

Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
 Data File : BF085341.D  
 Acq On : 10 Mar 2016 19:01  
 Operator : UM/SJ  
 Sample : H1753-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP2

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-BF030316.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         | 5.144       | 247           | 250         | 257          | rBV      | 207764         | 271581        | 6.60%           | 0.638%        |
| 2         | 5.544       | 282           | 285         | 288          | rBV      | 3232494        | 3385116       | 82.25%          | 7.952%        |
| 3         | 6.562       | 371           | 374         | 377          | rBV      | 2753433        | 3919727       | 95.24%          | 9.208%        |
| 4         | 6.710       | 384           | 387         | 389          | rBV      | 3744161        | 4115513       | 100.00%         | 9.668%        |
| 5         | 6.939       | 404           | 407         | 409          | rBV      | 1153643        | 946145        | 22.99%          | 2.223%        |
| 6         | 7.099       | 418           | 421         | 423          | rBV      | 3133227        | 3058472       | 74.32%          | 7.185%        |
| 7         | 7.499       | 453           | 456         | 458          | rBV      | 1750234        | 1900398       | 46.18%          | 4.465%        |
| 8         | 8.219       | 517           | 519         | 523          | rVB2     | 942818         | 1087318       | 26.42%          | 2.554%        |
| 9         | 8.939       | 580           | 582         | 584          | rVB      | 57640          | 57372         | 1.39%           | 0.135%        |
| 10        | 9.305       | 611           | 614         | 616          | rBV      | 3287421        | 3796221       | 92.24%          | 8.918%        |
| 11        | 9.373       | 618           | 620         | 625          | rBV2     | 32569          | 66647         | 1.62%           | 0.157%        |
| 12        | 9.636       | 640           | 643         | 646          | rBV      | 48861          | 76799         | 1.87%           | 0.180%        |
| 13        | 9.693       | 646           | 648         | 650          | rBV      | 476886         | 447055        | 10.86%          | 1.050%        |
| 14        | 9.911       | 663           | 667         | 669          | rBV      | 119128         | 106543        | 2.59%           | 0.250%        |
| 15        | 9.979       | 670           | 673         | 675          | rVV      | 1237228        | 1136305       | 27.61%          | 2.669%        |
| 16        | 10.013      | 675           | 676         | 678          | rVV      | 143689         | 110951        | 2.70%           | 0.261%        |
| 17        | 10.082      | 680           | 682         | 684          | rVB2     | 31482          | 43723         | 1.06%           | 0.103%        |
| 18        | 10.139      | 684           | 687         | 689          | rBV      | 35035          | 64176         | 1.56%           | 0.151%        |
| 19        | 10.185      | 689           | 691         | 693          | rVV      | 91628          | 122500        | 2.98%           | 0.288%        |
| 20        | 10.231      | 693           | 695         | 697          | rVB3     | 31475          | 43441         | 1.06%           | 0.102%        |
| 21        | 10.402      | 707           | 710         | 712          | rBV      | 107856         | 200983        | 4.88%           | 0.472%        |
| 22        | 10.528      | 719           | 721         | 723          | rVB      | 119957         | 139392        | 3.39%           | 0.327%        |
| 23        | 10.631      | 726           | 730         | 733          | rVB2     | 52859          | 107613        | 2.61%           | 0.253%        |
| 24        | 10.676      | 733           | 734         | 736          | rBV      | 53496          | 48384         | 1.18%           | 0.114%        |
| 25        | 10.768      | 739           | 742         | 744          | rBV      | 2091147        | 2063534       | 50.14%          | 4.848%        |
| 26        | 10.882      | 750           | 752         | 756          | rVB      | 155637         | 205573        | 5.00%           | 0.483%        |
| 27        | 11.076      | 765           | 769         | 770          | rBV2     | 38881          | 61880         | 1.50%           | 0.145%        |
| 28        | 11.328      | 789           | 791         | 792          | rVV      | 96211          | 86826         | 2.11%           | 0.204%        |
| 29        | 11.362      | 792           | 794         | 797          | rVB      | 88979          | 104255        | 2.53%           | 0.245%        |
| 30        | 11.465      | 800           | 803         | 804          | rBV      | 1204266        | 1210574       | 29.41%          | 2.844%        |
| 31        | 11.488      | 804           | 805         | 807          | rVV      | 1272143        | 922649        | 22.42%          | 2.168%        |
| 32        | 11.534      | 807           | 809         | 811          | rVB      | 266662         | 280425        | 6.81%           | 0.659%        |
| 33        | 11.568      | 811           | 812         | 815          | rBV      | 41853          | 55804         | 1.36%           | 0.131%        |
| 34        | 11.694      | 819           | 823         | 827          | rBV      | 94674          | 152179        | 3.70%           | 0.358%        |

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

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-BF030316.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.751 | 827  | 828  | 830  | rBV2 | 32086   | 43624   | 1.06%  | 0.102% |
| 36 | 11.968 | 845  | 847  | 848  | rBV  | 90114   | 157917  | 3.84%  | 0.371% |
| 37 | 11.991 | 848  | 849  | 851  | rVV  | 356373  | 303272  | 7.37%  | 0.712% |
| 38 | 12.082 | 855  | 857  | 860  | rVV  | 138288  | 237253  | 5.76%  | 0.557% |
| 39 | 12.162 | 862  | 864  | 866  | rVB2 | 43095   | 44378   | 1.08%  | 0.104% |
| 40 | 12.265 | 870  | 873  | 877  | rVB2 | 48831   | 121080  | 2.94%  | 0.284% |
| 41 | 12.517 | 892  | 895  | 896  | rBV  | 54277   | 67500   | 1.64%  | 0.159% |
| 42 | 12.551 | 896  | 898  | 901  | rVV  | 45433   | 53841   | 1.31%  | 0.126% |
| 43 | 12.677 | 906  | 909  | 911  | rBV  | 1058505 | 925469  | 22.49% | 2.174% |
| 44 | 12.768 | 916  | 917  | 921  | rBV2 | 93174   | 180527  | 4.39%  | 0.424% |
| 45 | 12.905 | 925  | 929  | 931  | rBV  | 835472  | 896243  | 21.78% | 2.105% |
| 46 | 13.054 | 939  | 942  | 944  | rVB  | 2739906 | 2977479 | 72.35% | 6.995% |
| 47 | 13.122 | 944  | 948  | 952  | rBV3 | 39119   | 66653   | 1.62%  | 0.157% |
| 48 | 13.237 | 956  | 958  | 959  | rVV  | 86479   | 106046  | 2.58%  | 0.249% |
| 49 | 13.294 | 961  | 963  | 965  | rVV  | 77897   | 107675  | 2.62%  | 0.253% |
| 50 | 13.339 | 965  | 967  | 971  | rVB4 | 61813   | 98310   | 2.39%  | 0.231% |
| 51 | 13.945 | 1018 | 1020 | 1024 | rVB  | 430770  | 486087  | 11.81% | 1.142% |
| 52 | 14.105 | 1030 | 1034 | 1038 | rBV2 | 822146  | 1515006 | 36.81% | 3.559% |
| 53 | 14.208 | 1041 | 1043 | 1045 | rVB  | 69718   | 56453   | 1.37%  | 0.133% |
| 54 | 14.860 | 1098 | 1100 | 1103 | rBV  | 369207  | 373738  | 9.08%  | 0.878% |
| 55 | 15.145 | 1122 | 1125 | 1129 | rBV  | 250529  | 567084  | 13.78% | 1.332% |
| 56 | 15.443 | 1148 | 1151 | 1154 | rVV  | 174817  | 294148  | 7.15%  | 0.691% |
| 57 | 15.500 | 1154 | 1156 | 1159 | rVB  | 286722  | 346440  | 8.42%  | 0.814% |
| 58 | 15.568 | 1159 | 1162 | 1168 | rVB  | 559625  | 808787  | 19.65% | 1.900% |
| 59 | 17.020 | 1286 | 1289 | 1294 | rVB2 | 102138  | 222023  | 5.39%  | 0.522% |
| 60 | 17.328 | 1311 | 1316 | 1317 | rVB4 | 86853   | 208351  | 5.06%  | 0.489% |
| 61 | 17.454 | 1325 | 1327 | 1331 | rVB  | 81098   | 138889  | 3.37%  | 0.326% |
| 62 | 18.414 | 1407 | 1411 | 1416 | rVB5 | 231096  | 597912  | 14.53% | 1.405% |
| 63 | 18.574 | 1423 | 1425 | 1429 | rBV5 | 27231   | 51263   | 1.25%  | 0.120% |
| 64 | 18.666 | 1432 | 1433 | 1435 | rVB2 | 53896   | 56011   | 1.36%  | 0.132% |
| 65 | 19.306 | 1486 | 1489 | 1490 | rVV3 | 48376   | 61297   | 1.49%  | 0.144% |

