

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031115\  
 Data File : BF077709.D  
 Acq On : 12 Mar 2015 2:42  
 Operator : TP/IZ  
 Sample : G1474-05  
 Misc : W  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-1

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-BF031115.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         | 1.458       | 47            | 50          | 53           | rVB      | 233740         | 326922        | 15.85%          | 2.326%        |
| 2         | 1.618       | 61            | 64          | 68           | rVB      | 207492         | 280093        | 13.58%          | 1.993%        |
| 3         | 1.675       | 68            | 69          | 78           | rVV      | 30525          | 68907         | 3.34%           | 0.490%        |
| 4         | 1.790       | 78            | 79          | 105          | rVB      | 376871         | 699664        | 33.92%          | 4.978%        |
| 5         | 4.933       | 352           | 354         | 361          | rVB      | 64721          | 81459         | 3.95%           | 0.580%        |
| 6         | 5.459       | 397           | 400         | 402          | rBV      | 418709         | 532294        | 25.80%          | 3.787%        |
| 7         | 6.727       | 509           | 511         | 514          | rBV      | 258587         | 343437        | 16.65%          | 2.443%        |
| 8         | 6.876       | 522           | 524         | 527          | rBV      | 1058924        | 1037443       | 50.29%          | 7.381%        |
| 9         | 7.173       | 547           | 550         | 552          | rVB      | 276600         | 319786        | 15.50%          | 2.275%        |
| 10        | 7.356       | 564           | 566         | 568          | rVB      | 1137016        | 1020647       | 49.47%          | 7.262%        |
| 11        | 7.859       | 608           | 610         | 613          | rBV      | 794115         | 756621        | 36.68%          | 5.383%        |
| 12        | 8.739       | 685           | 687         | 690          | rBV      | 330408         | 451237        | 21.87%          | 3.210%        |
| 13        | 10.088      | 803           | 805         | 808          | rVB      | 2000482        | 1756965       | 85.17%          | 12.500%       |
| 14        | 10.911      | 875           | 877         | 880          | rVB      | 560775         | 557791        | 27.04%          | 3.968%        |
| 15        | 11.505      | 927           | 929         | 931          | rBV      | 24586          | 24418         | 1.18%           | 0.174%        |
| 16        | 11.894      | 960           | 963         | 965          | rBV      | 937875         | 1083090       | 52.50%          | 7.706%        |
