

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
 Data File : BF085775.D  
 Acq On : 25 Mar 2016 21:44  
 Operator : UM/SJ  
 Sample : H1855-11 2X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7

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-BF032416.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         | 5.430       | 273           | 275         | 283          | rVB      | 16102          | 31120         | 2.48%           | 0.268%        |
| 2         | 6.470       | 363           | 366         | 375          | rBV      | 25368          | 47043         | 3.74%           | 0.406%        |
| 3         | 6.596       | 375           | 377         | 381          | rBV      | 48412          | 46586         | 3.71%           | 0.402%        |
| 4         | 6.824       | 394           | 397         | 399          | rBV      | 772283         | 680079        | 54.13%          | 5.865%        |
| 5         | 6.984       | 409           | 411         | 413          | rBV      | 23708          | 29676         | 2.36%           | 0.256%        |
| 6         | 7.396       | 445           | 447         | 453          | rVB      | 12637          | 19898         | 1.58%           | 0.172%        |
| 7         | 7.487       | 453           | 455         | 462          | rBV      | 12138          | 18006         | 1.43%           | 0.155%        |
| 8         | 8.104       | 507           | 509         | 512          | rBV      | 691189         | 792697        | 63.09%          | 6.836%        |
| 9         | 9.179       | 601           | 603         | 606          | rBV      | 41386          | 55254         | 4.40%           | 0.476%        |
| 10        | 9.453       | 624           | 627         | 632          | rBV      | 6307           | 17676         | 1.41%           | 0.152%        |
| 11        | 9.579       | 636           | 638         | 642          | rVB      | 247643         | 205522        | 16.36%          | 1.772%        |
| 12        | 9.727       | 649           | 651         | 653          | rBV      | 15344          | 17776         | 1.41%           | 0.153%        |
| 13        | 9.796       | 655           | 657         | 659          | rBV      | 30355          | 24719         | 1.97%           | 0.213%        |
| 14        | 9.865       | 661           | 663         | 665          | rBV      | 816552         | 758071        | 60.33%          | 6.537%        |
| 15        | 10.299      | 697           | 701         | 702          | rBV2     | 27214          | 43899         | 3.49%           | 0.379%        |
| 16        | 10.413      | 709           | 711         | 713          | rBV      | 9976           | 13412         | 1.07%           | 0.116%        |
| 17        | 10.516      | 717           | 720         | 723          | rBV      | 16456          | 27384         | 2.18%           | 0.236%        |
| 18        | 10.653      | 729           | 732         | 734          | rBV2     | 24822          | 31746         | 2.53%           | 0.274%        |
| 19        | 10.768      | 738           | 742         | 748          | rBV      | 45664          | 62766         | 5.00%           | 0.541%        |
| 20        | 10.962      | 756           | 759         | 763          | rVB4     | 7626           | 17254         | 1.37%           | 0.149%        |
| 21        | 11.190      | 777           | 779         | 780          | rVV2     | 9409           | 13665         | 1.09%           | 0.118%        |
| 22        | 11.213      | 780           | 781         | 782          | rVV      | 31128          | 24273         | 1.93%           | 0.209%        |
| 23        | 11.248      | 782           | 784         | 787          | rVB      | 10396          | 15237         | 1.21%           | 0.131%        |
| 24        | 11.339      | 790           | 792         | 796          | rBV2     | 547455         | 813517        | 64.75%          | 7.016%        |
| 25        | 11.419      | 796           | 799         | 801          | rVB      | 49027          | 54686         | 4.35%           | 0.472%        |
| 26        | 11.579      | 810           | 813         | 817          | rBV2     | 19453          | 25035         | 1.99%           | 0.216%        |
| 27        | 11.636      | 817           | 818         | 820          | rBV      | 18627          | 16275         | 1.30%           | 0.140%        |
| 28        | 11.842      | 834           | 836         | 837          | rBV      | 28026          | 25776         | 2.05%           | 0.222%        |
| 29        | 11.876      | 837           | 839         | 841          | rVV      | 54363          | 59934         | 4.77%           | 0.517%        |
| 30        | 11.922      | 841           | 843         | 844          | rVV      | 13330          | 17161         | 1.37%           | 0.148%        |
| 31        | 11.956      | 844           | 846         | 850          | rVB2     | 63216          | 88152         | 7.02%           | 0.760%        |
| 32        | 12.048      | 850           | 854         | 856          | rBV      | 10152          | 17606         | 1.40%           | 0.152%        |
| 33        | 12.139      | 860           | 862         | 863          | rVV      | 24123          | 21688         | 1.73%           | 0.187%        |
| 34        | 12.173      | 863           | 865         | 866          | rVB      | 21485          | 28709         | 2.28%           | 0.248%        |

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 ALS Vial : 61 Sample Multiplier: 1

