

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070115\  
 Data File : BF080293.D  
 Acq On : 2 Jul 2015 3:24  
 Operator : TP/UM  
 Sample : G2855-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SIDEWALLNORTH(4FT)63015

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-BF070115.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         | 5.476       | 207           | 209         | 215          | rVB      | 178737         | 169362        | 15.52%          | 1.562%        |
| 2         | 5.876       | 241           | 244         | 246          | rBV      | 936586         | 824214        | 75.52%          | 7.601%        |
| 3         | 6.276       | 277           | 279         | 281          | rBV      | 16035          | 13249         | 1.21%           | 0.122%        |
| 4         | 6.870       | 329           | 331         | 333          | rBV      | 1090037        | 874172        | 80.10%          | 8.062%        |
| 5         | 7.030       | 343           | 345         | 348          | rBV      | 1098908        | 898707        | 82.35%          | 8.288%        |
| 6         | 7.270       | 363           | 366         | 368          | rBV      | 356272         | 351323        | 32.19%          | 3.240%        |
| 7         | 7.430       | 377           | 380         | 382          | rBV      | 491542         | 635387        | 58.22%          | 5.860%        |
| 8         | 7.819       | 412           | 414         | 417          | rBV      | 583112         | 504529        | 46.23%          | 4.653%        |