| 17        | 12.031      | 973           | 975         | 978          | rBV      | 47412          | 57399         | 2.78%           | 0.408%        |
| 18        | 12.088      | 978           | 980         | 984          | rVB      | 20241          | 30494         | 1.48%           | 0.217%        |
| 19        | 12.568      | 1020          | 1022        | 1024         | rVB      | 39148          | 33365         | 1.62%           | 0.237%        |
| 20        | 12.751      | 1036          | 1038        | 1041         | rBV      | 630401         | 589646        | 28.58%          | 4.195%        |
| 21        | 13.471      | 1097          | 1101        | 1103         | rBV2     | 25168          | 44352         | 2.15%           | 0.316%        |
| 22        | 13.517      | 1103          | 1105        | 1107         | rVB2     | 38151          | 56136         | 2.72%           | 0.399%        |
| 23        | 14.740      | 1210          | 1212        | 1215         | rBV      | 1504946        | 2062960       | 100.00%         | 14.677%       |
| 24        | 14.831      | 1215          | 1220        | 1224         | rVB      | 29473          | 36575         | 1.77%           | 0.260%        |
| 25        | 15.494      | 1274          | 1278        | 1282         | rBV7     | 6694           | 21082         | 1.02%           | 0.150%        |
| 26        | 15.917      | 1312          | 1315        | 1319         | rBV      | 165213         | 206067        | 9.99%           | 1.466%        |
| 27        | 16.031      | 1322          | 1325        | 1327         | rVB      | 492700         | 639522        | 31.00%          | 4.550%        |
| 28        | 16.717      | 1383          | 1385        | 1389         | rVB4     | 12080          | 21189         | 1.03%           | 0.151%        |
| 29        | 17.163      | 1421          | 1424        | 1426         | rBV      | 59557          | 69147         | 3.35%           | 0.492%        |
| 30        | 17.700      | 1468          | 1471        | 1474         | rBV      | 539839         | 626652        | 30.38%          | 4.458%        |
| 31        | 18.294      | 1521          | 1523        | 1532         | rVB8     | 16045          | 37529         | 1.82%           | 0.267%        |
| 32        | 18.580      | 1545          | 1548        | 1551         | rVB4     | 13485          | 23235         | 1.13%           | 0.165%        |
| 33        | 19.289      | 1607          | 1610        | 1614         | rBV4     | 27508          | 56466         | 2.74%           | 0.402%        |
| 34        | 19.666      | 1641          | 1643        | 1649         | rVB8     | 14348          | 36287         | 1.76%           | 0.258%        |

