

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF111217\  
 Data File : BF100491.D  
 Acq On : 12 Nov 2017 15:53  
 Operator : SJ/JU  
 Sample : I6403-04  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110817-JETT-F-U-S

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

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         | 2.193       | 15            | 18          | 39           | rVB2     | 106166         | 225720        | 6.26%           | 1.065%        |
| 2         | 5.116       | 511           | 515         | 523          | rVB      | 221481         | 219734        | 6.09%           | 1.037%        |
| 3         | 5.510       | 578           | 582         | 586          | rBV      | 1222838        | 1115399       | 30.91%          | 5.263%        |
| 4         | 6.516       | 749           | 753         | 757          | rBV      | 841031         | 755856        | 20.95%          | 3.566%        |
| 5         | 6.669       | 774           | 779         | 782          | rBV      | 2097701        | 1922496       | 53.28%          | 9.071%        |
| 6         | 6.898       | 815           | 818         | 822          | rVB      | 879878         | 760040        | 21.06%          | 3.586%        |
| 7         | 7.057       | 841           | 845         | 849          | rVB      | 2764888        | 2569971       | 71.22%          | 12.126%       |
| 8         | 7.463       | 909           | 914         | 917          | rBV      | 2169478        | 2147627       | 59.52%          | 10.133%       |
| 9         | 8.181       | 1032          | 1036        | 1040         | rBV      | 1187519        | 951767        | 26.38%          | 4.491%        |
| 10        | 9.257       | 1214          | 1219        | 1222         | rBV      | 3682491        | 3608378       | 100.00%         | 17.025%       |
| 11        | 9.939       | 1329          | 1335        | 1347         | rVB      | 967715         | 959615        | 26.59%          | 4.528%        |
| 12        | 10.604      | 1445          | 1448        | 1451         | rVB      | 54911          | 37988         | 1.05%           | 0.179%        |
| 13        | 10.645      | 1451          | 1455        | 1461         | rVB      | 49855          | 42607         | 1.18%           | 0.201%        |