| 9         | 8.562       | 476           | 479         | 481          | rBV      | 358535         | 492596        | 45.13%          | 4.543%        |
| 10        | 9.625       | 570           | 572         | 575          | rBV      | 712034         | 956810        | 87.67%          | 8.824%        |
| 11        | 10.013      | 604           | 606         | 609          | rBV      | 64470          | 76266         | 6.99%           | 0.703%        |
| 12        | 10.322      | 631           | 633         | 636          | rBV      | 697838         | 628281        | 57.57%          | 5.794%        |
| 13        | 10.642      | 655           | 661         | 668          | rBV      | 27140          | 107671        | 9.87%           | 0.993%        |
| 14        | 10.733      | 668           | 669         | 671          | rVB      | 14643          | 13474         | 1.23%           | 0.124%        |
| 15        | 11.111      | 700           | 702         | 705          | rBV2     | 544925         | 632312        | 57.94%          | 5.831%        |
| 16        | 11.213      | 709           | 711         | 715          | rBV      | 21390          | 25006         | 2.29%           | 0.231%        |
| 17        | 11.831      | 762           | 765         | 767          | rBV      | 474222         | 648252        | 59.40%          | 5.978%        |
| 18        | 12.036      | 781           | 783         | 787          | rBV4     | 12676          | 32229         | 2.95%           | 0.297%        |
| 19        | 12.596      | 830           | 832         | 834          | rBV      | 93794          | 92941         | 8.52%           | 0.857%        |