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Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
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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-BF032416.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |           |        |         |         |         |
|----|--------|------|------|-----------|--------|---------|---------|---------|
| 35 | 12.322 | 877  | 878  | 882 rVB   | 11723  | 15378   | 1.22%   | 0.133%  |
| 36 | 12.391 | 882  | 884  | 886 rBV   | 25830  | 33041   | 2.63%   | 0.285%  |
| 37 | 12.425 | 886  | 887  | 890 rVV   | 16505  | 29035   | 2.31%   | 0.250%  |
| 38 | 12.482 | 890  | 892  | 896 rVB2  | 29278  | 31095   | 2.47%   | 0.268%  |
| 39 | 12.551 | 896  | 898  | 901 rBV   | 419351 | 406280  | 32.34%  | 3.504%  |
| 40 | 12.653 | 905  | 907  | 909 rBV   | 17267  | 21226   | 1.69%   | 0.183%  |
| 41 | 12.699 | 909  | 911  | 915 rVB4  | 9470   | 19720   | 1.57%   | 0.170%  |
| 42 | 12.779 | 915  | 918  | 921 rBV   | 414499 | 438897  | 34.93%  | 3.785%  |
| 43 | 12.836 | 921  | 923  | 925 rVB2  | 14022  | 20748   | 1.65%   | 0.179%  |
| 44 | 12.928 | 927  | 931  | 935 rVB4  | 40861  | 86787   | 6.91%   | 0.748%  |
| 45 | 12.996 | 935  | 937  | 943 rBV   | 25562  | 58014   | 4.62%   | 0.500%  |
| 46 | 13.111 | 943  | 947  | 949 rBV   | 55049  | 76670   | 6.10%   | 0.661%  |
| 47 | 13.179 | 949  | 953  | 954 rBV2  | 37935  | 55865   | 4.45%   | 0.482%  |
| 48 | 13.213 | 954  | 956  | 957 rBV   | 45576  | 44819   | 3.57%   | 0.387%  |
| 49 | 13.305 | 962  | 964  | 965 rVB   | 25539  | 18610   | 1.48%   | 0.160%  |
| 50 | 13.339 | 965  | 967  | 969 rVB   | 21521  | 21131   | 1.68%   | 0.182%  |
| 51 | 13.396 | 971  | 972  | 974 rBV2  | 10261  | 13361   | 1.06%   | 0.115%  |
| 52 | 13.499 | 978  | 981  | 983 rBV3  | 21263  | 29188   | 2.32%   | 0.252%  |
| 53 | 13.614 | 988  | 991  | 994 rBV2  | 39782  | 56827   | 4.52%   | 0.490%  |
| 54 | 13.728 | 998  | 1001 | 1002 rBV  | 47607  | 55954   | 4.45%   | 0.483%  |
| 55 | 13.774 | 1004 | 1005 | 1008 rVB3 | 16153  | 23787   | 1.89%   | 0.205%  |
| 56 | 13.831 | 1008 | 1010 | 1015 rVB2 | 96100  | 141890  | 11.29%  | 1.224%  |
| 57 | 13.979 | 1019 | 1023 | 1029 rBV2 | 820298 | 1256454 | 100.00% | 10.835% |
| 58 | 14.082 | 1029 | 1032 | 1033 rBV2 | 51392  | 59554   | 4.74%   | 0.514%  |
| 59 | 14.139 | 1035 | 1037 | 1041 rBV2 | 39854  | 64362   | 5.12%   | 0.555%  |
| 60 | 14.208 | 1041 | 1043 | 1044 rVB2 | 17621  | 20189   | 1.61%   | 0.174%  |
| 61 | 14.368 | 1052 | 1057 | 1058 rBV  | 38481  | 72981   | 5.81%   | 0.629%  |
| 62 | 14.402 | 1058 | 1060 | 1062 rBV3 | 21166  | 27608   | 2.20%   | 0.238%  |
| 63 | 14.448 | 1062 | 1064 | 1066 rBV3 | 72076  | 108306  | 8.62%   | 0.934%  |
| 64 | 14.688 | 1081 | 1085 | 1088 rBV4 | 28079  | 62669   | 4.99%   | 0.540%  |
| 65 | 14.745 | 1088 | 1090 | 1091 rVV  | 54337  | 55351   | 4.41%   | 0.477%  |
| 66 | 14.882 | 1100 | 1102 | 1104 rBV  | 176505 | 188675  | 15.02%  | 1.627%  |
| 67 | 14.997 | 1109 | 1112 | 1116 rBV  | 198278 | 399493  | 31.80%  | 3.445%  |
| 68 | 15.065 | 1116 | 1118 | 1119 rVV  | 146912 | 182750  | 14.54%  | 1.576%  |
| 69 | 15.099 | 1119 | 1121 | 1126 rVB2 | 75456  | 151313  | 12.04%  | 1.305%  |
| 70 | 15.282 | 1134 | 1137 | 1140 rVB  | 94669  | 134673  | 10.72%  | 1.161%  |
| 71 | 15.339 | 1140 | 1142 | 1144 rVV  | 147773 | 177801  | 14.15%  | 1.533%  |

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 ClientSampleId :  
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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

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 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 15.397 | 1144 | 1147 | 1154 | rVB  | 481662 | 718600 | 57.19% | 6.197% |
| 73 | 15.602 | 1163 | 1165 | 1168 | rVB3 | 32336  | 56546  | 4.50%  | 0.488% |
| 74 | 15.831 | 1181 | 1185 | 1189 | rBV  | 431048 | 674018 | 53.64% | 5.813% |
| 75 | 15.888 | 1189 | 1190 | 1192 | rVV2 | 16955  | 27782  | 2.21%  | 0.240% |
| 76 | 15.934 | 1192 | 1194 | 1196 | rVV  | 27316  | 50832  | 4.05%  | 0.438% |
| 77 | 15.979 | 1196 | 1198 | 1202 | rVV3 | 19287  | 38031  | 3.03%  | 0.328% |
| 78 | 16.071 | 1202 | 1206 | 1212 | rVB7 | 24582  | 71437  | 5.69%  | 0.616% |
| 79 | 16.300 | 1223 | 1226 | 1230 | rBV2 | 53245  | 99015  | 7.88%  | 0.854% |
| 80 | 16.574 | 1246 | 1250 | 1253 | rBV4 | 28148  | 67971  | 5.41%  | 0.586% |
| 81 | 16.631 | 1253 | 1255 | 1258 | rVB2 | 11800  | 25128  | 2.00%  | 0.217% |
| 82 | 16.780 | 1265 | 1268 | 1271 | rBV2 | 52862  | 113012 | 8.99%  | 0.975% |
| 83 | 16.848 | 1271 | 1274 | 1279 | rVB  | 118859 | 249402 | 19.85% | 2.151% |
| 84 | 16.951 | 1280 | 1283 | 1285 | rBV  | 10820  | 24030  | 1.91%  | 0.207% |
| 85 | 17.008 | 1285 | 1288 | 1292 | rVV4 | 14289  | 40031  | 3.19%  | 0.345% |
| 86 | 17.191 | 1301 | 1304 | 1312 | rVB  | 39600  | 98043  | 7.80%  | 0.845% |
| 87 | 17.328 | 1313 | 1316 | 1321 | rVV6 | 24464  | 69391  | 5.52%  | 0.598% |
| 88 | 17.500 | 1327 | 1331 | 1339 | rVB  | 30793  | 93741  | 7.46%  | 0.808% |
| 89 | 17.683 | 1344 | 1347 | 1351 | rVB4 | 14464  | 38318  | 3.05%  | 0.330% |
| 90 | 17.900 | 1364 | 1366 | 1370 | rVB4 | 8317   | 16571  | 1.32%  | 0.143% |
| 91 | 18.265 | 1394 | 1398 | 1405 | rVB2 | 43016  | 126332 | 10.05% | 1.089% |
| 92 | 18.528 | 1418 | 1421 | 1427 | rVB4 | 13792  | 38041  | 3.03%  | 0.328% |
| 93 | 19.191 | 1475 | 1479 | 1483 | rBV4 | 10881  | 36834  | 2.93%  | 0.318% |

