

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
 Data File : BF082456.D  
 Acq On : 22 Oct 2015 20:32  
 Operator : UM/IZ  
 Sample : G4087-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-03-16-16.5

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-BF101015.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         | 4.937       | 241           | 245         | 255          | rBV      | 1024435        | 1640072       | 34.14%          | 2.794%        |
| 2         | 5.372       | 280           | 283         | 285          | rBV      | 2515243        | 2709114       | 56.40%          | 4.616%        |
| 3         | 6.423       | 371           | 375         | 377          | rBV      | 1932355        | 2834959       | 59.02%          | 4.830%        |
| 4         | 6.537       | 382           | 385         | 387          | rBV      | 2578278        | 2898198       | 60.34%          | 4.938%        |
| 5         | 6.755       | 402           | 404         | 407          | rBV      | 550145         | 645131        | 13.43%          | 1.099%        |
| 6         | 6.915       | 416           | 418         | 421          | rBV      | 2309348        | 2100473       | 43.73%          | 3.579%        |
| 7         | 7.337       | 452           | 455         | 457          | rBV      | 1601555        | 1799636       | 37.47%          | 3.066%        |
| 8         | 8.046       | 515           | 517         | 522          | rBV2     | 901348         | 1164484       | 24.24%          | 1.984%        |
| 9         | 8.766       | 577           | 580         | 582          | rBV      | 227770         | 207913        | 4.33%           | 0.354%        |
| 10        | 8.858       | 586           | 588         | 591          | rBV      | 169293         | 190168        | 3.96%           | 0.324%        |
| 11        | 9.132       | 609           | 612         | 614          | rBV      | 3173344        | 3027470       | 63.03%          | 5.158%        |
| 12        | 9.235       | 618           | 621         | 624          | rVV2     | 60484          | 89333         | 1.86%           | 0.152%        |
| 13        | 9.395       | 632           | 635         | 639          | rVV      | 75112          | 106684        | 2.22%           | 0.182%        |
| 14        | 9.463       | 639           | 641         | 642          | rVV      | 174280         | 166323        | 3.46%           | 0.283%        |
| 15        | 9.486       | 642           | 643         | 645          | rVV      | 67922          | 89242         | 1.86%           | 0.152%        |
| 16        | 9.532       | 645           | 647         | 649          | rVV      | 797429         | 684496        | 14.25%          | 1.166%        |
| 17        | 9.578       | 649           | 651         | 656          | rVV      | 79341          | 117372        | 2.44%           | 0.200%        |
| 18        | 9.806       | 668           | 671         | 673          | rBV      | 1216765        | 1193327       | 24.84%          | 2.033%        |
| 19        | 9.841       | 673           | 674         | 676          | rVV      | 422431         | 317154        | 6.60%           | 0.540%        |
| 20        | 9.966       | 682           | 685         | 687          | rBV2     | 45091          | 74127         | 1.54%           | 0.126%        |
| 21        | 10.012      | 687           | 689         | 691          | rVV      | 298438         | 279564        | 5.82%           | 0.476%        |
| 22        | 10.206      | 704           | 706         | 707          | rBV      | 48004          | 66896         | 1.39%           | 0.114%        |
| 23        | 10.355      | 716           | 719         | 721          | rBV      | 539488         | 480858        | 10.01%          | 0.819%        |
| 24        | 10.435      | 721           | 726         | 728          | rBV3     | 69229          | 172739        | 3.60%           | 0.294%        |
| 25        | 10.515      | 731           | 733         | 735          | rVB      | 82606          | 102052        | 2.12%           | 0.174%        |
| 26        | 10.606      | 738           | 741         | 743          | rBV      | 1608139        | 2045165       | 42.58%          | 3.484%        |
| 27        | 10.709      | 748           | 750         | 754          | rVB4     | 65430          | 113614        | 2.37%           | 0.194%        |
| 28        | 10.904      | 763           | 767         | 768          | rBV      | 124126         | 177013        | 3.69%           | 0.302%        |
| 29        | 10.926      | 768           | 769         | 771          | rVV2     | 82224          | 75619         | 1.57%           | 0.129%        |
| 30        | 10.984      | 771           | 774         | 776          | rVB2     | 57463          | 75622         | 1.57%           | 0.129%        |
| 31        | 11.052      | 776           | 780         | 783          | rBV2     | 57306          | 111116        | 2.31%           | 0.189%        |
| 32        | 11.098      | 783           | 784         | 786          | rVB      | 89775          | 103008        | 2.14%           | 0.175%        |
| 33        | 11.155      | 786           | 789         | 790          | rBV2     | 67696          | 106268        | 2.21%           | 0.181%        |
| 34        | 11.189      | 790           | 792         | 796          | rVB      | 277566         | 270544        | 5.63%           | 0.461%        |

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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-BF101015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.326 | 799  | 804  | 806  | rBV2 | 3566315 | 4803459 | 100.00% | 8.184% |
| 36 | 11.372 | 806  | 808  | 810  | rVV  | 1075224 | 948754  | 19.75%  | 1.616% |
| 37 | 11.406 | 810  | 811  | 814  | rVV  | 65051   | 69695   | 1.45%   | 0.119% |
| 38 | 11.532 | 818  | 822  | 825  | rBV  | 323059  | 477932  | 9.95%   | 0.814% |
| 39 | 11.589 | 825  | 827  | 828  | rVV  | 118428  | 94073   | 1.96%   | 0.160% |
| 40 | 11.624 | 828  | 830  | 833  | rVB2 | 103970  | 127463  | 2.65%   | 0.217% |
| 41 | 11.704 | 835  | 837  | 839  | rVB2 | 64790   | 87119   | 1.81%   | 0.148% |
| 42 | 11.795 | 843  | 845  | 846  | rBV  | 599448  | 543328  | 11.31%  | 0.926% |
| 43 | 11.829 | 846  | 848  | 850  | rVV  | 833919  | 926910  | 19.30%  | 1.579% |
| 44 | 11.875 | 850  | 852  | 853  | rVV  | 210845  | 216103  | 4.50%   | 0.368% |
| 45 | 11.909 | 853  | 855  | 859  | rVB2 | 786705  | 1192539 | 24.83%  | 2.032% |
| 46 | 11.989 | 859  | 862  | 864  | rBV2 | 34447   | 73947   | 1.54%   | 0.126% |
| 47 | 12.092 | 867  | 871  | 872  | rBV  | 349424  | 367873  | 7.66%   | 0.627% |
| 48 | 12.127 | 872  | 874  | 876  | rVB  | 160691  | 173788  | 3.62%   | 0.296% |
| 49 | 12.161 | 876  | 877  | 881  | rVB3 | 53507   | 81789   | 1.70%   | 0.139% |
| 50 | 12.241 | 881  | 884  | 885  | rBV2 | 133052  | 168924  | 3.52%   | 0.288% |
| 51 | 12.275 | 885  | 887  | 891  | rVB  | 97061   | 170667  | 3.55%   | 0.291% |
| 52 | 12.344 | 891  | 893  | 895  | rBV  | 460539  | 567182  | 11.81%  | 0.966% |
| 53 | 12.378 | 895  | 896  | 899  | rVV  | 162364  | 270537  | 5.63%   | 0.461% |
| 54 | 12.435 | 899  | 901  | 905  | rVB2 | 165383  | 231060  | 4.81%   | 0.394% |
| 55 | 12.515 | 905  | 908  | 910  | rBV  | 2706427 | 2690961 | 56.02%  | 4.585% |
| 56 | 12.572 | 910  | 913  | 915  | rVB3 | 69832   | 116347  | 2.42%   | 0.198% |
| 57 | 12.618 | 915  | 917  | 918  | rBV2 | 66790   | 71121   | 1.48%   | 0.121% |
| 58 | 12.664 | 918  | 921  | 922  | rVV2 | 93937   | 146468  | 3.05%   | 0.250% |
| 59 | 12.744 | 925  | 928  | 930  | rVV  | 2404961 | 2856033 | 59.46%  | 4.866% |
| 60 | 12.789 | 930  | 932  | 934  | rVB2 | 116570  | 151593  | 3.16%   | 0.258% |
| 61 | 12.892 | 938  | 941  | 943  | rVV  | 3068423 | 3366830 | 70.09%  | 5.736% |
| 62 | 12.961 | 943  | 947  | 949  | rVV2 | 157732  | 214527  | 4.47%   | 0.365% |
| 63 | 13.075 | 953  | 957  | 958  | rVB  | 215486  | 471774  | 9.82%   | 0.804% |
| 64 | 13.132 | 961  | 962  | 964  | rVV  | 176701  | 195338  | 4.07%   | 0.333% |
| 65 | 13.178 | 964  | 966  | 967  | rVV2 | 196381  | 251470  | 5.24%   | 0.428% |
| 66 | 13.269 | 972  | 974  | 975  | rBV  | 139970  | 132765  | 2.76%   | 0.226% |
| 67 | 13.292 | 975  | 976  | 979  | rBV  | 101919  | 156413  | 3.26%   | 0.266% |
| 68 | 13.464 | 986  | 991  | 993  | rBV5 | 60607   | 147115  | 3.06%   | 0.251% |
| 69 | 13.567 | 998  | 1000 | 1001 | rVV  | 41799   | 72441   | 1.51%   | 0.123% |
| 70 | 13.589 | 1001 | 1002 | 1006 | rVV  | 123361  | 161817  | 3.37%   | 0.276% |
| 71 | 13.704 | 1009 | 1012 | 1013 | rVV  | 169708  | 212835  | 4.43%   | 0.363% |

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Instrument :  
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 ClientSampleId :  
 SB15-03-16-16.5