| 20        | 13.099      | 874           | 876         | 890          | rVB7     | 26864          | 95655         | 8.76%           | 0.882%        |
| 21        | 13.339      | 895           | 897         | 900          | rVB      | 17136          | 21981         | 2.01%           | 0.203%        |
| 22        | 13.488      | 907           | 910         | 912          | rBV      | 1127486        | 1091389       | 100.00%         | 10.065%       |
| 23        | 14.025      | 954           | 957         | 963          | rBV4     | 12389          | 41249         | 3.78%           | 0.380%        |
| 24        | 14.528      | 998           | 1001        | 1012         | rBV      | 32695          | 79280         | 7.26%           | 0.731%        |
| 25        | 14.722      | 1016          | 1018        | 1021         | rBV      | 576990         | 642166        | 58.84%          | 5.922%        |
| 26        | 15.682      | 1098          | 1102        | 1106         | rBV3     | 10337          | 29521         | 2.70%           | 0.272%        |
| 27        | 15.808      | 1110          | 1113        | 1115         | rVB      | 105586         | 154932        | 14.20%          | 1.429%        |
| 28        | 16.025      | 1129          | 1132        | 1133         | rBV2     | 6408           | 12586         | 1.15%           | 0.116%        |
| 29        | 16.551      | 1175          | 1178        | 1181         | rBV      | 396721         | 588528        | 53.92%          | 5.427%        |