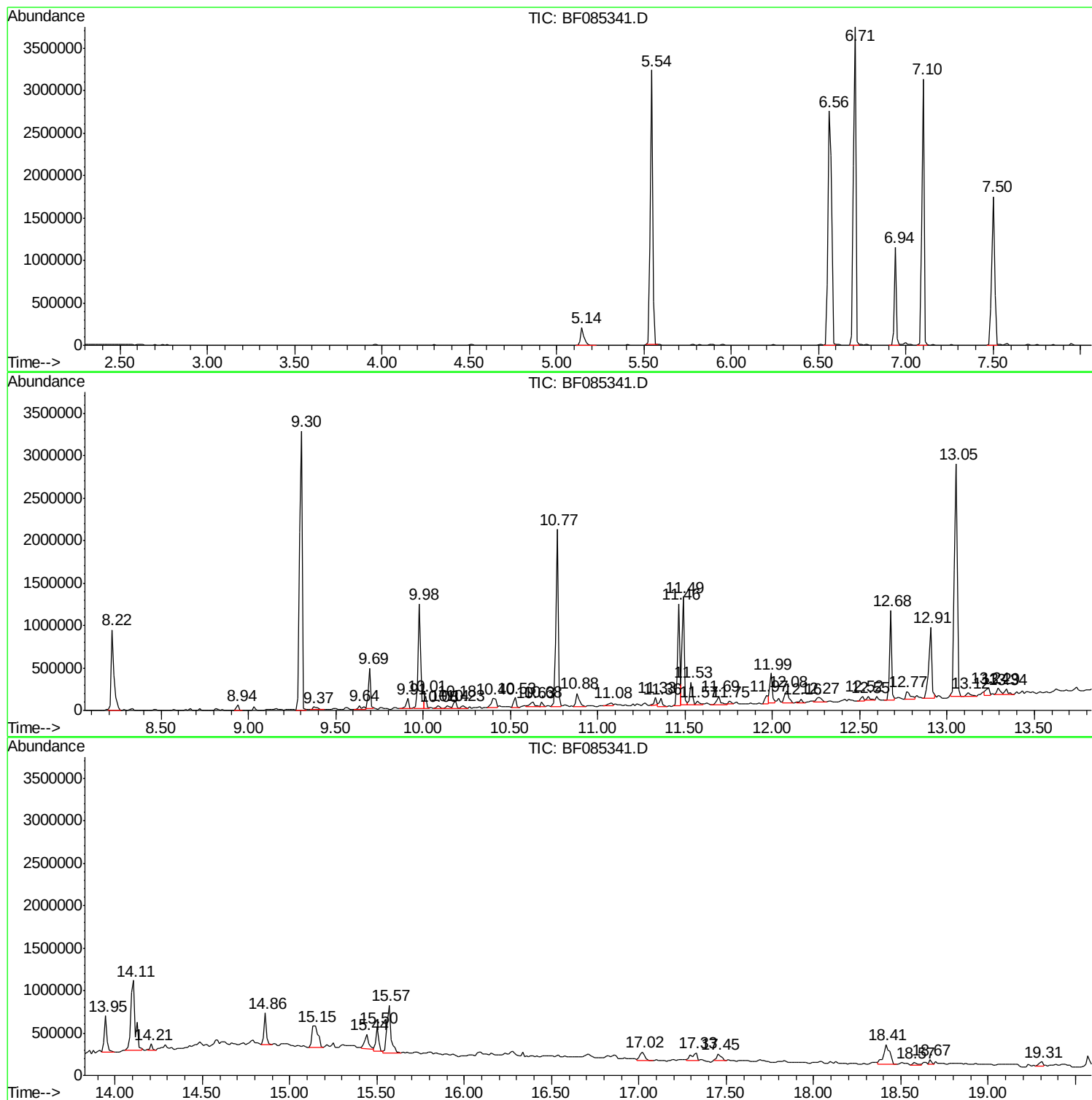
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.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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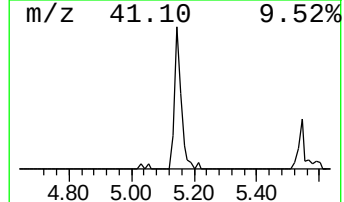
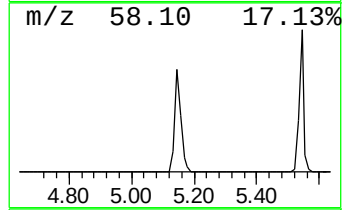
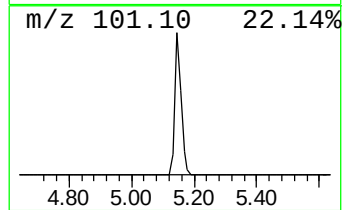
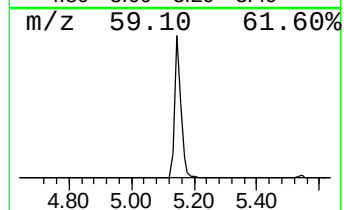
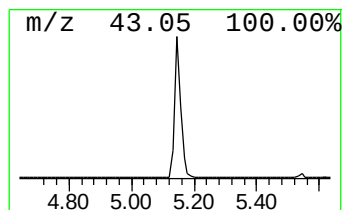
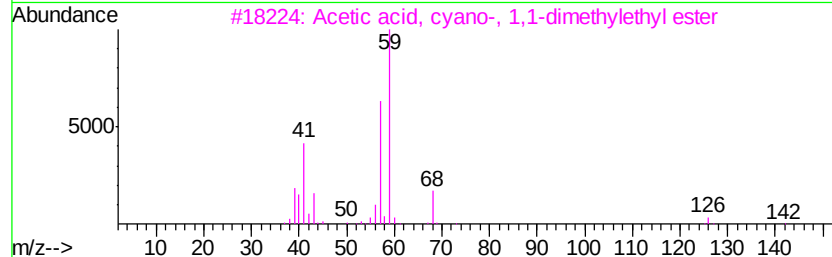
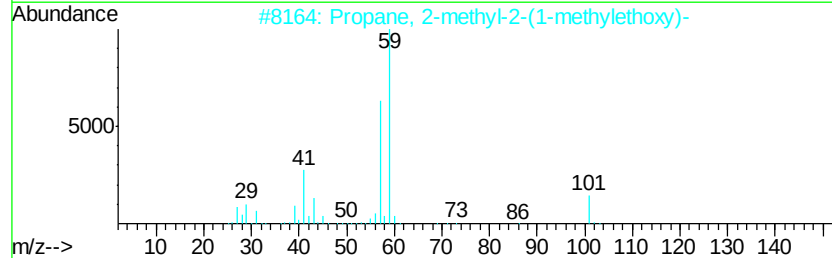
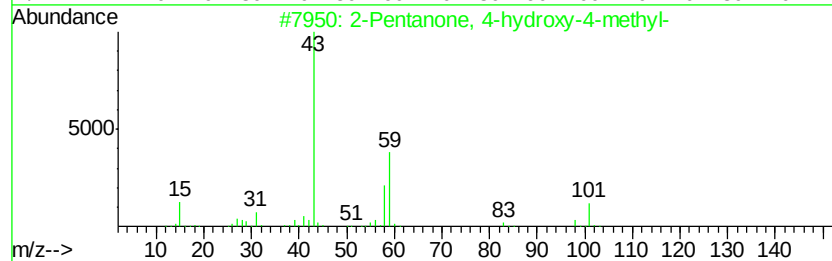
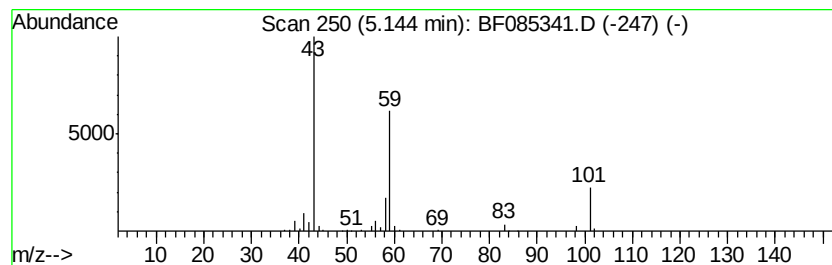
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.14 | 5.74 ng | 271581 | 1,4-Dichlorobenzene-d4 | 6.94 |

| 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-methyleth... | 116          | C7H16O   | 017348-59-3 | 42   |      |
| 3       | Acetic acid, cyano-, 1,1-dimethy... | 141          | C7H11NO2 | 001116-98-9 | 25   |      |
| 4       | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101          | C4H7NO2  | 016504-58-8 | 9    |      |
| 5       | 5-Hexen-2-one                       | 98           | C6H10O   | 000109-49-9 | 9    |      |



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TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