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-BF101015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.727 | 1013 | 1014 | 1015 | rVV  | 177511  | 184902  | 3.85%  | 0.315% |
| 73  | 13.807 | 1019 | 1021 | 1025 | rVV  | 233332  | 318116  | 6.62%  | 0.542% |
| 74  | 13.875 | 1025 | 1027 | 1030 | rVV  | 38449   | 72925   | 1.52%  | 0.124% |
| 75  | 13.967 | 1030 | 1035 | 1036 | rVV2 | 1196175 | 2108450 | 43.89% | 3.592% |
| 76  | 13.990 | 1036 | 1037 | 1040 | rVV  | 605788  | 894505  | 18.62% | 1.524% |
| 77  | 14.081 | 1042 | 1045 | 1046 | rVV2 | 100532  | 162748  | 3.39%  | 0.277% |
| 78  | 14.138 | 1048 | 1050 | 1052 | rVV3 | 46287   | 100450  | 2.09%  | 0.171% |
| 79  | 14.218 | 1055 | 1057 | 1063 | rVB2 | 58679   | 132475  | 2.76%  | 0.226% |
| 80  | 14.332 | 1066 | 1067 | 1069 | rVV2 | 40527   | 74099   | 1.54%  | 0.126% |
| 81  | 14.378 | 1069 | 1071 | 1073 | rVV  | 172382  | 214453  | 4.46%  | 0.365% |
| 82  | 14.412 | 1073 | 1074 | 1076 | rVV  | 95039   | 101663  | 2.12%  | 0.173% |
| 83  | 14.481 | 1076 | 1080 | 1081 | rVV3 | 86064   | 167208  | 3.48%  | 0.285% |
| 84  | 14.515 | 1081 | 1083 | 1087 | rVV3 | 82752   | 181981  | 3.79%  | 0.310% |
| 85  | 14.721 | 1097 | 1101 | 1106 | rBV4 | 41324   | 142598  | 2.97%  | 0.243% |
| 86  | 14.881 | 1113 | 1115 | 1120 | rBV4 | 56625   | 165860  | 3.45%  | 0.283% |
| 87  | 15.053 | 1127 | 1130 | 1135 | rBV  | 570085  | 1139068 | 23.71% | 1.941% |
| 88  | 15.155 | 1137 | 1139 | 1141 | rVB  | 106817  | 119030  | 2.48%  | 0.203% |
| 89  | 15.338 | 1153 | 1155 | 1158 | rBV  | 346180  | 432997  | 9.01%  | 0.738% |
| 90  | 15.407 | 1158 | 1161 | 1163 | rBV  | 416138  | 610169  | 12.70% | 1.040% |
| 91  | 15.464 | 1163 | 1166 | 1167 | rBV  | 574667  | 733855  | 15.28% | 1.250% |
| 92  | 16.527 | 1254 | 1259 | 1267 | rVB9 | 20003   | 99613   | 2.07%  | 0.170% |
| 93  | 16.664 | 1268 | 1271 | 1273 | rBV2 | 27835   | 69405   | 1.44%  | 0.118% |
| 94  | 16.847 | 1284 | 1287 | 1292 | rBV  | 214855  | 399353  | 8.31%  | 0.680% |
| 95  | 17.018 | 1298 | 1302 | 1304 | rBV  | 43198   | 99869   | 2.08%  | 0.170% |
| 96  | 17.258 | 1320 | 1323 | 1331 | rBV  | 163997  | 368573  | 7.67%  | 0.628% |
| 97  | 17.487 | 1340 | 1343 | 1348 | rVB  | 35590   | 80081   | 1.67%  | 0.136% |
| 98  | 19.384 | 1503 | 1509 | 1517 | rBV  | 31564   | 129696  | 2.70%  | 0.221% |
| 99  | 19.567 | 1520 | 1525 | 1529 | rBV2 | 19449   | 71675   | 1.49%  | 0.122% |
| 100 | 20.539 | 1606 | 1610 | 1617 | rVB2 | 20744   | 75006   | 1.56%  | 0.128% |

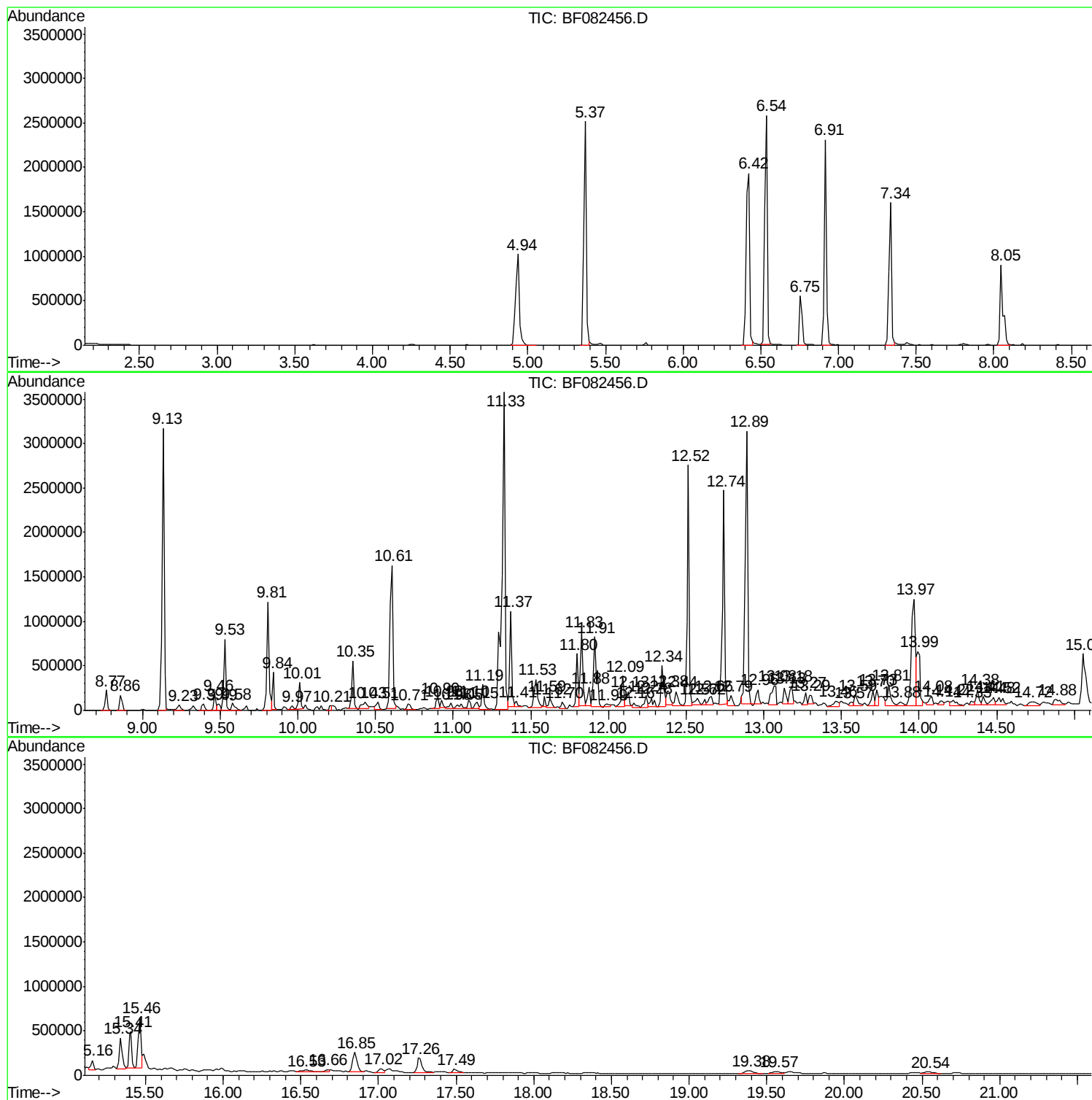
Sum of corrected areas: 58695567

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.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\BF102215\  
Data File : BF082456.D  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