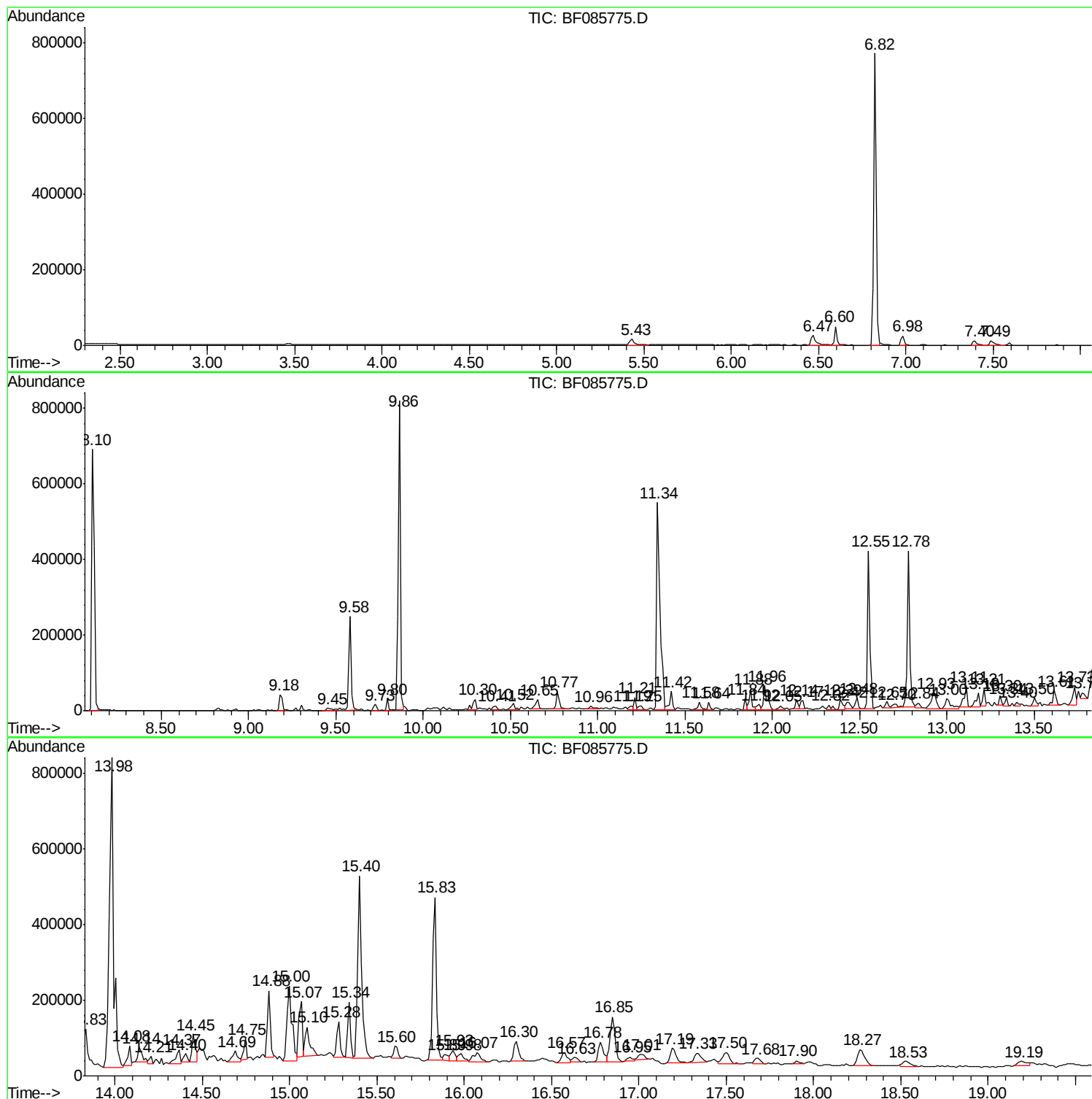
Sum of corrected areas: 11595906

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032516\  
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Sample : H1855-11 2X  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

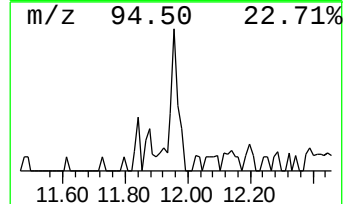
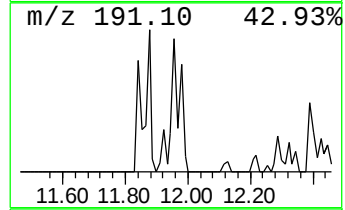
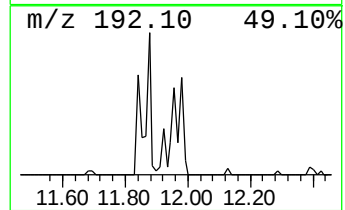
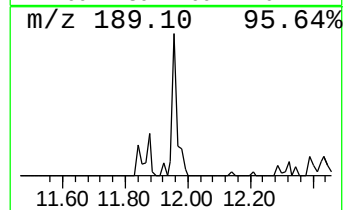
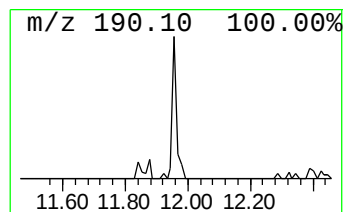
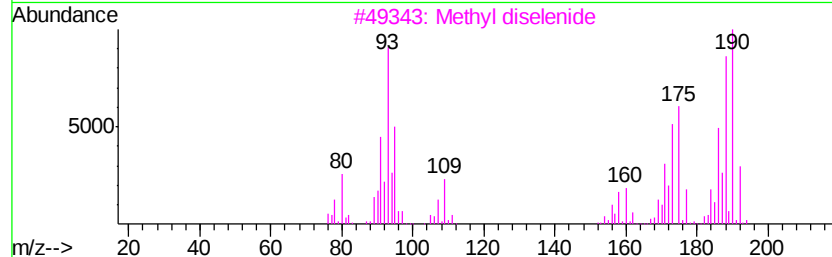
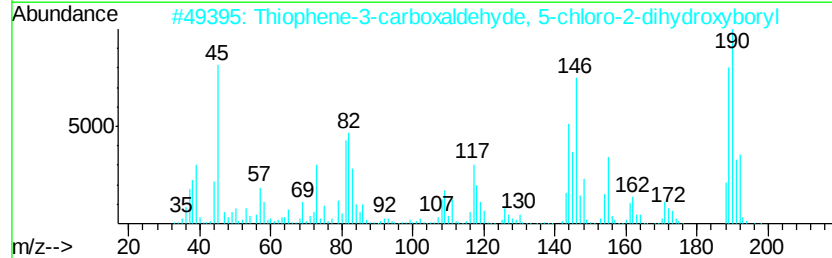
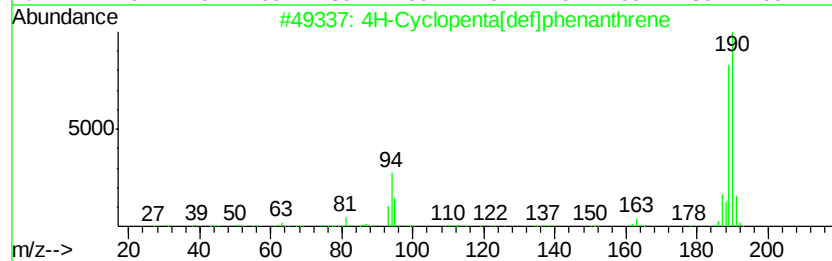
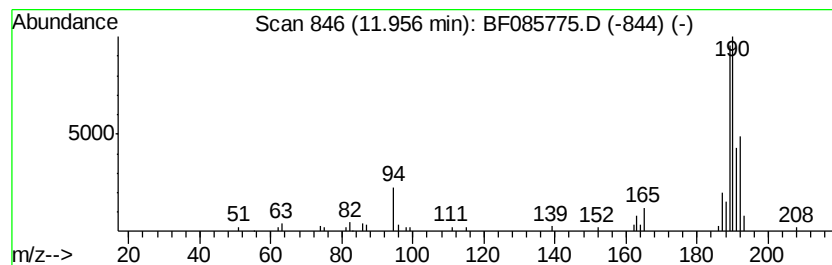
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.96 | 2.17 ng | 88152 | Phenanthrene-d10 | 11.34 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 52   |
| 2    |    | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50   |
| 3    |    | Methyl diselenide                   | 190 | C2H6Se2    | 007101-31-7 | 41   |
| 4    |    | 6H-Cyclobuta[flk]phenanthrene       | 190 | C15H10     | 083469-43-6 | 40   |
| 5    |    | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4   | 069286-06-2 | 28   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