| 30        | 17.431      | 1251          | 1255        | 1263         | rBV6     | 6676           | 25512         | 2.34%           | 0.235%        |
| 31        | 17.660      | 1272          | 1275        | 1283         | rBV5     | 9258           | 41111         | 3.77%           | 0.379%        |
| 32        | 18.346      | 1332          | 1335        | 1340         | rVB3     | 5882           | 14652         | 1.34%           | 0.135%        |
| 33        | 18.883      | 1379          | 1382        | 1385         | rBV5     | 6323           | 15896         | 1.46%           | 0.147%        |
| 34        | 19.066      | 1395          | 1398        | 1402         | rVB4     | 4459           | 12447         | 1.14%           | 0.115%        |

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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-BF070115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

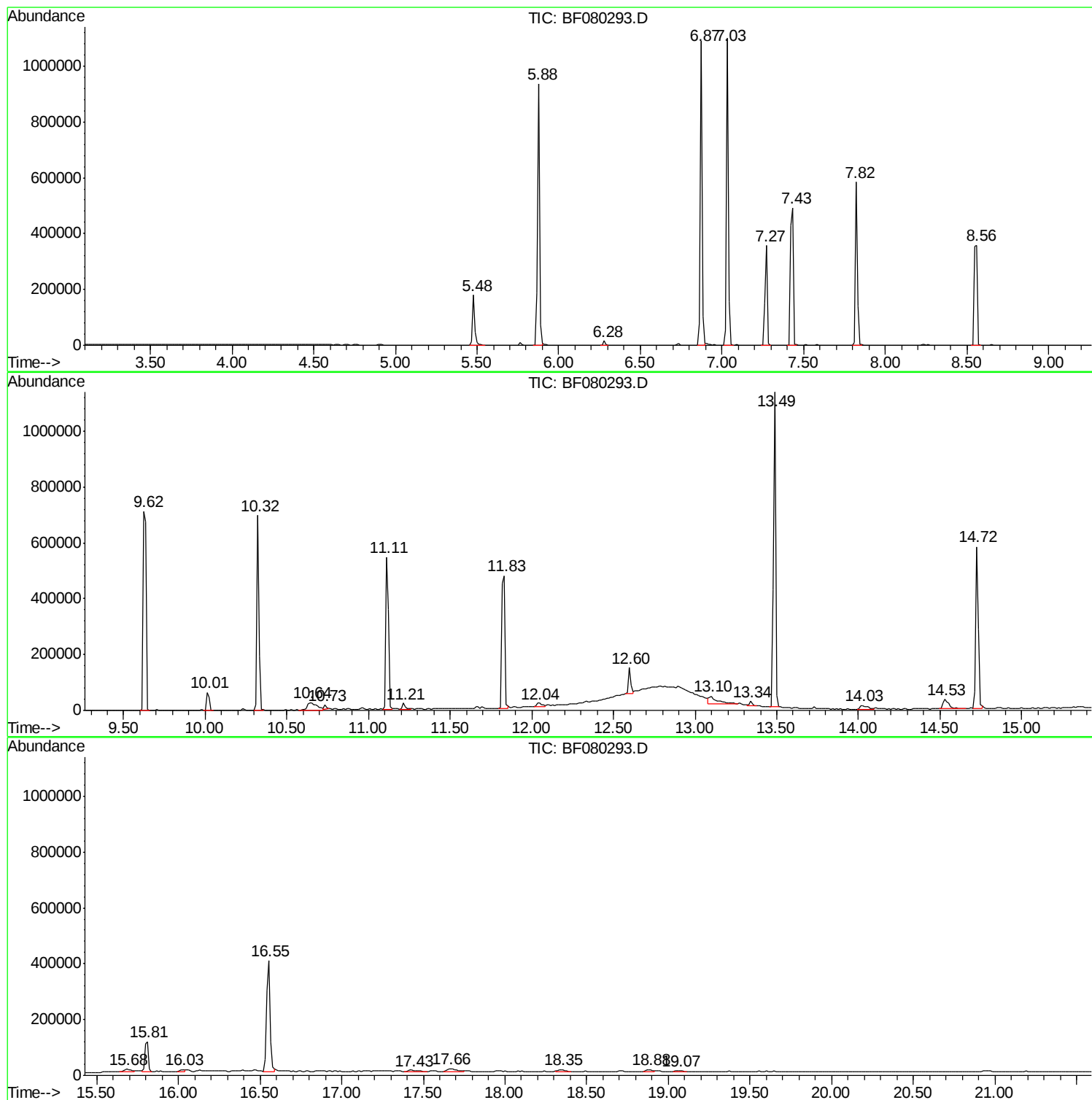
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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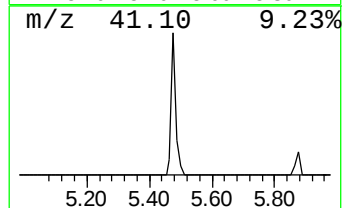
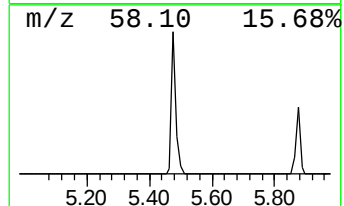
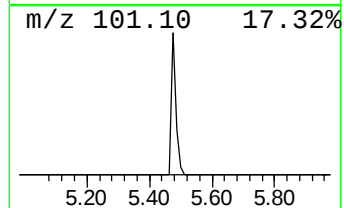
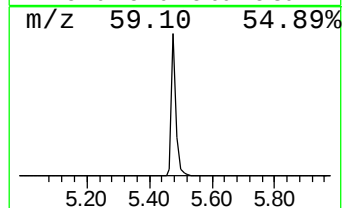
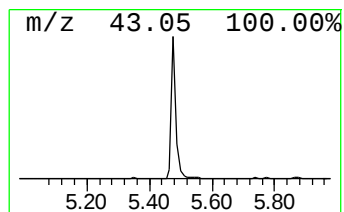
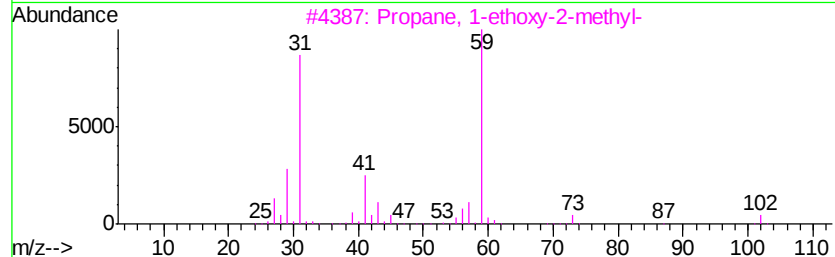
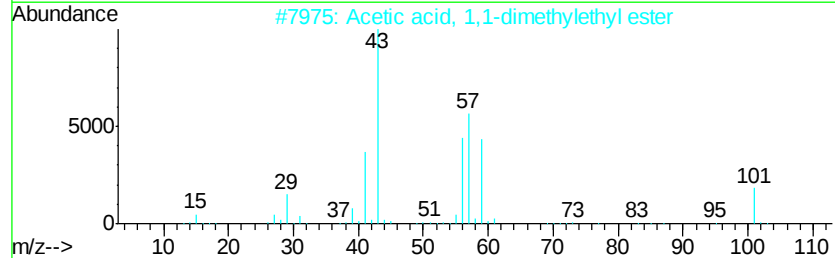
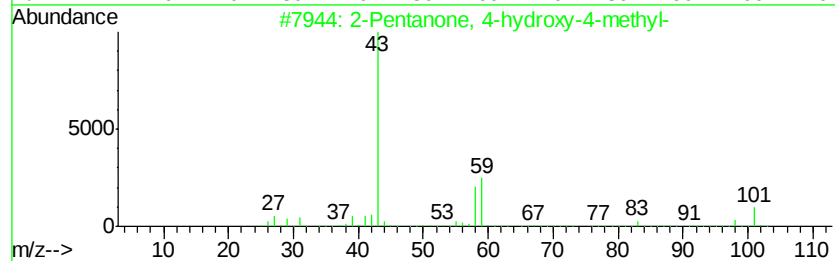
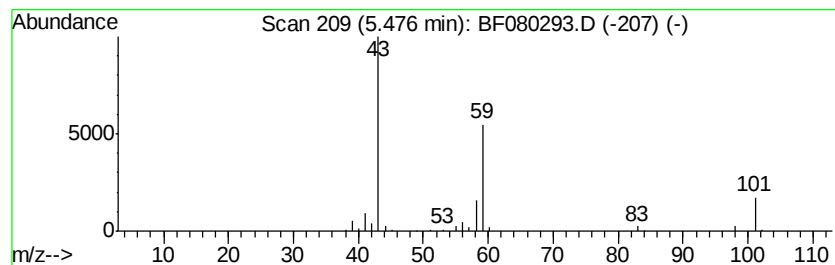
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.48 | 9.64 ng | 169362 | 1,4-Dichlorobenzene-d4 | 7.27 |

