

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
 Data File : BF086441.D  
 Acq On : 27 Apr 2016 23:28  
 Operator : UM/SJ  
 Sample : H2730-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-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-BF042716.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.721       | 139           | 143         | 149          | rBV      | 210730         | 380670        | 9.47%           | 1.060%        |
| 2         | 5.001       | 252           | 255         | 260          | rBV      | 62005          | 105039        | 2.61%           | 0.292%        |
| 3         | 5.401       | 287           | 290         | 293          | rBV      | 2796057        | 3497956       | 87.00%          | 9.738%        |
| 4         | 5.870       | 327           | 331         | 345          | rVB6     | 8451           | 45738         | 1.14%           | 0.127%        |
| 5         | 6.453       | 378           | 382         | 384          | rBV      | 2668307        | 4020527       | 100.00%         | 11.193%       |
| 6         | 6.579       | 390           | 393         | 395          | rBV      | 3655434        | 3801699       | 94.56%          | 10.584%       |
| 7         | 6.807       | 411           | 413         | 415          | rBV      | 893223         | 793852        | 19.74%          | 2.210%        |
| 8         | 6.967       | 424           | 427         | 429          | rBV      | 2555247        | 2840929       | 70.66%          | 7.909%        |
| 9         | 7.367       | 460           | 462         | 465          | rBV      | 1549282        | 2084781       | 51.85%          | 5.804%        |
| 10        | 8.087       | 523           | 525         | 528          | rBV      | 756255         | 902239        | 22.44%          | 2.512%        |
| 11        | 8.522       | 561           | 563         | 568          | rBV2     | 100437         | 123468        | 3.07%           | 0.344%        |
| 12        | 9.116       | 614           | 615         | 617          | rVB      | 107933         | 118546        | 2.95%           | 0.330%        |
| 13        | 9.173       | 617           | 620         | 622          | rBV      | 3173571        | 3146556       | 78.26%          | 8.760%        |
| 14        | 9.253       | 625           | 627         | 629          | rVV      | 78046          | 116444        | 2.90%           | 0.324%        |
| 15        | 9.299       | 629           | 631         | 636          | rVB3     | 34607          | 92124         | 2.29%           | 0.256%        |
| 16        | 9.562       | 652           | 654         | 657          | rBV2     | 385378         | 438566        | 10.91%          | 1.221%        |
| 17        | 9.779       | 672           | 673         | 676          | rBV      | 65413          | 83400         | 2.07%           | 0.232%        |
| 18        | 9.848       | 676           | 679         | 681          | rBV      | 795048         | 810336        | 20.15%          | 2.256%        |
| 19        | 10.019      | 691           | 694         | 695          | rBV      | 23655          | 40614         | 1.01%           | 0.113%        |
| 20        | 10.110      | 700           | 702         | 703          | rVB      | 38908          | 40829         | 1.02%           | 0.114%        |
| 21        | 10.282      | 715           | 717         | 719          | rVB      | 130661         | 94167         | 2.34%           | 0.262%        |
| 22        | 10.499      | 733           | 736         | 739          | rBV      | 88259          | 126996        | 3.16%           | 0.354%        |
| 23        | 10.636      | 745           | 748         | 750          | rBV      | 1300943        | 1634713       | 40.66%          | 4.551%        |
| 24        | 10.762      | 755           | 759         | 763          | rVV2     | 160963         | 365658        | 9.09%           | 1.018%        |
| 25        | 10.968      | 774           | 777         | 782          | rBV4     | 27738          | 85807         | 2.13%           | 0.239%        |
| 26        | 11.208      | 796           | 798         | 799          | rBV      | 37366          | 51363         | 1.28%           | 0.143%        |
| 27        | 11.231      | 799           | 800         | 803          | rVB      | 62626          | 62557         | 1.56%           | 0.174%        |
| 28        | 11.322      | 806           | 808         | 812          | rBV      | 506855         | 640142        | 15.92%          | 1.782%        |
| 29        | 11.916      | 857           | 860         | 866          | rVB6     | 27601          | 67068         | 1.67%           | 0.187%        |
| 30        | 12.008      | 866           | 868         | 869          | rBV      | 28776          | 45161         | 1.12%           | 0.126%        |
| 31        | 12.396      | 899           | 902         | 903          | rBV3     | 22874          | 47382         | 1.18%           | 0.132%        |
| 32        | 12.419      | 903           | 904         | 906          | rVB      | 54923          | 56053         | 1.39%           | 0.156%        |
| 33        | 12.762      | 930           | 934         | 935          | rBV2     | 41738          | 71829         | 1.79%           | 0.200%        |
| 34        | 12.796      | 935           | 937         | 938          | rVV      | 102896         | 96990         | 2.41%           | 0.270%        |

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ALS Vial : 17 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
STOCKPILE-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-BF042716.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.911 | 945  | 947  | 950  | rBV  | 2256711 | 2299574 | 57.20% | 6.402% |
| 36 | 13.151 | 966  | 968  | 970  | rVB  | 175898  | 151158  | 3.76%  | 0.421% |
| 37 | 13.311 | 981  | 982  | 987  | rVB2 | 93139   | 91458   | 2.27%  | 0.255% |
| 38 | 13.494 | 995  | 998  | 1000 | rBV  | 226055  | 257810  | 6.41%  | 0.718% |
| 39 | 13.608 | 1006 | 1008 | 1009 | rBV  | 84930   | 94189   | 2.34%  | 0.262% |
| 40 | 13.814 | 1024 | 1026 | 1033 | rVB  | 750762  | 974567  | 24.24% | 2.713% |
| 41 | 13.962 | 1036 | 1039 | 1041 | rBV  | 664118  | 854950  | 21.26% | 2.380% |
| 42 | 14.065 | 1046 | 1048 | 1050 | rVV  | 141044  | 217888  | 5.42%  | 0.607% |
| 43 | 14.134 | 1053 | 1054 | 1059 | rVB  | 259369  | 325438  | 8.09%  | 0.906% |
| 44 | 14.259 | 1063 | 1065 | 1066 | rBV  | 72009   | 98150   | 2.44%  | 0.273% |
| 45 | 14.442 | 1079 | 1081 | 1086 | rVB  | 277131  | 484984  | 12.06% | 1.350% |
| 46 | 14.739 | 1105 | 1107 | 1108 | rVB  | 108966  | 105338  | 2.62%  | 0.293% |
| 47 | 14.877 | 1117 | 1119 | 1121 | rBV  | 117631  | 214992  | 5.35%  | 0.599% |
| 48 | 15.060 | 1133 | 1135 | 1136 | rBV  | 117468  | 169181  | 4.21%  | 0.471% |
| 49 | 15.368 | 1160 | 1162 | 1164 | rBV  | 447820  | 653487  | 16.25% | 1.819% |
| 50 | 15.597 | 1180 | 1182 | 1190 | rVB  | 380328  | 920587  | 22.90% | 2.563% |
| 51 | 17.814 | 1372 | 1376 | 1381 | rBV4 | 177946  | 624955  | 15.54% | 1.740% |
| 52 | 18.226 | 1409 | 1412 | 1417 | rVB2 | 185747  | 450329  | 11.20% | 1.254% |

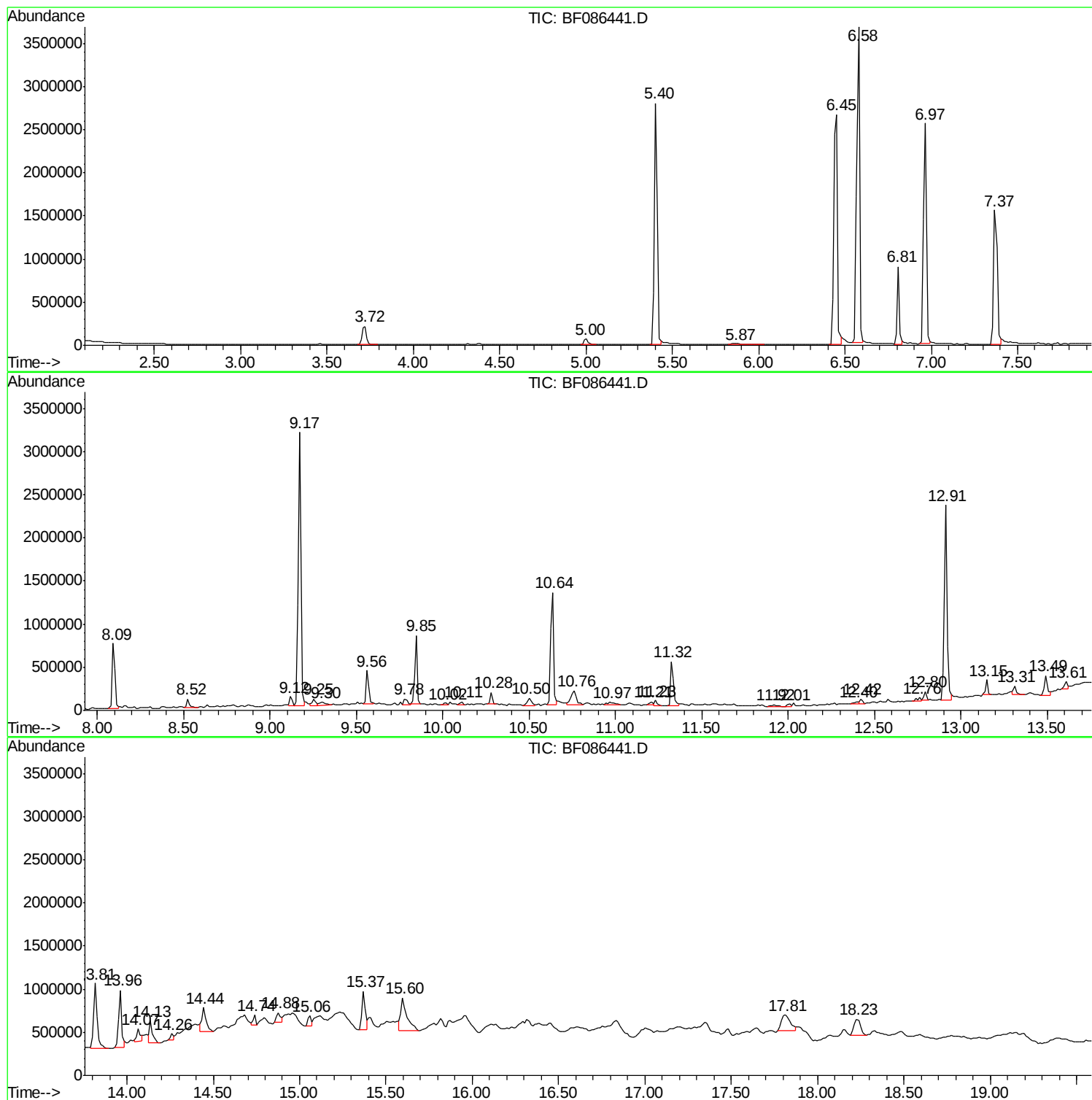
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ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.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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Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