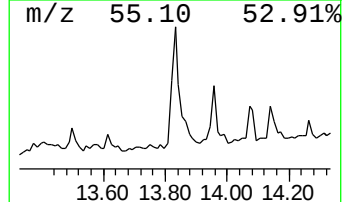
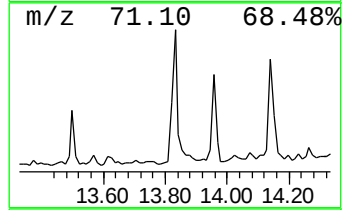
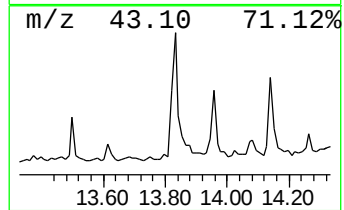
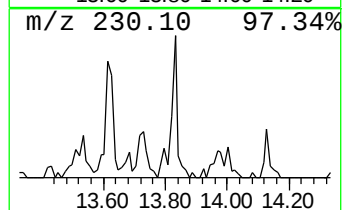
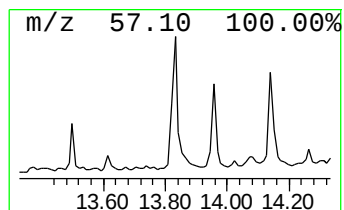
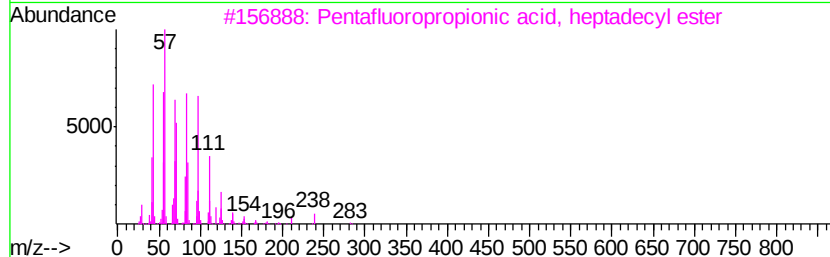
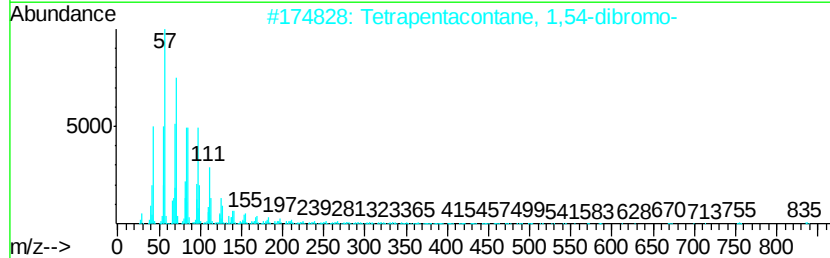
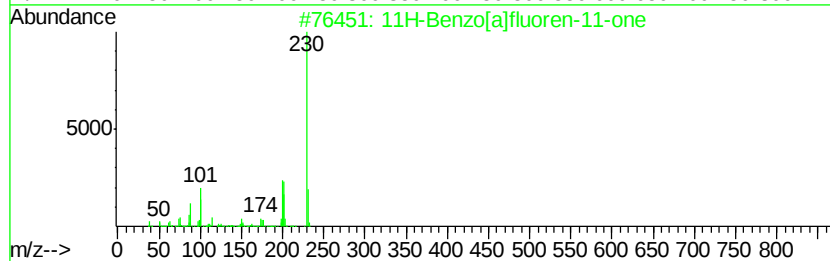
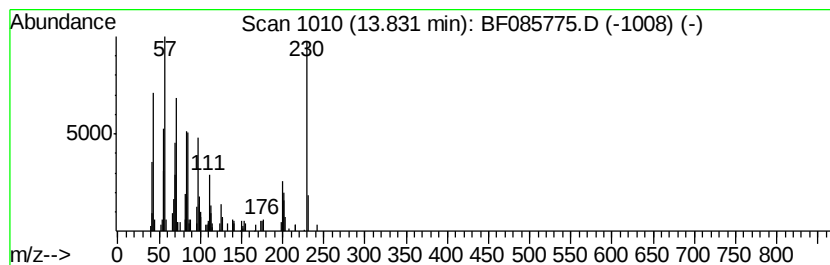
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 11H-Benzo[a]fluoren-11-one Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.83 | 2.26 ng | 141890 | Chrysene-d12     | 13.98 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | 11H-Benzo[a]fluoren-11-one          | 230 | C17H10O     | 000479-79-8  | 81   |
| 2       |   | Tetrapentacontane, 1,54-dibromo-    | 915 | C54H108Br2  | 1000156-09-4 | 49   |
| 3       |   | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 1000283-04-2 | 46   |
| 4       |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 46   |
| 5       |   | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 42   |



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ALS Vial : 61 Sample Multiplier: 1

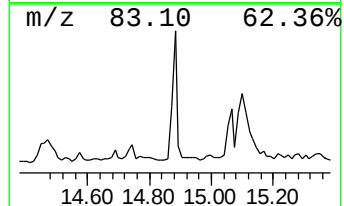
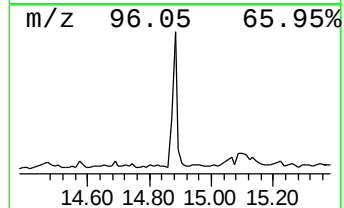
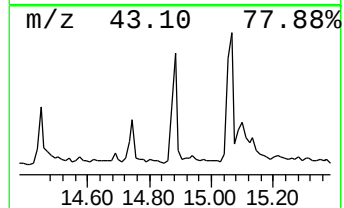
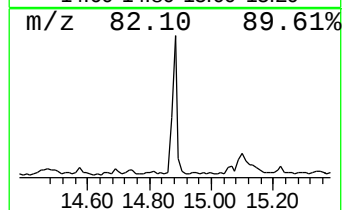
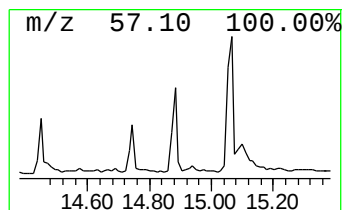
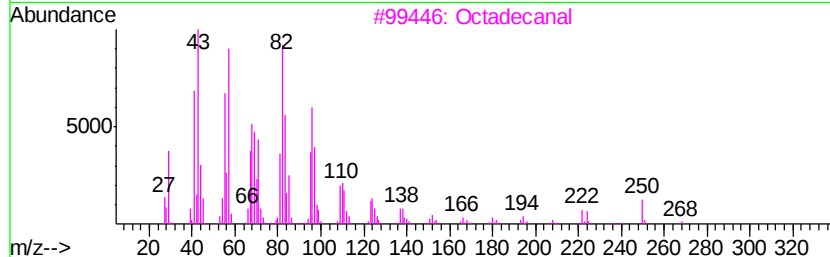
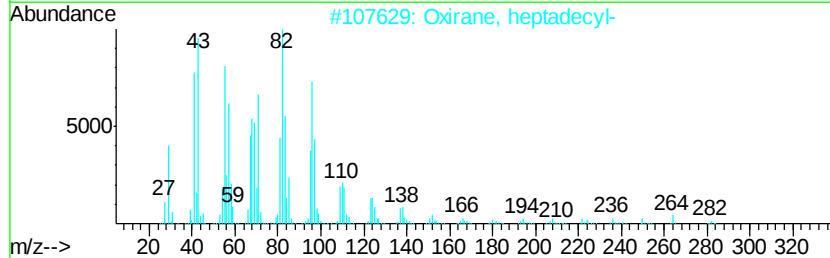
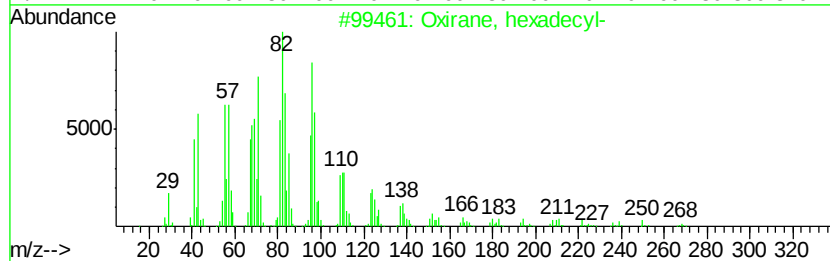
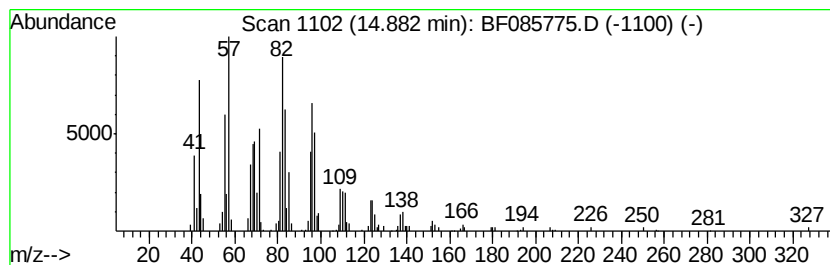
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ClientSampleId :  
SB-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.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 3 Oxirane, hexadecyl- Concentration Rank 3