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Misc : W  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-1

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-BF031115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 20.134 | 1680 | 1684 | 1690 | rVB2 | 23134 | 66595 | 3.23% | 0.474% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

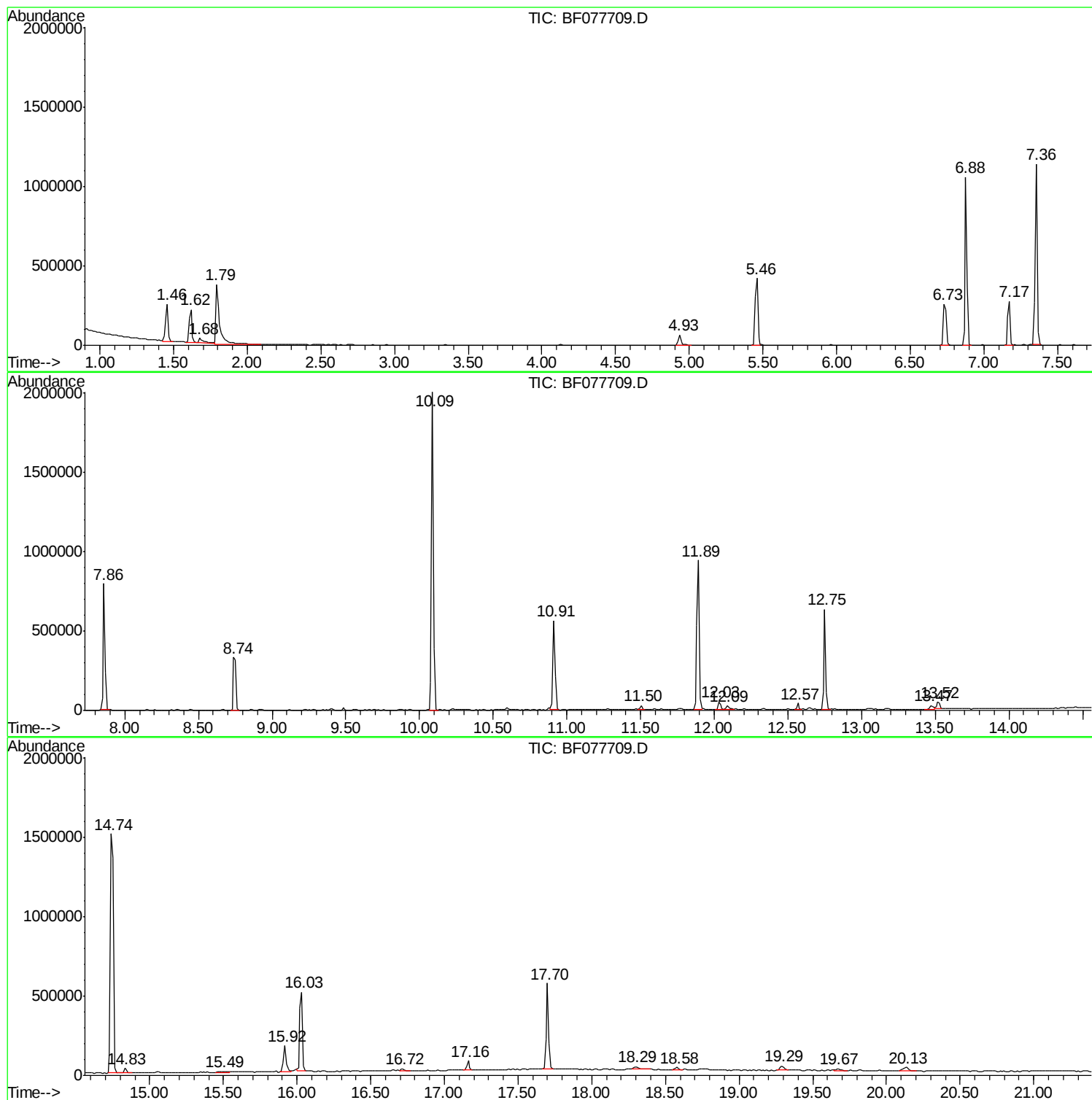
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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MW-1

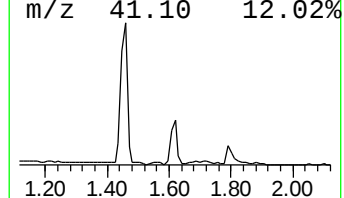
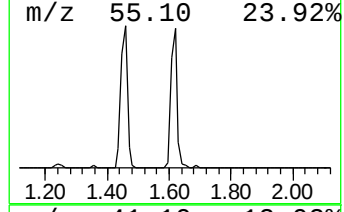
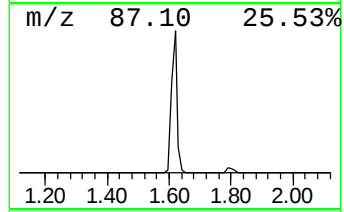
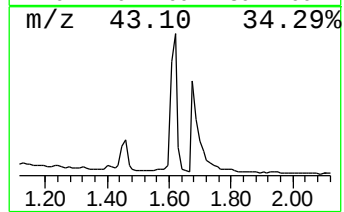
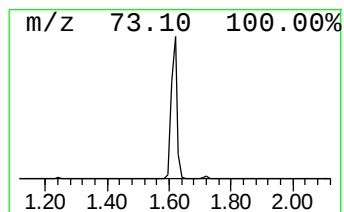
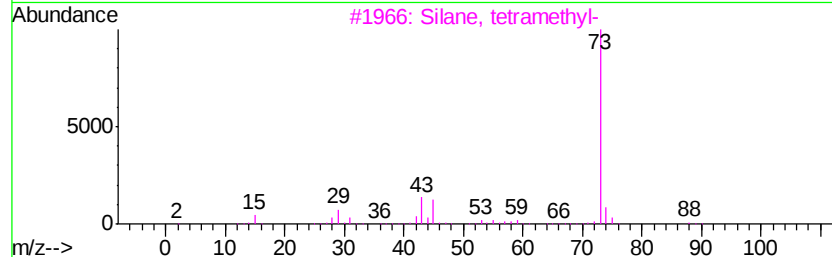
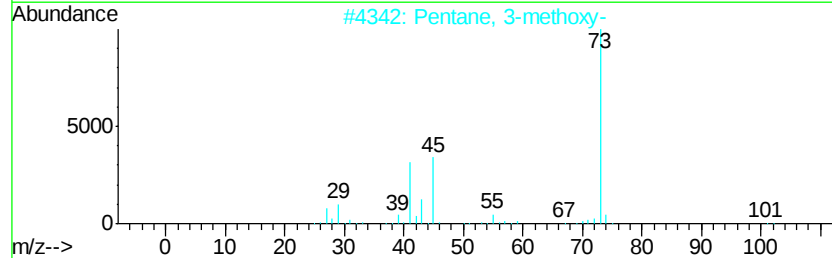
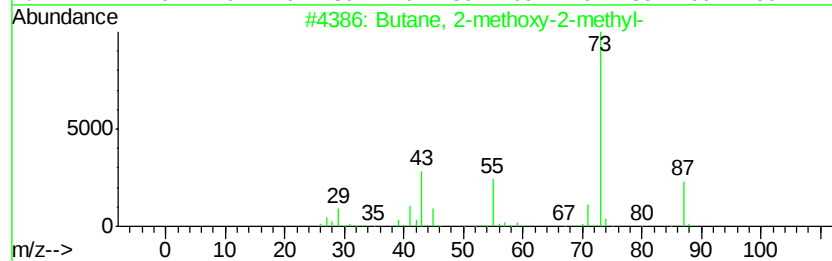
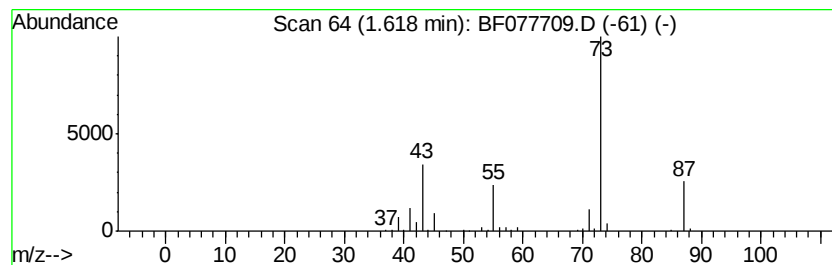
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.62 | 17.52 ng | 280093 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 10   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

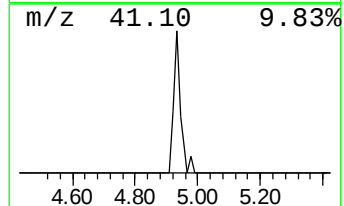
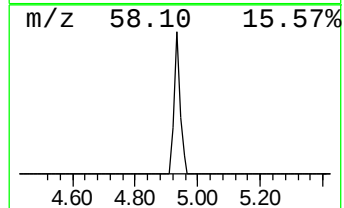
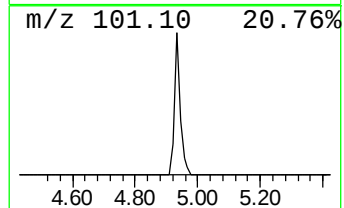
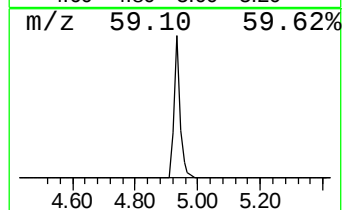
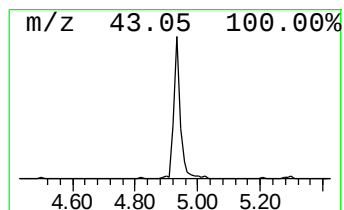
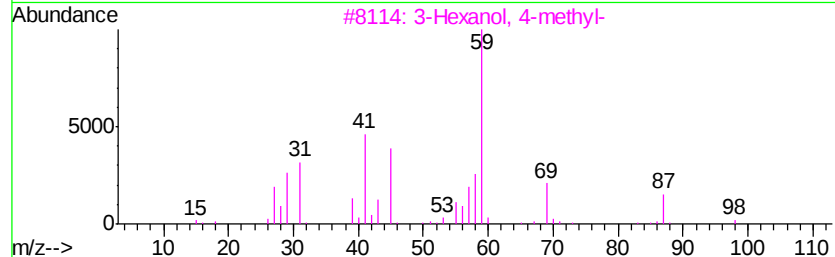
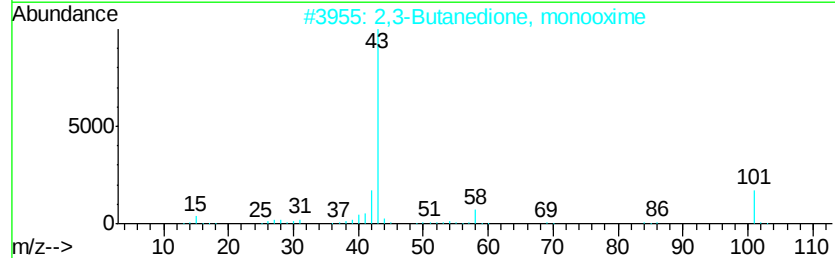
