

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061419\  
 Data File : BF115065.D  
 Acq On : 15 Jun 2019 2:35  
 Operator : HP/JU  
 Sample : K3366-03 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061219.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         | 3.139       | 173           | 179         | 188          | rVB      | 19673          | 36808         | 1.61%           | 0.202%        |
| 2         | 4.157       | 346           | 352         | 367          | rBV      | 1519774        | 2018958       | 88.18%          | 11.056%       |
| 3         | 4.810       | 459           | 463         | 479          | rBV      | 514567         | 558380        | 24.39%          | 3.058%        |
| 4         | 5.245       | 534           | 537         | 550          | rBV      | 194572         | 216339        | 9.45%           | 1.185%        |
| 5         | 6.280       | 710           | 713         | 729          | rBV      | 371071         | 392125        | 17.13%          | 2.147%        |
| 6         | 6.410       | 732           | 735         | 744          | rVV      | 361648         | 317134        | 13.85%          | 1.737%        |
| 7         | 6.645       | 771           | 775         | 792          | rVB      | 1973774        | 1628583       | 71.13%          | 8.918%        |
| 8         | 6.798       | 798           | 801         | 812          | rVB      | 638404         | 557204        | 24.34%          | 3.051%        |
| 9         | 6.969       | 827           | 830         | 838          | rVB      | 49483          | 47046         | 2.05%           | 0.258%        |