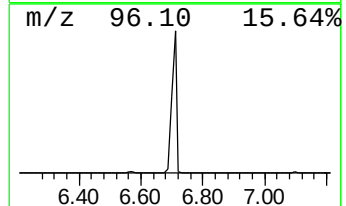
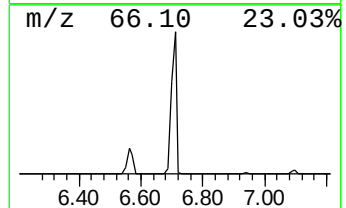
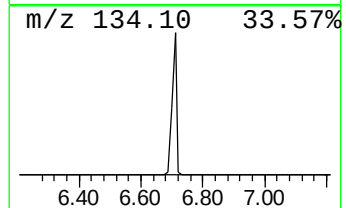
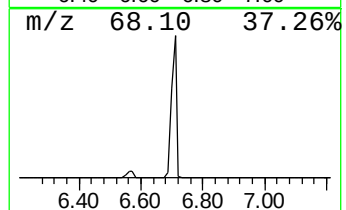
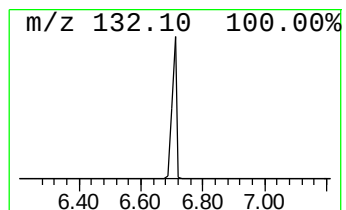
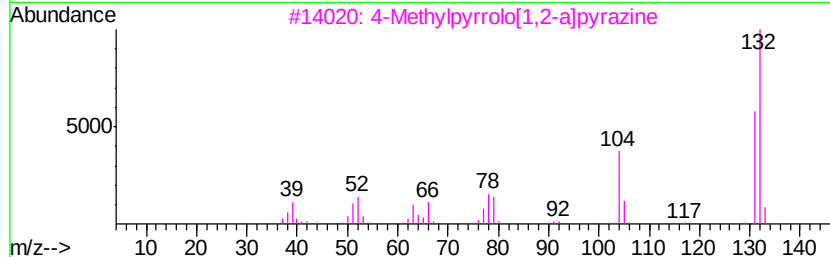
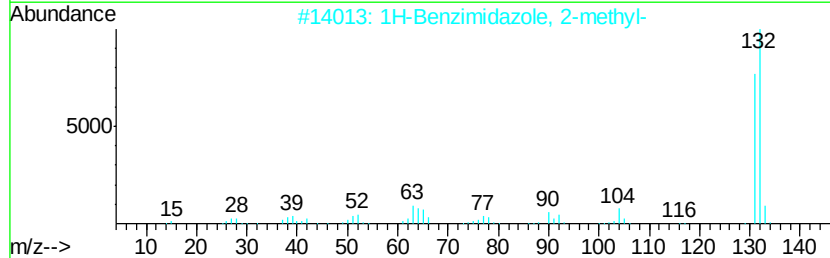
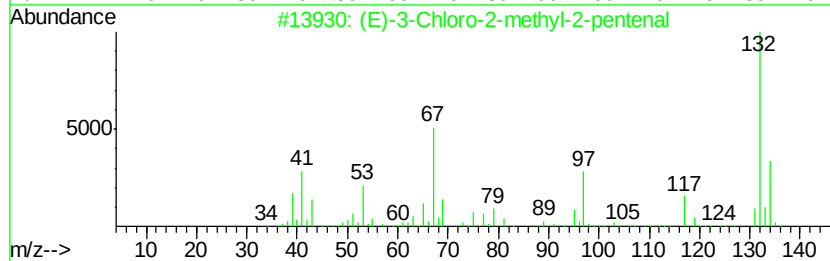
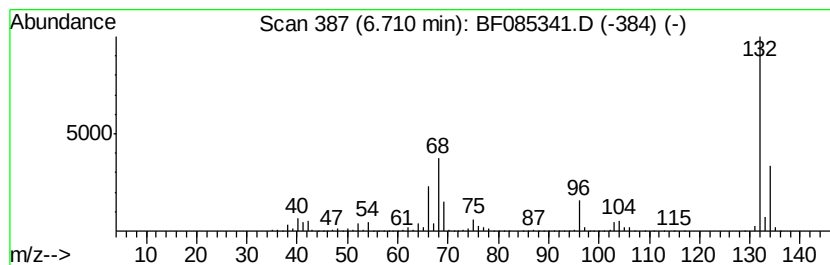
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.71 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.71 | 87.00 ng | 4115510 | 1,4-Dichlorobenzene-d4 | 6.94 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 10   |
| 3    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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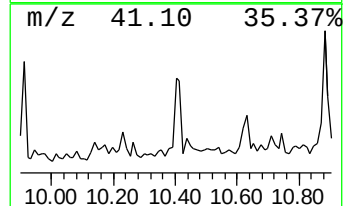
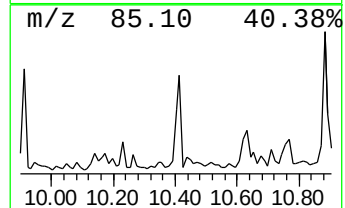
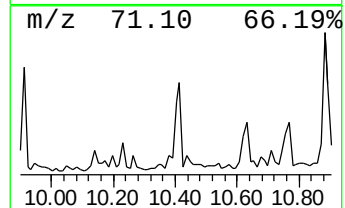
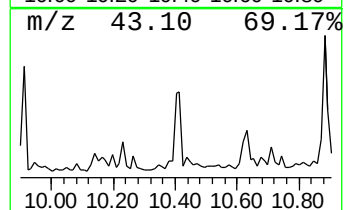
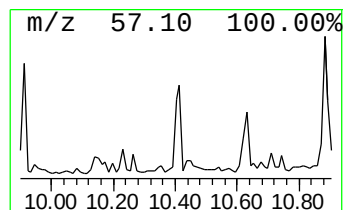
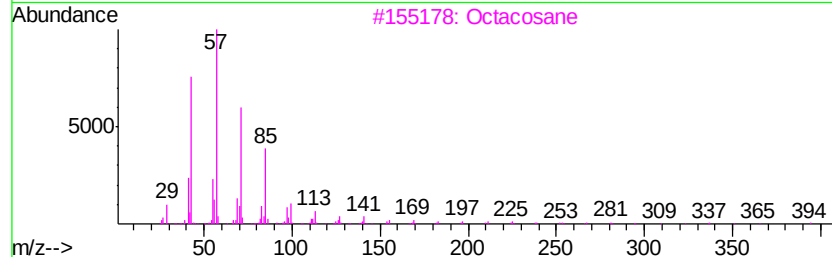
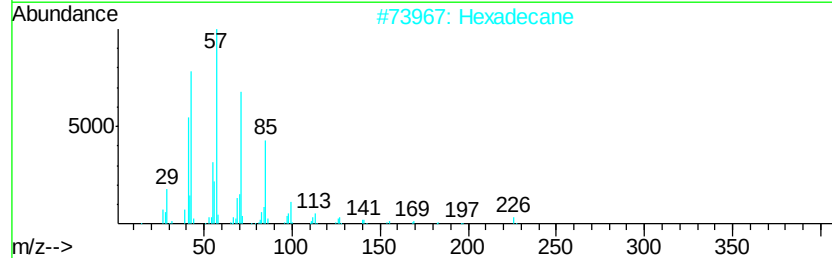
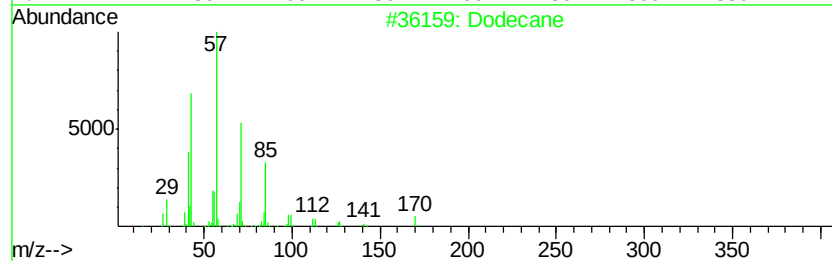
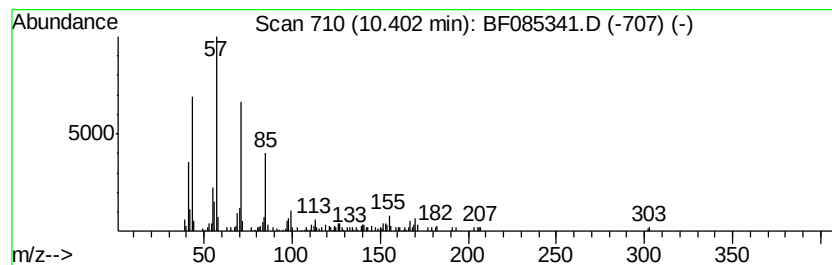
Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Dodecane Concentration Rank 11

| R.T.      | EstConc           | Area   | Relative to ISTD |             | R.T. |
|-----------|-------------------|--------|------------------|-------------|------|
| 10.40     | 3.54 ng           | 200983 | Acenaphthene-d10 |             | 9.98 |
| Hit# of 5 | Tentative ID      | MW     | MolForm          | CAS#        | Qual |
| 1         | Dodecane          | 170    | C12H26           | 000112-40-3 | 91   |
| 2         | Hexadecane        | 226    | C16H34           | 000544-76-3 | 87   |
| 3         | Octacosane        | 394    | C28H58           | 000630-02-4 | 83   |
| 4         | Heptadecane       | 240    | C17H36           | 000629-78-7 | 80   |
| 5         | Dodecane, 1-iodo- | 296    | C12H25I          | 004292-19-7 | 80   |