| 14        | 10.722      | 1464          | 1468        | 1478         | rBV      | 1275645        | 1148923       | 31.84%          | 5.421%        |
| 15        | 11.421      | 1583          | 1587        | 1591         | rBV      | 877587         | 768795        | 21.31%          | 3.627%        |
| 16        | 12.821      | 1822          | 1825        | 1828         | rBV      | 147309         | 107706        | 2.98%           | 0.508%        |
| 17        | 13.010      | 1852          | 1857        | 1860         | rBV      | 2740098        | 2578356       | 71.45%          | 12.165%       |
| 18        | 13.527      | 1941          | 1945        | 1949         | rBV      | 97425          | 77115         | 2.14%           | 0.364%        |
| 19        | 14.062      | 2032          | 2036        | 2043         | rVB      | 732266         | 700078        | 19.40%          | 3.303%        |
| 20        | 15.545      | 2283          | 2288        | 2297         | rBV      | 373034         | 496402        | 13.76%          | 2.342%        |

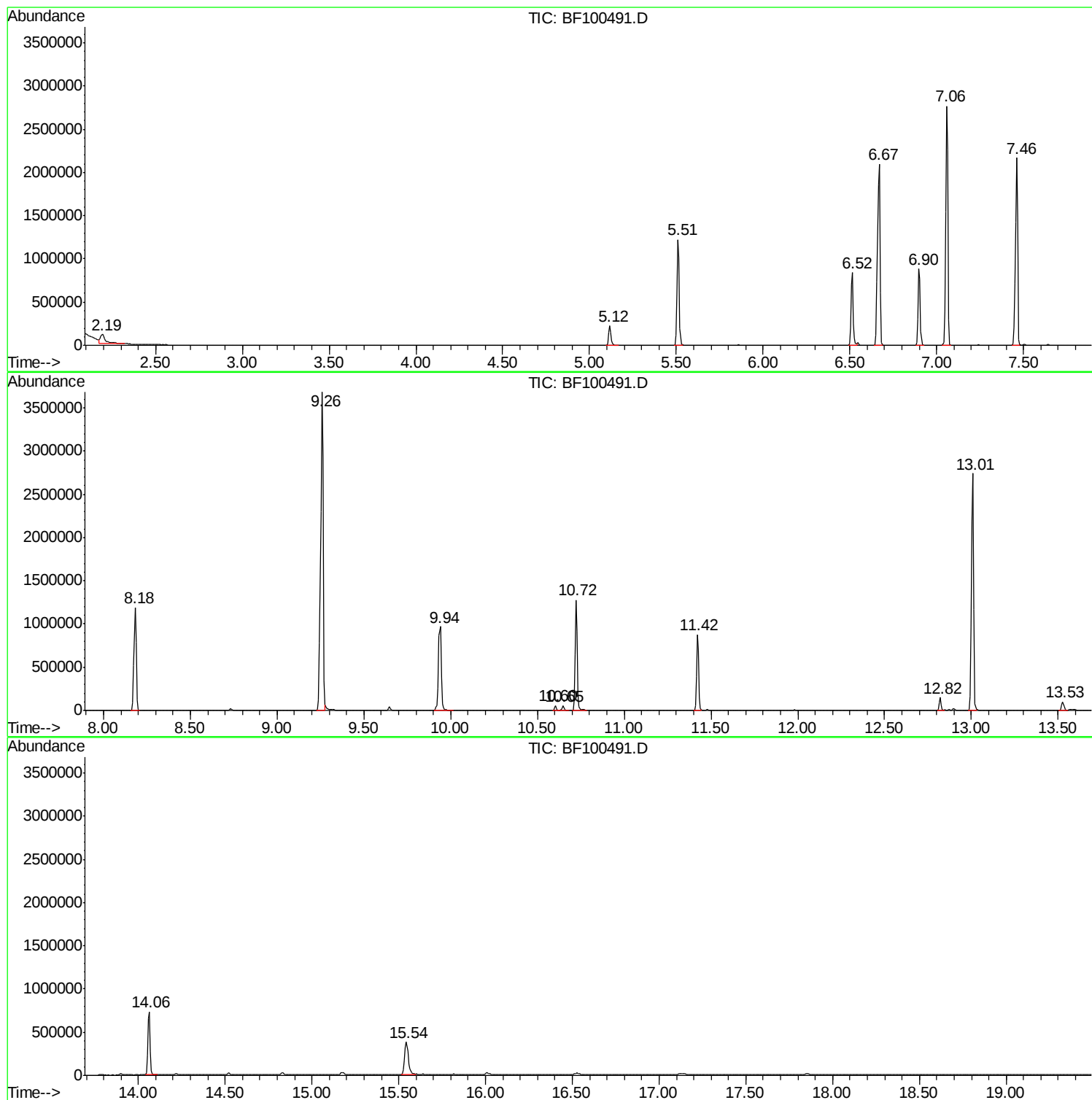