| 10        | 7.204       | 866           | 870         | 884          | rBV      | 416159         | 376706        | 16.45%          | 2.063%        |
| 11        | 7.927       | 988           | 993         | 1000         | rBV      | 2489054        | 2097374       | 91.61%          | 11.485%       |
| 12        | 9.004       | 1172          | 1176        | 1189         | rBV      | 871590         | 840635        | 36.72%          | 4.603%        |
| 13        | 9.098       | 1189          | 1192        | 1197         | rVB      | 27444          | 26347         | 1.15%           | 0.144%        |
| 14        | 9.398       | 1240          | 1243        | 1248         | rBV      | 45864          | 52848         | 2.31%           | 0.289%        |
| 15        | 9.674       | 1286          | 1290        | 1302         | rBV      | 2629451        | 2289467       | 100.00%         | 12.537%       |
| 16        | 10.121      | 1363          | 1366        | 1369         | rBV      | 66634          | 50192         | 2.19%           | 0.275%        |
| 17        | 10.345      | 1398          | 1404        | 1406         | rBV      | 31503          | 39178         | 1.71%           | 0.215%        |
| 18        | 10.457      | 1420          | 1423        | 1429         | rBV2     | 45256          | 45815         | 2.00%           | 0.251%        |
| 19        | 10.592      | 1443          | 1446        | 1456         | rBV      | 103348         | 140797        | 6.15%           | 0.771%        |