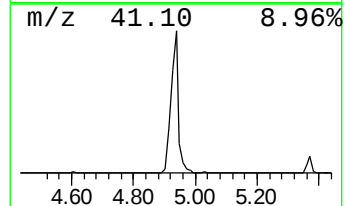
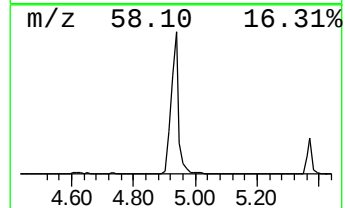
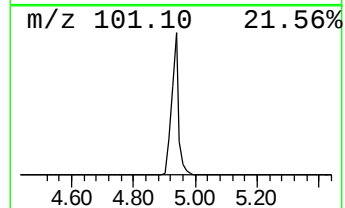
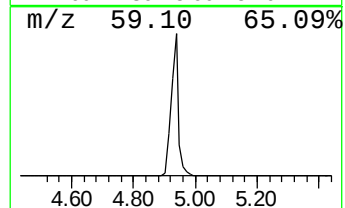
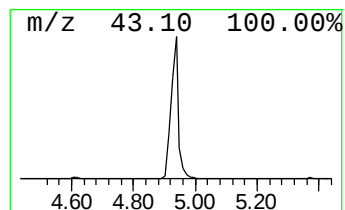
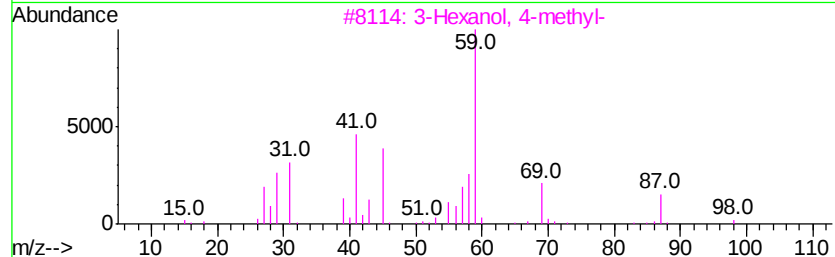
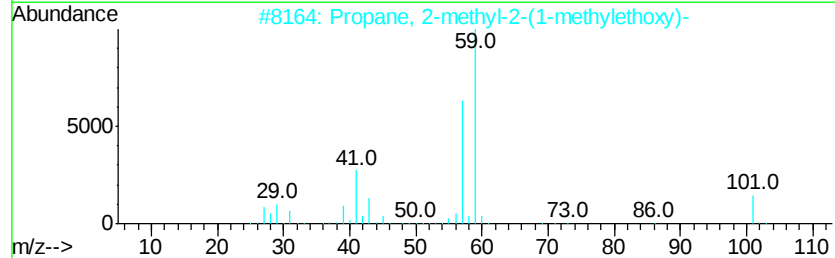
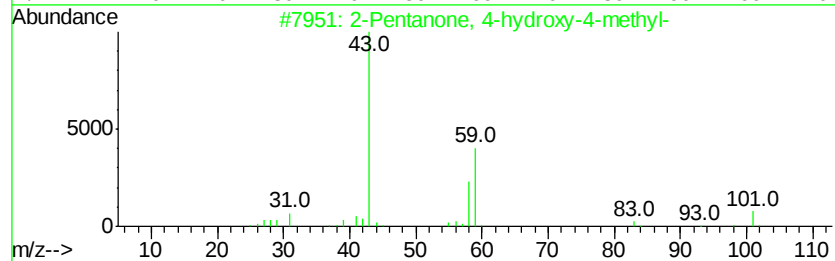
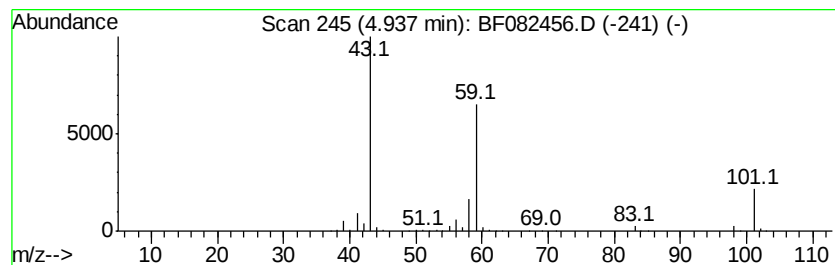
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.94 | 50.84 ng | 1640070 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth...  | 116 | C7H16O   | 017348-59-3 | 53   |
| 3    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 28   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    | Guanidine                            | 59  | CH5N3    | 000113-00-8 | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

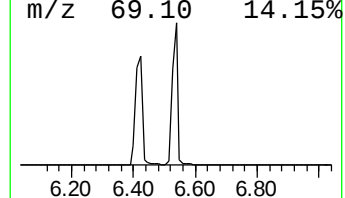
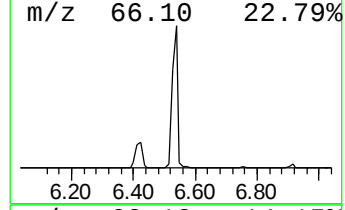
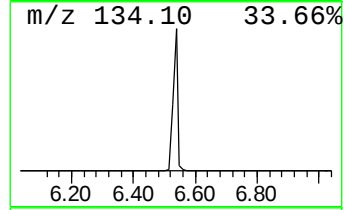
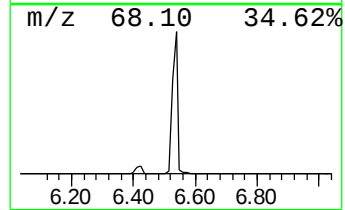
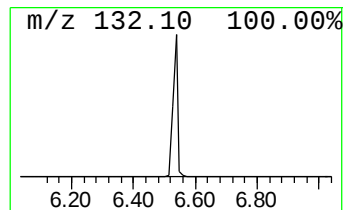
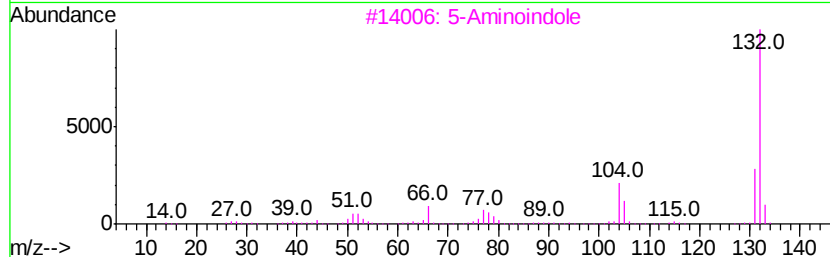
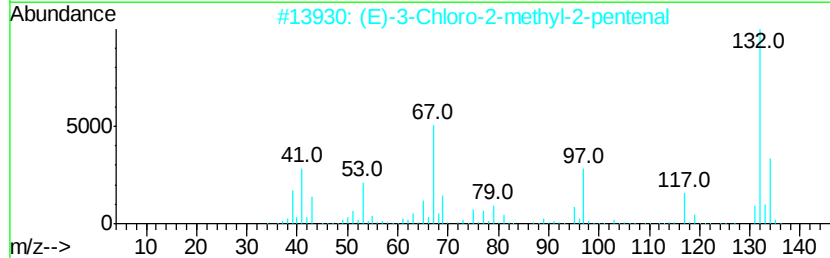
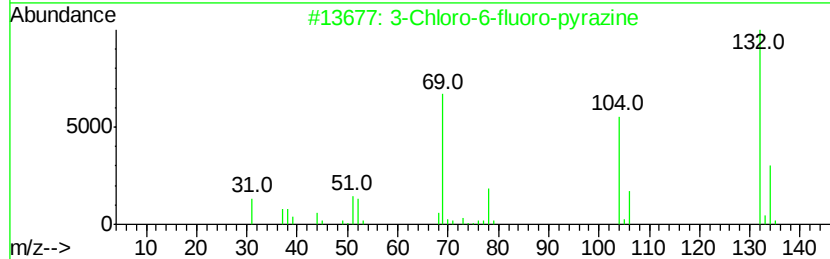
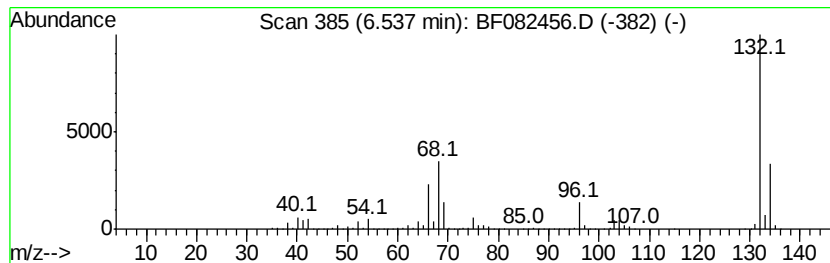
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.54 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.54 | 89.85 ng | 2898200 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |
| 5    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
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Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

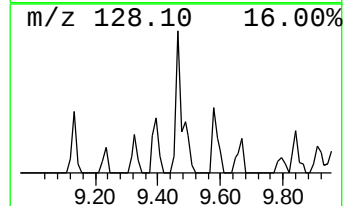
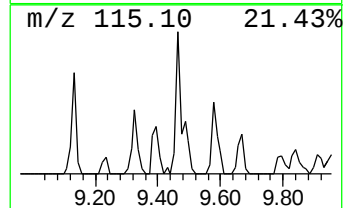
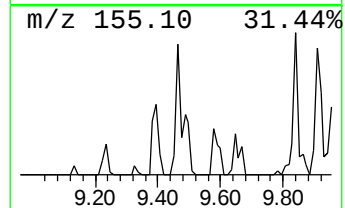
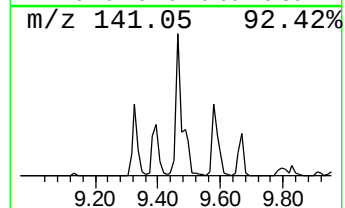
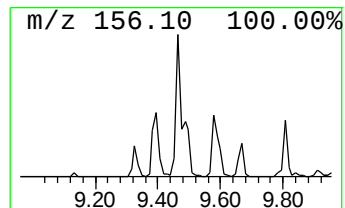
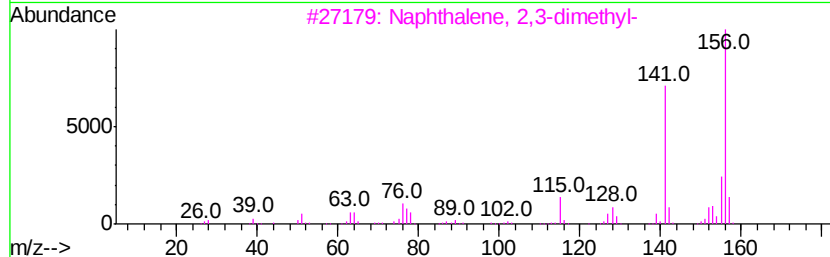
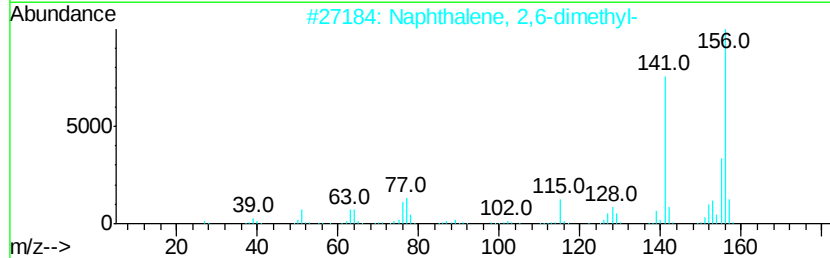
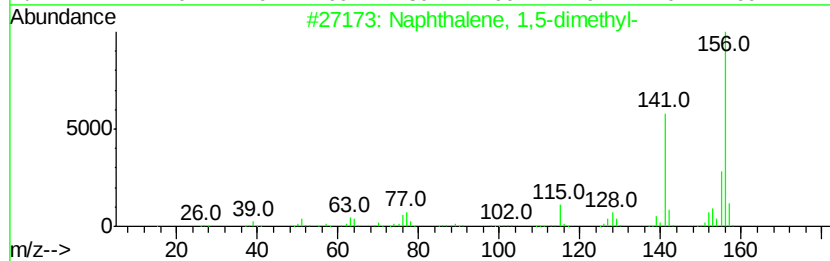
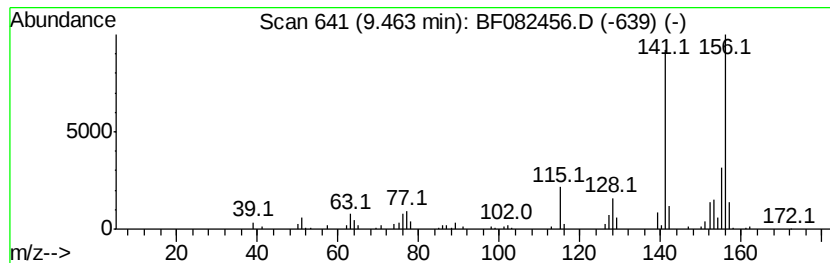
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SB15-03-16-16.5