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Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
110817-JETT-F-U-S

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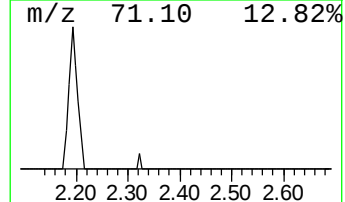
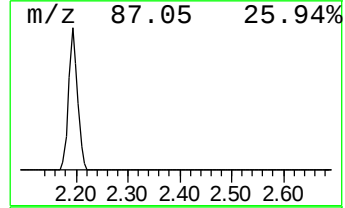
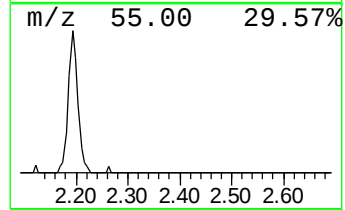
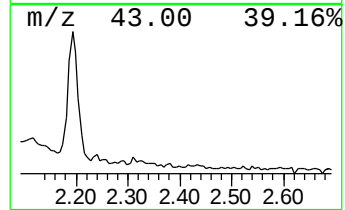
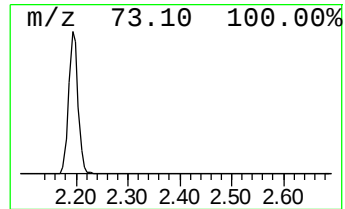
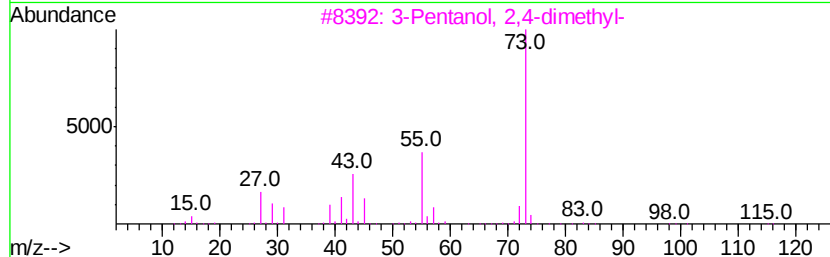
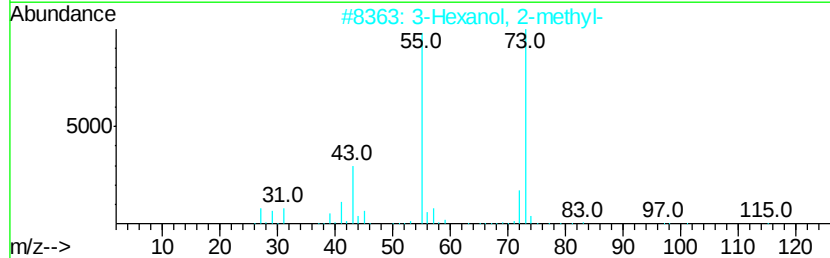
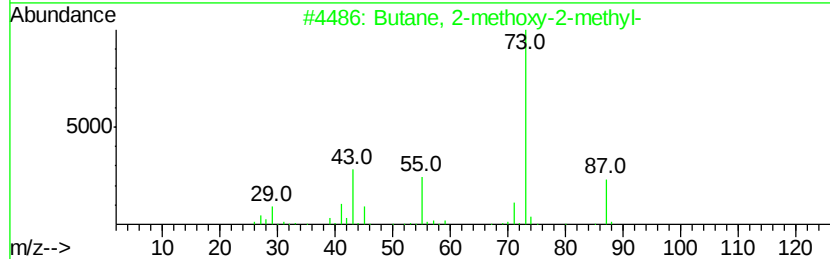
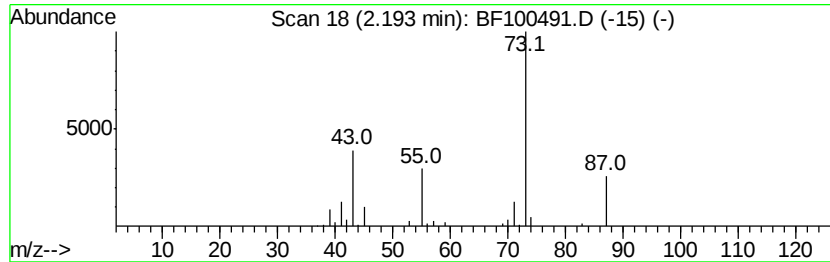
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.19 | 5.94 ng | 225720 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 3-Hexanol, 2-methyl-        | 116 | C7H16O  | 000617-29-8 | 25   |
| 3    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 23   |
| 4    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    |   | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 9    |



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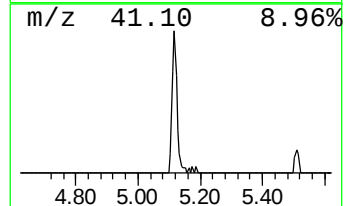
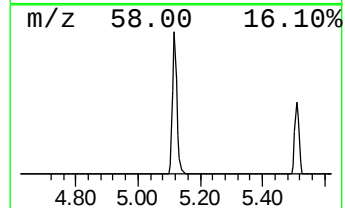
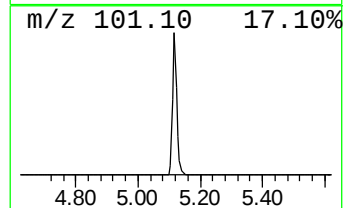
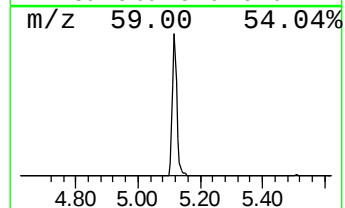