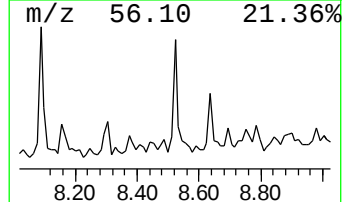
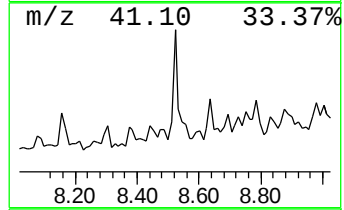
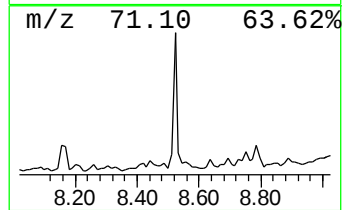
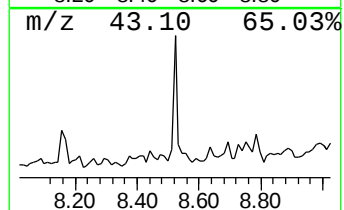
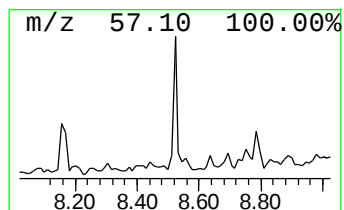
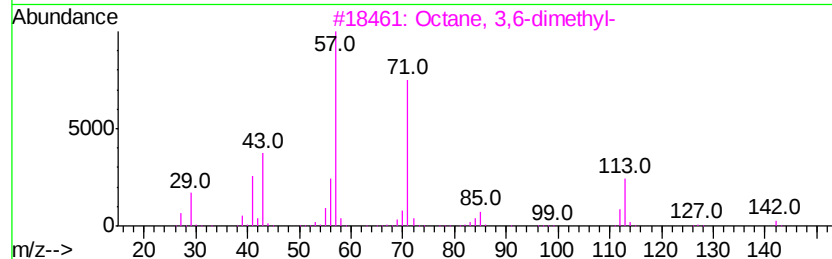
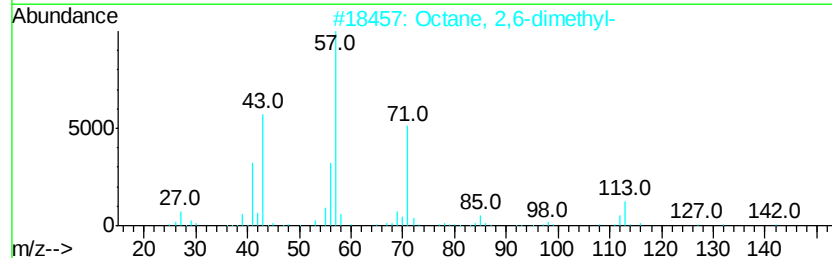
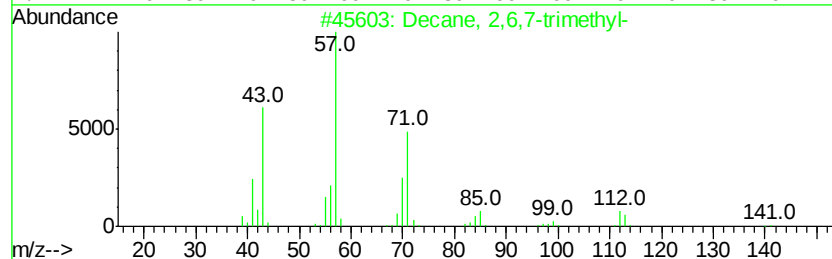
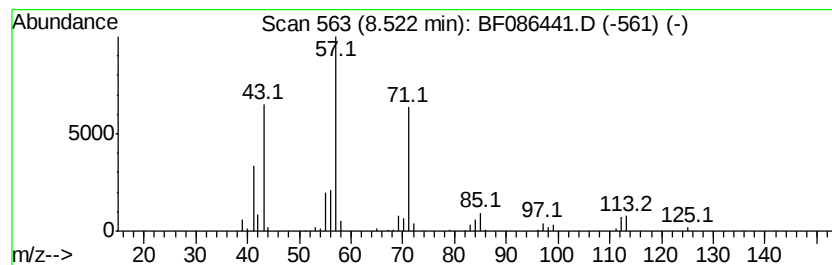
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Decane, 2,6,7-trimethyl- Concentration Rank 20

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.52 | 2.74 ng | 123468 | Naphthalene-d8   | 8.09 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2,6,7-trimethyl- | 184 | C13H28  | 062108-25-2 | 90   |
| 2    |    | Octane, 2,6-dimethyl-    | 142 | C10H22  | 002051-30-1 | 78   |
| 3    |    | Octane, 3,6-dimethyl-    | 142 | C10H22  | 015869-94-0 | 78   |
| 4    |    | Nonane, 3-methyl-        | 142 | C10H22  | 005911-04-6 | 64   |
| 5    |    | Octane, 3,5-dimethyl-    | 142 | C10H22  | 015869-93-9 | 59   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

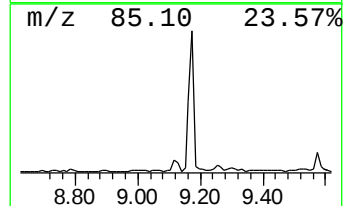
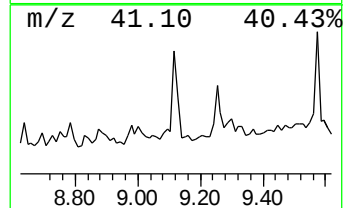
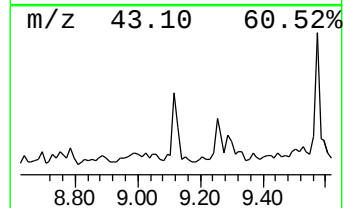
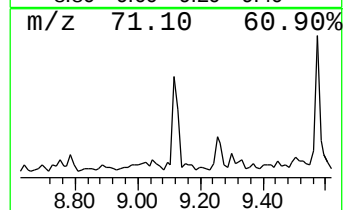
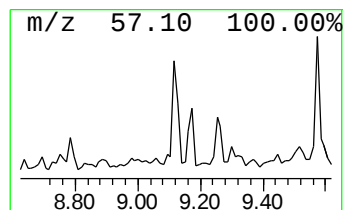
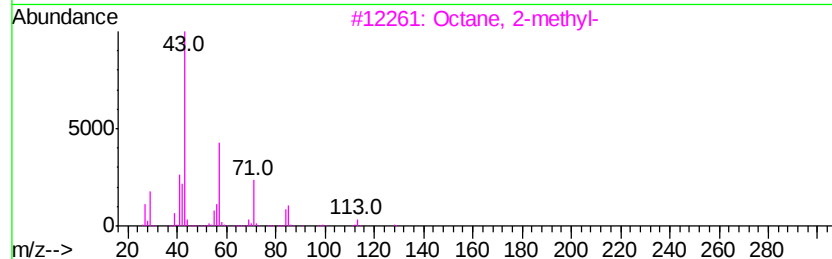
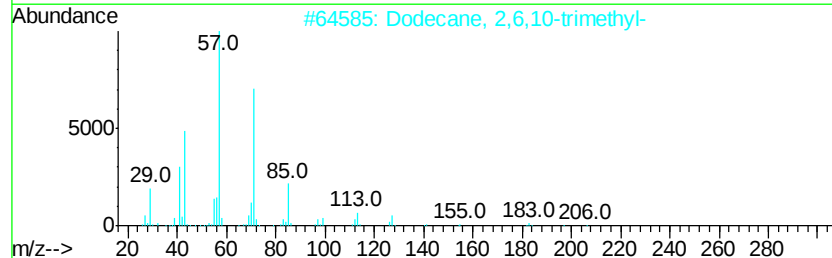
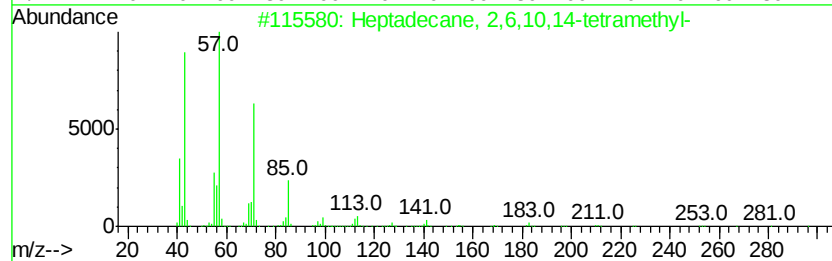
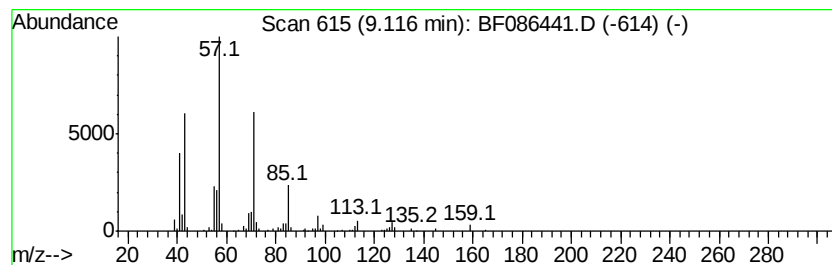
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptadecane, 2,6,10,14-tetr... Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.12 | 2.93 ng | 118546 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 86   |
| 2    |    | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32  | 003891-98-3 | 80   |
| 3    |    | Octane, 2-methyl-                   | 128 | C9H20   | 003221-61-2 | 72   |
| 4    |    | Octane, 3,6-dimethyl-               | 142 | C10H22  | 015869-94-0 | 64   |
| 5    |    | Octane, 2,6-dimethyl-               | 142 | C10H22  | 002051-30-1 | 59   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

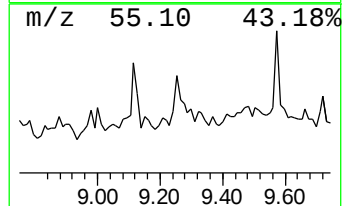
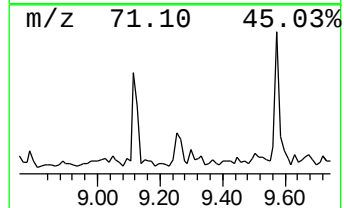
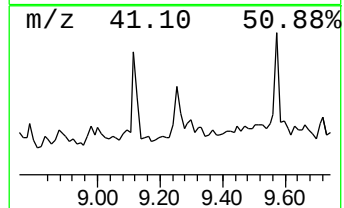
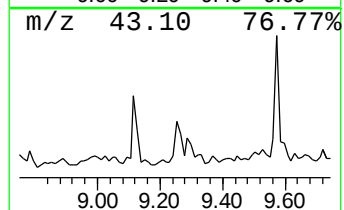
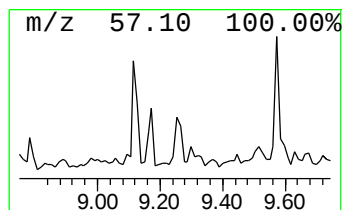
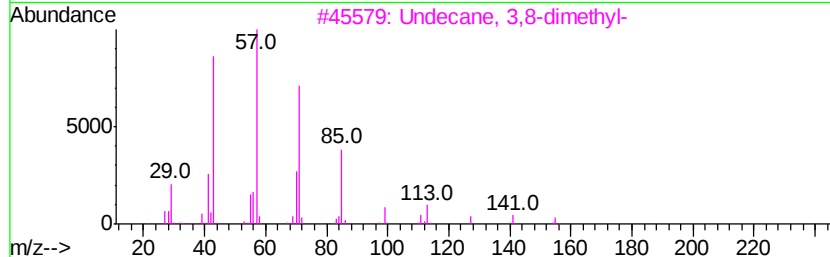
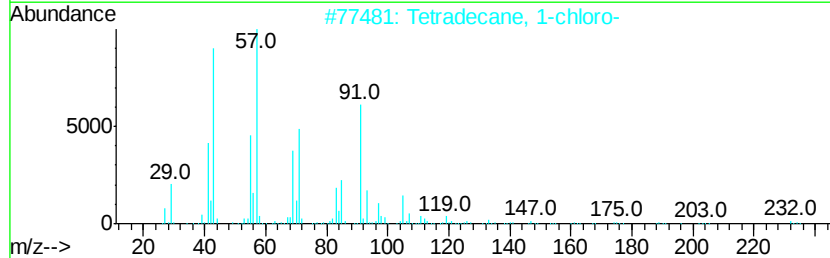
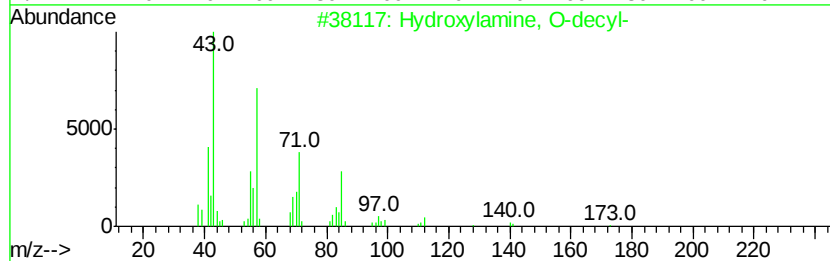
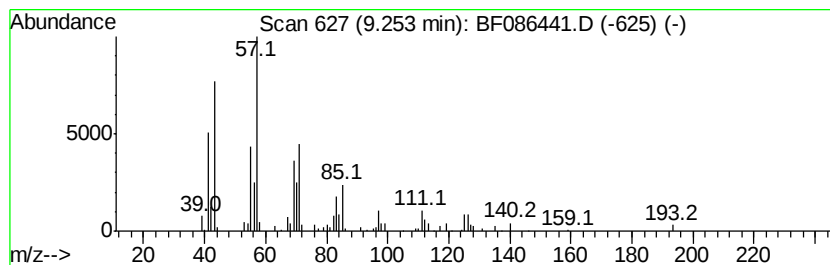
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Hydroxylamine, O-decyl- Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.25 | 2.87 ng | 116444 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hydroxylamine, O-decyl-        | 173 | C10H23NO | 029812-79-1 | 72   |
| 2    |    | Tetradecane, 1-chloro-         | 232 | C14H29Cl | 002425-54-9 | 53   |
| 3    |    | Undecane, 3,8-dimethyl-        | 184 | C13H28   | 017301-30-3 | 53   |
| 4    |    | Decane, 3-methyl-              | 156 | C11H24   | 013151-34-3 | 53   |
| 5    |    | 1-Dodecanol, 3,7,11-trimethyl- | 228 | C15H32O  | 006750-34-1 | 49   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