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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 5 Naphthalene, 1,5-dimethyl- Concentration Rank 15

| R.T.    | EstConc | Area                       | Relative to ISTD | R.T.           |
|---------|---------|----------------------------|------------------|----------------|
| 9.46    | 2.79 ng | 166323                     | Acenaphthene-d10 | 9.81           |
| Hit# of | 5       | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |         | Naphthalene, 1,5-dimethyl- | 156 C12H12       | 000571-61-9 97 |
| 2       |         | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 97 |
| 3       |         | Naphthalene, 2,3-dimethyl- | 156 C12H12       | 000581-40-8 97 |
| 4       |         | Naphthalene, 1,4-dimethyl- | 156 C12H12       | 000571-58-4 96 |
| 5       |         | Naphthalene, 1,3-dimethyl- | 156 C12H12       | 000575-41-7 96 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

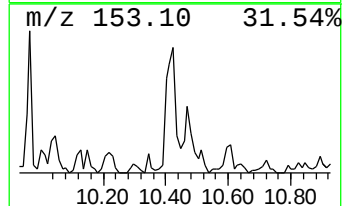
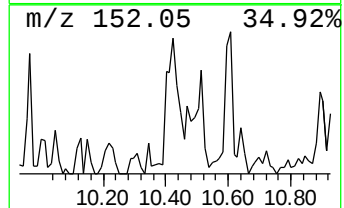
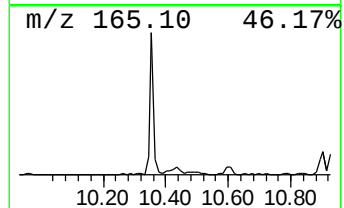
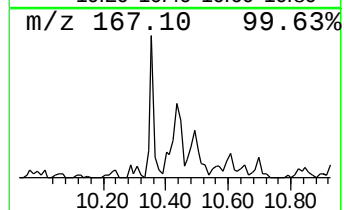
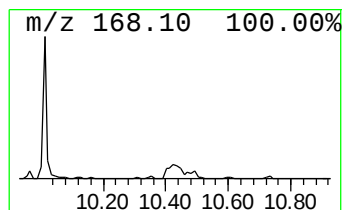
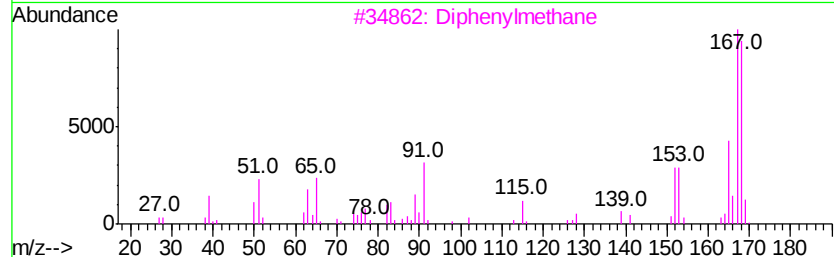
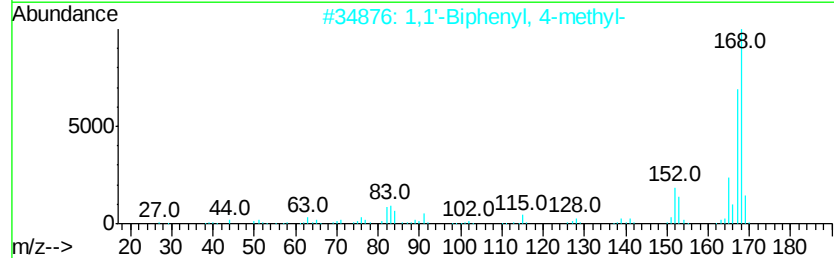
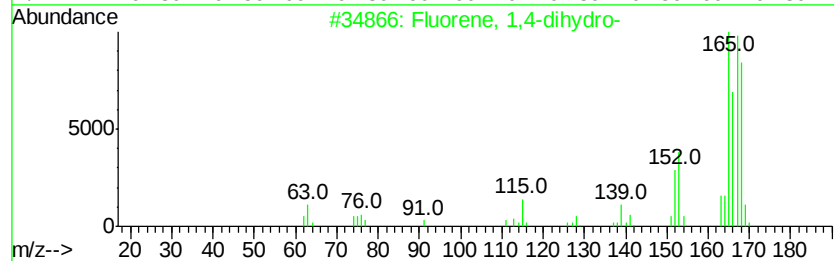
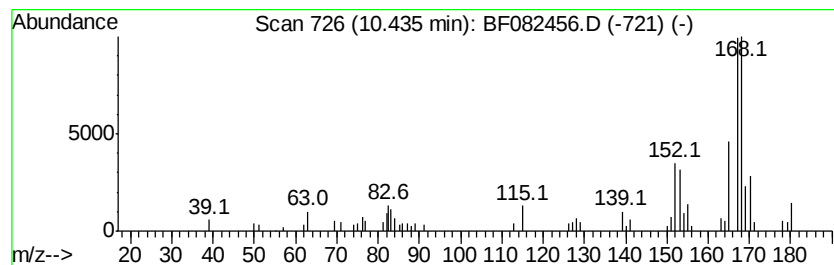
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Fluorene, 1,4-dihydro- Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.43 | 2.90 ng | 172739 | Acenaphthene-d10 | 9.81 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Fluorene, 1,4-dihydro-   | 168 | C13H12  | 041593-21-9 | 95   |
| 2    |    | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12  | 000644-08-6 | 92   |
| 3    |    | Diphenylmethane          | 168 | C13H12  | 000101-81-5 | 70   |
| 4    |    | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12  | 000643-58-3 | 70   |
| 5    |    | Fluorene, 2,4a-dihydro-  | 168 | C13H12  | 059247-36-8 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