| 20        | 11.039      | 1519          | 1522        | 1525         | rBV2     | 94923          | 76397         | 3.34%           | 0.418%        |
| 21        | 11.068      | 1525          | 1527        | 1532         | rVB      | 51698          | 48354         | 2.11%           | 0.265%        |
| 22        | 11.151      | 1537          | 1541        | 1544         | rBV      | 2184133        | 1999084       | 87.32%          | 10.947%       |
| 23        | 11.462      | 1591          | 1594        | 1599         | rVB      | 91221          | 73661         | 3.22%           | 0.403%        |
| 24        | 11.756      | 1642          | 1644        | 1647         | rBV3     | 23181          | 30609         | 1.34%           | 0.168%        |
| 25        | 11.868      | 1660          | 1663        | 1667         | rBV      | 78310          | 63192         | 2.76%           | 0.346%        |
| 26        | 12.021      | 1686          | 1689        | 1695         | rBV5     | 23393          | 38581         | 1.69%           | 0.211%        |
| 27        | 12.151      | 1708          | 1711        | 1713         | rBV      | 50019          | 45150         | 1.97%           | 0.247%        |
| 28        | 12.256      | 1726          | 1729        | 1731         | rBV      | 58857          | 52720         | 2.30%           | 0.289%        |
| 29        | 12.362      | 1744          | 1747        | 1750         | rBV4     | 27225          | 28224         | 1.23%           | 0.155%        |
| 30        | 12.398      | 1750          | 1753        | 1755         | rBV2     | 41774          | 52199         | 2.28%           | 0.286%        |