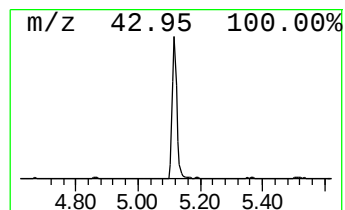
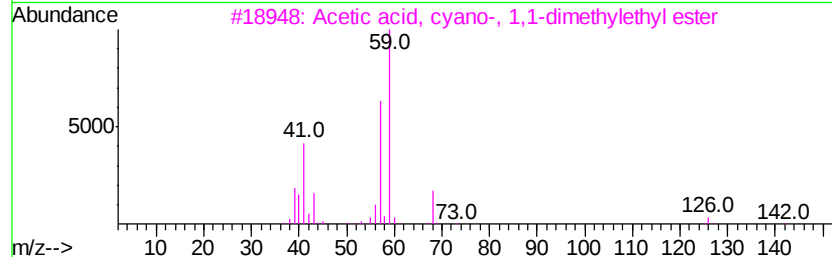
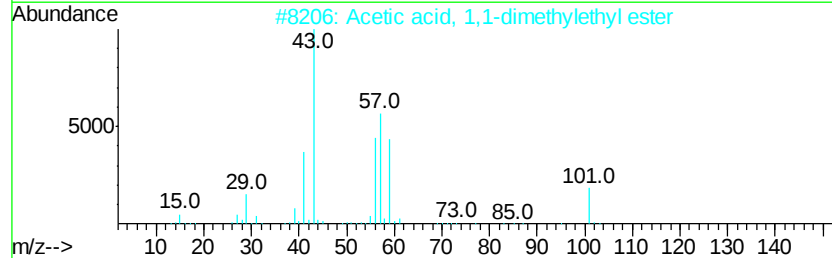
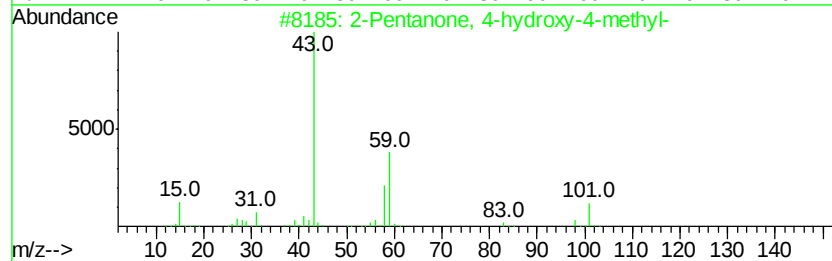
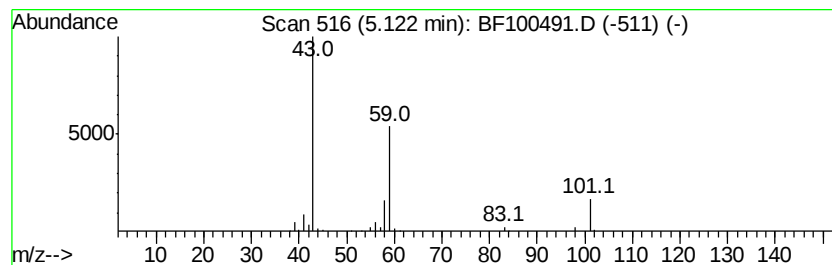
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TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 5.12 | 5.78 ng | 219734 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    |   | 5-Oxohexanenitrile                  | 111 | C6H9NO   | 010412-98-3 | 9    |
| 5    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 9    |



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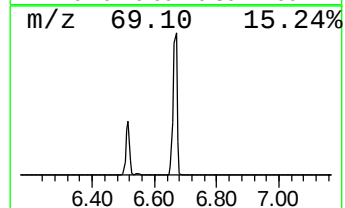
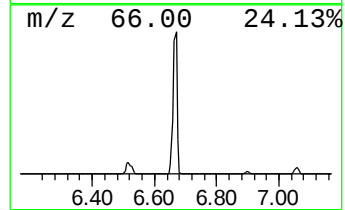
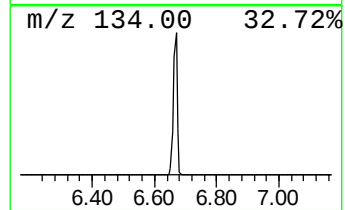
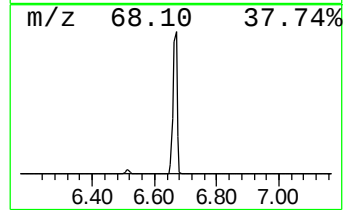
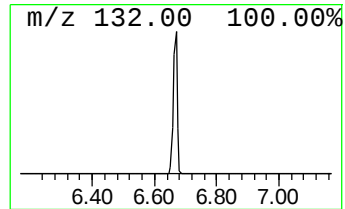
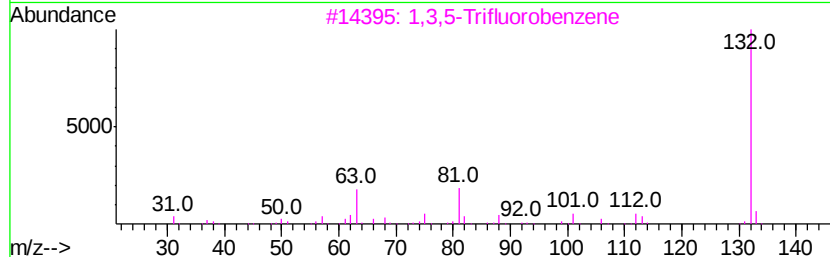
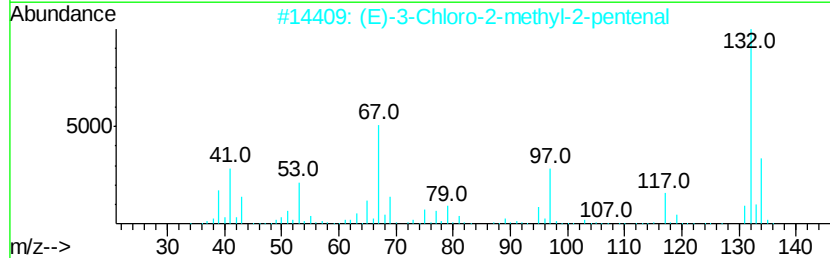
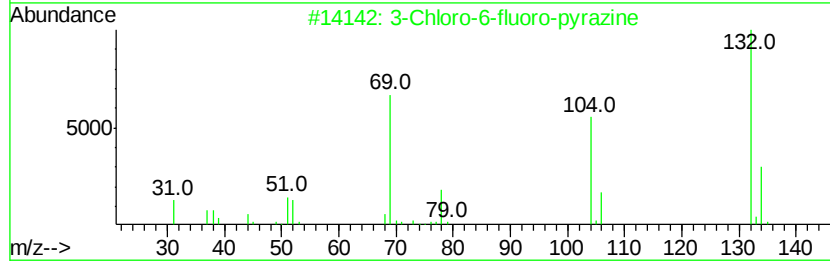
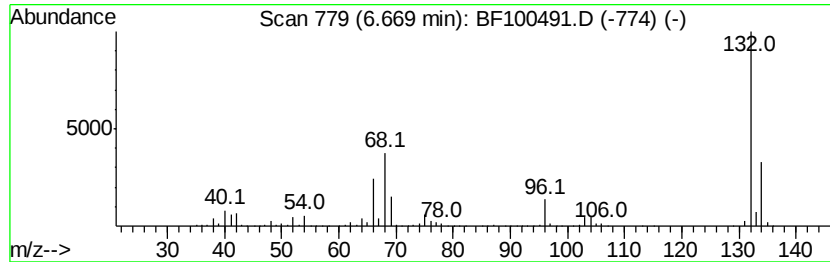
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.67 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.67 | 50.59 ng | 1922500 | 1,4-Dichlorobenzene-d4 | 6.90 |