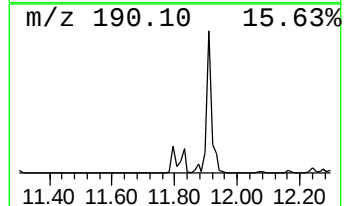
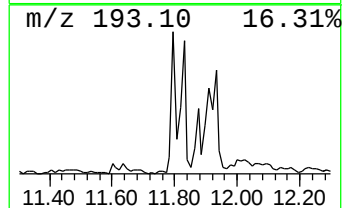
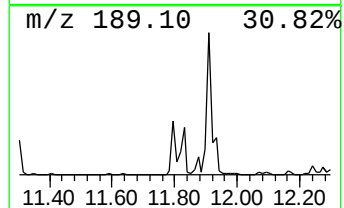
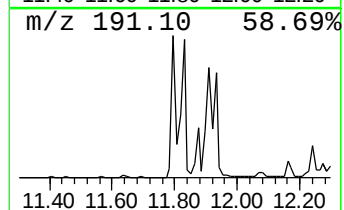
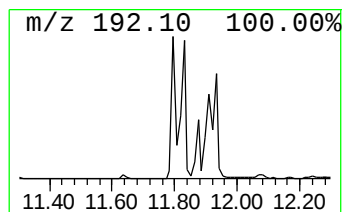
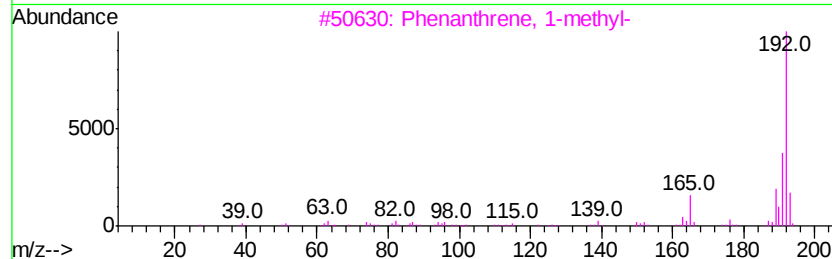
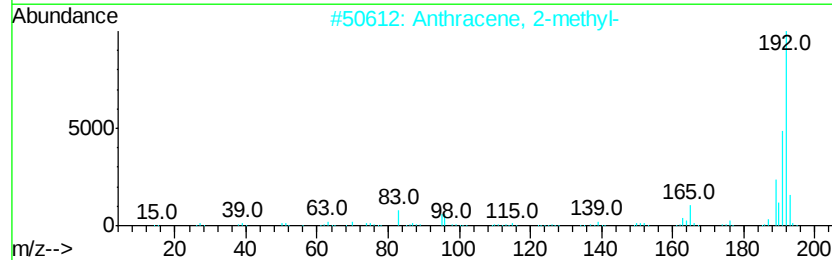
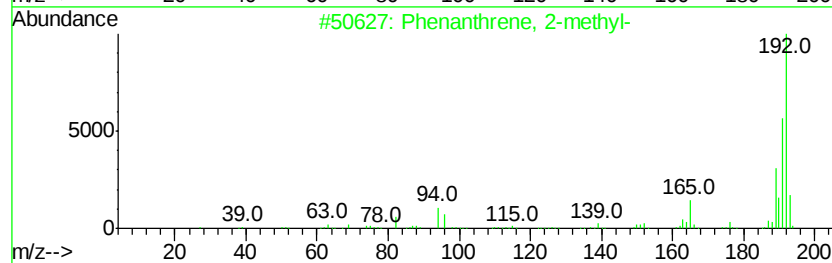
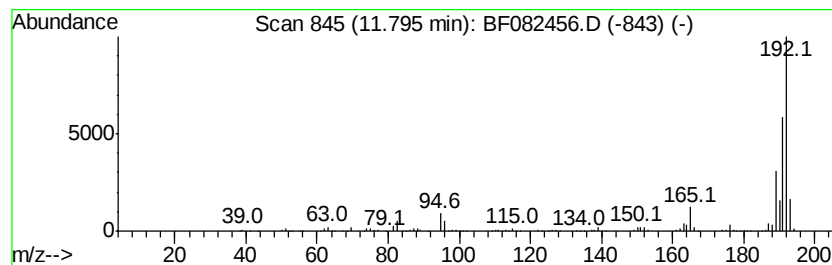
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.80 | 2.26 ng | 543328 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|-----------|----------------------------------------|-----|---------|-------------|------|
| 1         | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 98   |
| 2         | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 96   |
| 3         | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 95   |
| 4         | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5         | Anthracene, 9-methyl-                  | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
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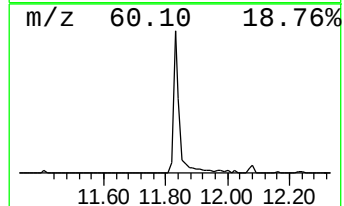
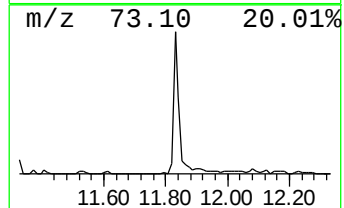
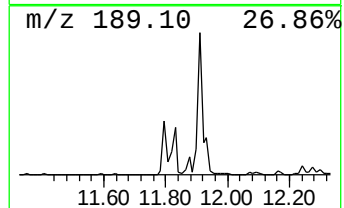
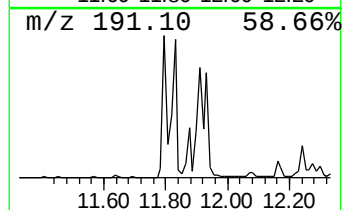
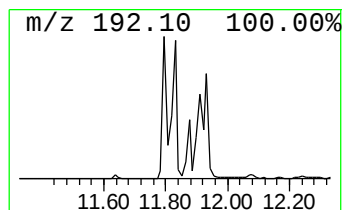
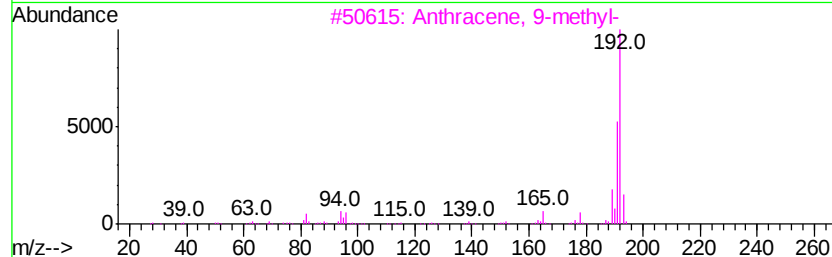
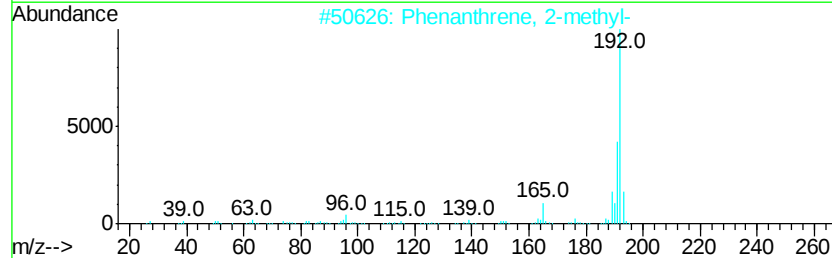
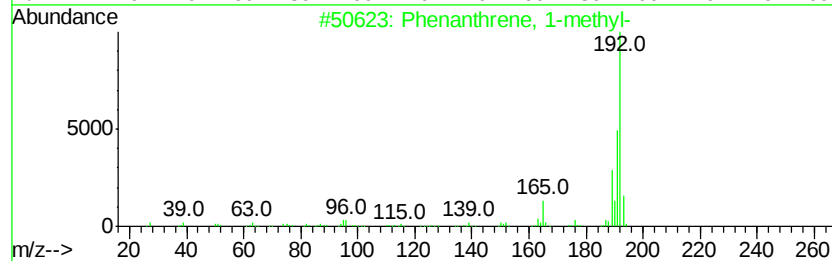
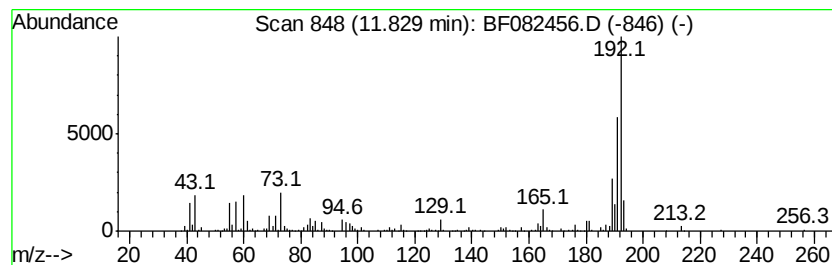
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.83 | 3.86 ng | 926910 | Phenanthrene-d10 | 11.29 |

| Hit# of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 1-methyl-               | 192 | C15H12  | 000832-69-9 | 97   |
| 2       |   | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 97   |
| 3       |   | Anthracene, 9-methyl-                 | 192 | C15H12  | 000779-02-2 | 94   |
| 4       |   | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 93   |
| 5       |   | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

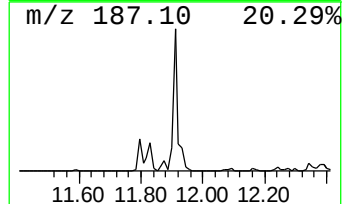
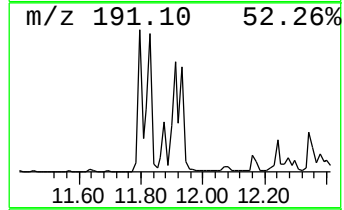
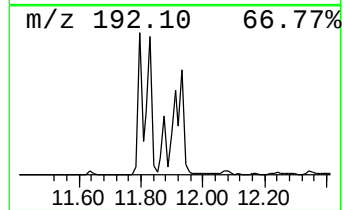
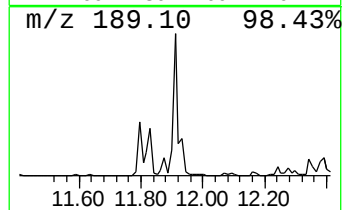
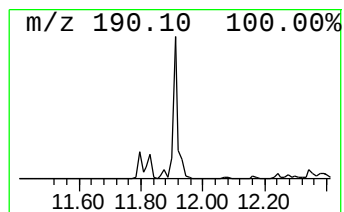
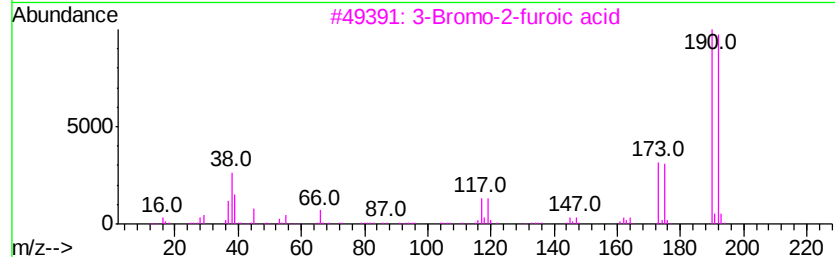
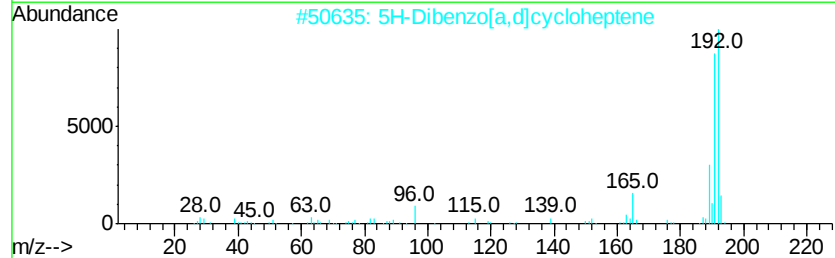
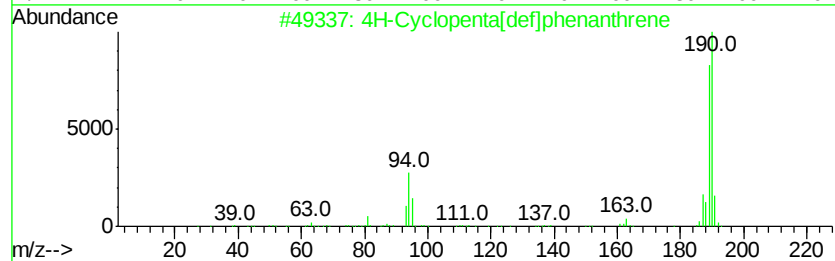
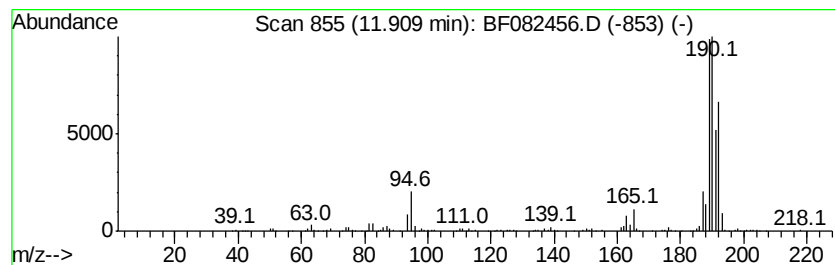
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 11.91 | 4.97 ng | 1192540 | Phenanthrene-d10 | 11.29 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|---------|---|--------------------------------|-----|----------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 92   |
| 2       |   | 5H-Dibenzo[a,d]cycloheptene    | 192 | C15H12   | 000256-81-5 | 38   |
| 3       |   | 3-Bromo-2-furoic acid          | 190 | C5H3BrO3 | 014903-90-3 | 27   |
| 4       |   | Phenanthrene, 2-methyl-        | 192 | C15H12   | 002531-84-2 | 20   |
| 5       |   | Anthracene, 2-methyl-          | 192 | C15H12   | 000613-12-7 | 18   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