| 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    |    |   | Propane, 1-ethoxy-2-methyl-         | 102 | C6H14O   | 000627-02-1 | 9    |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9    |
| 5    |    |   | Butanamide, 2-hydroxy-2,N-dimethyl- | 117 | C5H11NO2 | 039961-72-3 | 9    |



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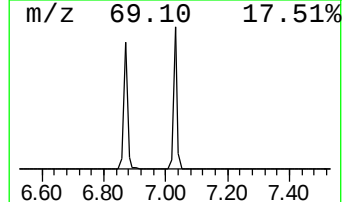
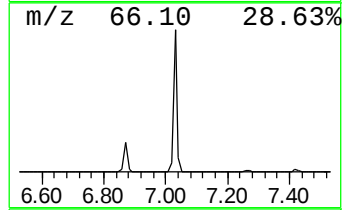
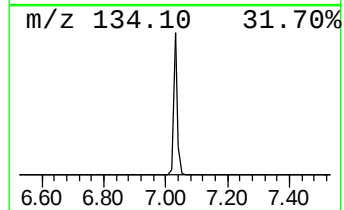
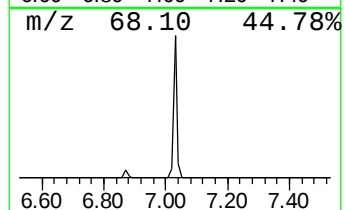
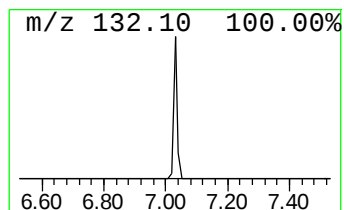
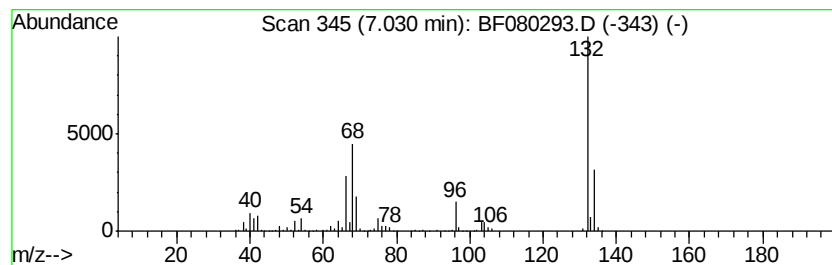
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown7.03 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.03 | 51.16 ng | 898707 | 1,4-Dichlorobenzene-d4 | 7.27 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    |   | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
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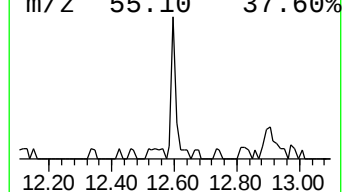
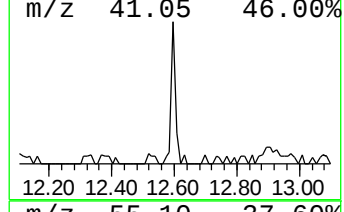
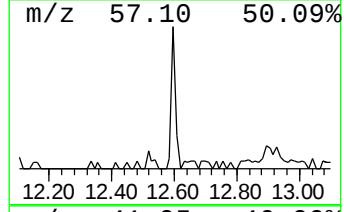
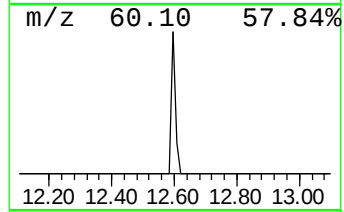
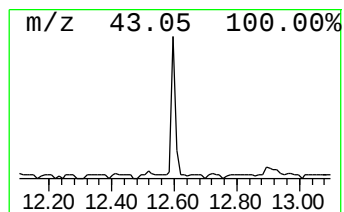
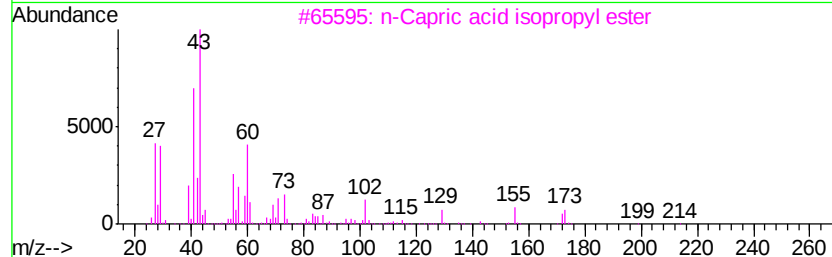
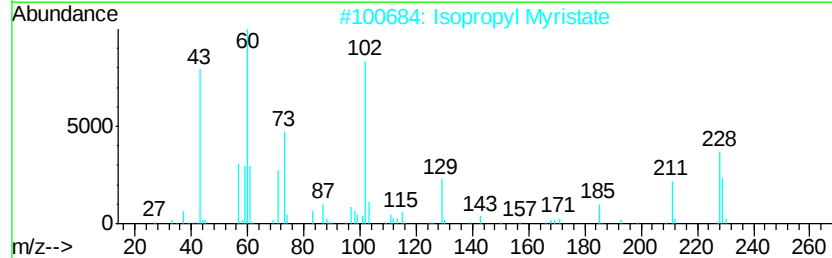
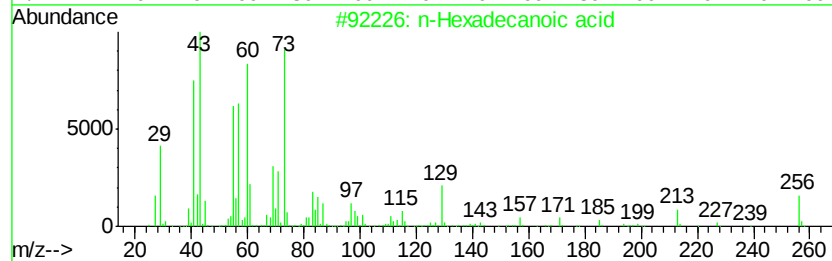
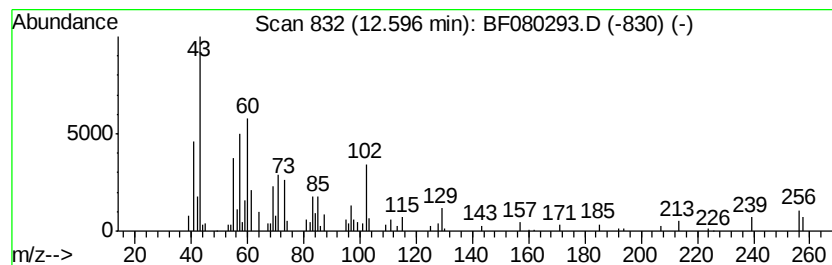
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.60 | 2.87 ng | 92941 | Phenanthrene-d10 | 11.83 |

| Hit# of | 5 | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------|-----|----------|--------------|------|
| 1       |   | n-Hexadecanoic acid           | 256 | C16H32O2 | 000057-10-3  | 89   |