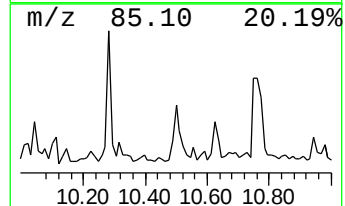
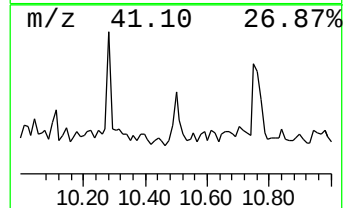
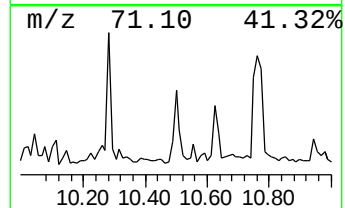
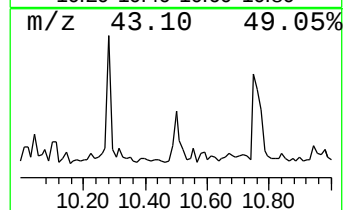
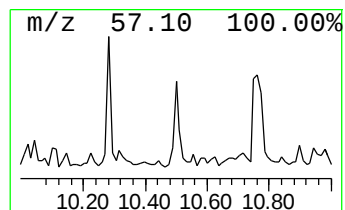
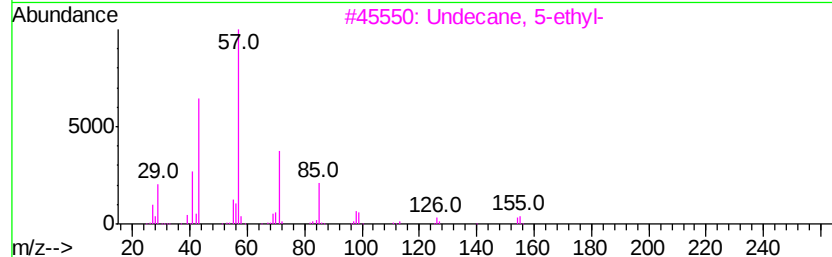
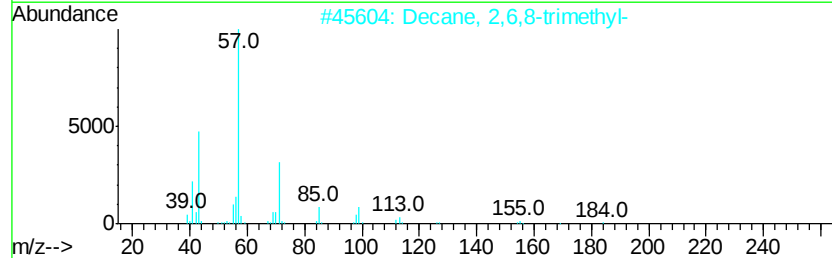
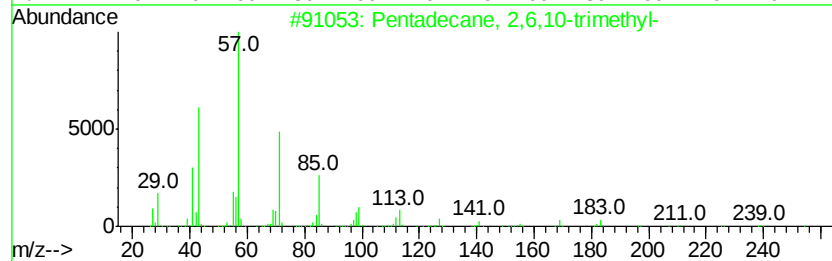
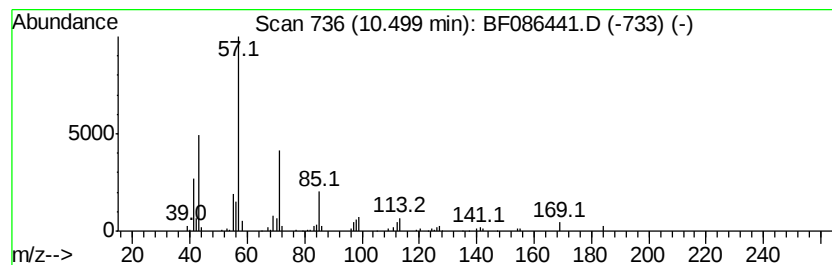
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Pentadecane, 2,6,10-trimethyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.50 | 3.13 ng | 126996 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 83   |
| 2    |    | Decane, 2,6,8-trimethyl-       | 184 | C13H28  | 062108-26-3 | 76   |
| 3    |    | Undecane, 5-ethyl-             | 184 | C13H28  | 017453-94-0 | 72   |
| 4    |    | Octane, 3,5-dimethyl-          | 142 | C10H22  | 015869-93-9 | 70   |
| 5    |    | Undecane, 3,6-dimethyl-        | 184 | C13H28  | 017301-28-9 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

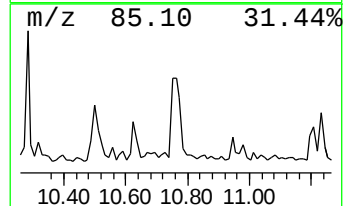
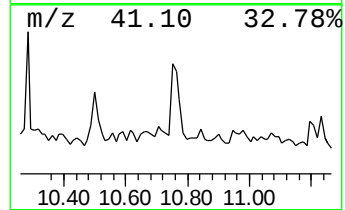
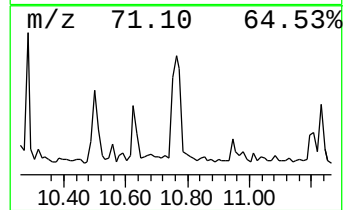
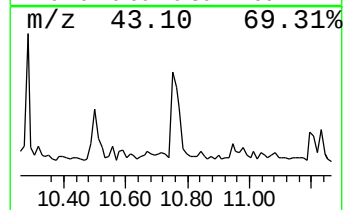
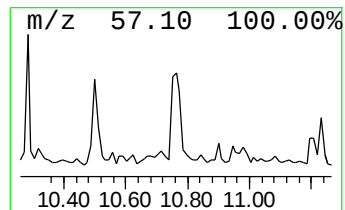
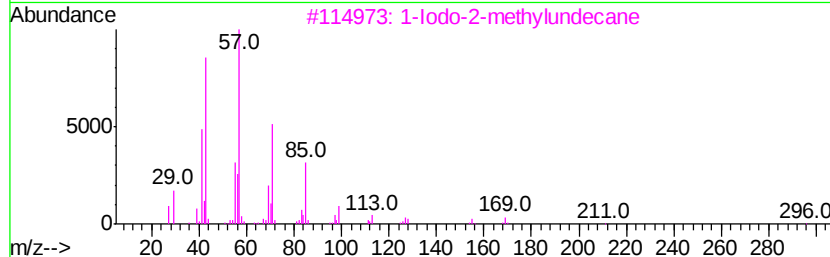
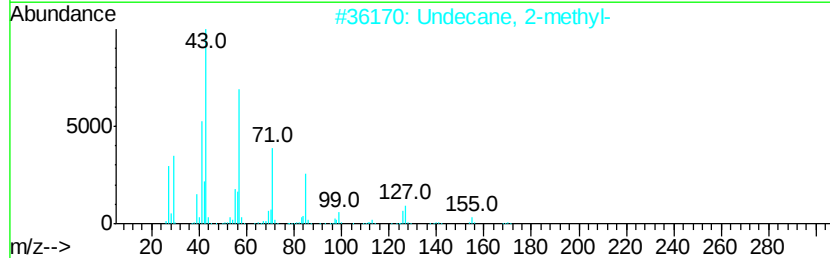
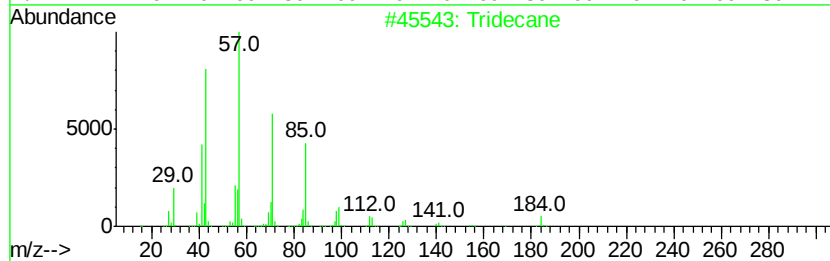
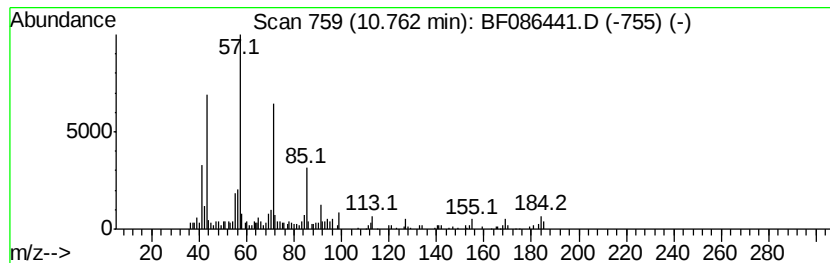
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tridecane Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.76 | 11.42 ng | 365658 | Phenanthrene-d10 | 11.32 |

| Hit# of | 5                       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane               |              | 184 | C13H28  | 000629-50-5 | 94   |
| 2       | Undecane, 2-methyl-     |              | 170 | C12H26  | 007045-71-8 | 72   |
| 3       | 1-Iodo-2-methylundecane |              | 296 | C12H25I | 073105-67-6 | 72   |
| 4       | Undecane, 5-methyl-     |              | 170 | C12H26  | 001632-70-8 | 72   |
| 5       | Dodecane                |              | 170 | C12H26  | 000112-40-3 | 70   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