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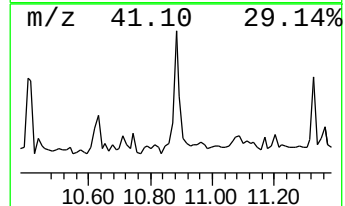
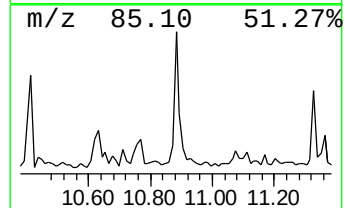
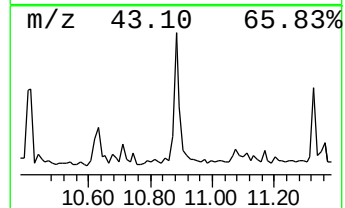
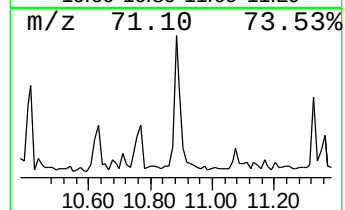
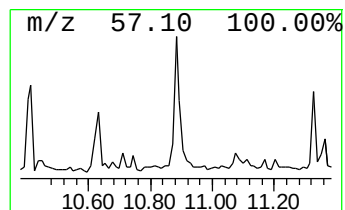
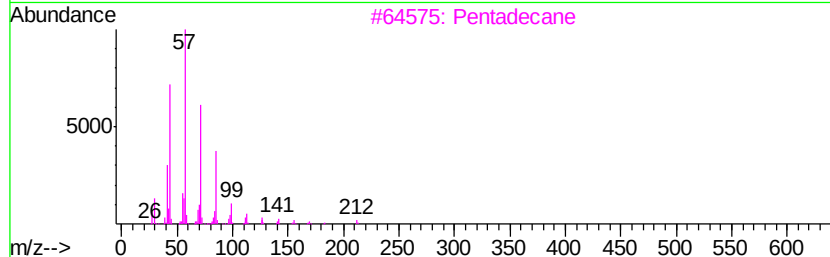
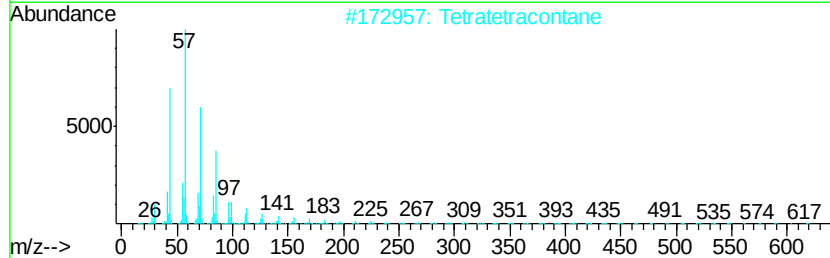
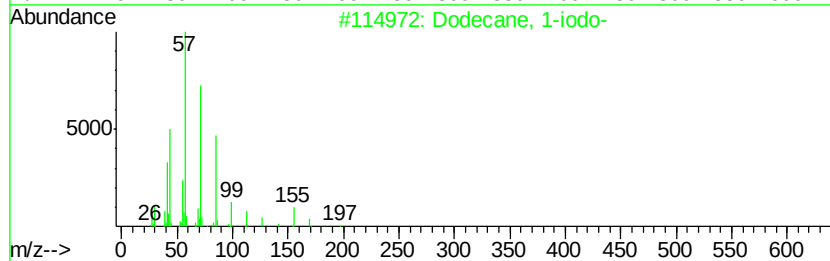
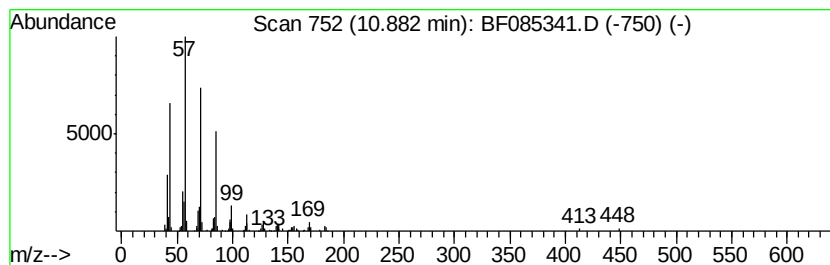
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 1-iodo- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.88 | 3.40 ng | 205573 | Phenanthrene-d10 | 11.47 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Dodecane, 1-iodo- |              | 296 | C12H25I | 004292-19-7 | 90   |
| 2       | Tetratetracontane |              | 619 | C44H90  | 007098-22-8 | 90   |
| 3       | Pentadecane       |              | 212 | C15H32  | 000629-62-9 | 87   |
| 4       | Nonadecane        |              | 268 | C19H40  | 000629-92-5 | 87   |
| 5       | Eicosane          |              | 282 | C20H42  | 000112-95-8 | 87   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

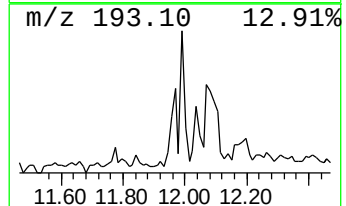
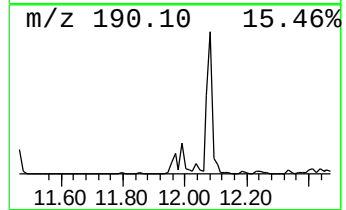
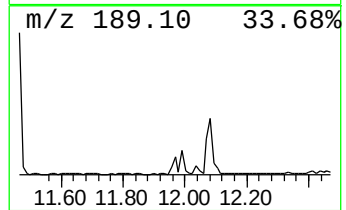
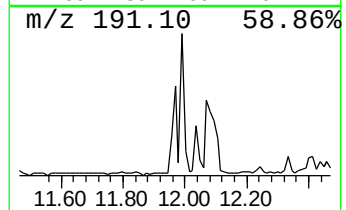
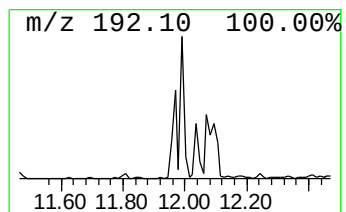
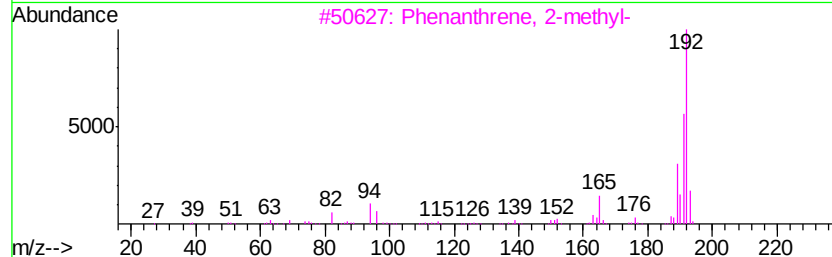
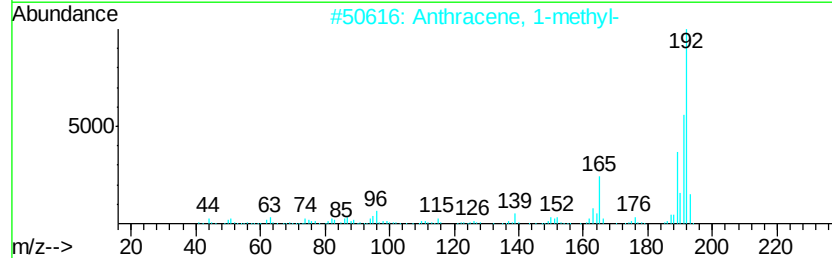
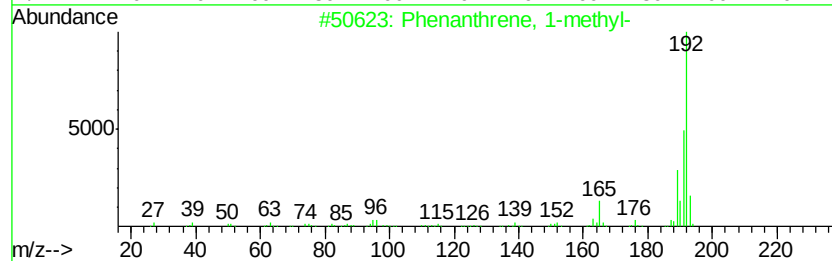
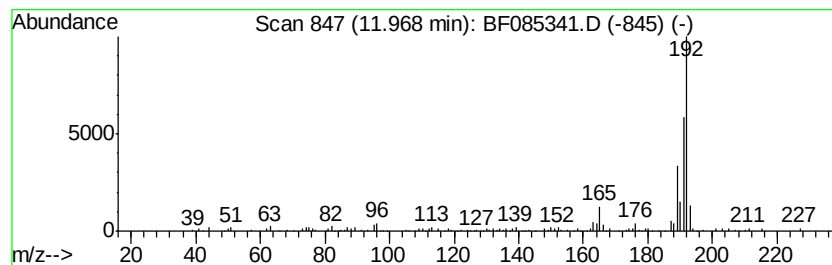
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.97 | 2.61 ng | 157917 | Phenanthrene-d10 | 11.47 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 94   |
| 2    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 93   |
| 3    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 4    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 5    |    | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 91   |





Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

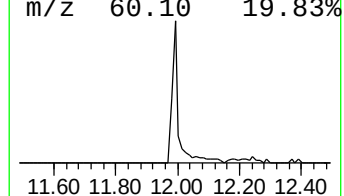
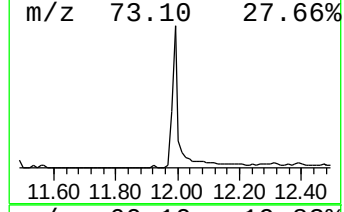
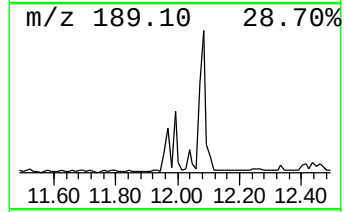
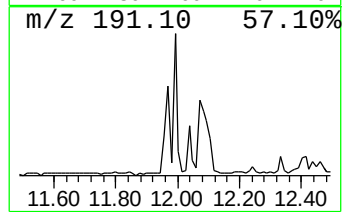
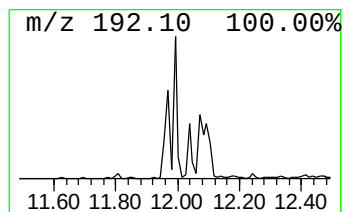
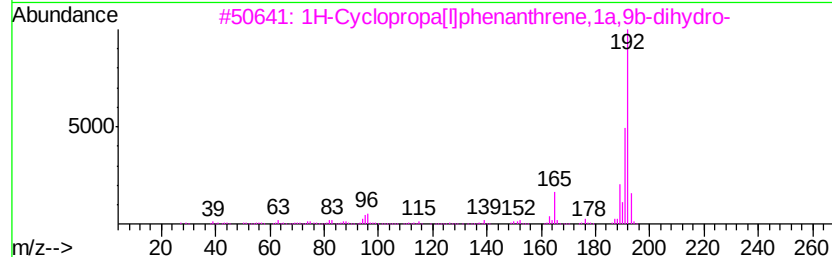
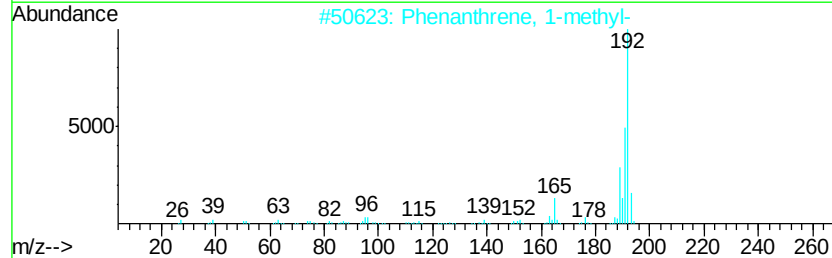
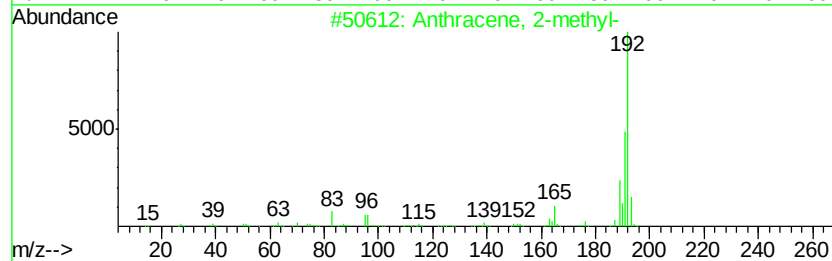
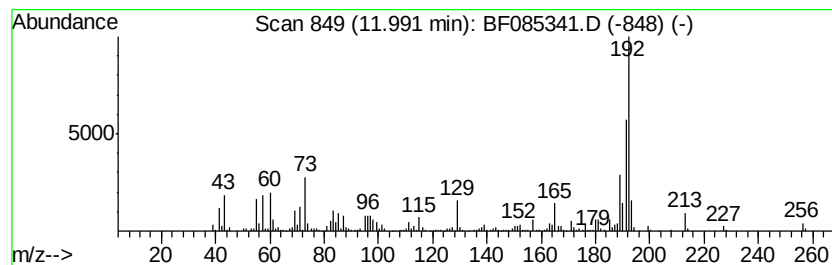
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Anthracene, 2-methyl- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.99 | 5.01 ng | 303272 | Phenanthrene-d10 | 11.47 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl-               | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | 1H-Cyclopropa[l]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 96   |
| 5    |    |   | Anthracene, 1-methyl-                 | 192 | C15H12  | 000610-48-0 | 91   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

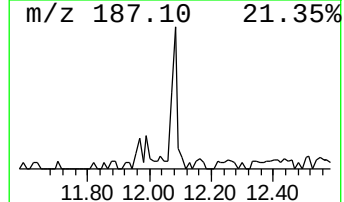
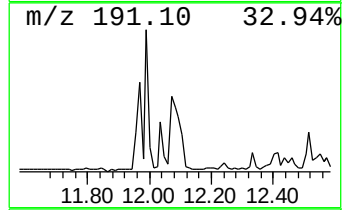
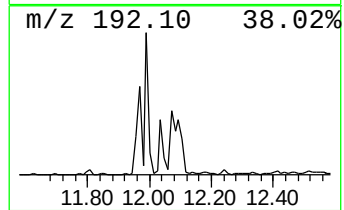
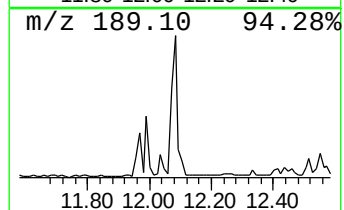
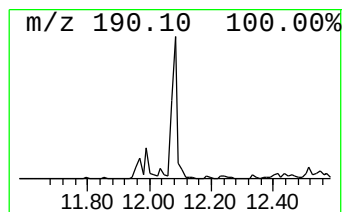
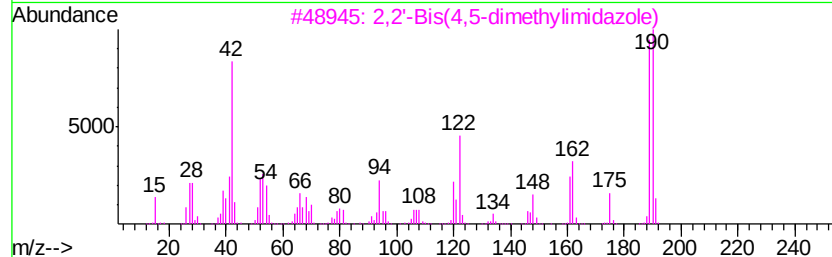
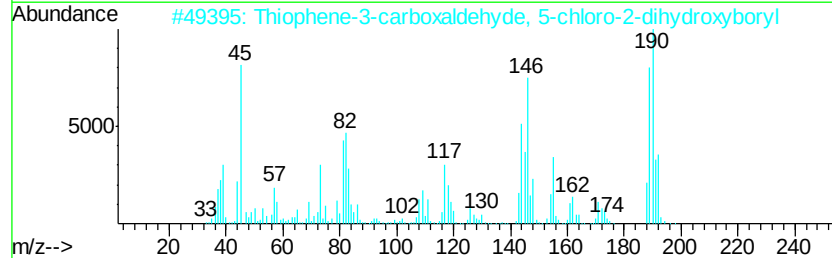
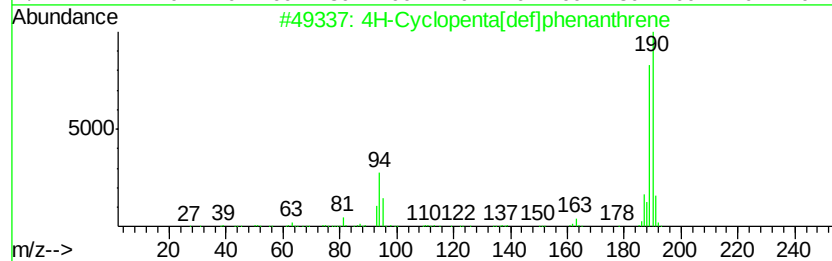
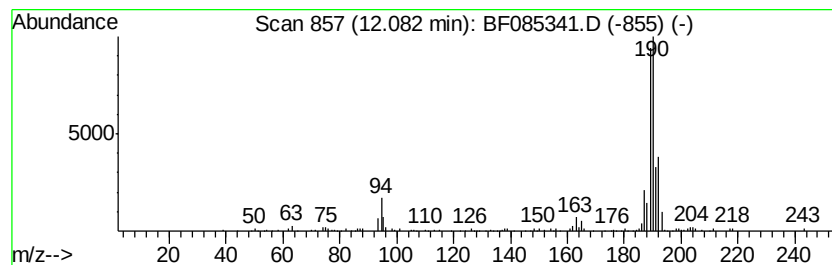
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.08 | 3.92 ng | 237253 | Phenanthrene-d10 | 11.47 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 87   |
| 2    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50   |
| 3    |    |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4   | 069286-06-2 | 42   |
| 4    |    |   | Phenol, 4-(2-thienylmethyl)-        | 190 | C11H10OS   | 091680-55-6 | 40   |
| 5    |    |   | 8H-Imidazo[4,5-E]-2,1,3-benzothi... | 190 | C8H6N4S    | 129485-68-3 | 27   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