| 2       |   | Isopropyl Myristate           | 270 | C17H34O2 | 000110-27-0  | 58   |
| 3       |   | n-Capric acid isopropyl ester | 214 | C13H26O2 | 002311-59-3  | 50   |
| 4       |   | 3,4-Altrosan                  | 162 | C6H10O5  | 1000129-76-4 | 38   |
| 5       |   | Lyxitol, 1-O-decyl-           | 292 | C15H32O5 | 1000153-94-4 | 35   |



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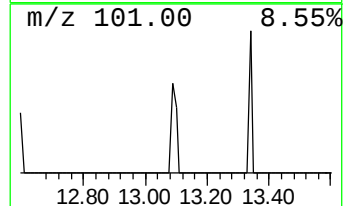
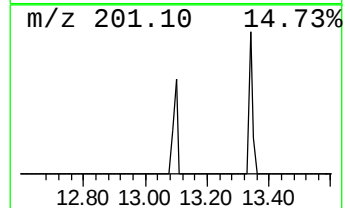
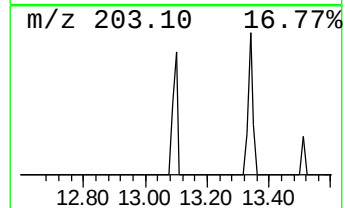
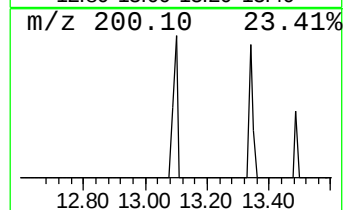
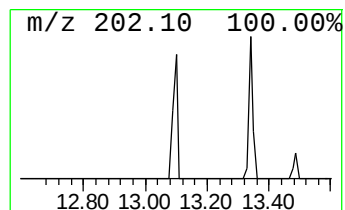
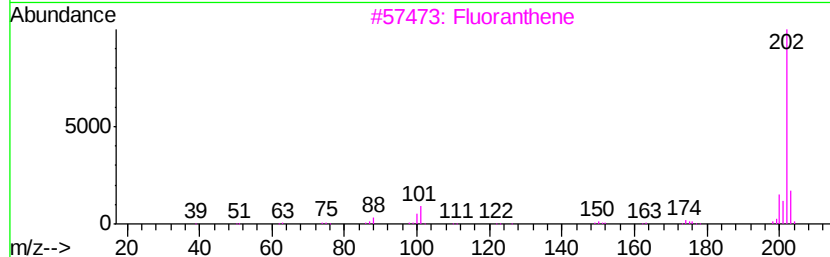
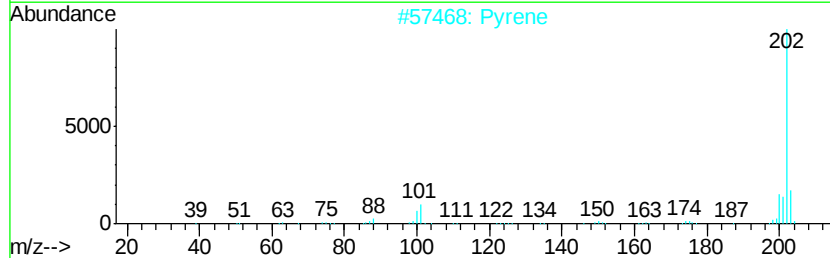
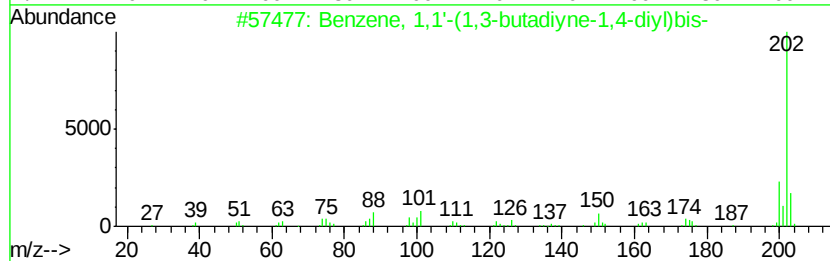
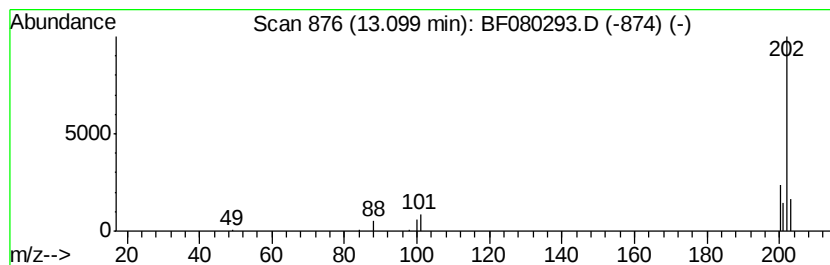
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|---------|-------------------------------------|------------------|------------|-------------|------|
| 13.10   | 2.95 ng | 95655                               | Phenanthrene-d10 | 11.83      |             |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |         | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202              | C16H10     | 000886-66-8 | 72   |
| 2       |         | Pyrene                              | 202              | C16H10     | 000129-00-0 | 72   |
| 3       |         | Fluoranthene                        | 202              | C16H10     | 000206-44-0 | 72   |
| 4       |         | Pyrimidine, 2-phenyl-4-hydroxy-5... | 202              | C11H10N2O2 | 085386-21-6 | 9    |
| 5       |         | Benzaldehyde, 2,6-difuloro-3,4-d... | 202              | C9H8F2O3   | 152434-99-6 | 7    |