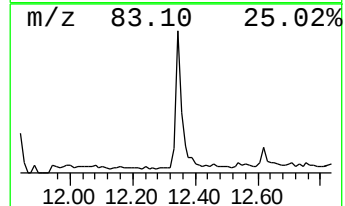
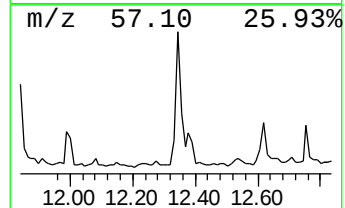
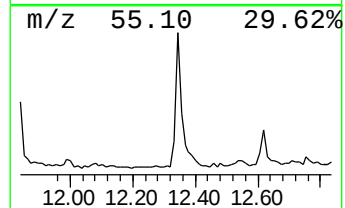
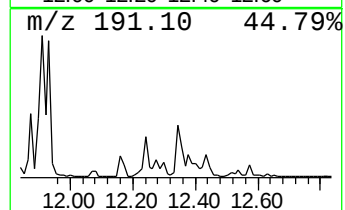
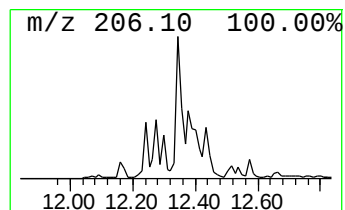
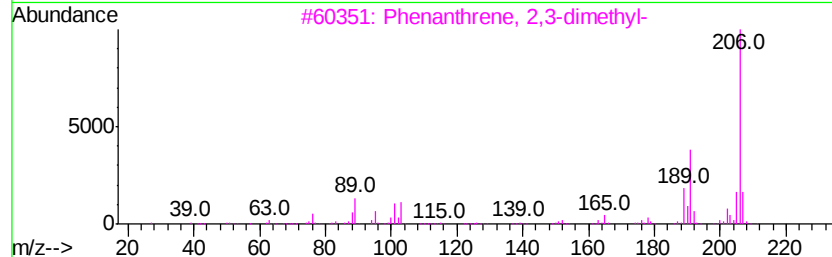
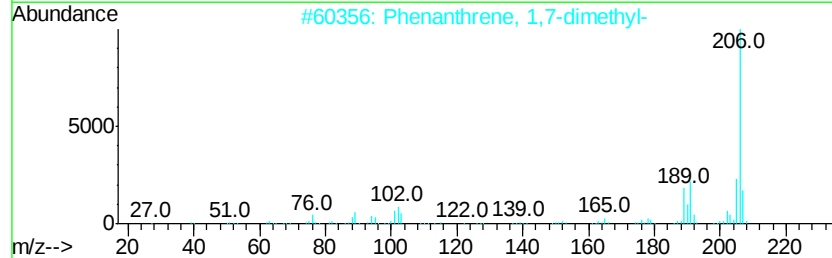
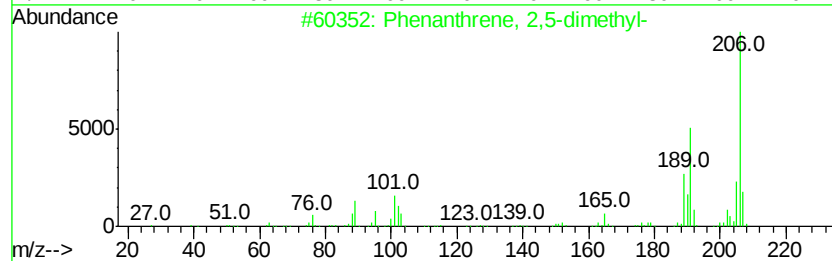
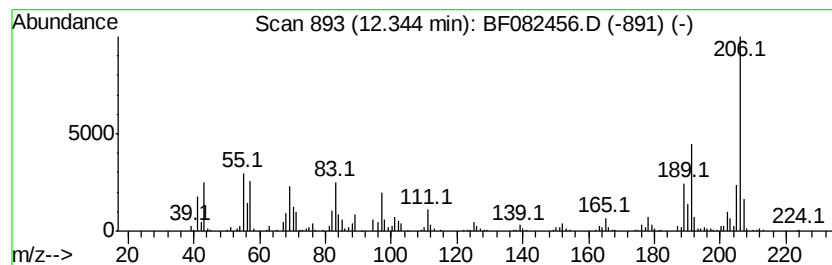
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.34 | 2.36 ng | 567182 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 97   |
| 2    |    | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 93   |
| 3    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 90   |
| 4    |    | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 89   |
| 5    |    | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

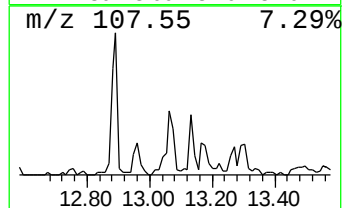
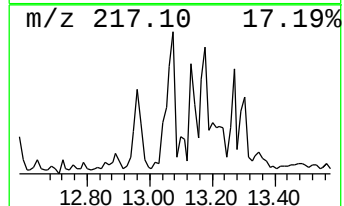
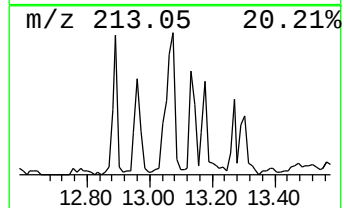
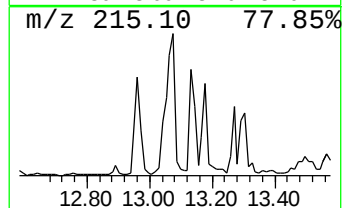
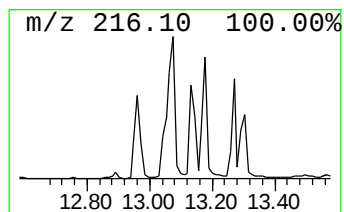
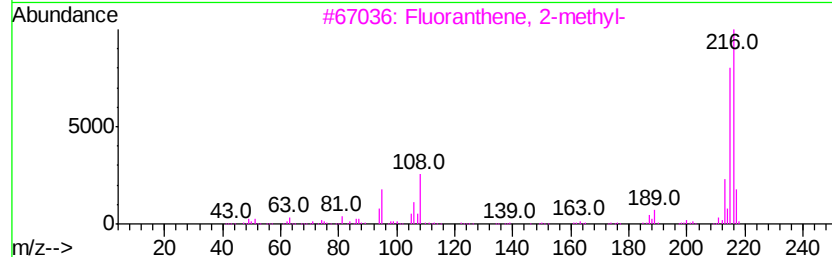
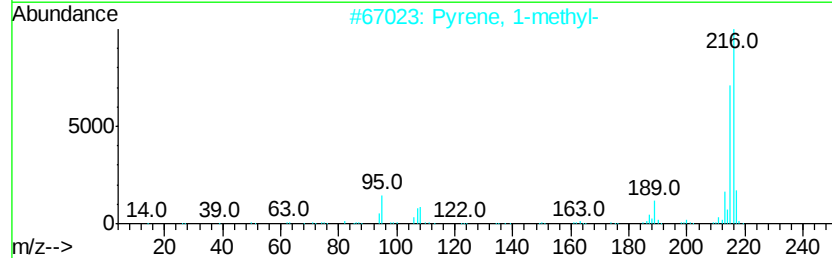
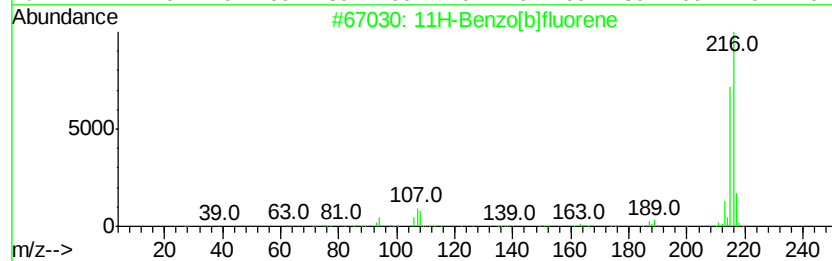
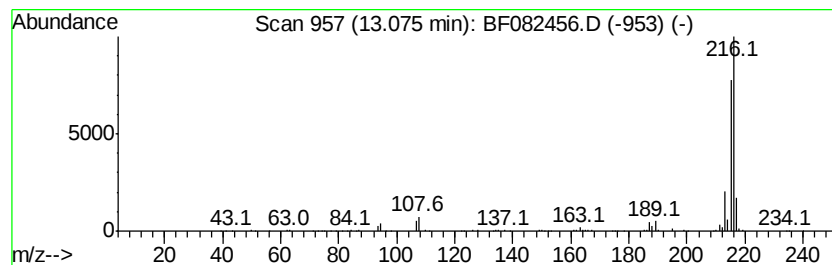
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.08 | 4.48 ng | 471774 | Chrysene-d12     | 13.97 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 94   |
| 2    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 93   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 91   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 80   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