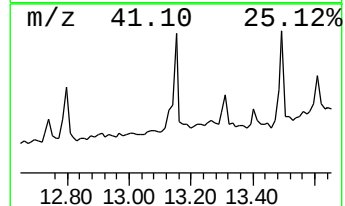
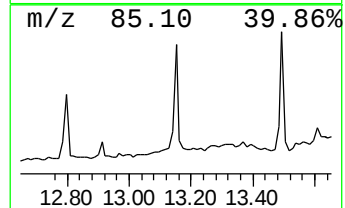
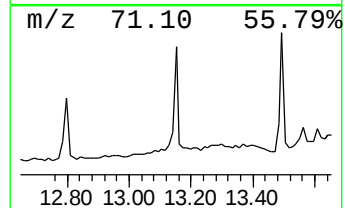
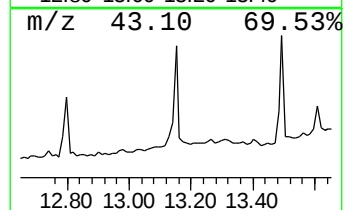
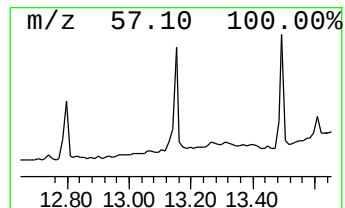
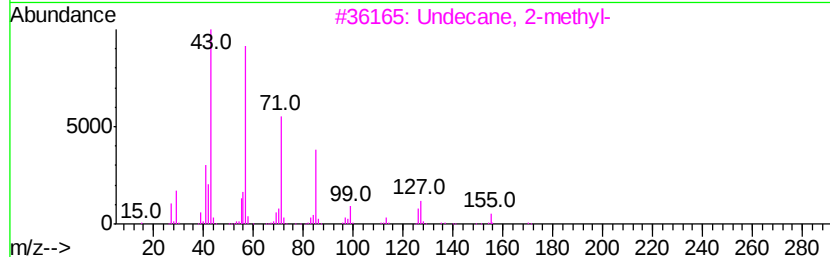
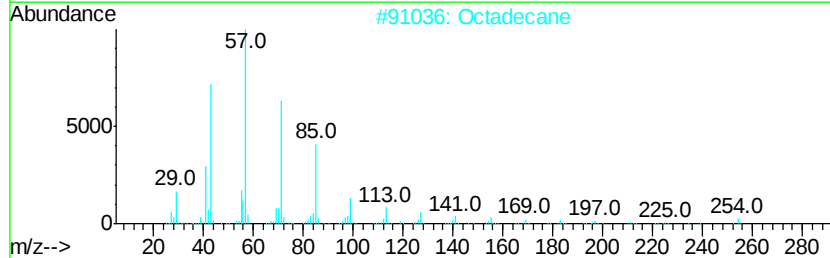
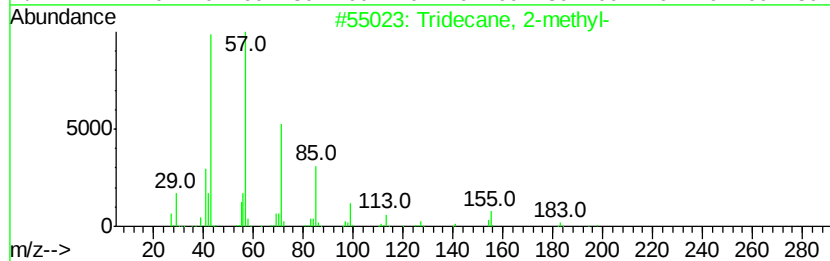
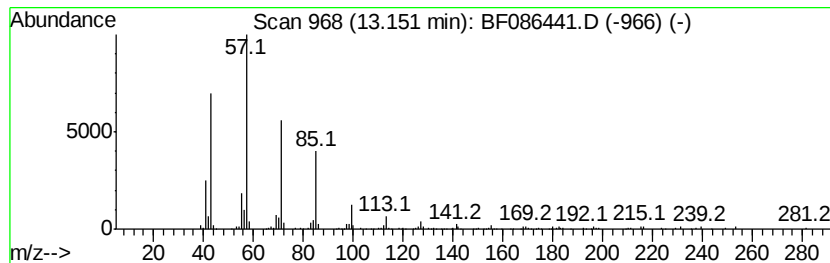
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Tridecane, 2-methyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.15 | 3.54 ng | 151158 | Chrysene-d12     | 13.96 |

| Hit# of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------|-----|---------|-------------|------|
| 1       |   | Tridecane, 2-methyl-     | 198 | C14H30  | 001560-96-9 | 87   |
| 2       |   | Octadecane               | 254 | C18H38  | 000593-45-3 | 83   |
| 3       |   | Undecane, 2-methyl-      | 170 | C12H26  | 007045-71-8 | 80   |
| 4       |   | Decane, 2,3,8-trimethyl- | 184 | C13H28  | 062238-14-6 | 78   |
| 5       |   | Undecane, 2,9-dimethyl-  | 184 | C13H28  | 017301-26-7 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

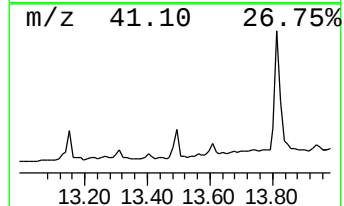
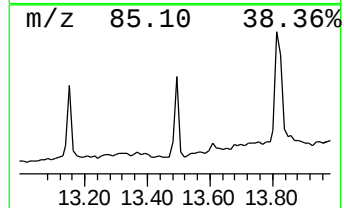
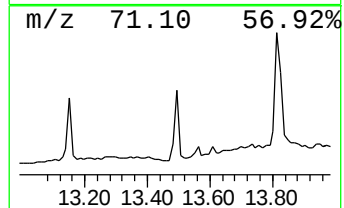
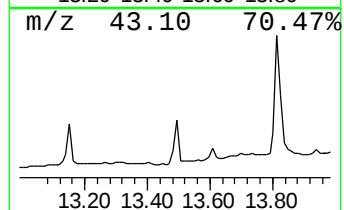
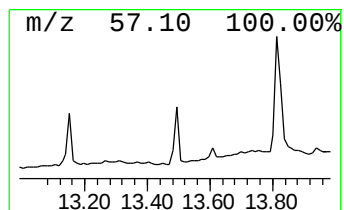
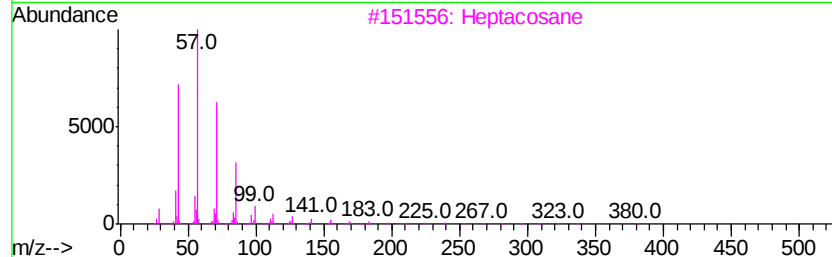
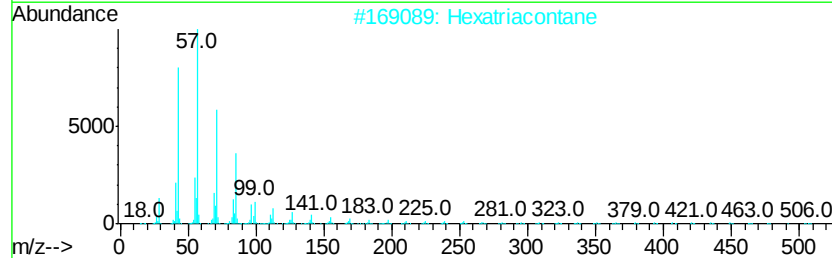
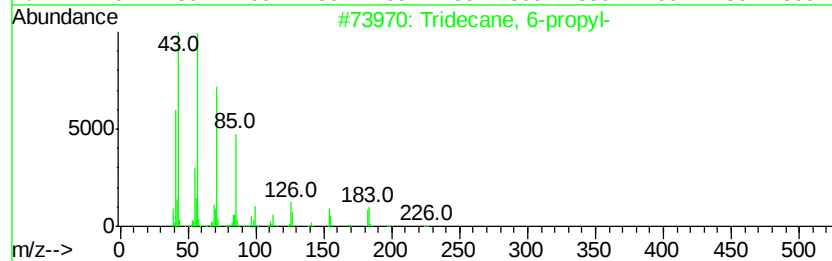
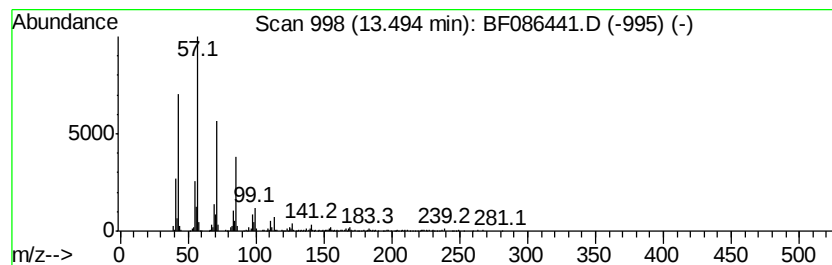
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.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 Tridecane, 6-propyl- Concentration Rank 12

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 13.49     | 6.03 ng              | 257810 | Chrysene-d12     | 13.96       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecane, 6-propyl- | 226    | C16H34           | 055045-10-8 | 93   |
| 2         | Hexatriacontane      | 507    | C36H74           | 000630-06-8 | 91   |
| 3         | Heptacosane          | 380    | C27H56           | 000593-49-7 | 91   |
| 4         | Eicosane             | 282    | C20H42           | 000112-95-8 | 91   |
| 5         | Tetratriacontane     | 479    | C34H70           | 014167-59-0 | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

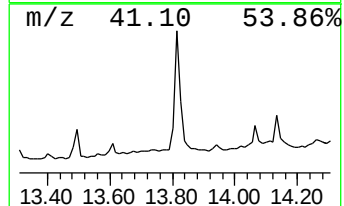
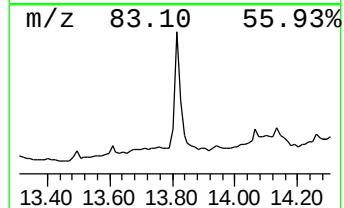
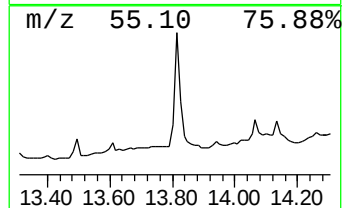
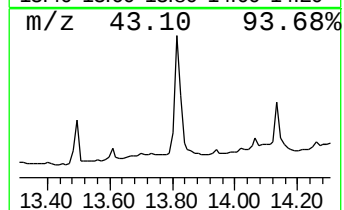
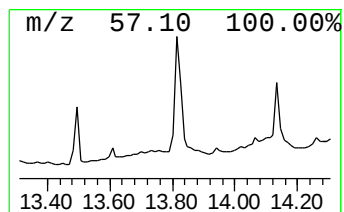
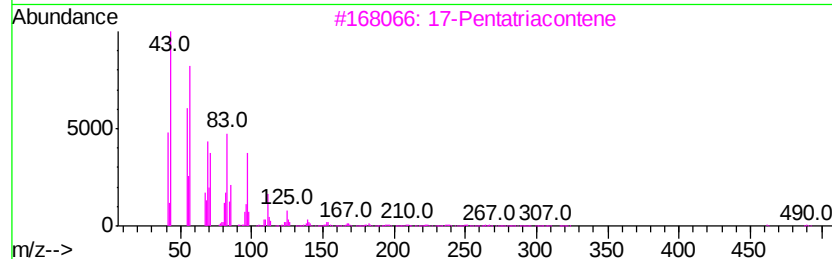
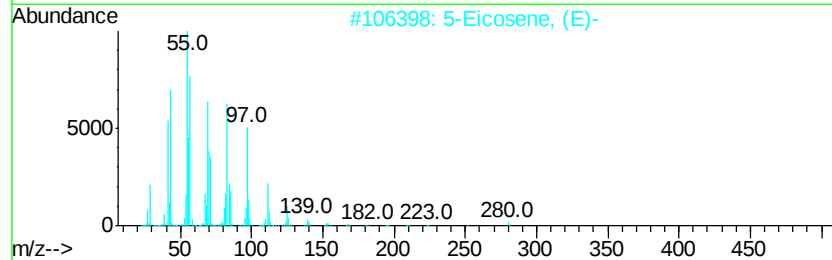
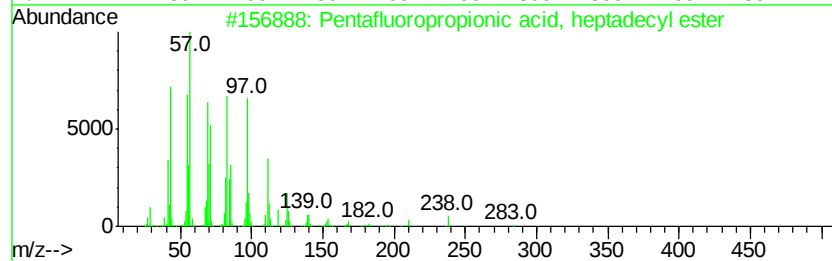
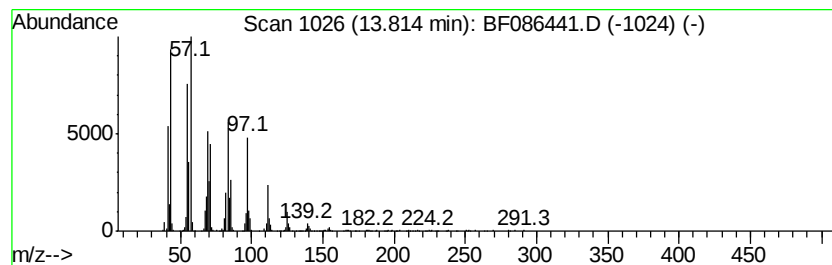
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Pentafluoropropionic acid, ... Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.81 | 22.80 ng | 974567 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 94   |
| 2    |    | 5-Eicosene, (E)-                    | 280 | C20H40     | 074685-30-6  | 93   |
| 3    |    | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 91   |
| 4    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 91   |
| 5    |    | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1  | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