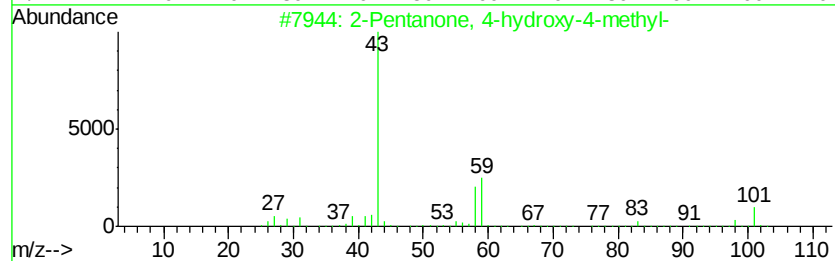
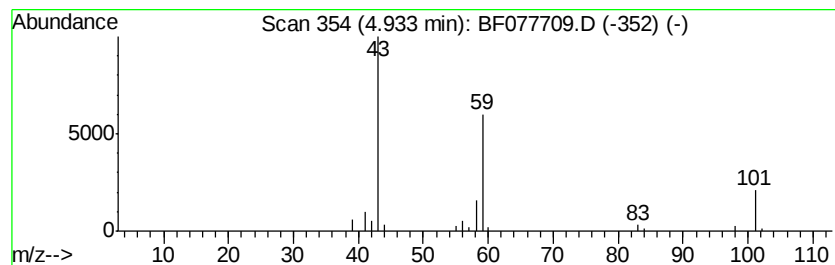
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.93 | 5.09 ng | 81459 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2      | 000057-71-6 | 35      |      |      |
| 3    | 3-Hexanol, 4-methyl-             | 116 | C7H16O       | 000615-29-2 | 28      |      |      |
| 4    | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO      | 005780-40-5 | 25      |      |      |
| 5    | Butane, 1-ethoxy-                | 102 | C6H14O       | 000628-81-9 | 9       |      |      |



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Misc : W  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-1

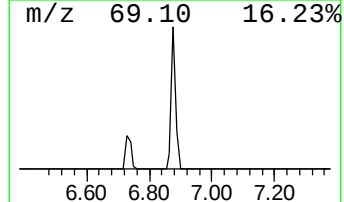
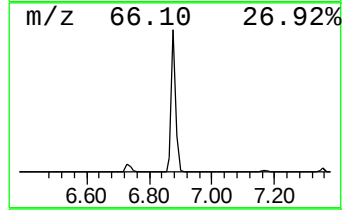
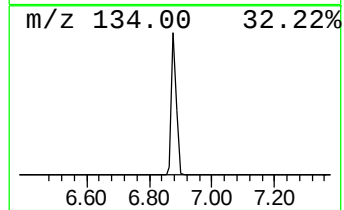
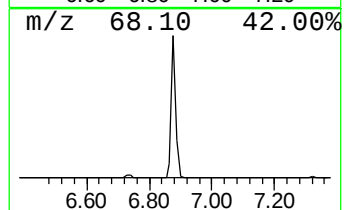
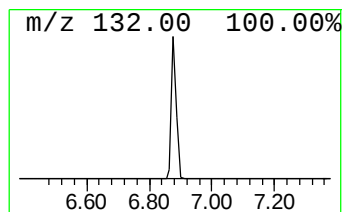
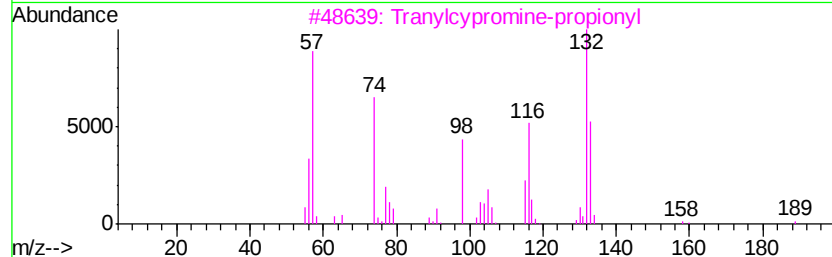
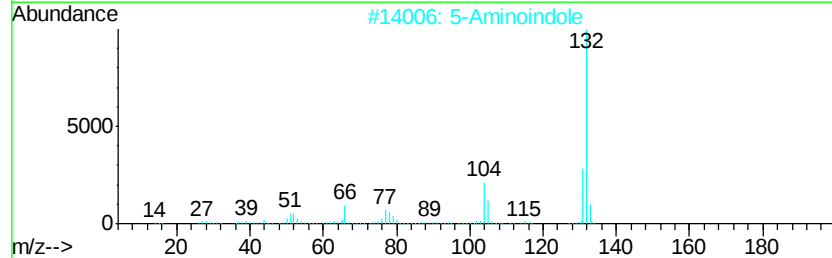
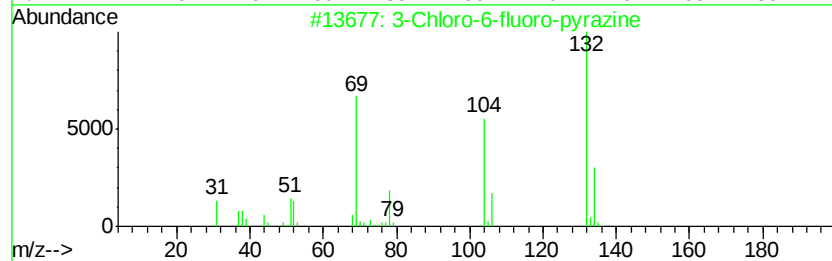
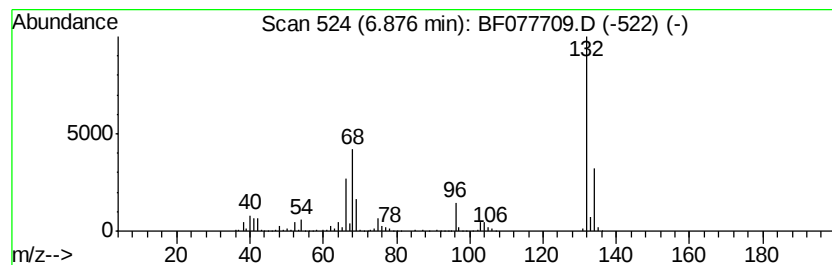
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown6.88 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.88 | 64.88 ng | 1037440 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    |   | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