| 31        | 12.468      | 1762          | 1765        | 1767         | rBV2     | 28335          | 37485         | 1.64%           | 0.205%        |
| 32        | 12.598      | 1784          | 1787        | 1789         | rVB      | 29699          | 25202         | 1.10%           | 0.138%        |
| 33        | 12.627      | 1789          | 1792        | 1794         | rBV2     | 53569          | 52187         | 2.28%           | 0.286%        |
| 34        | 12.727      | 1806          | 1809        | 1813         | rBV      | 686473         | 644185        | 28.14%          | 3.527%        |

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BNA\_F  
ClientSampleId :  
CONCRETE

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.833 | 1824 | 1827 | 1829 | rBV2 | 42030   | 51396   | 2.24%  | 0.281% |
| 36 | 12.909 | 1838 | 1840 | 1845 | rVB5 | 34347   | 46033   | 2.01%  | 0.252% |
| 37 | 13.103 | 1870 | 1873 | 1876 | rBV  | 73415   | 79783   | 3.48%  | 0.437% |
| 38 | 13.180 | 1883 | 1886 | 1891 | rBV6 | 46694   | 96929   | 4.23%  | 0.531% |
| 39 | 13.433 | 1927 | 1929 | 1934 | rVB2 | 47360   | 54210   | 2.37%  | 0.297% |
| 40 | 13.768 | 1982 | 1986 | 1994 | rVB  | 1603330 | 1533855 | 67.00% | 8.399% |
| 41 | 14.062 | 2034 | 2036 | 2040 | rVB2 | 70868   | 77253   | 3.37%  | 0.423% |
| 42 | 15.144 | 2216 | 2220 | 2225 | rBV  | 1094279 | 1323315 | 57.80% | 7.246% |

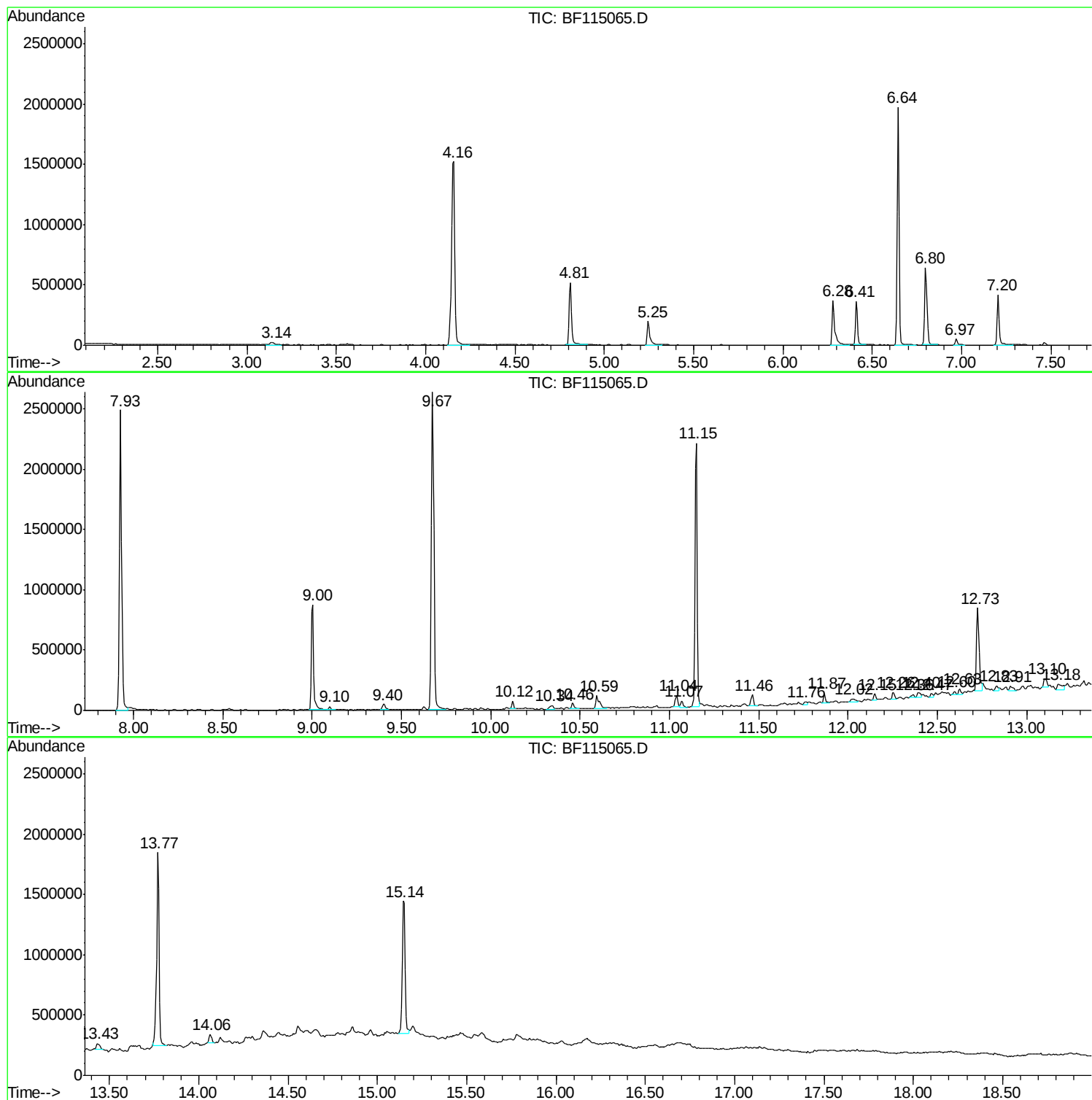
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : K3366-03 10X  
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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