| R.T.    | EstConc              | Area         | Relative to ISTD | R.T.      |
|---------|----------------------|--------------|------------------|-----------|
| 14.88   | 5.25 ng              | 188675       | Perylene-d12     | 15.40     |
| Hit# of | 5                    | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Oxirane, hexadecyl-  | 268 C18H36O  | 007390-81-0      | 94        |
| 2       | Oxirane, heptadecyl- | 282 C19H38O  | 067860-04-2      | 91        |
| 3       | Octadecanal          | 268 C18H36O  | 000638-66-4      | 91        |
| 4       | 1,13-Tetradecadiene  | 194 C14H26   | 021964-49-8      | 83        |
| 5       | 10-Octadecenal       | 266 C18H34O  | 056554-92-8      | 80        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
Data File : BF085775.D  
Acq On : 25 Mar 2016 21:44  
Operator : UM/SJ  
Sample : H1855-11 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-7

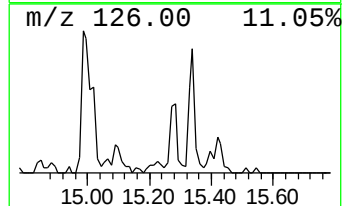
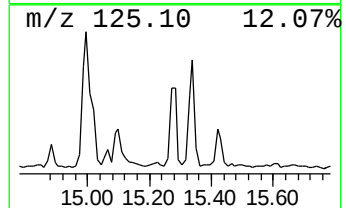
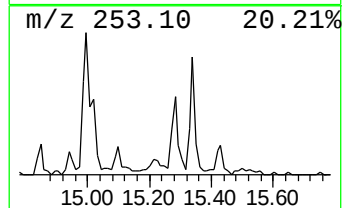
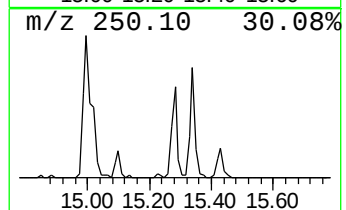
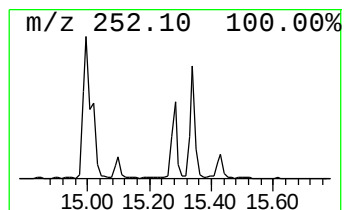
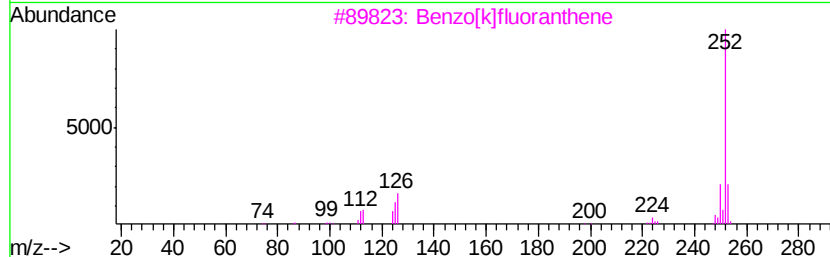
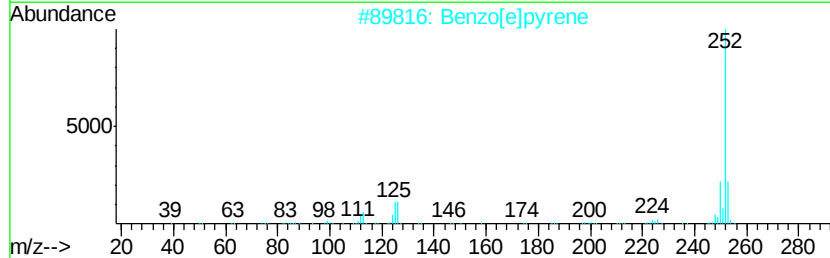
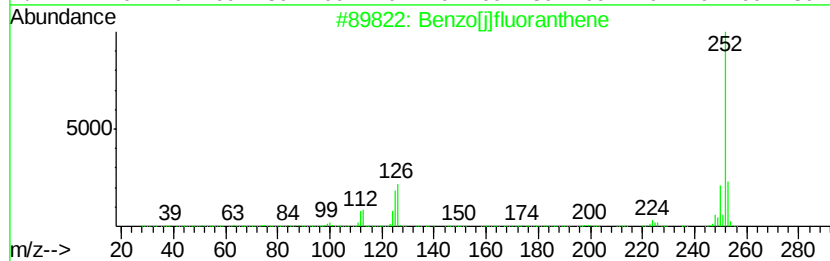
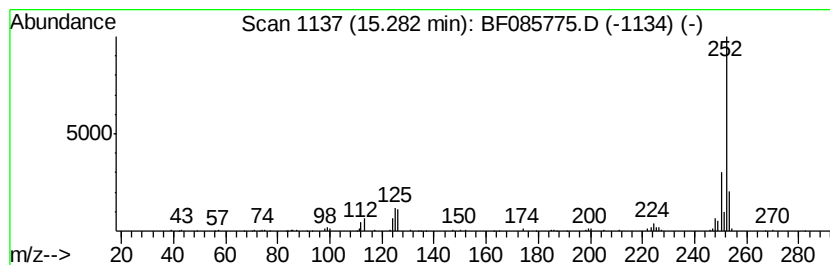
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzo[j]fluoranthene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.28 | 3.75 ng | 134673 | Perylene-d12     | 15.40 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[i]fluoranthene      | 252 | C20H12  | 000205-82-3 | 95   |
| 2    |    | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 94   |
| 3    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 93   |
| 4    |    | Benzo[a]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 91   |
| 5    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
Data File : BF085775.D  
Acq On : 25 Mar 2016 21:44  
Operator : UM/SJ  
Sample : H1855-11 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-7