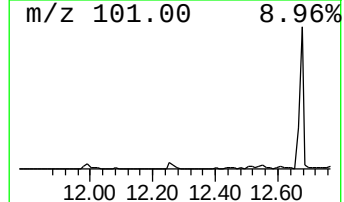
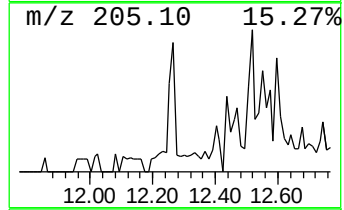
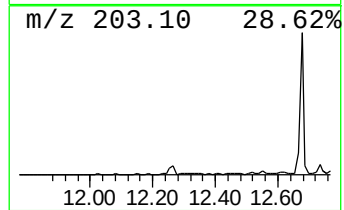
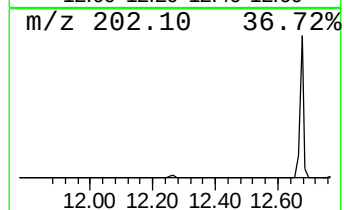
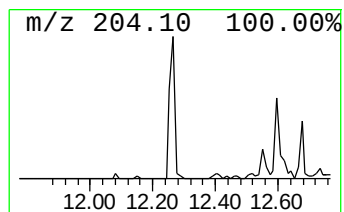
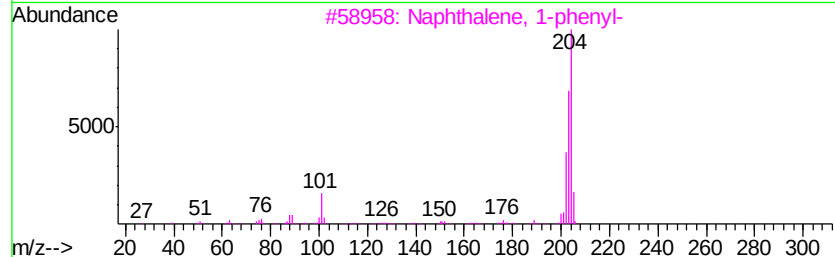
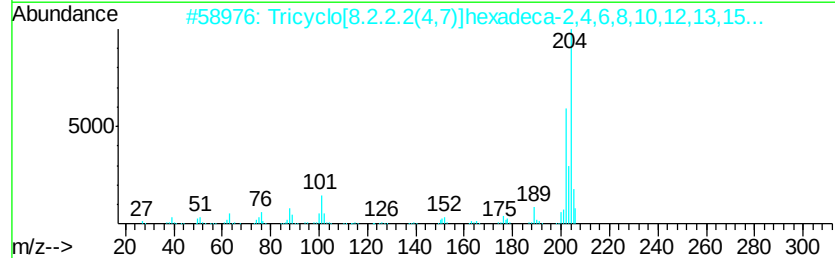
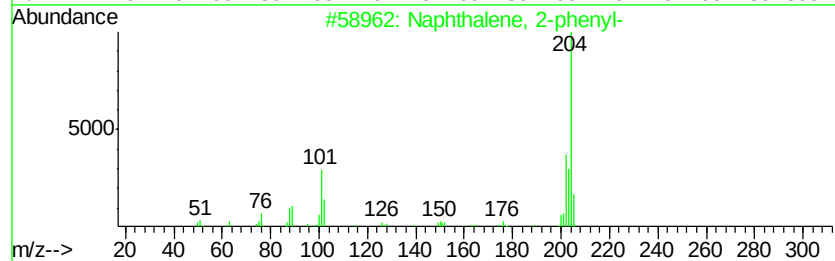
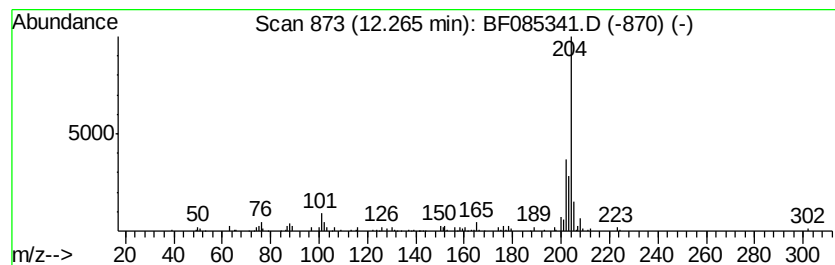
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.27 | 2.00 ng | 121080 | Phenanthrene-d10 | 11.47 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 2-phenyl-              | 204 | C16H12   | 000612-94-2 | 76   |
| 2    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12   | 006572-60-7 | 76   |
| 3    |    | Naphthalene, 1-phenyl-              | 204 | C16H12   | 000605-02-7 | 58   |
| 4    |    | [1,1'-Biphenyl]-2-ol, 5-chloro-     | 204 | C12H9ClO | 000607-12-5 | 53   |
| 5    |    | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 52   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

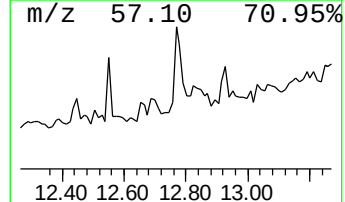
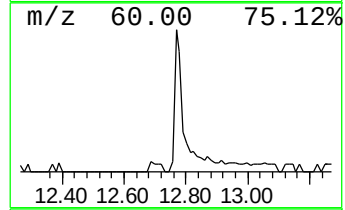
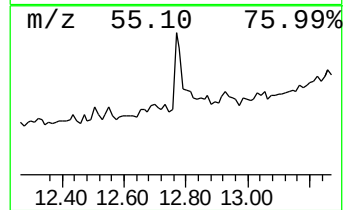
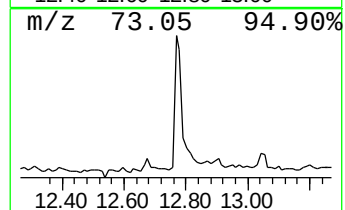
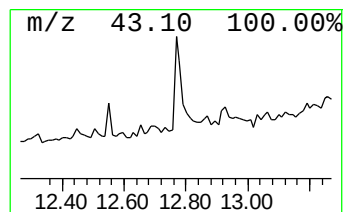
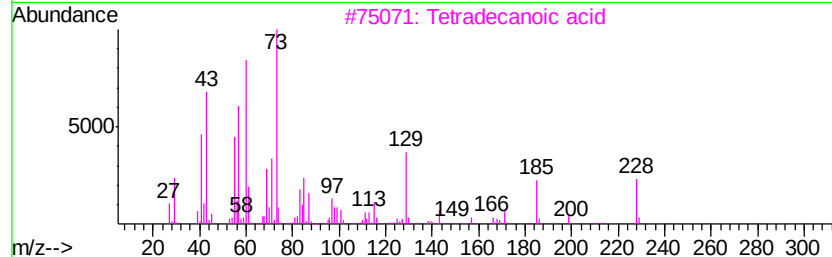
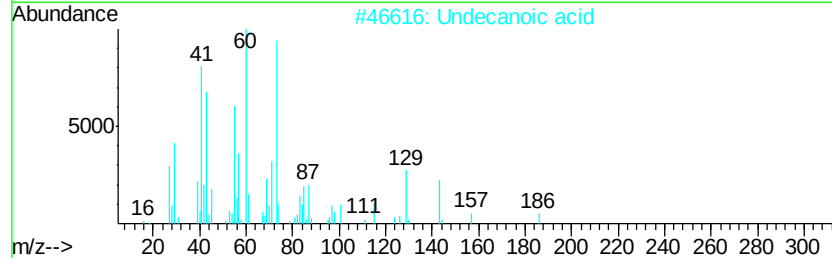
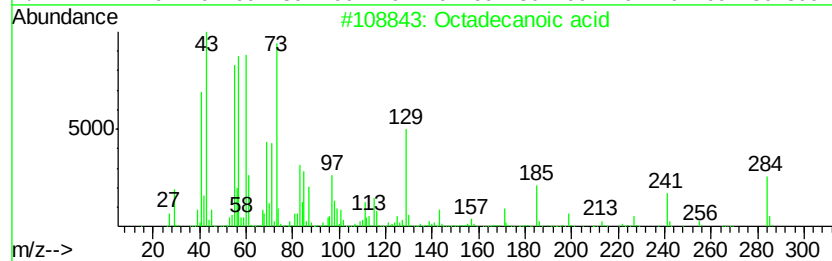
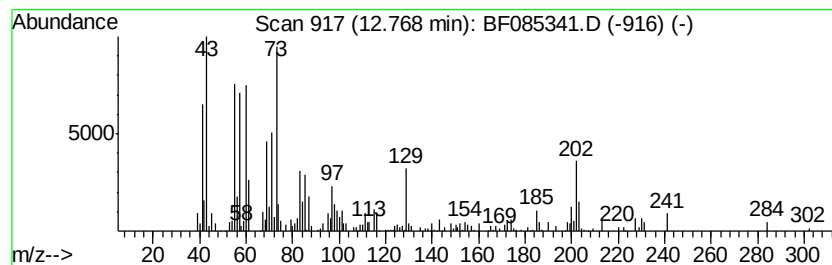
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octadecanoic acid Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.77 | 2.98 ng | 180527 | Phenanthrene-d10 | 11.47 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Undecanoic acid    | 186 | C11H22O2 | 000112-37-8 | 50   |
| 3    |    | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 50   |
| 4    |    | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 43   |
| 5    |    | d-Lyxose           | 150 | C5H10O5  | 001114-34-7 | 38   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