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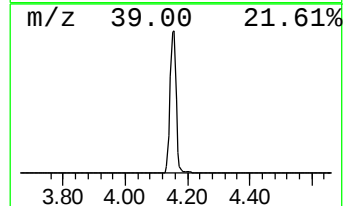
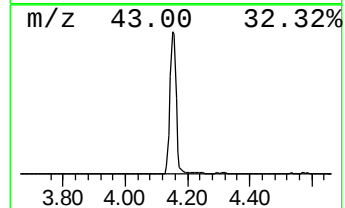
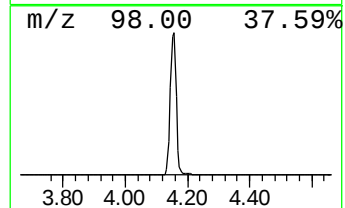
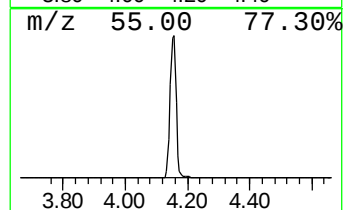
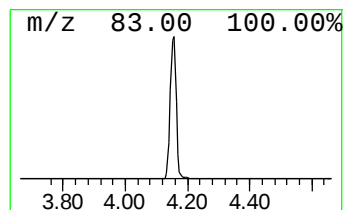
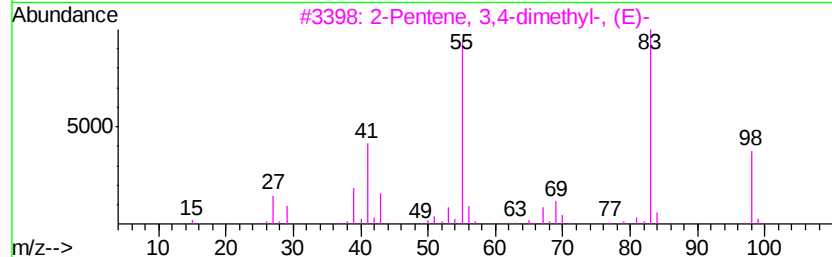
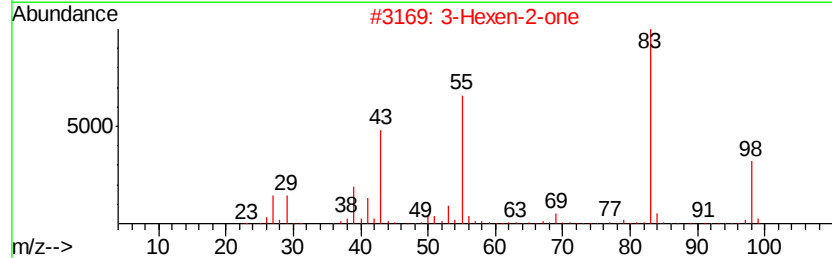
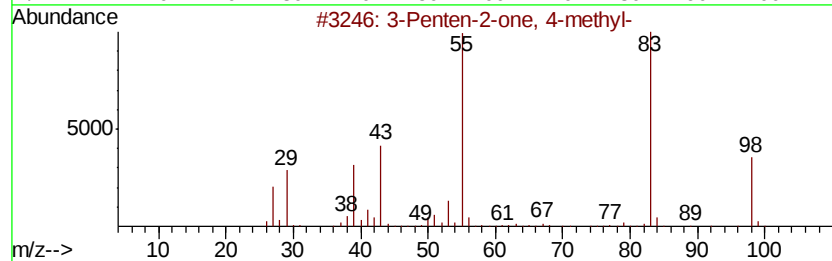
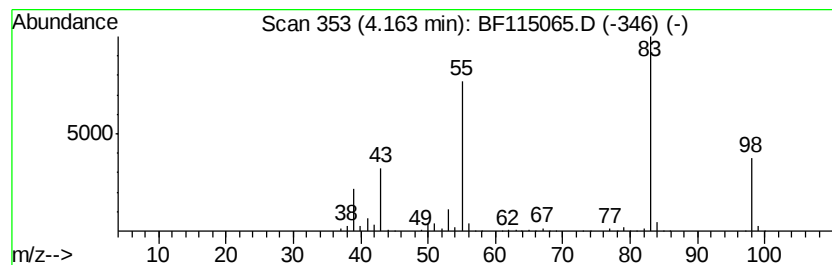
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.16 | 24.79 ng | 2018960 | 1,4-Dichlorobenzene-d4 | 6.64 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 3-Penten-2-one, 4-methyl-        | 98  | C6H10O    | 000141-79-7 | 91   |
| 2    |    | 3-Hexen-2-one                    | 98  | C6H10O    | 000763-93-9 | 91   |
| 3    |    | 2-Pentene, 3,4-dimethyl-, (E)-   | 98  | C7H14     | 004914-92-5 | 86   |
| 4    |    | 2-Pentene, 3,4-dimethyl-, (Z)-   | 98  | C7H14     | 004914-91-4 | 86   |
| 5    |    | 2,4-Azetidinedione, 3,3-diethyl- | 141 | C7H11N2O2 | 042282-85-9 | 78   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
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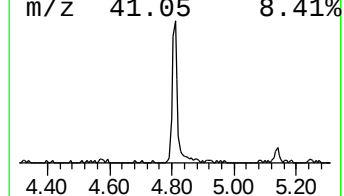
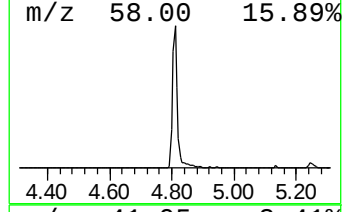
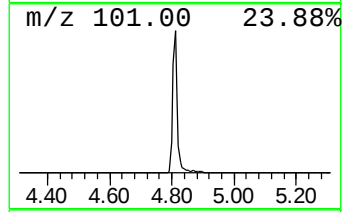
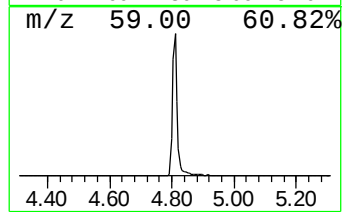
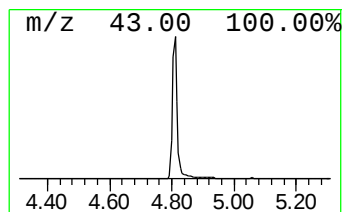
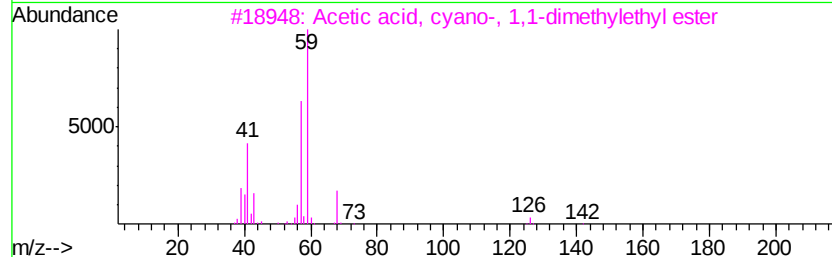
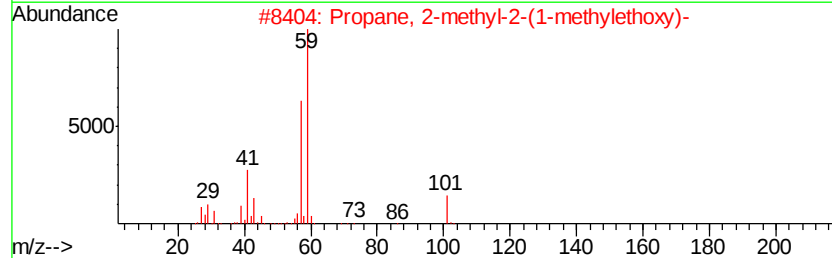
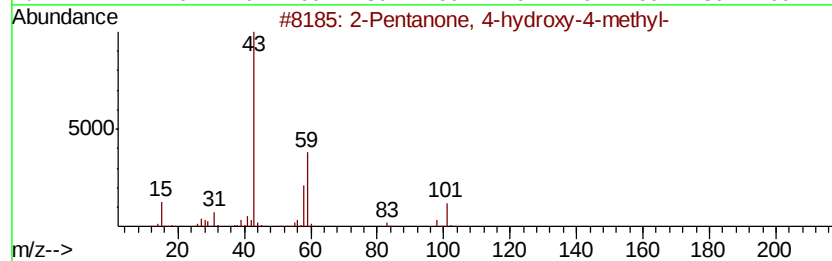
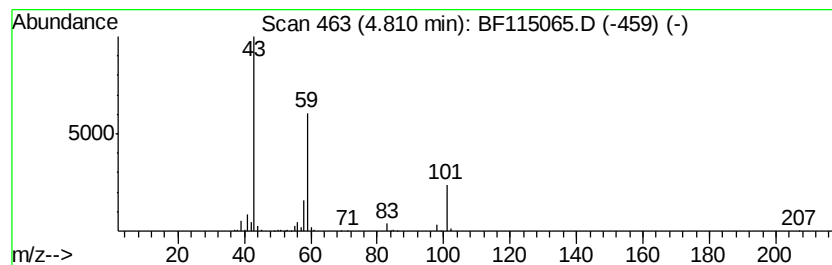
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.81 | 6.86 ng | 558380 | 1,4-Dichlorobenzene-d4 | 6.64 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|---------|---|--------------------------------------|-----|----------|-------------|------|