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

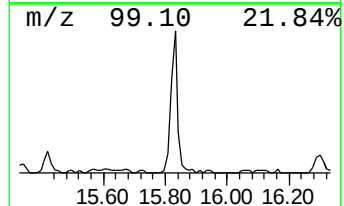
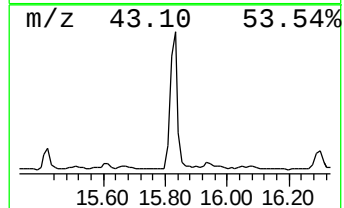
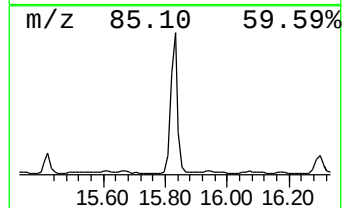
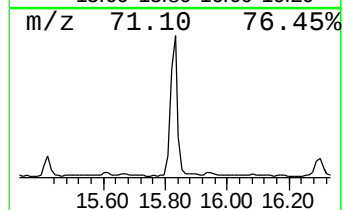
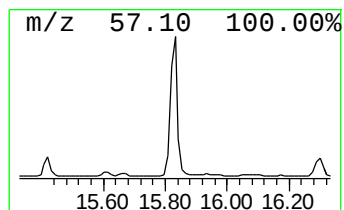
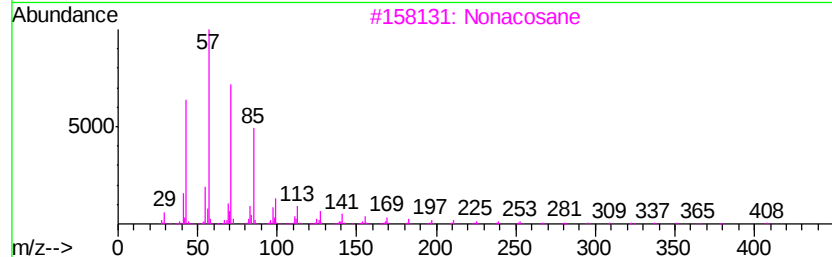
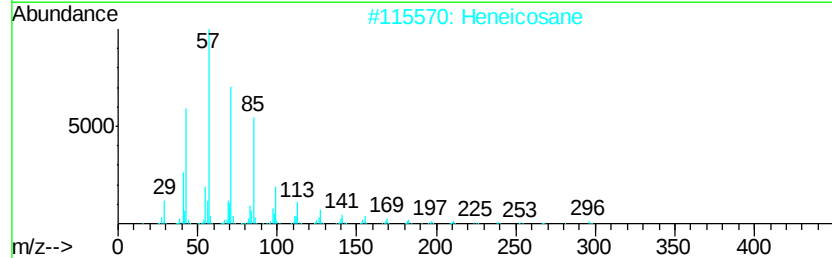
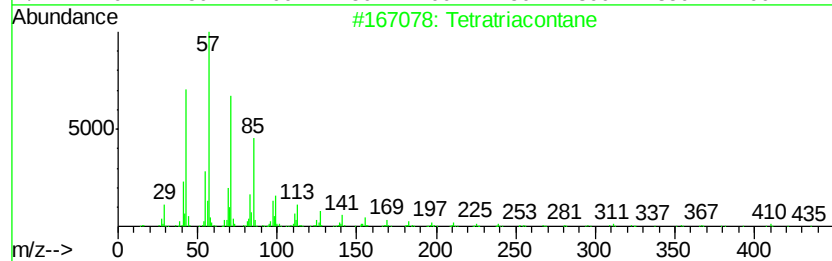
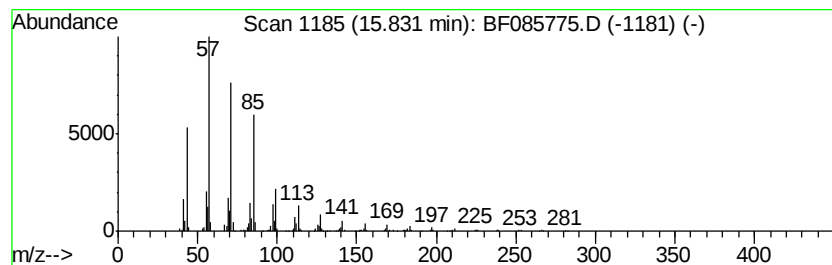
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tetratriacontane Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.83 | 18.76 ng | 674018 | Perylene-d12     | 15.40 |

| Hit# of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------|-----|---------|-------------|------|
| 1       |   | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 91   |
| 2       |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3       |   | Nonacosane            | 408 | C29H60  | 000630-03-5 | 91   |
| 4       |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5       |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032516\  
Data File : BF085775.D  
Acq On : 25 Mar 2016 21:44  
Operator : UM/SJ  
Sample : H1855-11 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