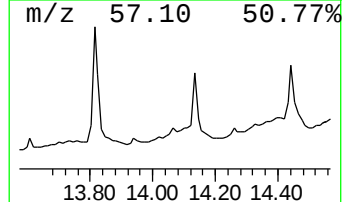
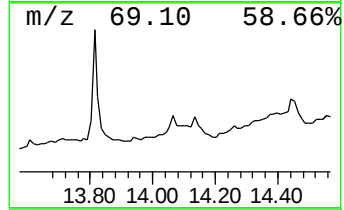
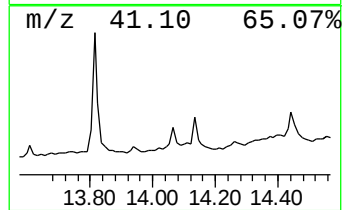
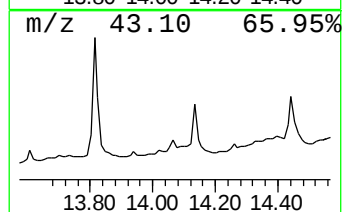
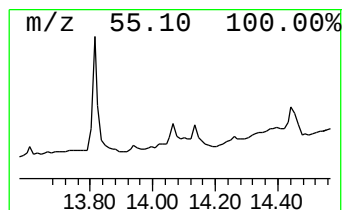
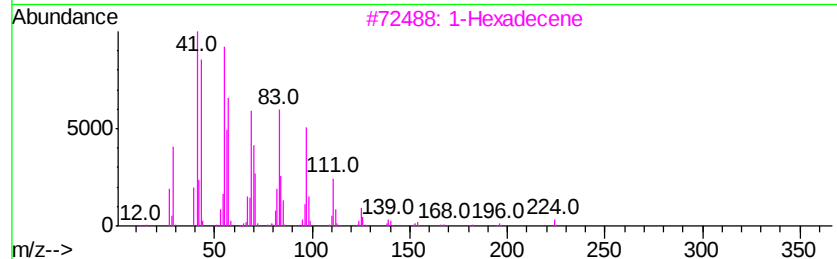
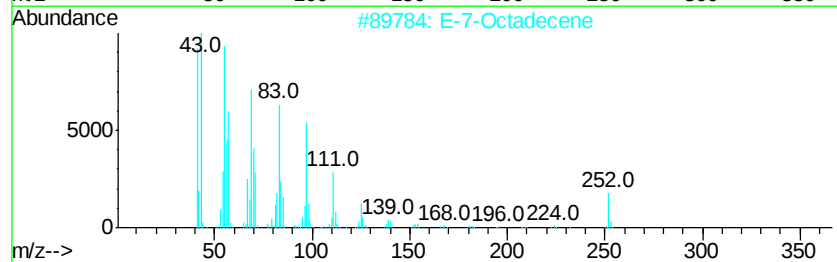
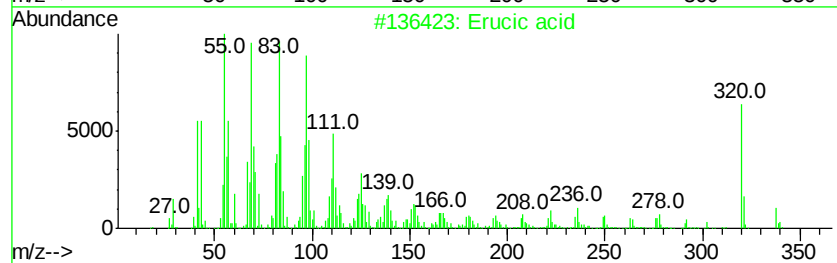
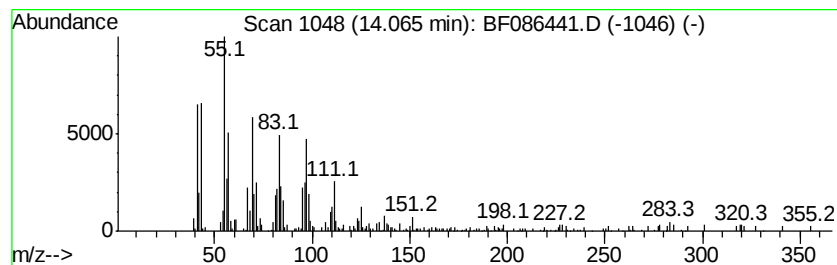
Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.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 Erucic acid Concentration Rank 14

| R.T.    | EstConc        | Area         | Relative to ISTD | R.T.      |
|---------|----------------|--------------|------------------|-----------|
| 14.07   | 5.10 ng        | 217888       | Chrysene-d12     | 13.96     |
| Hit# of | 5              | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Erucic acid    | 338 C22H42O2 | 000112-86-7      | 87        |
| 2       | E-7-Octadecene | 252 C18H36   | 1000130-92-0     | 58        |
| 3       | 1-Hexadecene   | 224 C16H32   | 000629-73-2      | 58        |
| 4       | Oleic Acid     | 282 C18H34O2 | 000112-80-1      | 49        |
| 5       | 1-Eicosene     | 280 C20H40   | 003452-07-1      | 49        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