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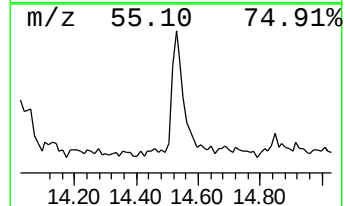
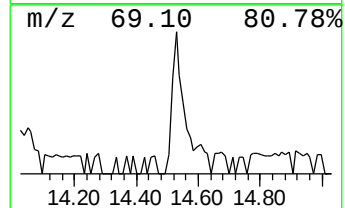
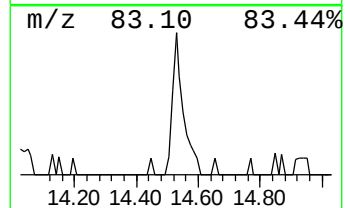
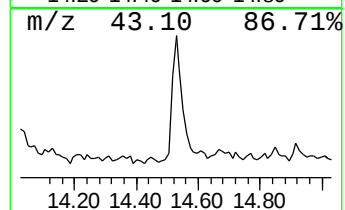
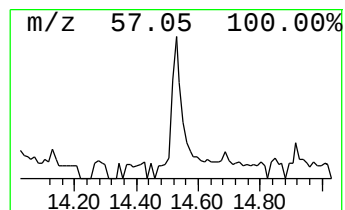
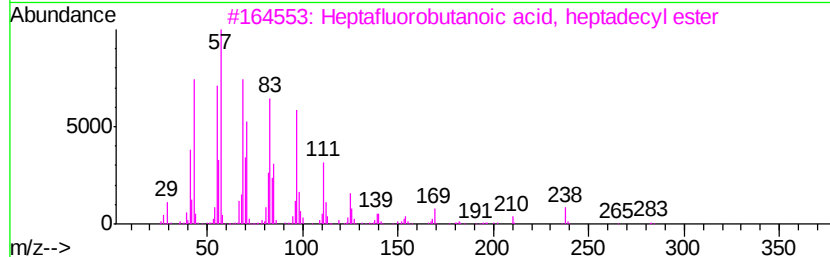
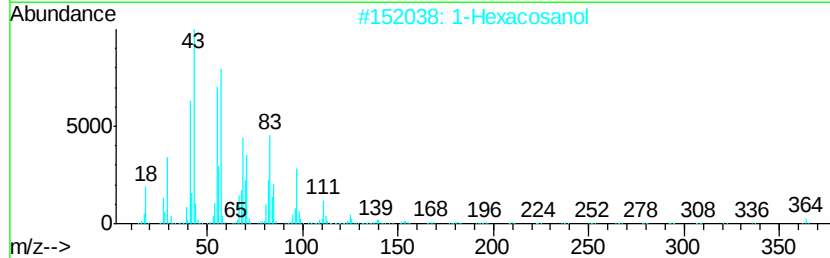
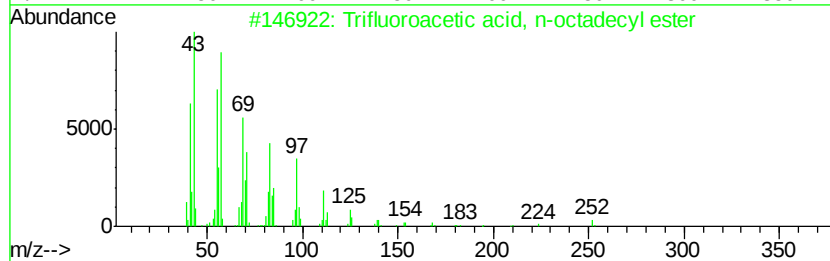
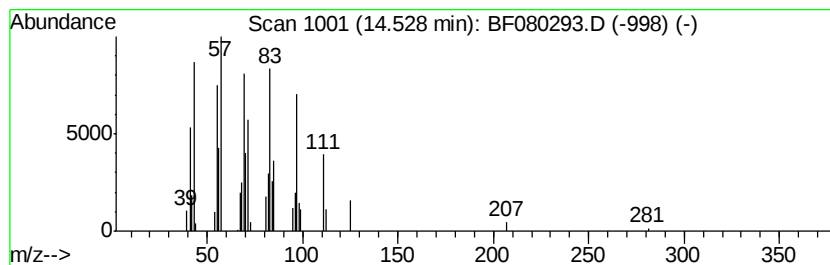
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Trifluoroacetic acid, n-oct... Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.53 | 2.47 ng | 79280 | Chrysene-d12     | 14.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2  | 079392-43-1  | 91   |
| 2    |    | 1-Hexacosanol                       | 382 | C26H54O     | 000506-52-5  | 91   |
| 3    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 91   |
| 4    |    | 1-Octadecanol                       | 270 | C18H38O     | 000112-92-5  | 90   |
| 5    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070115\  
Data File : BF080293.D  
Acq On : 2 Jul 2015 3:24  
Operator : TP/UM  
Sample : G2855-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SIDEWALLNORTH(4FT)63015

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

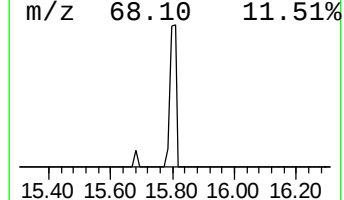
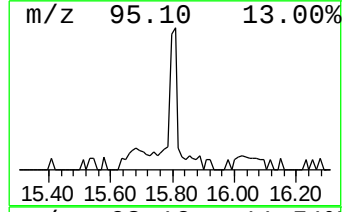
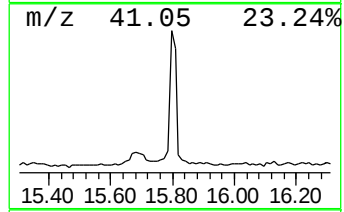
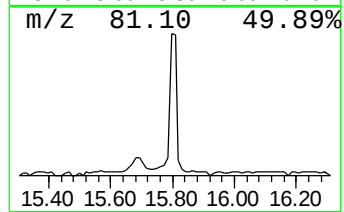
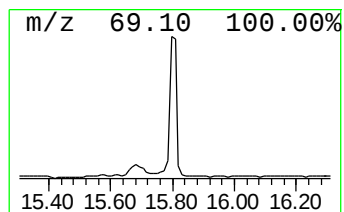
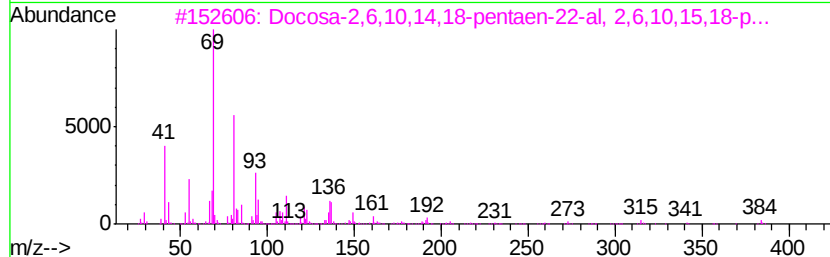
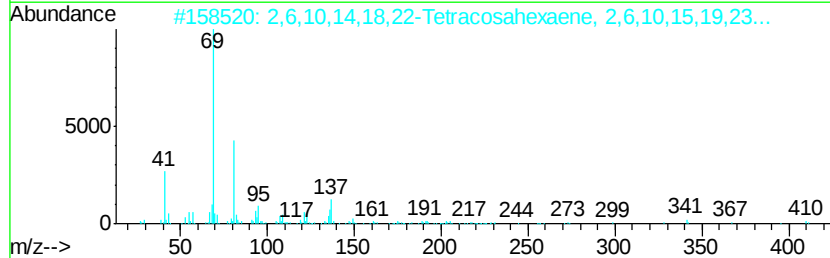