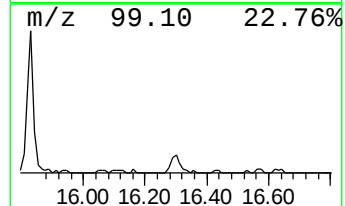
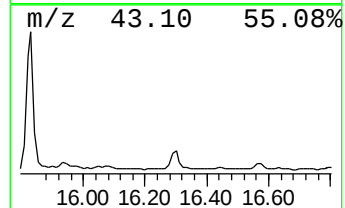
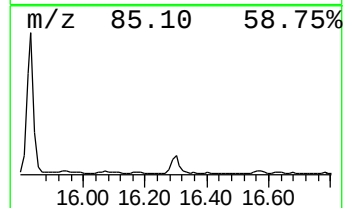
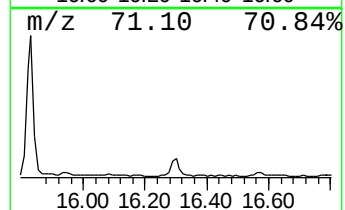
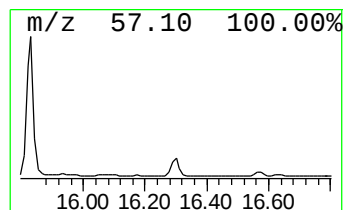
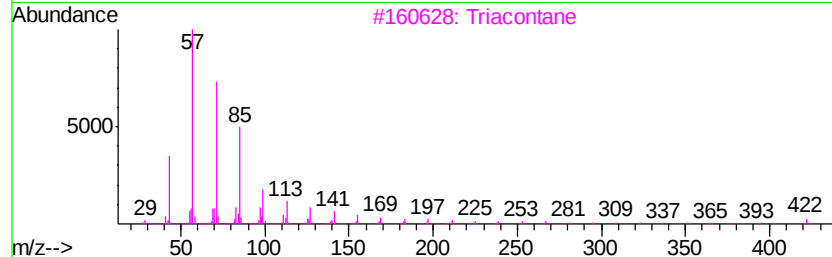
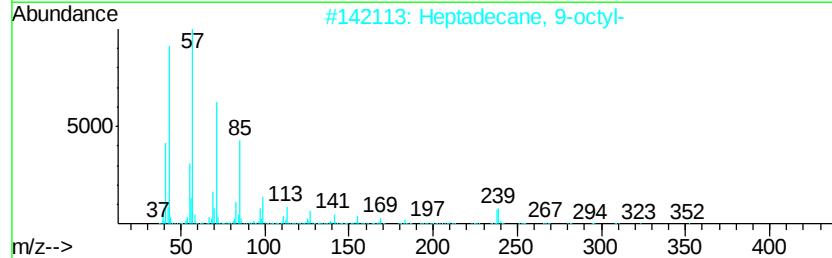
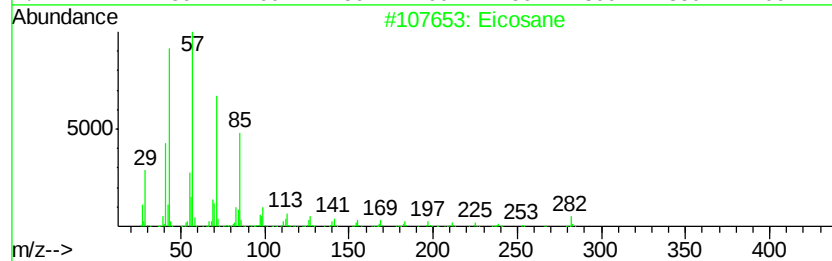
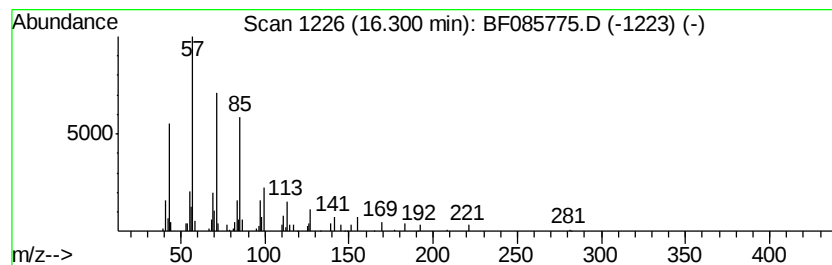
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ClientSampleId :  
SB-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.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 Eicosane Concentration Rank 7

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 16.30   | 2.76 ng               | 99015        | Perylene-d12     | 15.40     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane              | 282 C20H42   | 000112-95-8      | 91        |
| 2       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 91        |
| 3       | Triacotane            | 422 C30H62   | 000638-68-6      | 91        |
| 4       | Octacosane            | 394 C28H58   | 000630-02-4      | 91        |
| 5       | Pentacosane           | 352 C25H52   | 000629-99-2      | 91        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
Data File : BF085775.D  
Acq On : 25 Mar 2016 21:44  
Operator : UM/SJ  
Sample : H1855-11 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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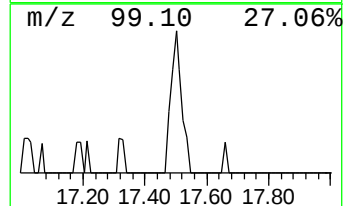
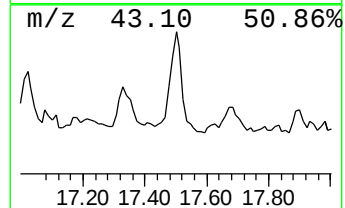
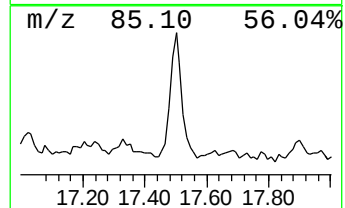
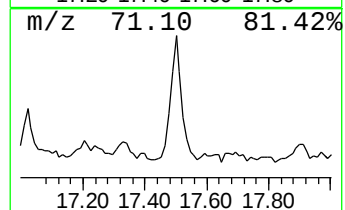
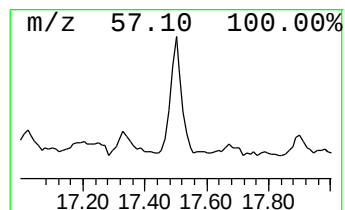
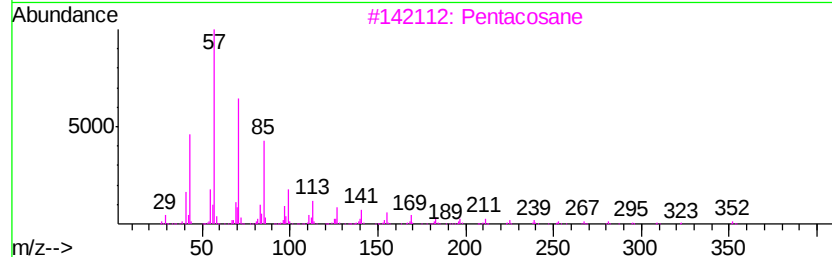
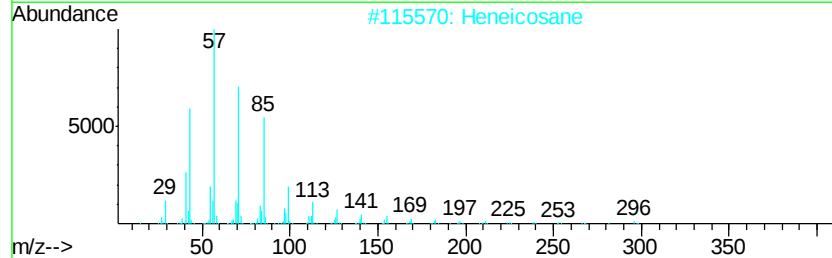
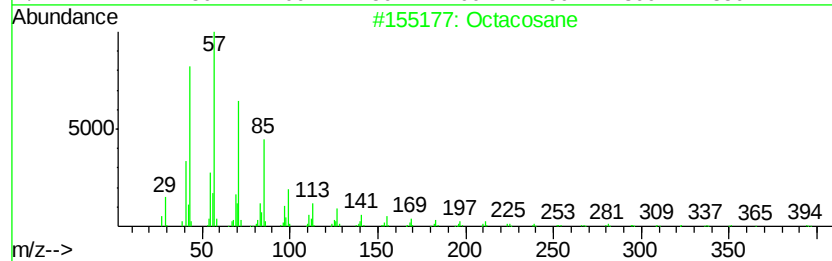
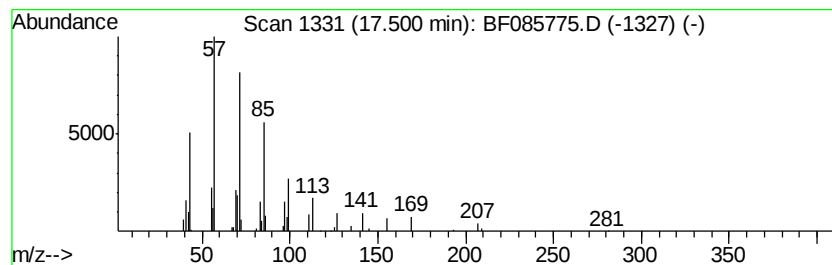
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octacosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.50 | 2.61 ng | 93741 | Perylene-d12     | 15.40 |

| Hit# of | 5                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------|--------------|-----|---------|-------------|------|
| 1       | Octacosane       |              | 394 | C28H58  | 000630-02-4 | 91   |
| 2       | Heneicosane      |              | 296 | C21H44  | 000629-94-7 | 90   |
| 3       | Pentacosane      |              | 352 | C25H52  | 000629-99-2 | 87   |
| 4       | Hexacosane       |              | 366 | C26H54  | 000630-01-3 | 87   |
| 5       | Tetratriacontane |              | 479 | C34H70  | 014167-59-0 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032516\  
Data File : BF085775.D  
Acq On : 25 Mar 2016 21:44  
Operator : UM/SJ  
Sample : H1855-11 2X  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