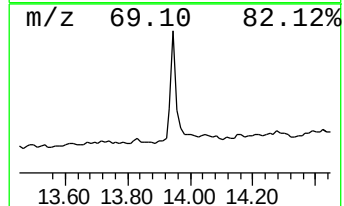
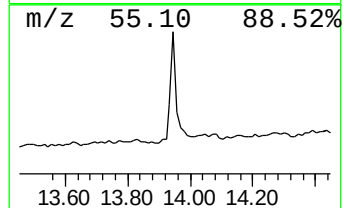
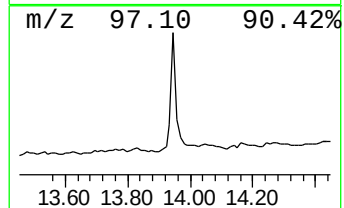
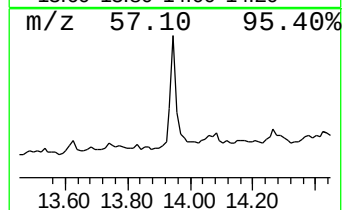
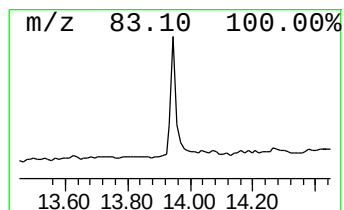
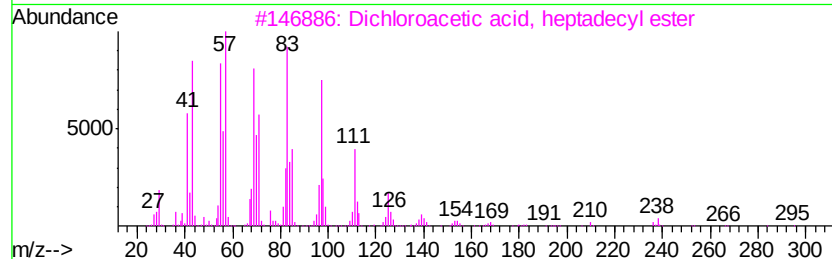
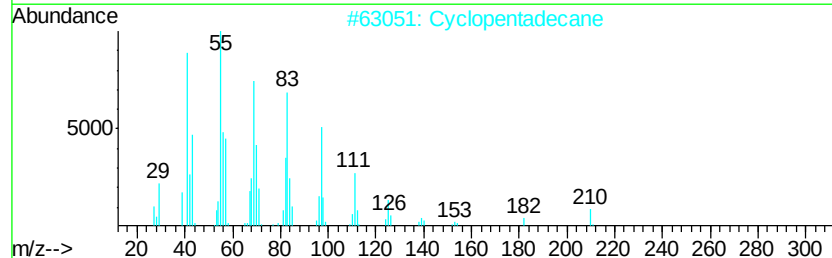
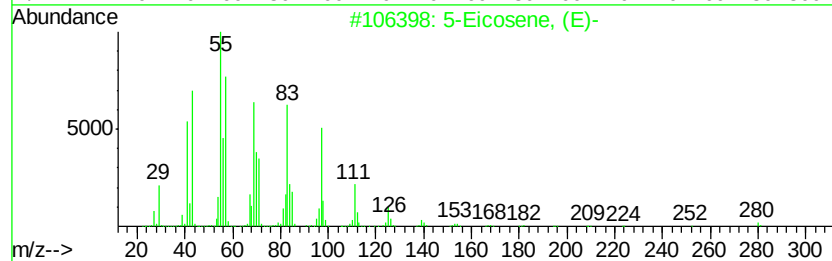
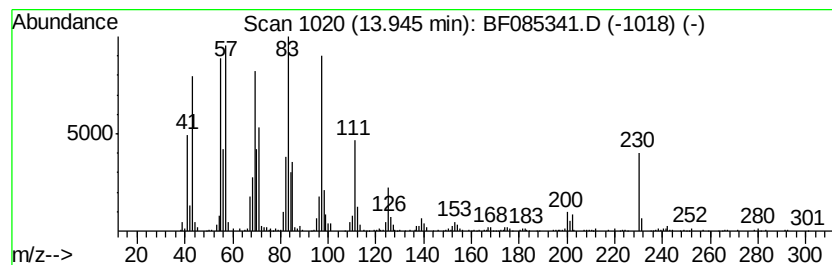
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BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 5-Eicosene, (E)- Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.95     | 6.42 ng                             | 486087 | Chrysene-d12     | 14.11        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 5-Eicosene, (E)-                    | 280    | C20H40           | 074685-30-6  | 97   |
| 2         | Cyclopentadecane                    | 210    | C15H30           | 000295-48-7  | 93   |
| 3         | Dichloroacetic acid, heptadecyl ... | 366    | C19H36Cl2O2      | 1000282-98-2 | 91   |
| 4         | Heptafluorobutyric acid, n-octad... | 466    | C22H37F7O2       | 000400-57-7  | 90   |
| 5         | 2- Chloropropionic acid, octadec... | 360    | C21H41ClO2       | 088104-31-8  | 90   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

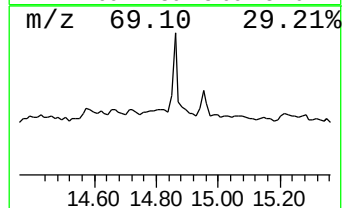
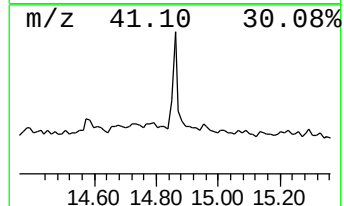
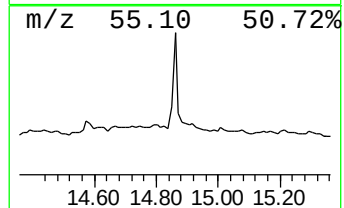
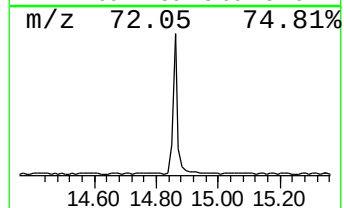
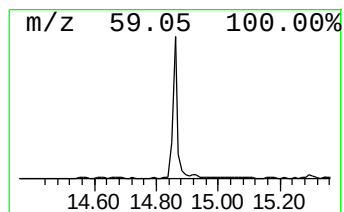
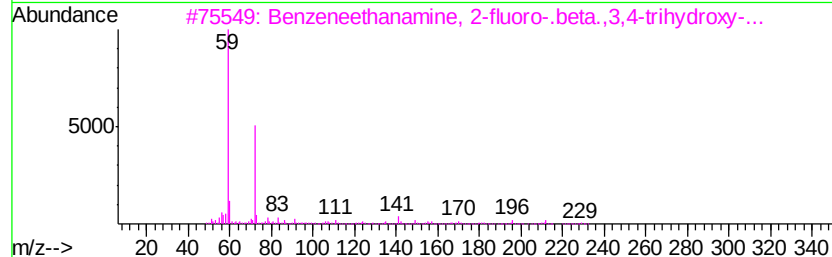
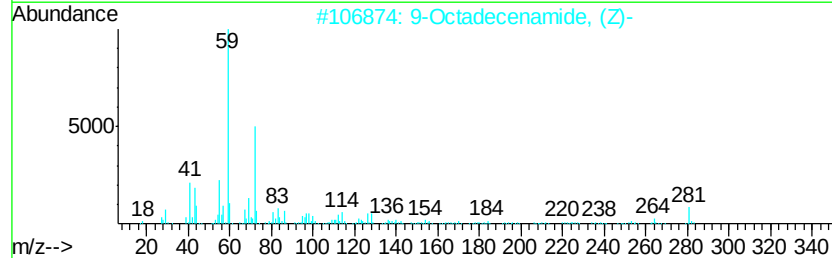
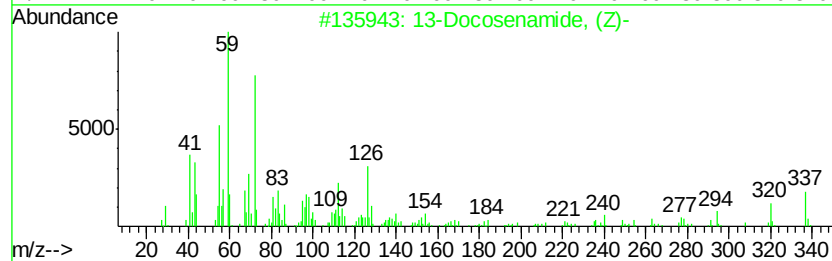
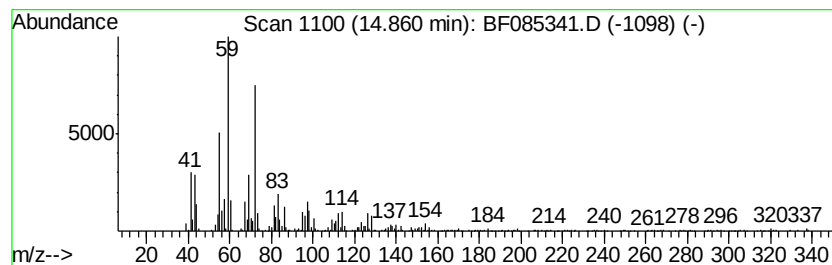
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 13-Docosenamide, (Z)- Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.86 | 9.24 ng | 373738 | Perylene-d12     | 15.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 13-Docosenamide, (Z)-               | 337 | C22H43NO   | 000112-84-5 | 87   |
| 2    |    | 9-Octadecenamide, (Z)-              | 281 | C18H35NO   | 000301-02-0 | 83   |
| 3    |    | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FN03 | 061338-98-5 | 47   |
| 4    |    | Dodecanamide                        | 199 | C12H25NO   | 001120-16-7 | 43   |
| 5    |    | Pentanamide, 4-methyl-              | 115 | C6H13NO    | 001119-29-5 | 38   |