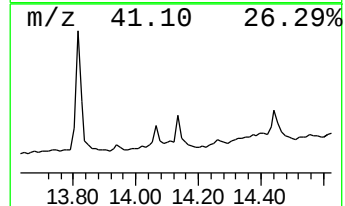
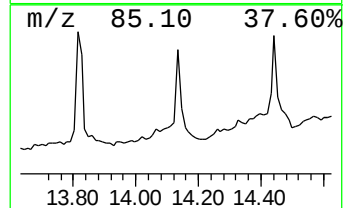
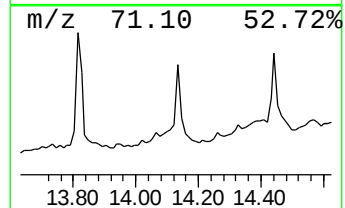
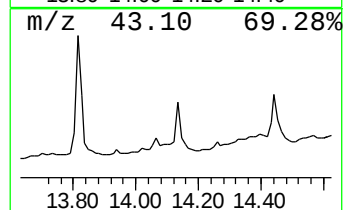
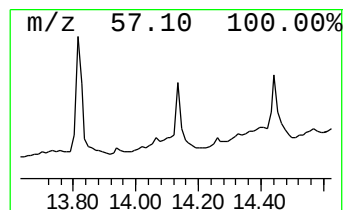
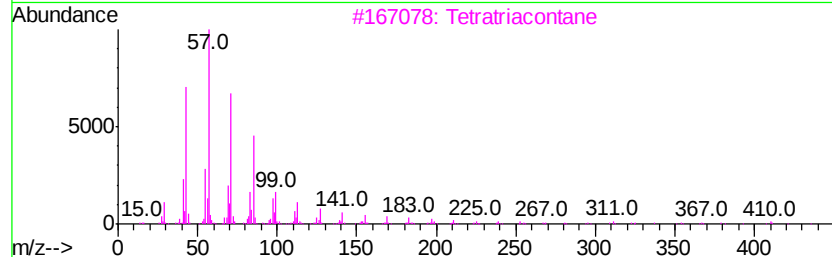
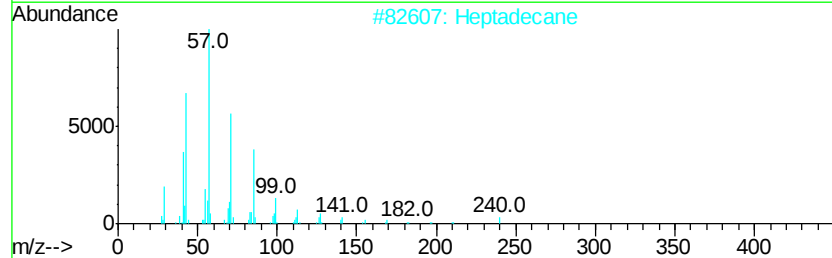
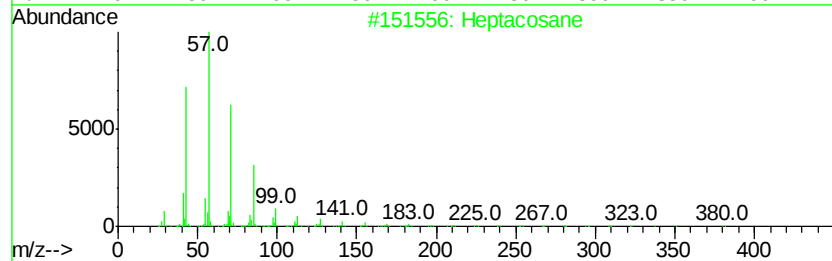
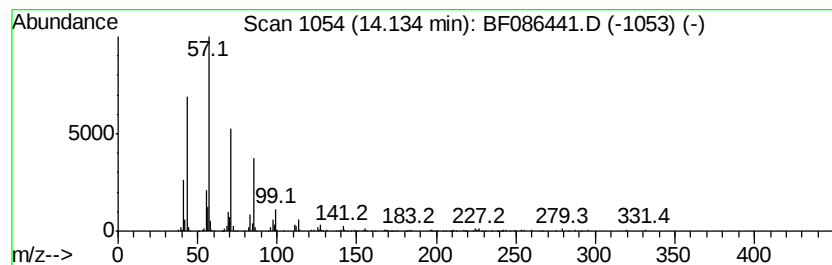
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptacosane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.13 | 7.61 ng | 325438 | Chrysene-d12     | 13.96 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    |   | Heptadecane            | 240 | C17H36  | 000629-78-7 | 90   |
| 3    |    |   | Tetratriacontane       | 479 | C34H70  | 014167-59-0 | 90   |
| 4    |    |   | Pentadecane, 7-methyl- | 226 | C16H34  | 006165-40-8 | 87   |
| 5    |    |   | Eicosane               | 282 | C20H42  | 000112-95-8 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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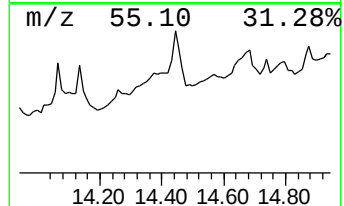
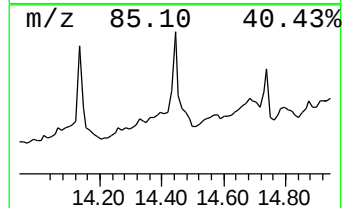
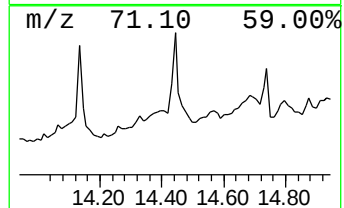
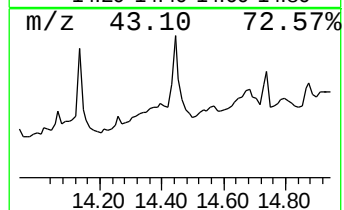
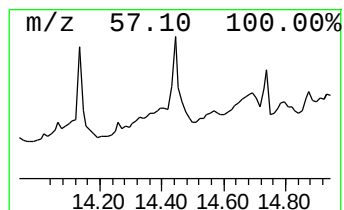
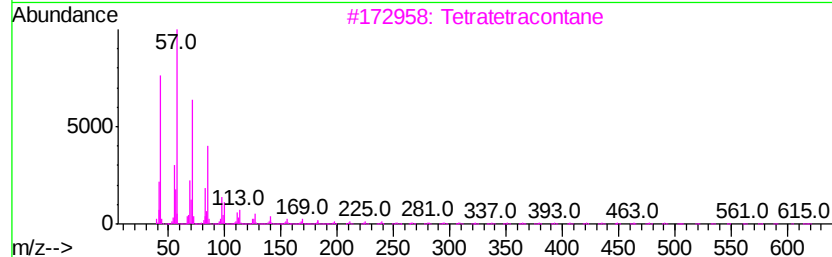
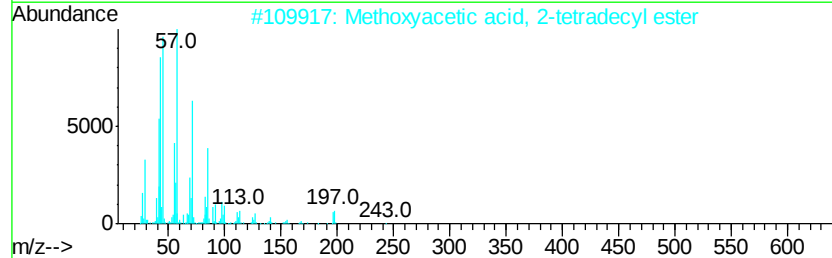
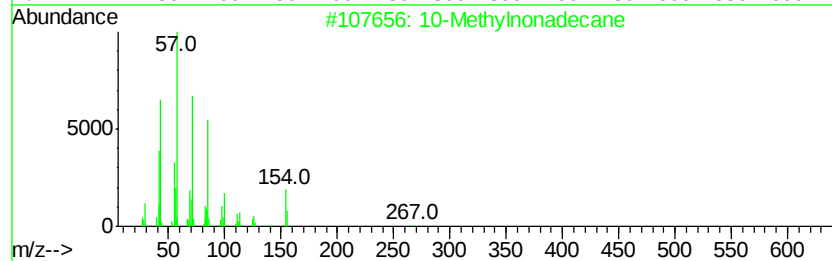
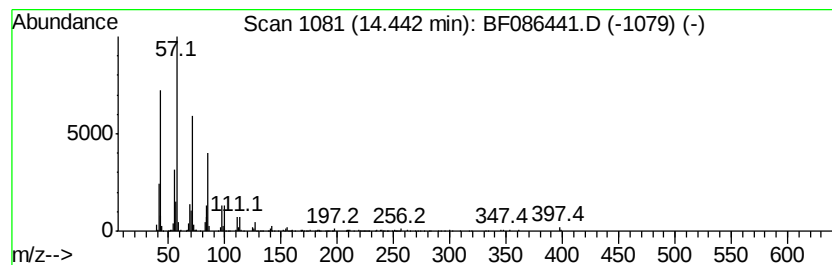
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 10-Methylnonadecane Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.44 | 11.35 ng | 484984 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 10-Methylnonadecane                 | 282 | C20H42   | 056862-62-5  | 91   |
| 2    |    | Methoxyacetic acid, 2-tetradecyl... | 286 | C17H34O3 | 1000282-04-8 | 90   |
| 3    |    | Tetratetracontane                   | 619 | C44H90   | 007098-22-8  | 90   |
| 4    |    | Tetratriacontane                    | 479 | C34H70   | 014167-59-0  | 90   |
| 5    |    | Eicosane, 7-hexyl-                  | 366 | C26H54   | 055333-99-8  | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
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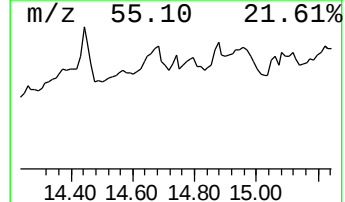
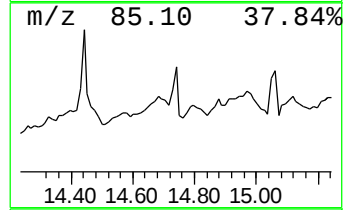
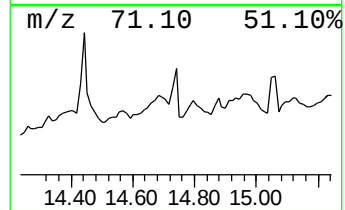
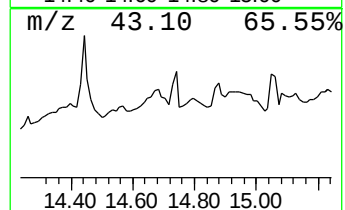
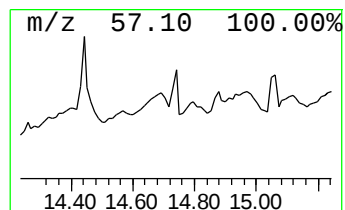
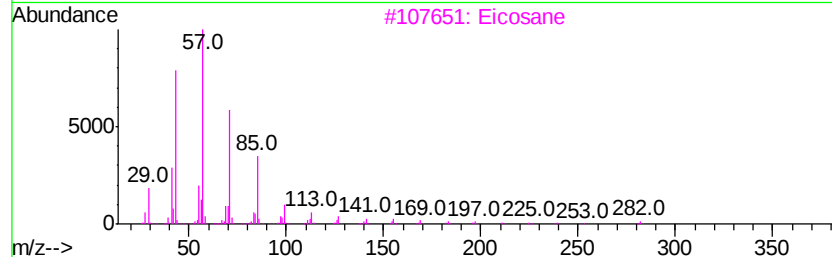
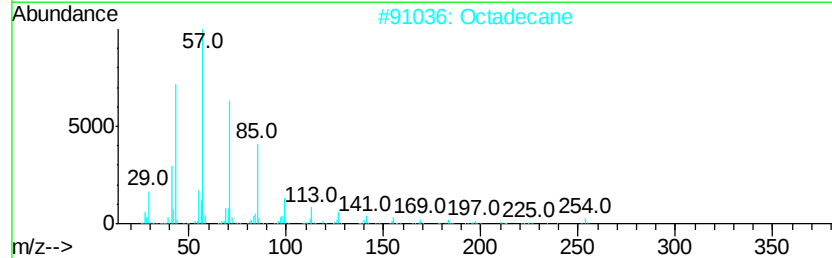
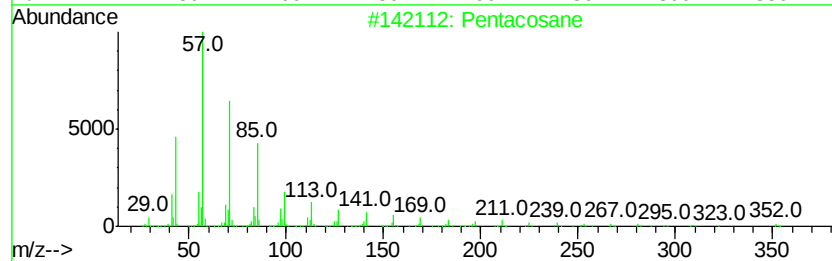
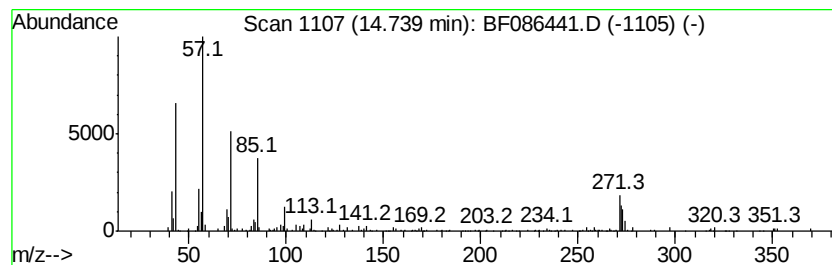
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Pentacosane Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.74 | 3.22 ng | 105338 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentacosane          | 352 | C25H52  | 000629-99-2 | 86   |
| 2    |    | Octadecane           | 254 | C18H38  | 000593-45-3 | 70   |
| 3    |    | Eicosane             | 282 | C20H42  | 000112-95-8 | 62   |
| 4    |    | 3,5-Dimethyldodecane | 198 | C14H30  | 107770-99-0 | 58   |
| 5    |    | Tetracosane          | 338 | C24H50  | 000646-31-1 | 58   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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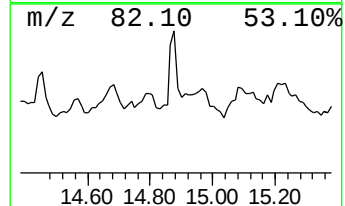
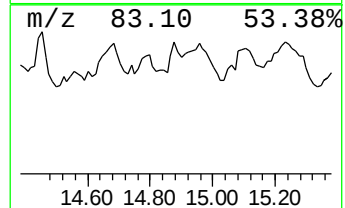
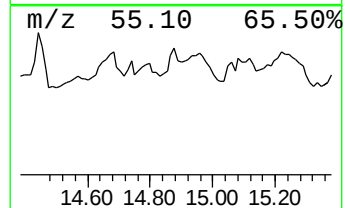
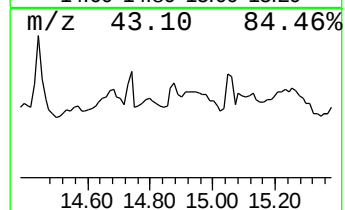
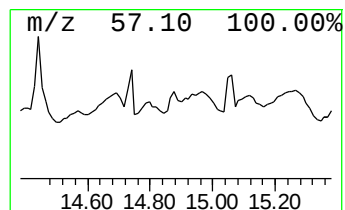
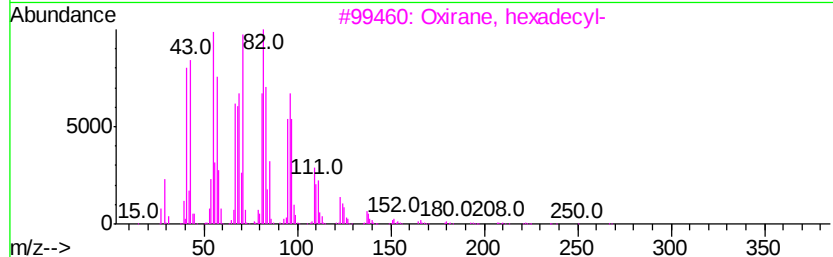
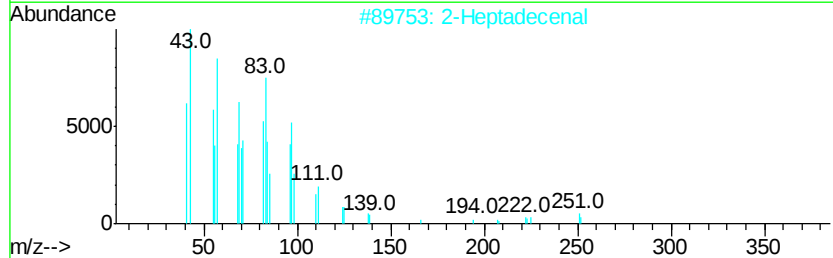
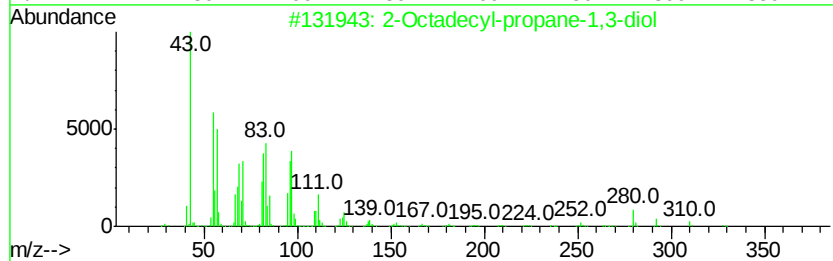
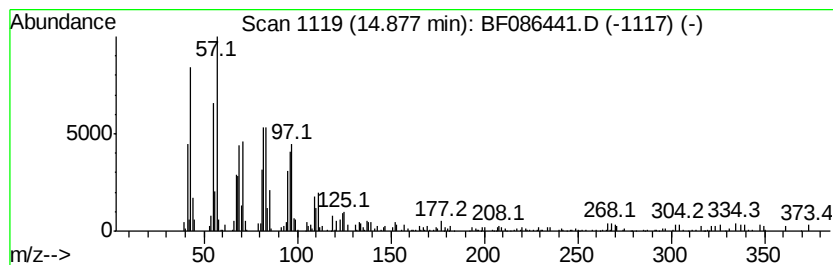
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 2-Octadecyl-propane-1,3-diol Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.88 | 6.58 ng | 214992 | Perylene-d12     | 15.37 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#         | Qual |
|------|----|---|---------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 2-Octadecyl-propane-1,3-diol          | 328 | C21H44O2 | 005337-61-1  | 91   |
| 2    |    |   | 2-Heptadecenal                        | 252 | C17H32O  | 1000143-48-6 | 83   |
| 3    |    |   | Oxirane, hexadecyl-                   | 268 | C18H36O  | 007390-81-0  | 68   |
| 4    |    |   | (R)-(-)-(Z)-14-Methyl-8-hexadecene... | 254 | C17H34O  | 030689-78-2  | 64   |
| 5    |    |   | Tridecane, 5-cyclohexyl-              | 266 | C19H38   | 013151-90-1  | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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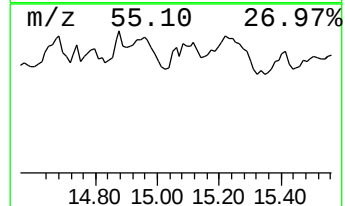
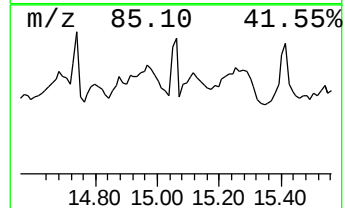
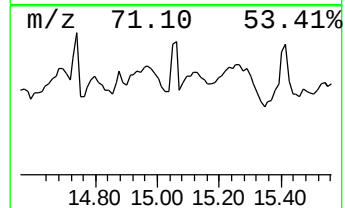
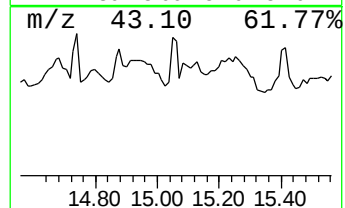
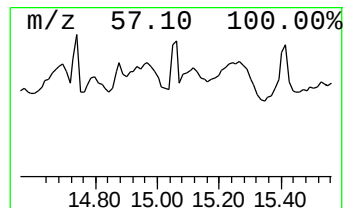
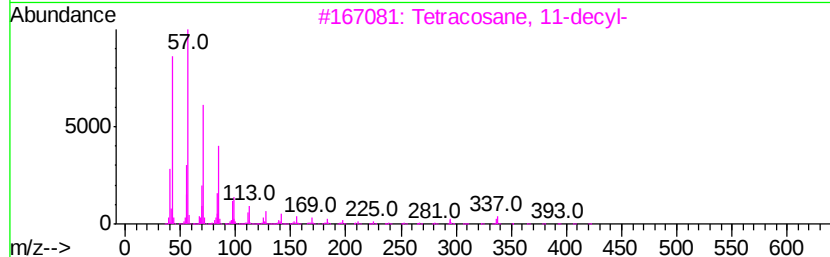
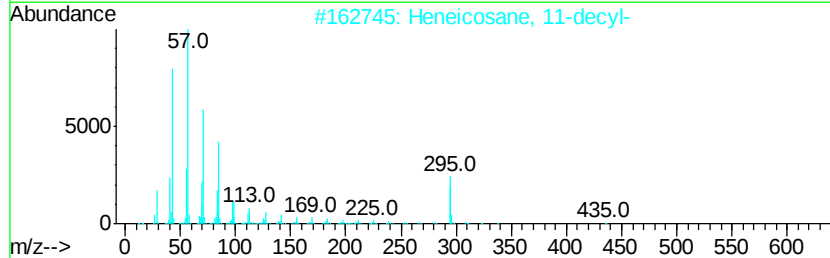
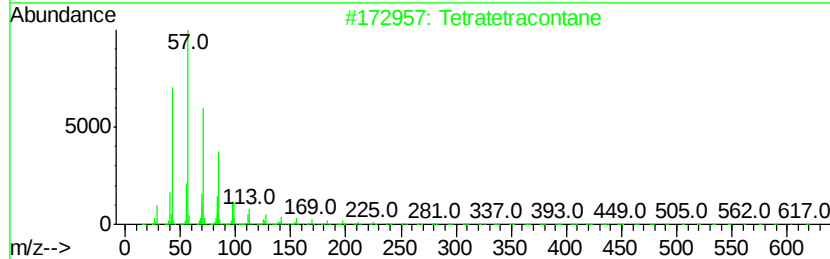
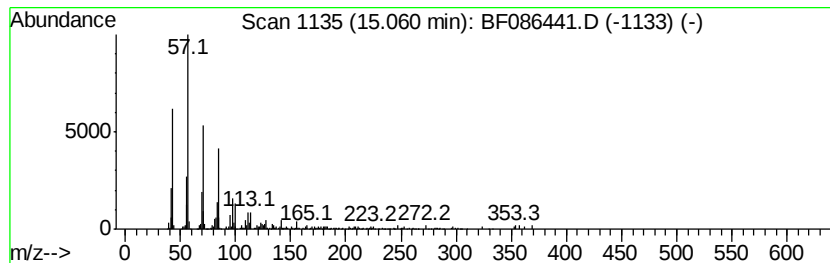
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Tetratetracontane Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.06 | 5.18 ng | 169181 | Perylene-d12     | 15.37 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 90   |
| 2    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 90   |
| 3    |    |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 87   |
| 4    |    |   | Hexatriacontane        | 507 | C36H74  | 000630-06-8 | 87   |
| 5    |    |   | Tetradecane, 4-ethyl-  | 226 | C16H34  | 055045-14-2 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