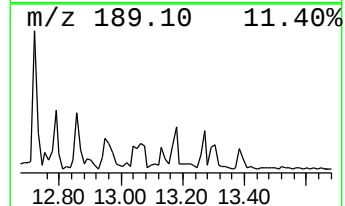
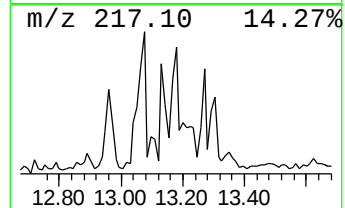
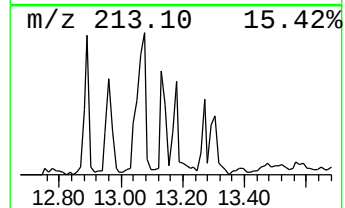
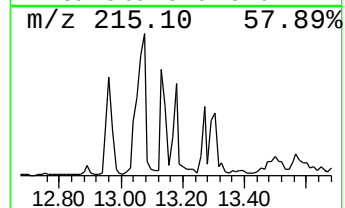
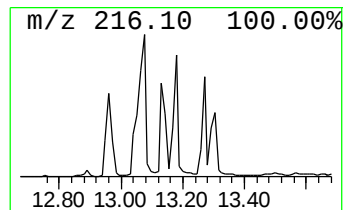
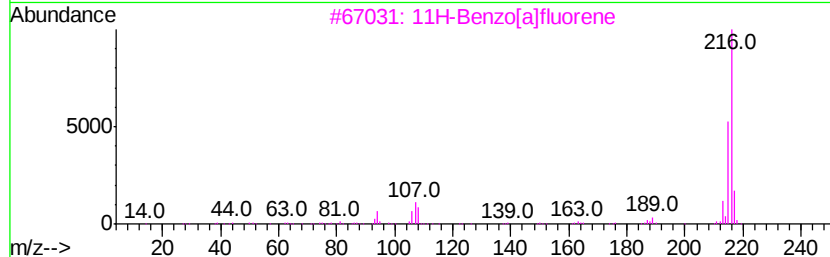
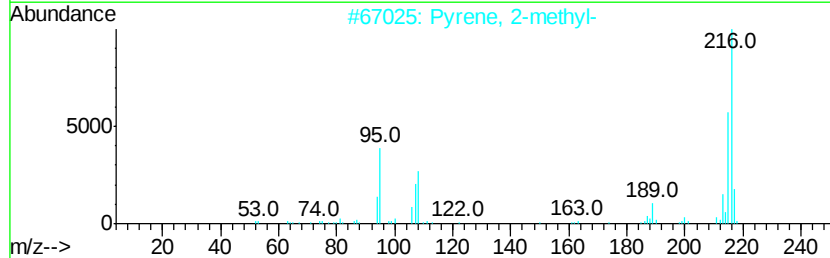
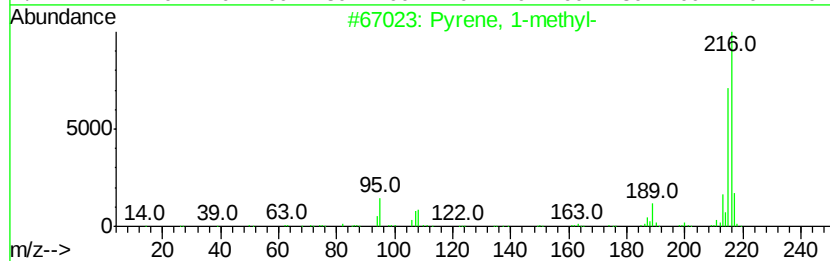
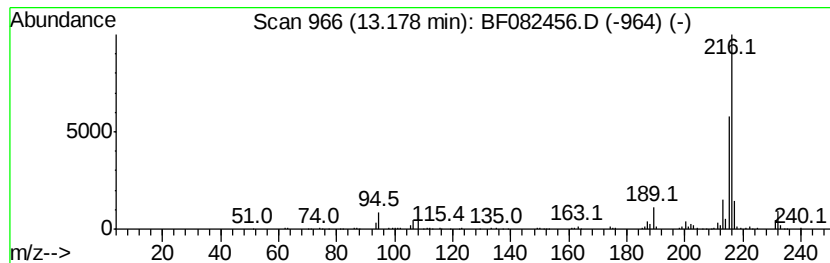
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.18 | 2.39 ng | 251470 | Chrysene-d12     | 13.97 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 2    |    | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 93   |
| 3    |    | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 83   |
| 4    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 81   |
| 5    |    | Pyrene, 4-methyl-       | 216 | C17H12  | 003353-12-6 | 76   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

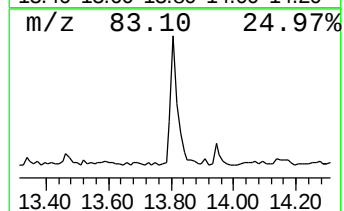
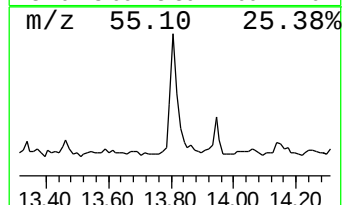
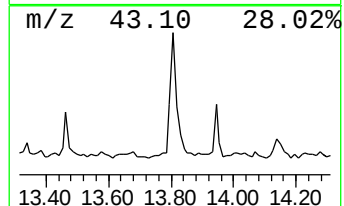
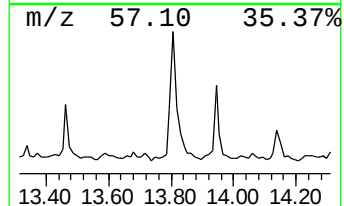
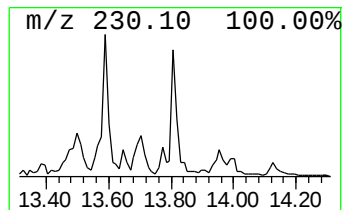
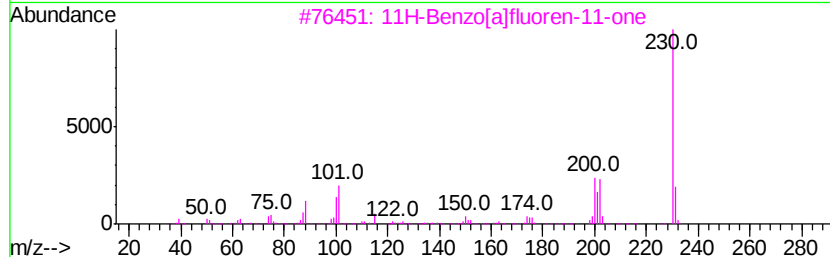
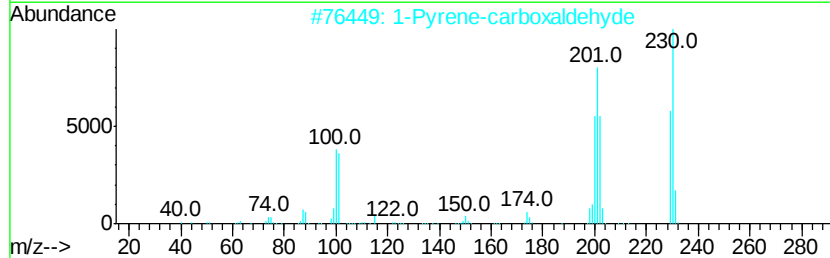
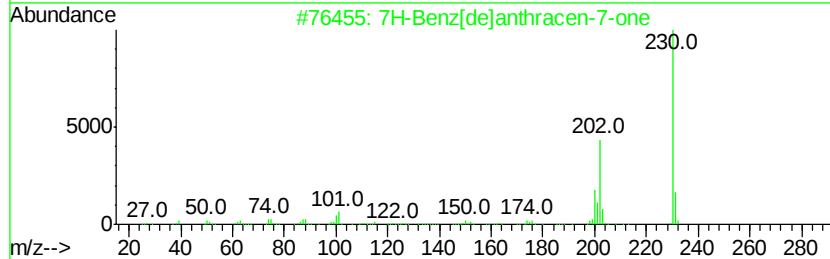
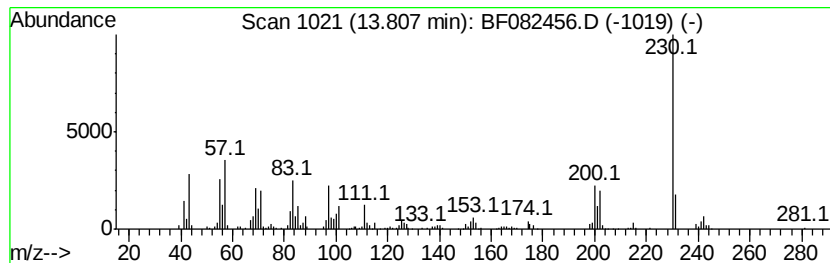
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.81 | 3.02 ng | 318116 | Chrysene-d12     | 13.97 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 60   |
| 2    |    | 1-Pyrene-carboxaldehyde    | 230 | C17H10O | 003029-19-4 | 50   |
| 3    |    | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 49   |
| 4    |    | p-Terphenyl                | 230 | C18H14  | 000092-94-4 | 38   |
| 5    |    | Naphthacene, 5,12-dihydro- | 230 | C18H14  | 000959-02-4 | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