| 1       |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2       |   | Propane, 2-methyl-2-(1-methylethyl)- | 116 | C7H16O   | 017348-59-3 | 50   |
| 3       |   | Acetic acid, cyano-, 1,1-dimethyl-   | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4       |   | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 5       |   | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |



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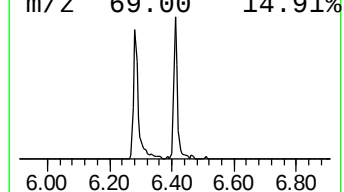
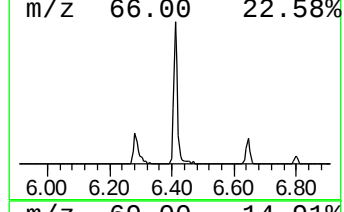
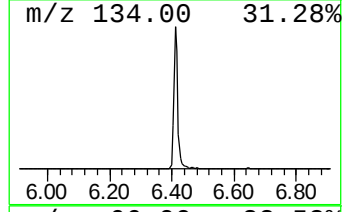
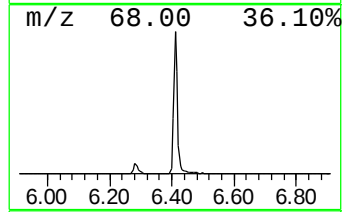
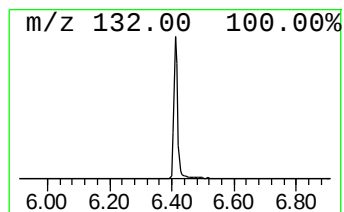
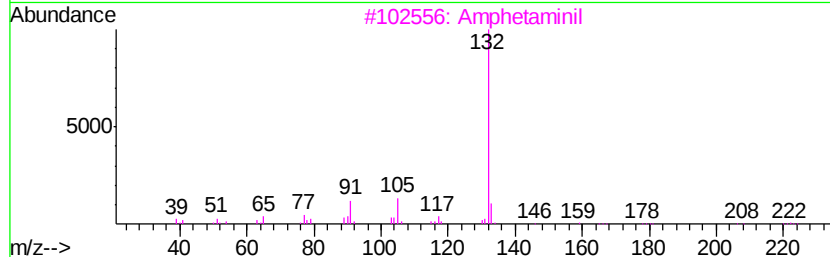
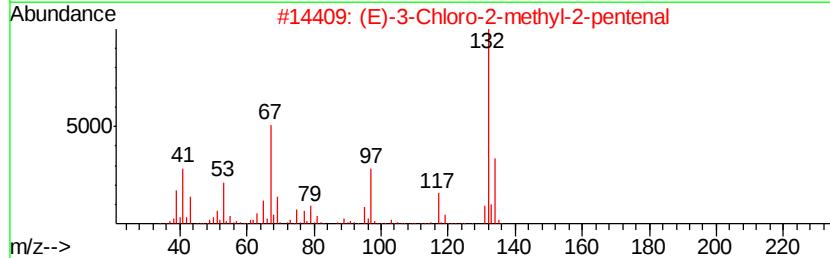
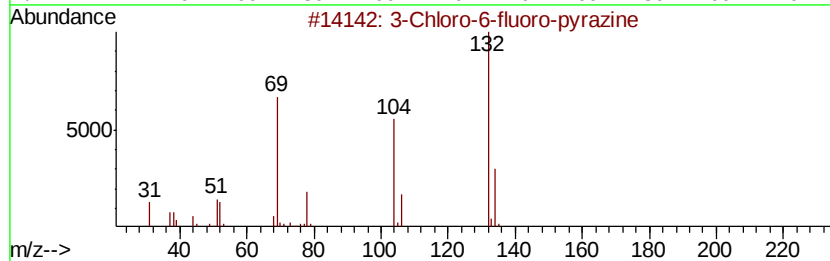
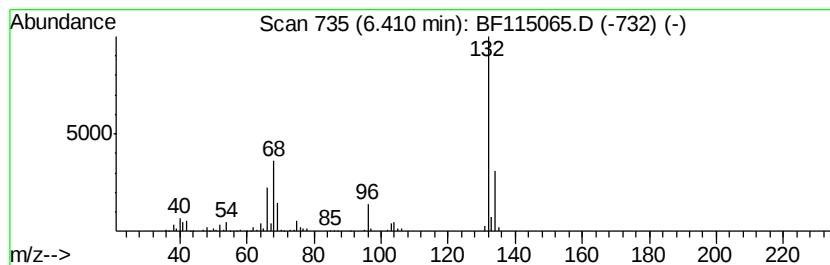
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown6.41 Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.41 | 3.89 ng | 317134 | 1,4-Dichlorobenzene-d4 | 6.64 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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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 |
| 3-Penten-2-one, 4... | 4.16 | 24.8    | ng    | 2018960  | 1                     | 6.64 | 1628580 | 20.0 |
| 2-Pentanone, 4-hy... | 4.81 | 6.9     | ng    | 558380   | 1                     | 6.64 | 1628580 | 20.0 |
| unknown6.41          | 6.41 | 3.9     | ng    | 317134   | 1                     | 6.64 | 1628580 | 20.0 |