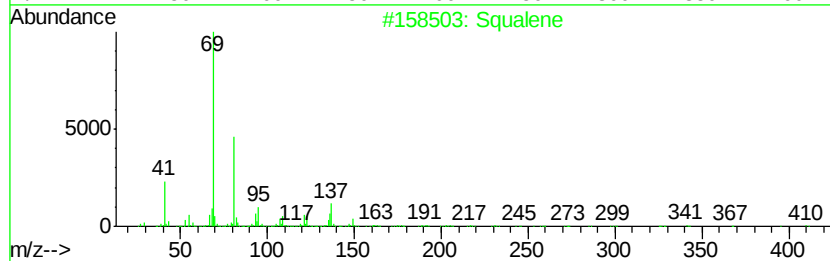
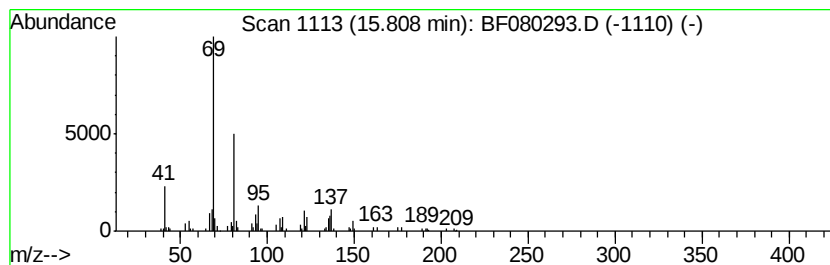
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Squalene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.81 | 5.27 ng | 154932 | Perylene-d12     | 16.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9  | 91   |
| 2    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4  | 91   |
| 3    |    | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 83   |
| 4    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6  | 80   |
| 5    |    | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7  | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070115\  
Data File : BF080293.D  
Acq On : 2 Jul 2015 3:24  
Operator : TP/UM  
Sample : G2855-02  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SIDEWALLNORTH(4FT)63015

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.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 |
| 2-Pentanone, 4-hy... | 5.48  | 9.6     | ng    | 169362   | 1                     | 7.27  | 351323 | 20.0 |
| unknown7.03          | 7.03  | 51.2    | ng    | 898707   | 1                     | 7.27  | 351323 | 20.0 |
| n-Hexadecanoic acid  | 12.60 | 2.9     | ng    | 92941    | 4                     | 11.83 | 648252 | 20.0 |
| Benzene, 1,1'-(1,... | 13.10 | 3.0     | ng    | 95655    | 4                     | 11.83 | 648252 | 20.0 |
| Trifluoroacetic a... | 14.53 | 2.5     | ng    | 79280    | 5                     | 14.72 | 642166 | 20.0 |
| Squalene             | 15.81 | 5.3     | ng    | 154932   | 6                     | 16.55 | 588528 | 20.0 |