| 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  | 17   |
| 3    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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Instrument :  
BNA\_F  
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110817-JETT-F-U-S

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

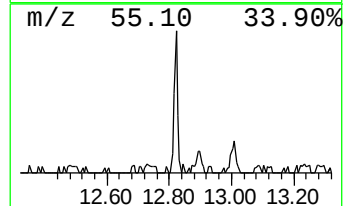
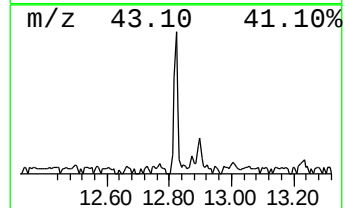
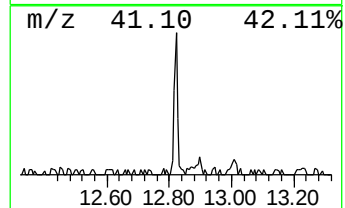
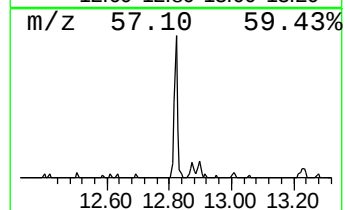
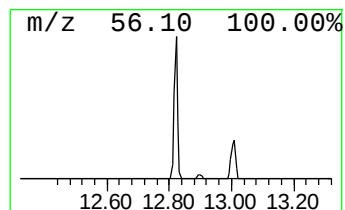
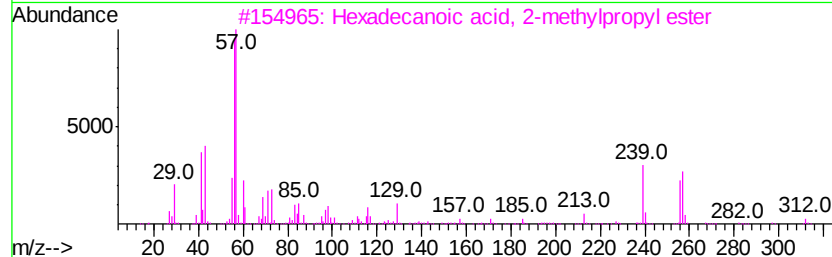
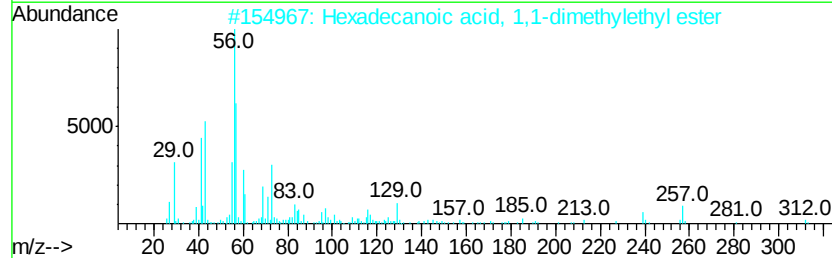
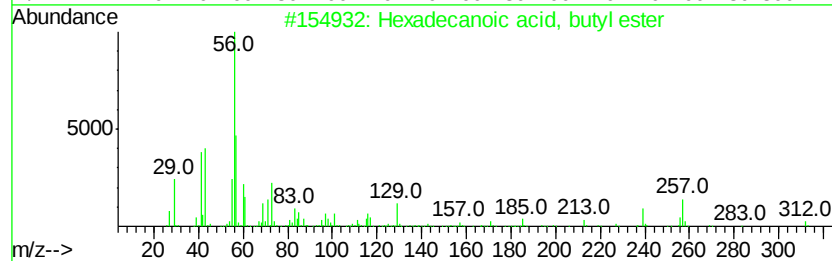
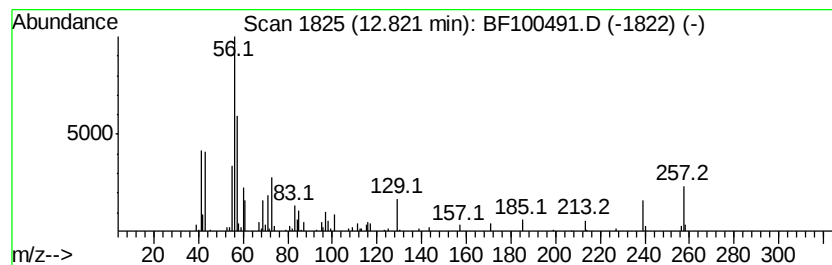
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexadecanoic acid, butyl ester Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.82 | 3.08 ng | 107706 | Chrysene-d12     | 14.06 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester       | 312 | C20H40O2 | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, 1,1-dimethyle...  | 312 | C20H40O2 | 031158-91-5 | 72   |