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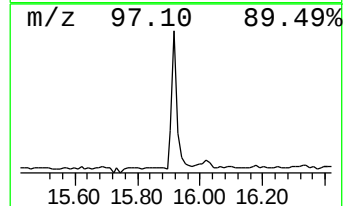
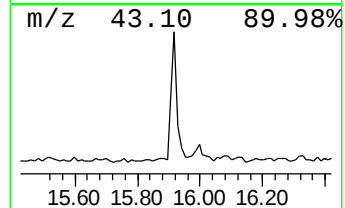
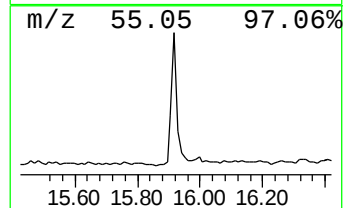
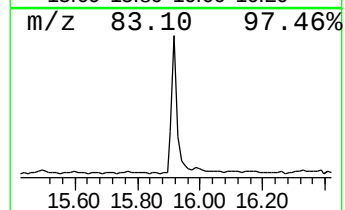
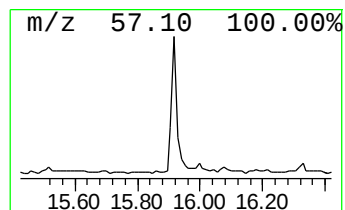
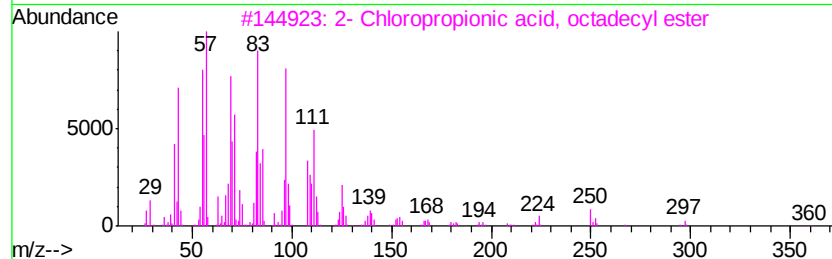
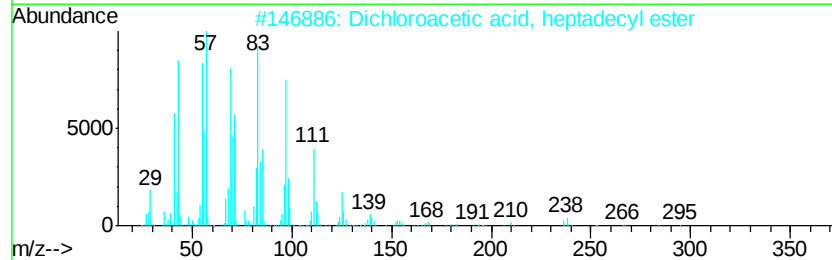
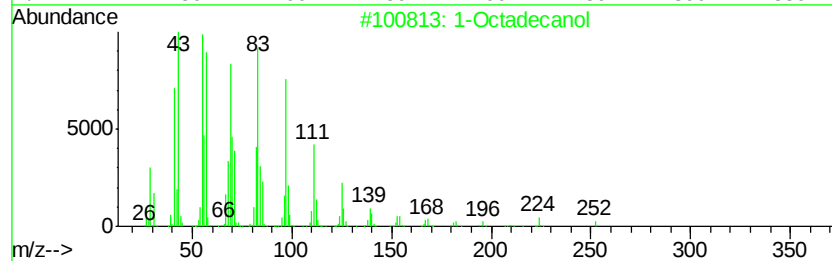
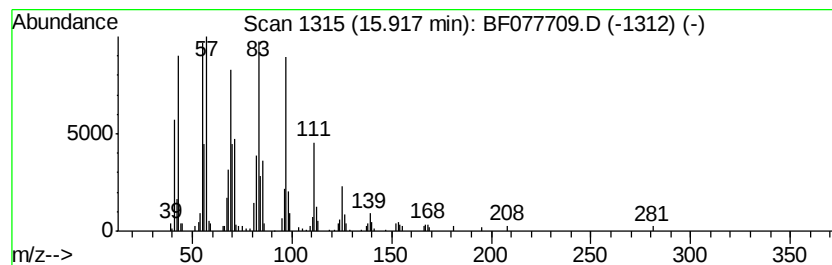
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Octadecanol Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.92 | 6.44 ng | 206067 | Chrysene-d12     | 16.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 1-Octadecanol                       | 270 | C18H38O     | 000112-92-5  | 94   |
| 2    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 93   |
| 3    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2  | 088104-31-8  | 93   |
| 4    |    | 1-Heptadecanol                      | 256 | C17H36O     | 001454-85-9  | 91   |
| 5    |    | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2  | 086711-81-1  | 91   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

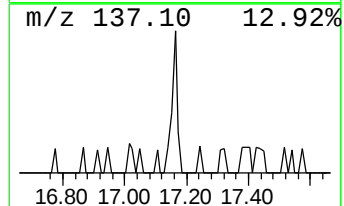
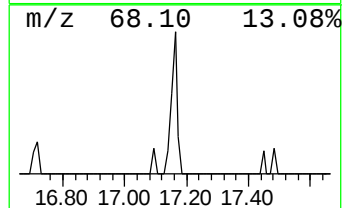
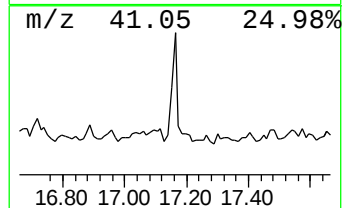
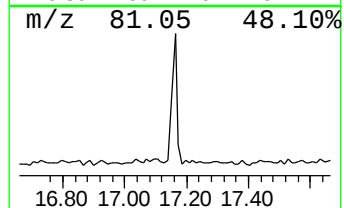
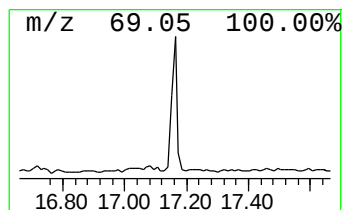
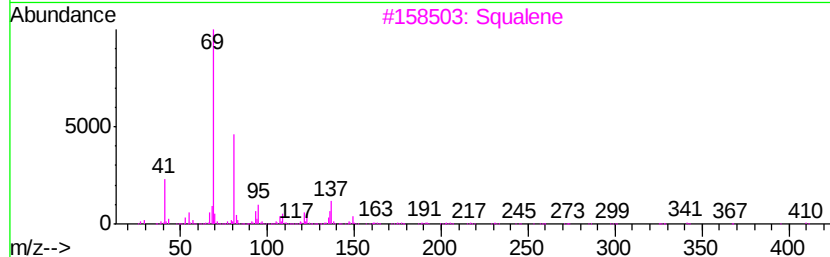
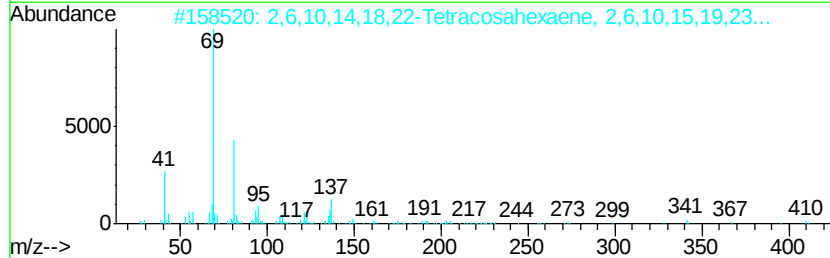