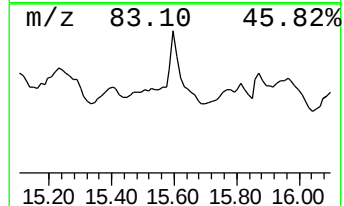
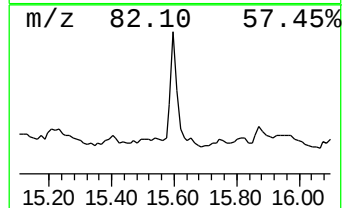
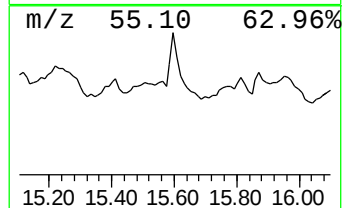
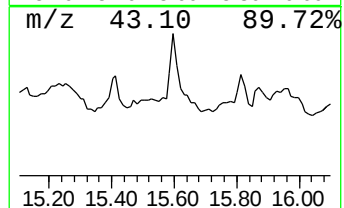
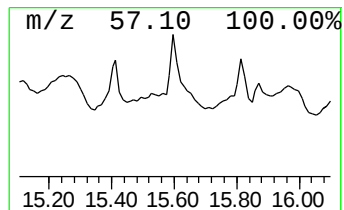
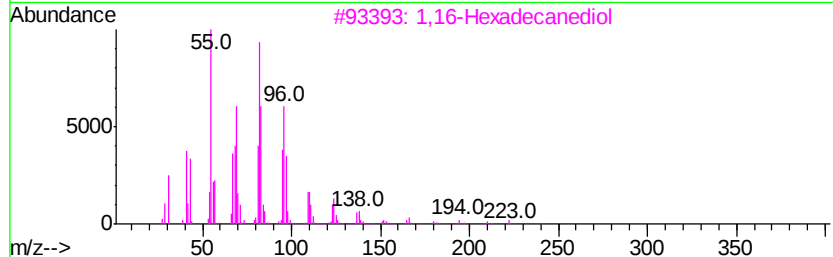
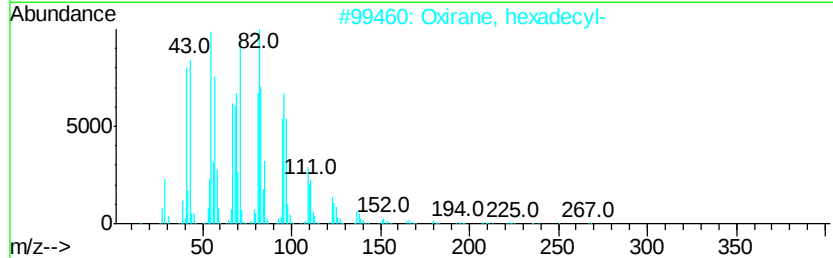
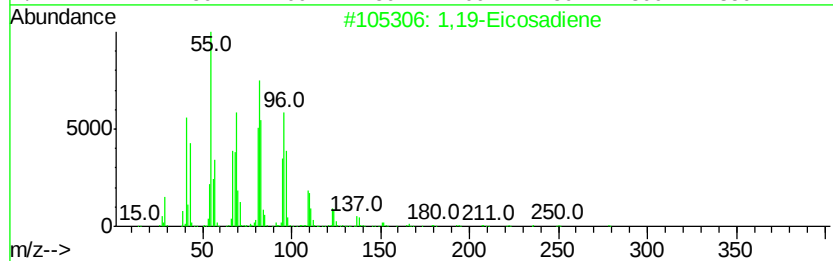
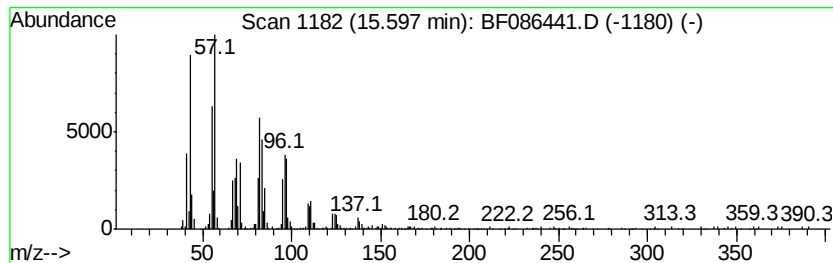
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 1,19-Eicosadiene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.60 | 28.17 ng | 920587 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,19-Eicosadiene             | 278 | C20H38   | 014811-95-1 | 95   |
| 2    |    | Oxirane, hexadecyl-          | 268 | C18H36O  | 007390-81-0 | 91   |
| 3    |    | 1,16-Hexadecanediol          | 258 | C16H34O2 | 007735-42-4 | 87   |
| 4    |    | Octadecanal                  | 268 | C18H36O  | 000638-66-4 | 72   |
| 5    |    | 2-Octadecyl-propane-1,3-diol | 328 | C21H44O2 | 005337-61-1 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

