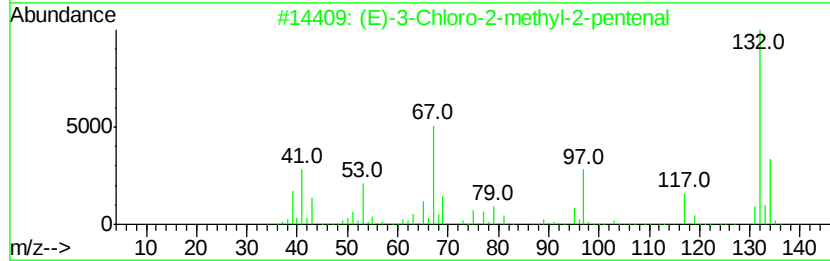
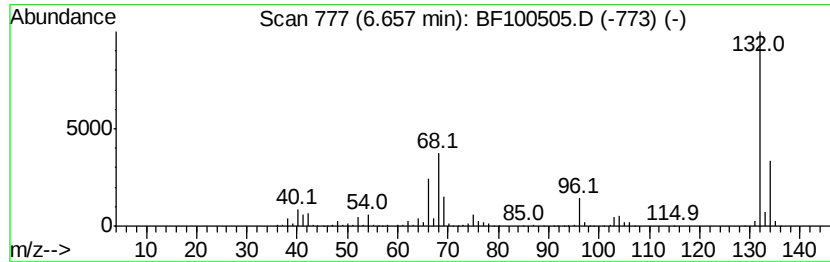
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.66 | 35.77 ng | 922476 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------------|-----|-----------|-------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3 | 17   |
| 2    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0 | 12   |
| 3    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9 | 9    |
| 4    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3 | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5 | 9    |



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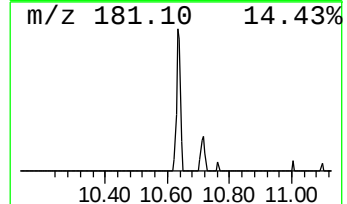
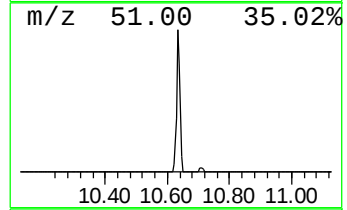
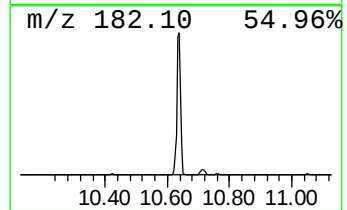
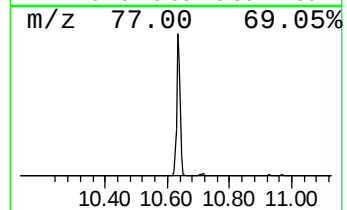
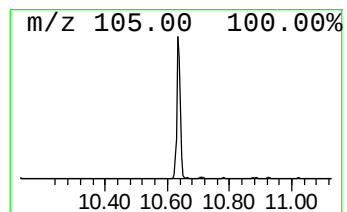
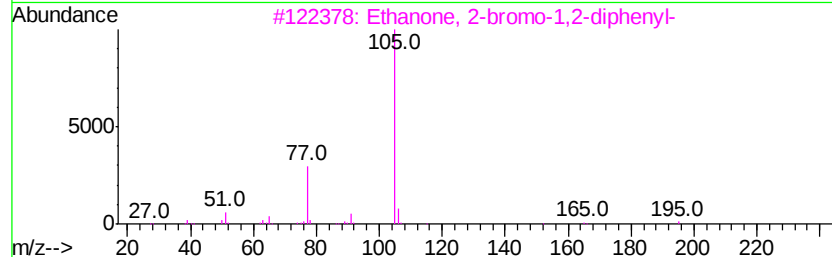
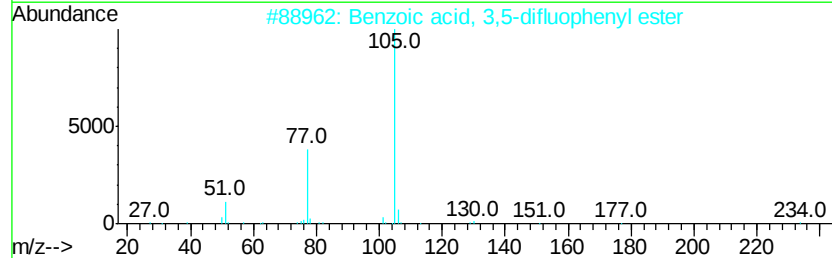
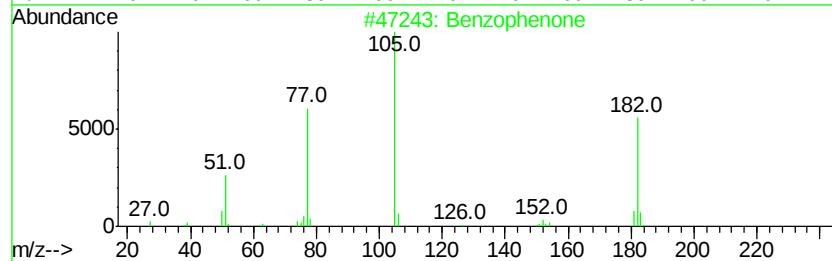
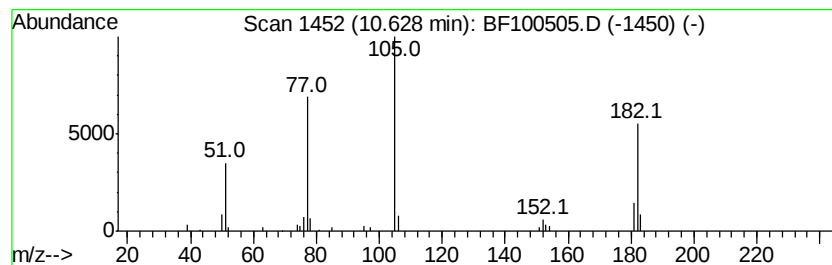
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzophenone Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 10.63   | 5.05 ng | 157065                              | Acenaphthene-d10 | 9.93            |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Benzophenone                        | 182 C13H10O      | 000119-61-9 96  |
| 2       |         | Benzoic acid, 3,5-difluophenyl e... | 234 C13H8F2O2    | 1000357-79-5 47 |
| 3       |         | Ethanone, 2-bromo-1,2-diphenyl-     | 274 C14H11BrO    | 001484-50-0 47  |
| 4       |         | 1-Propanone, 2-bromo-1-phenyl-      | 212 C9H9BrO      | 002114-00-3 47  |
| 5       |         | Benzenebutanoic acid, .gamma.-oxo-  | 178 C10H10O3     | 002051-95-8 47  |



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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... | 5.10  | 6.6     | ng    | 169188   | 1                     | 6.89 | 515718 | 20.0 |
| unknown6.66          | 6.66  | 35.8    | ng    | 922476   | 1                     | 6.89 | 515718 | 20.0 |
| Benzophenone         | 10.63 | 5.0     | ng    | 157065   | 3                     | 9.93 | 622097 | 20.0 |