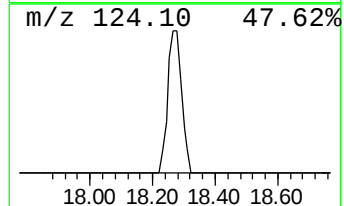
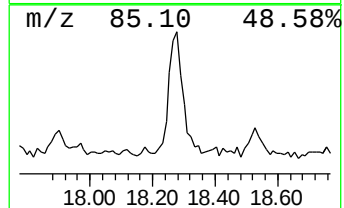
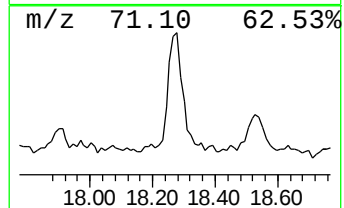
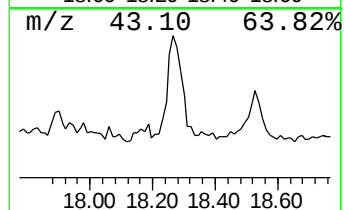
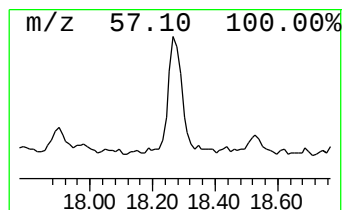
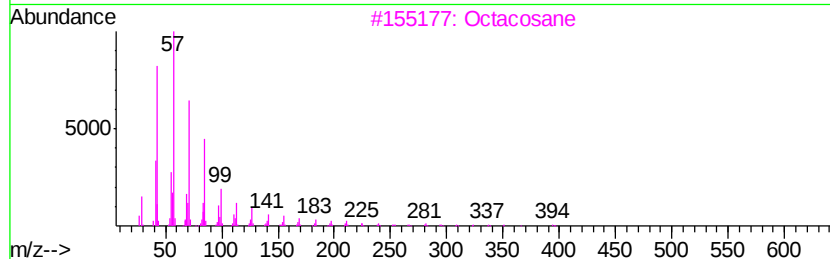
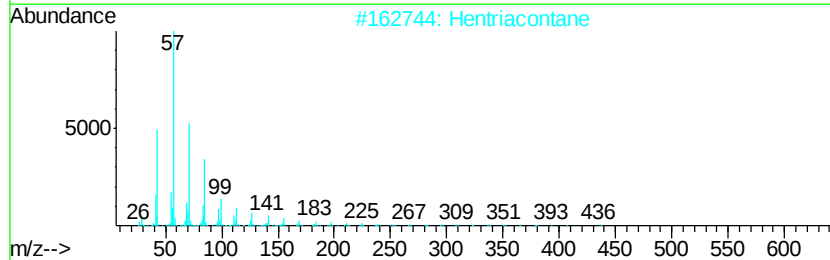
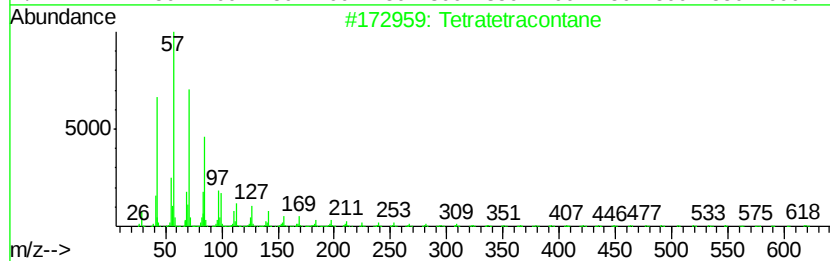
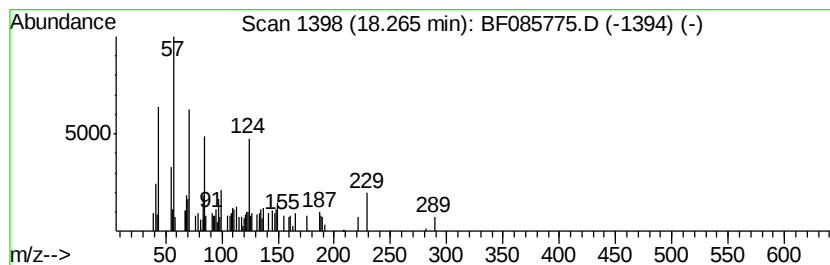
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetratetracontane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.27 | 3.52 ng | 126332 | Perylene-d12     | 15.40 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 45   |
| 2    |    |   | Hentriacontane    | 437 | C31H64  | 000630-04-6 | 43   |
| 3    |    |   | Octacosane        | 394 | C28H58  | 000630-02-4 | 43   |
| 4    |    |   | Hexatriacontane   | 507 | C36H74  | 000630-06-8 | 43   |
| 5    |    |   | Pentacosane       | 352 | C25H52  | 000629-99-2 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032516\  
 Data File : BF085775.D  
 Acq On : 25 Mar 2016 21:44  
 Operator : UM/SJ  
 Sample : H1855-11 2X  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.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 |
| 4H-Cyclopenta[def... | 11.96 | 2.2     | ng    | 88152    | 4                     | 11.34 | 813517  | 20.0 |
| 11H-Benzo[a]fluor... | 13.83 | 2.3     | ng    | 141890   | 5                     | 13.98 | 1256450 | 20.0 |
| Oxirane, hexadecyl-  | 14.88 | 5.3     | ng    | 188675   | 6                     | 15.40 | 718600  | 20.0 |
| Benzo[j]fluoranthene | 15.28 | 3.8     | ng    | 134673   | 6                     | 15.40 | 718600  | 20.0 |
| Tetratriacontane     | 15.83 | 18.8    | ng    | 674018   | 6                     | 15.40 | 718600  | 20.0 |
| Eicosane             | 16.30 | 2.8     | ng    | 99015    | 6                     | 15.40 | 718600  | 20.0 |
| Octacosane           | 17.50 | 2.6     | ng    | 93741    | 6                     | 15.40 | 718600  | 20.0 |
| Tetratetracontane    | 18.27 | 3.5     | ng    | 126332   | 6                     | 15.40 | 718600  | 20.0 |