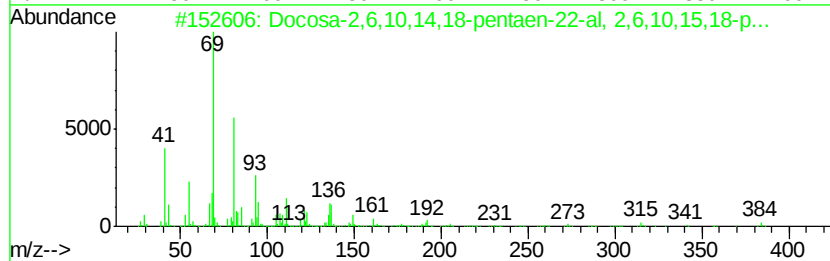
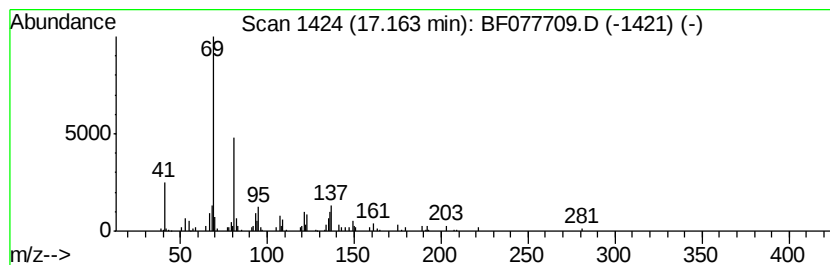
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Docosa-2,6,10,14,18-pentaen... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.16 | 2.21 ng | 69147 | Perylene-d12     | 17.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 91   |
| 2    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4  | 90   |
| 3    |    | Squalene                            | 410 | C30H50  | 007683-64-9  | 87   |
| 4    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6  | 72   |
| 5    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4  | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031115\  
Data File : BF077709.D  
Acq On : 12 Mar 2015 2:42  
Operator : TP/IZ  
Sample : G1474-05  
Misc : W  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 1.62  | 17.5    | ng    | 280093   | 1                     | 7.17  | 319786 | 20.0 |
| 2-Pentanone, 4-hy... | 4.93  | 5.1     | ng    | 81459    | 1                     | 7.17  | 319786 | 20.0 |
| unknown6.88          | 6.88  | 64.9    | ng    | 1037440  | 1                     | 7.17  | 319786 | 20.0 |
| 1-Octadecanol        | 15.92 | 6.4     | ng    | 206067   | 5                     | 16.03 | 639522 | 20.0 |
| Docosa-2,6,10,14,... | 17.16 | 2.2     | ng    | 69147    | 6                     | 17.70 | 626652 | 20.0 |