| 3    |    | Hexadecanoic acid, 2-methylpropyl... | 312 | C20H40O2 | 000110-34-9 | 43   |
| 4    |    | Cyclobutane, 1,1-dimethyl-2-octyl-   | 196 | C14H28   | 062338-30-1 | 35   |
| 5    |    | Cyclopropane, 1-(1-methylethyl)-...  | 210 | C15H30   | 041977-39-3 | 35   |



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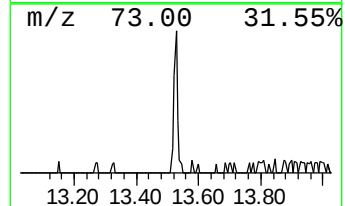
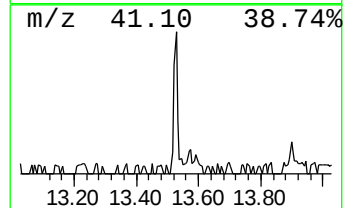
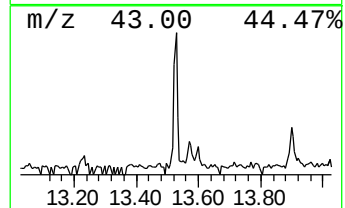
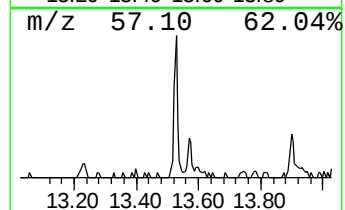
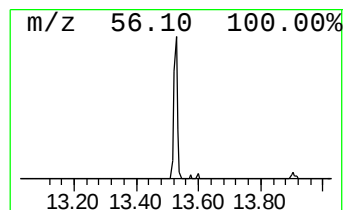
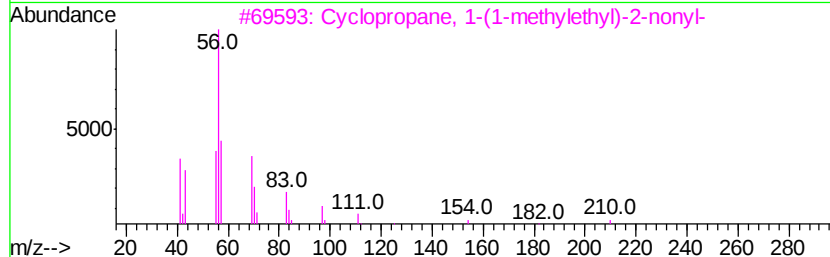
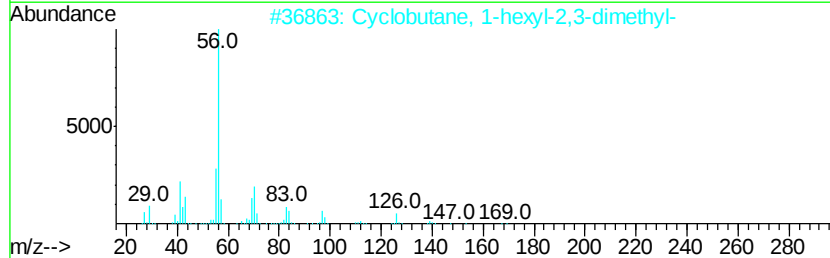
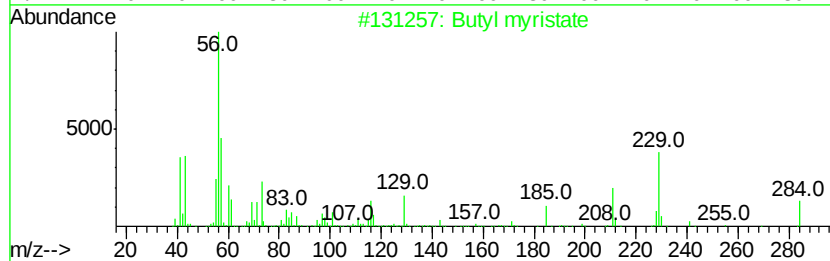
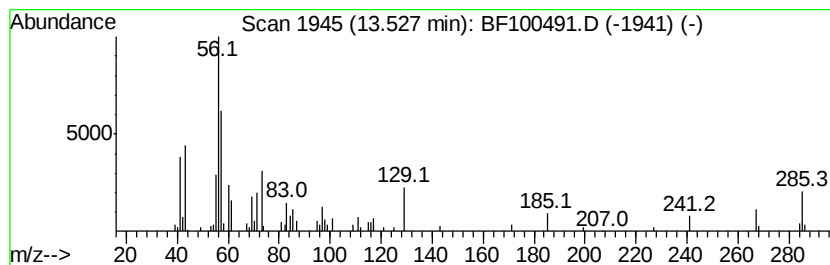
Instrument :  
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\*\*\*\*\*  
Peak Number 6 Butyl myristate Concentration Rank 6

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 13.53     | 2.20 ng                             | 77115 | Chrysene-d12     | 14.06       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Butyl myristate                     | 284   | C18H36O2         | 000110-36-1 | 59   |
| 2         | Cyclobutane, 1-hexyl-2,3-dimethyl-  | 168   | C12H24           | 055170-84-8 | 35   |
| 3         | Cyclopropane, 1-(1-methylethyl)-... | 210   | C15H30           | 041977-39-3 | 35   |
| 4         | Cyclobutane, 1,1-dimethyl-2-octyl-  | 196   | C14H28           | 062338-30-1 | 35   |
| 5         | Oxirane, 2,3-bis(1-methylethyl)-... | 128   | C8H16O           | 054644-32-5 | 32   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF111217\  
Data File : BF100491.D  
Acq On : 12 Nov 2017 15:53  
Operator : SJ/JU  
Sample : I6403-04  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
110817-JETT-F-U-S

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 2.19  | 5.9     | ng    | 225720   | 1                     | 6.90  | 760040 | 20.0 |
| 2-Pentanone, 4-hy... | 5.12  | 5.8     | ng    | 219734   | 1                     | 6.90  | 760040 | 20.0 |
| unknown6.67          | 6.67  | 50.6    | ng    | 1922500  | 1                     | 6.90  | 760040 | 20.0 |
| Hexadecanoic acid... | 12.82 | 3.1     | ng    | 107706   | 5                     | 14.06 | 700078 | 20.0 |
| Butyl myristate      | 13.53 | 2.2     | ng    | 77115    | 5                     | 14.06 | 700078 | 20.0 |