Data Path : S:\HPCHEM1\BNA\_F\DATA\BF031016\  
Data File : BF085341.D  
Acq On : 10 Mar 2016 19:01  
Operator : UM/SJ  
Sample : H1753-20  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TEC-COMP2

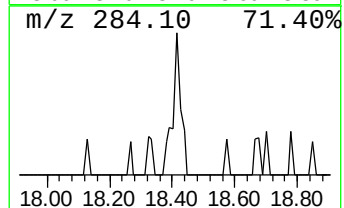
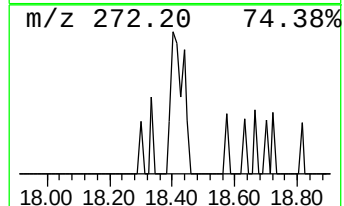
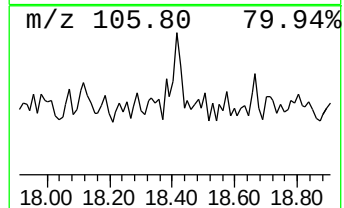
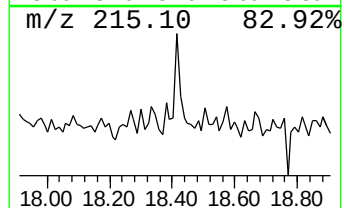
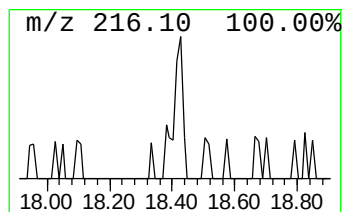
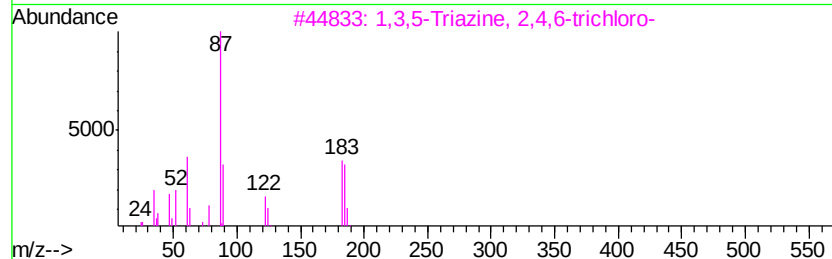
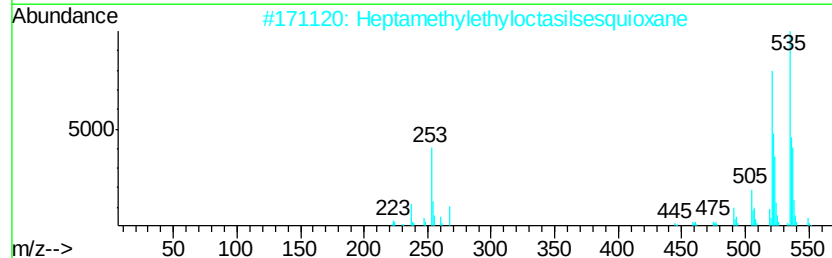
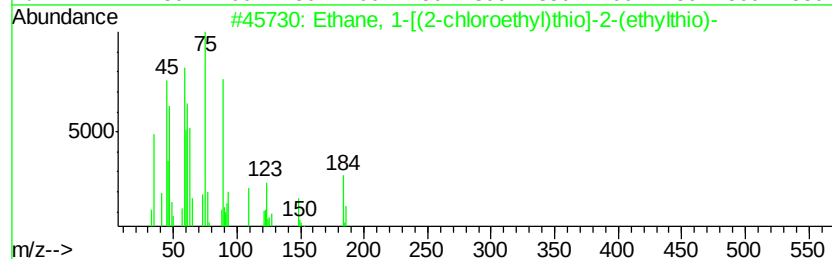
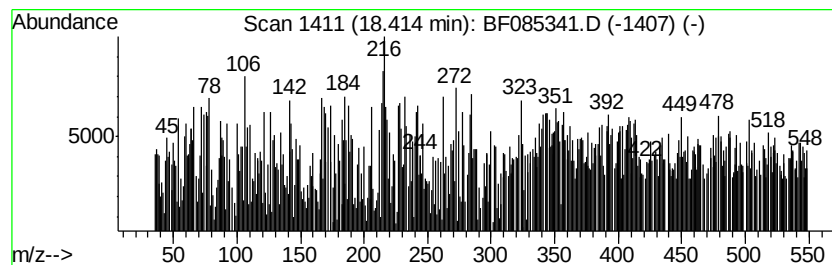
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 unknown18.41 Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.41 | 14.79 ng | 597912 | Perylene-d12     | 15.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm          | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------------|--------------|------|
| 1    | 5  | Ethane, 1-[(2-chloroethyl)thio]-... | 184 | C6H13ClS2        | 092569-22-7  | 25   |
| 2    |    | Heptamethylethyloctasilsesquioxane  | 550 | C9H26O12Si8      | 077626-17-6  | 10   |
| 3    |    | 1,3,5-Triazine, 2,4,6-trichloro-    | 183 | C3Cl3N3          | 000108-77-0  | 10   |
| 4    |    | Carbonyl-.pi.-cyclopentadienyl-t... | 608 | C12H23Cl3GeO2P2W | 1000287-97-4 | 10   |
| 5    |    | Carboxymethyl-dimethylsulfoniumb... | 200 | C4H9BrO2S        | 1000164-33-6 | 10   |



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 Operator : UM/SJ  
 Sample : H1753-20  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.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... | 5.14  | 5.7     | ng    | 271581   | 1                     | 6.94  | 946145  | 20.0 |
| unknown6.71          | 6.71  | 87.0    | ng    | 4115510  | 1                     | 6.94  | 946145  | 20.0 |
| Dodecane             | 10.40 | 3.5     | ng    | 200983   | 3                     | 9.98  | 1136310 | 20.0 |
| Dodecane, 1-iodo-    | 10.88 | 3.4     | ng    | 205573   | 4                     | 11.47 | 1210570 | 20.0 |
| Phenanthrene, 1-m... | 11.97 | 2.6     | ng    | 157917   | 4                     | 11.47 | 1210570 | 20.0 |
| Anthracene, 2-met... | 11.99 | 5.0     | ng    | 303272   | 4                     | 11.47 | 1210570 | 20.0 |
| 4H-Cyclopenta[def... | 12.08 | 3.9     | ng    | 237253   | 4                     | 11.47 | 1210570 | 20.0 |
| Naphthalene, 2-ph... | 12.27 | 2.0     | ng    | 121080   | 4                     | 11.47 | 1210570 | 20.0 |
| Octadecanoic acid    | 12.77 | 3.0     | ng    | 180527   | 4                     | 11.47 | 1210570 | 20.0 |
| 5-Eicosene, (E)-     | 13.95 | 6.4     | ng    | 486087   | 5                     | 14.11 | 1515010 | 20.0 |
| 13-Docosenamide, ... | 14.86 | 9.2     | ng    | 373738   | 6                     | 15.57 | 808787  | 20.0 |
| unknown18.41         | 18.41 | 14.8    | ng    | 597912   | 6                     | 15.57 | 808787  | 20.0 |