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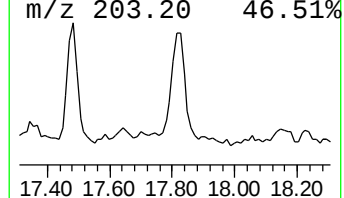
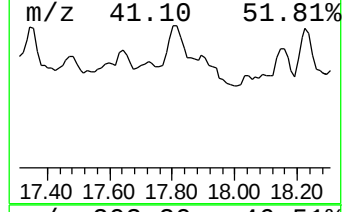
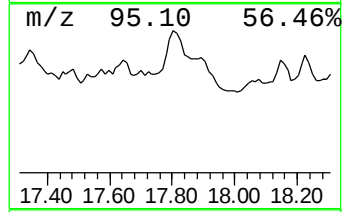
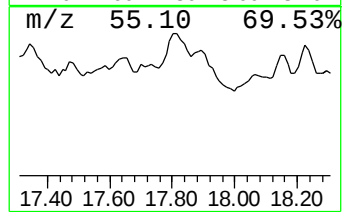
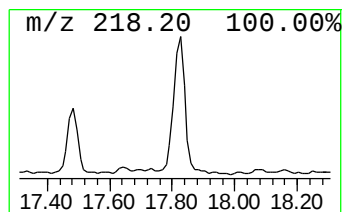
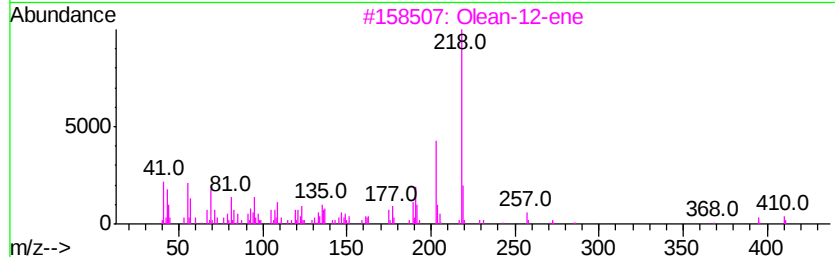
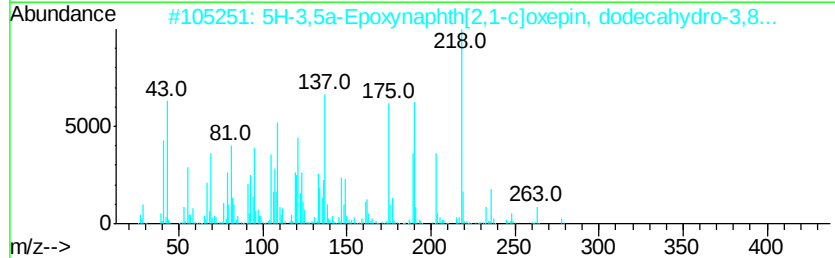
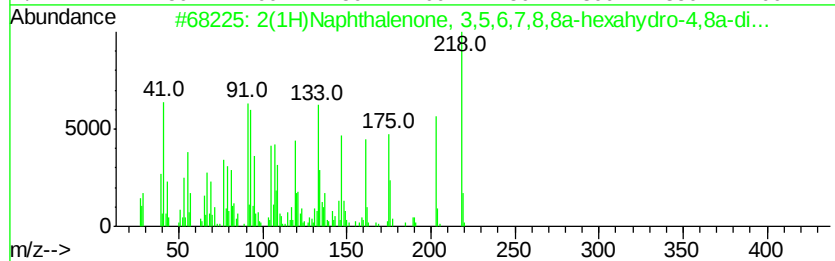
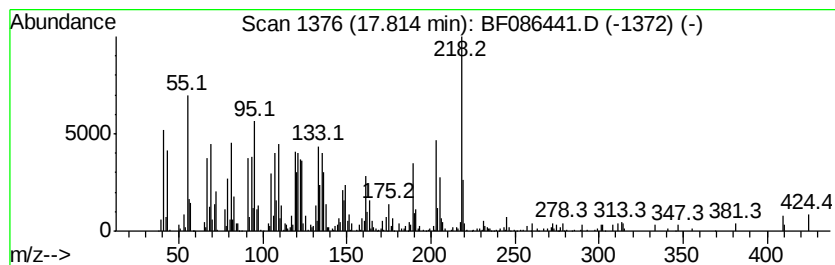
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 2(1H)Naphthalenone, 3,5,6,7... Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.81 | 19.13 ng | 624955 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2(1H)Naphthalenone, 3,5,6,7,8,8a...  | 218 | C15H22O  | 1000188-66-5 | 90   |
| 2    |    | 5H-3,5a-Epoxy naphth[2,1-c]oxepin... | 278 | C18H30O2 | 001153-34-0  | 58   |
| 3    |    | Olean-12-ene                         | 410 | C30H50   | 000471-68-1  | 53   |
| 4    |    | Methanol, [6,8,9-trimethyl-4-(1-...  | 236 | C15H24O2 | 1000277-60-9 | 27   |
| 5    |    | Thieno[3,2-b]thiophene-2,5-diimi...  | 218 | C8H2N4S2 | 125594-14-1  | 18   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
Data File : BF086441.D  
Acq On : 27 Apr 2016 23:28  
Operator : UM/SJ  
Sample : H2730-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

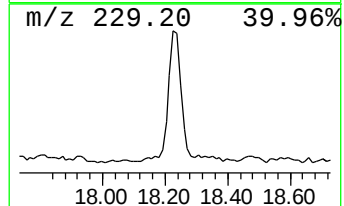
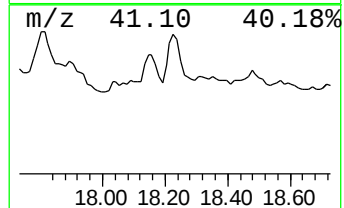
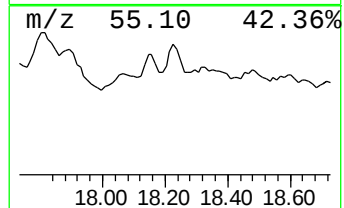
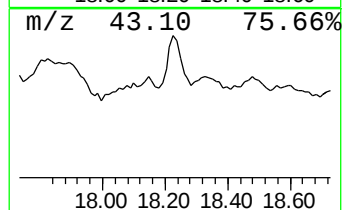
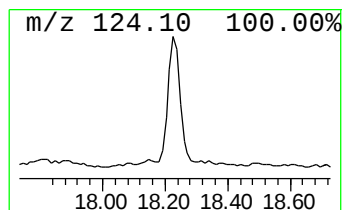
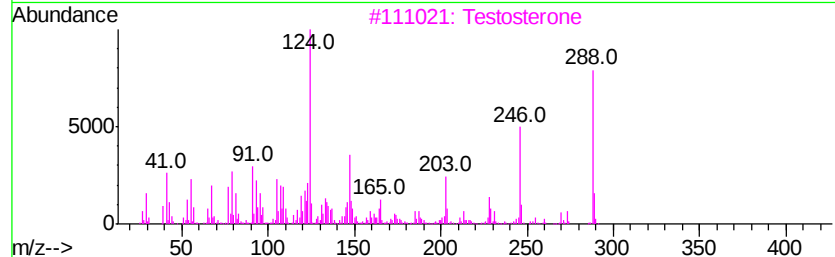
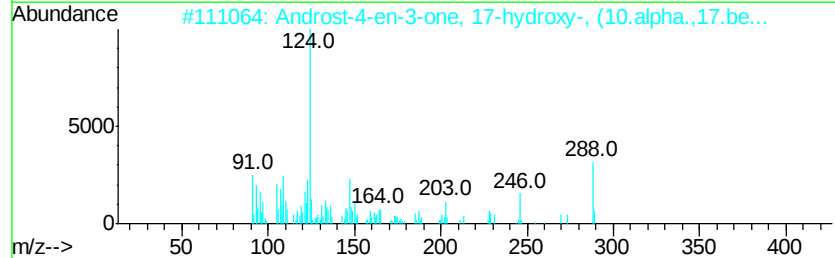
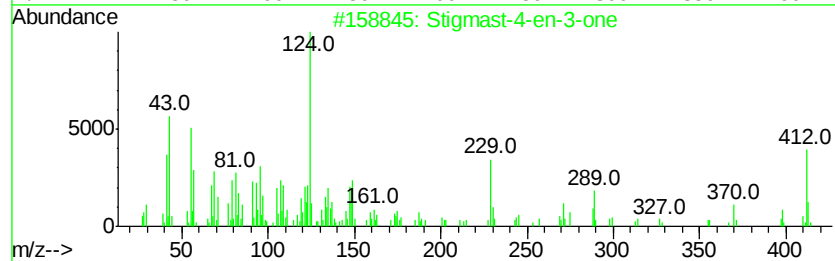
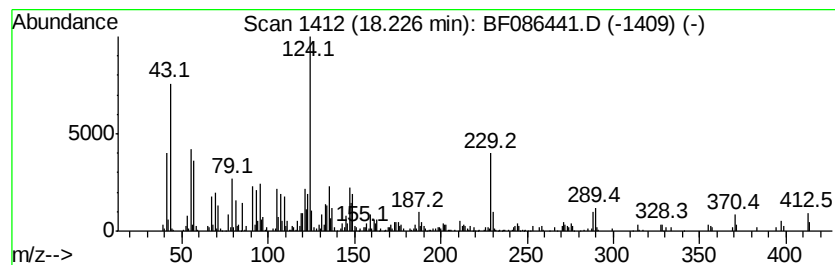
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Stigmast-4-en-3-one Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.23 | 13.78 ng | 450329 | Perylene-d12     | 15.37 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#        | Qual |
|------|----|--------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Stigmast-4-en-3-one                  | 412 | C29H48O   | 001058-61-3 | 97   |
| 2    |    | Androst-4-en-3-one, 17-hydroxy-, ... | 288 | C19H28O2  | 000604-39-7 | 70   |
| 3    |    | Testosterone                         | 288 | C19H28O2  | 000058-22-0 | 43   |
| 4    |    | Pregn-4-en-3-one, 20,21-[[(1,1-d...  | 398 | C25H39BO3 | 030882-66-7 | 35   |
| 5    |    | 2,3-Diaminophenol                    | 124 | C6H8N2O   | 059649-56-8 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042716\  
 Data File : BF086441.D  
 Acq On : 27 Apr 2016 23:28  
 Operator : UM/SJ  
 Sample : H2730-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCKPILE-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.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 |
| Decane, 2,6,7-tri... | 8.52  | 2.7     | ng    | 123468   | 2                     | 8.09  | 902239 | 20.0 |
| Heptadecane, 2,6,... | 9.12  | 2.9     | ng    | 118546   | 3                     | 9.85  | 810336 | 20.0 |
| Hydroxylamine, 0-... | 9.25  | 2.9     | ng    | 116444   | 3                     | 9.85  | 810336 | 20.0 |
| Pentadecane, 2,6,... | 10.50 | 3.1     | ng    | 126996   | 3                     | 9.85  | 810336 | 20.0 |
| Tridecane            | 10.76 | 11.4    | ng    | 365658   | 4                     | 11.32 | 640142 | 20.0 |
| Tridecane, 2-methyl- | 13.15 | 3.5     | ng    | 151158   | 5                     | 13.96 | 854950 | 20.0 |
| Tridecane, 6-propyl- | 13.49 | 6.0     | ng    | 257810   | 5                     | 13.96 | 854950 | 20.0 |
| Pentafluoropropio... | 13.81 | 22.8    | ng    | 974567   | 5                     | 13.96 | 854950 | 20.0 |
| Erucic acid          | 14.07 | 5.1     | ng    | 217888   | 5                     | 13.96 | 854950 | 20.0 |
| Heptacosane          | 14.13 | 7.6     | ng    | 325438   | 5                     | 13.96 | 854950 | 20.0 |
| 10-Methylnonadecane  | 14.44 | 11.4    | ng    | 484984   | 5                     | 13.96 | 854950 | 20.0 |
| Pentacosane          | 14.74 | 3.2     | ng    | 105338   | 6                     | 15.37 | 653487 | 20.0 |
| 2-Octadecyl-propa... | 14.88 | 6.6     | ng    | 214992   | 6                     | 15.37 | 653487 | 20.0 |
| Tetratetracontane    | 15.06 | 5.2     | ng    | 169181   | 6                     | 15.37 | 653487 | 20.0 |
| 1,19-Eicosadiene     | 15.60 | 28.2    | ng    | 920587   | 6                     | 15.37 | 653487 | 20.0 |
| 2(1H)Naphthalenon... | 17.81 | 19.1    | ng    | 624955   | 6                     | 15.37 | 653487 | 20.0 |
| Stigmast-4-en-3-one  | 18.23 | 13.8    | ng    | 450329   | 6                     | 15.37 | 653487 | 20.0 |