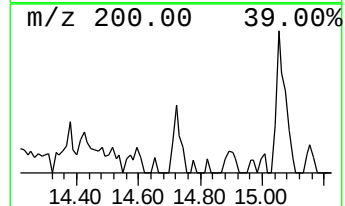
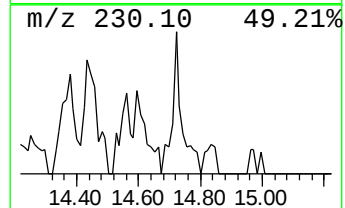
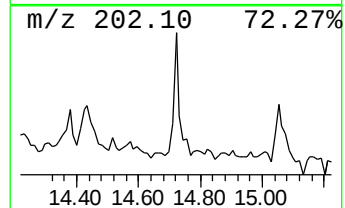
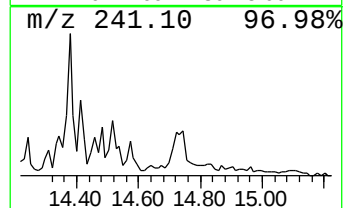
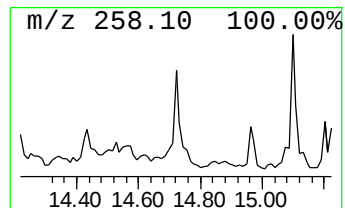
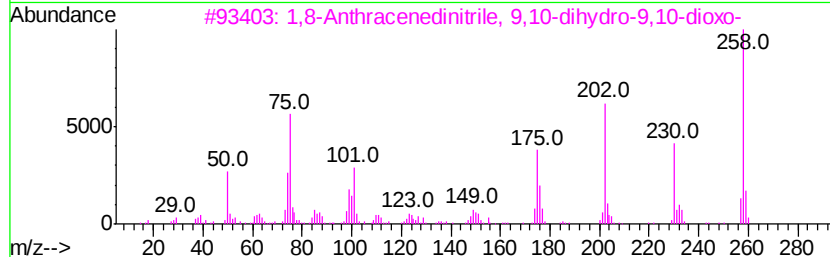
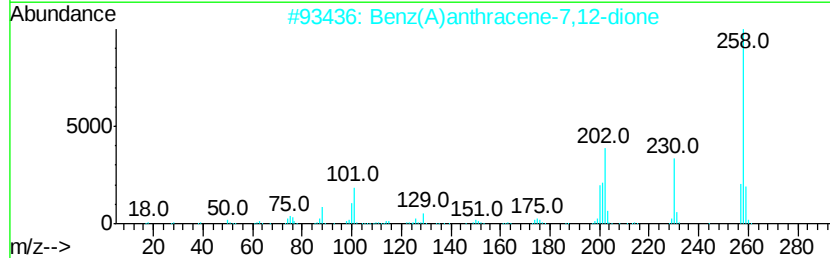
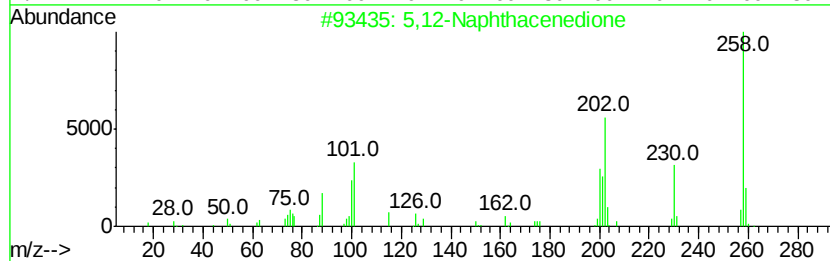
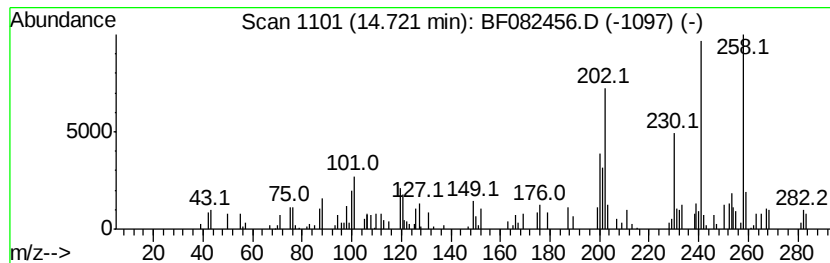
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 5,12-Naphthacenedione Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.72 | 3.89 ng | 142598 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5,12-Naphthacenedione               | 258 | C18H10O2  | 001090-13-7  | 91   |
| 2    |    | Benz(A)anthracene-7,12-dione        | 258 | C18H10O2  | 002498-66-0  | 83   |
| 3    |    | 1,8-Anthracenedinitrile, 9,10-di... | 258 | C16H6N2O2 | 090866-50-5  | 64   |
| 4    |    | 4,8,9-Trihydroxy-6-methyl-3,4-di... | 258 | C15H14O4  | 1000210-20-3 | 35   |
| 5    |    | Benzoic acid, 4,4'-oxybis-          | 258 | C14H10O5  | 002215-89-6  | 30   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

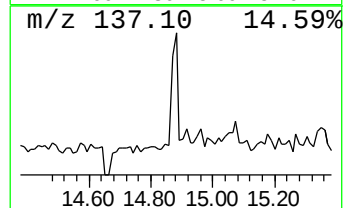
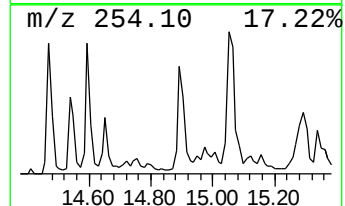
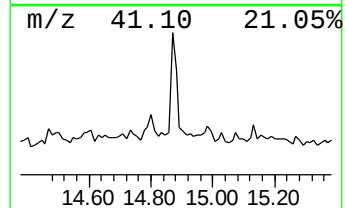
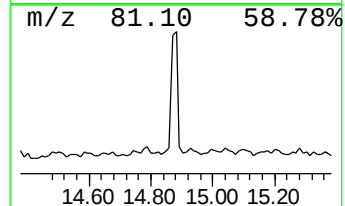
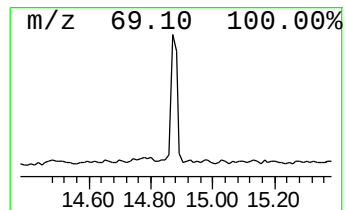
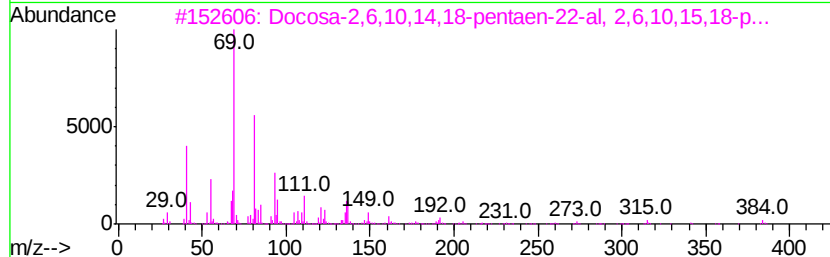
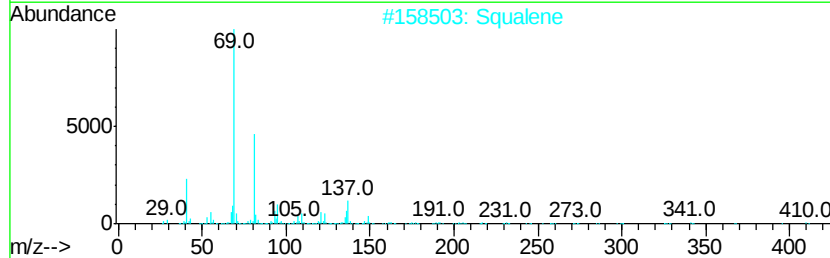
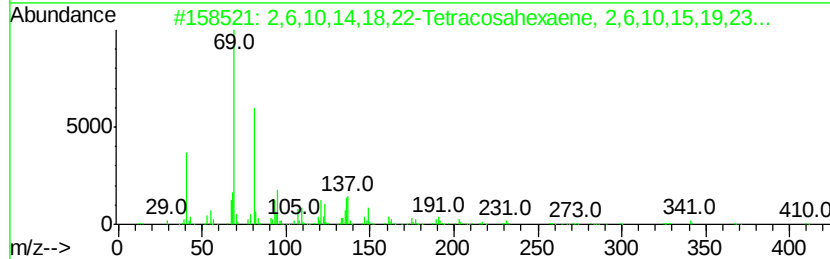
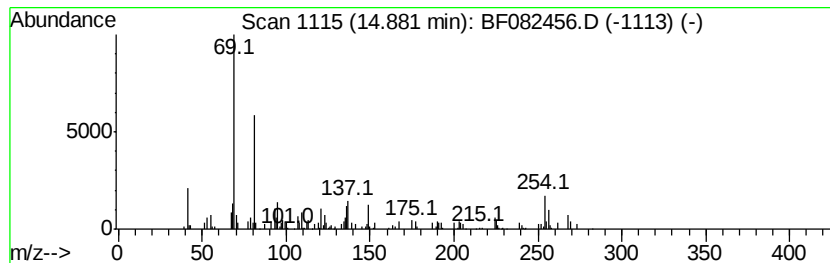
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 2,6,10,14,18,22-Tetracosahexaene... Concentration Rank 6

| R.T.  | EstConc                             | Area   | Relative to ISTD | R.T.         |         |      |      |
|-------|-------------------------------------|--------|------------------|--------------|---------|------|------|
| 14.88 | 4.52 ng                             | 165860 | Perylene-d12     | 15.46        |         |      |      |
| Hit#  | of                                  | 5      | Tentative ID     | MW           | MolForm | CAS# | Qual |
| 1     | 2,6,10,14,18,22-Tetracosahexaene... | 410    | C30H50           | 000111-02-4  | 81      |      |      |
| 2     | Squalene                            | 410    | C30H50           | 007683-64-9  | 68      |      |      |
| 3     | Docosa-2,6,10,14,18-pentaen-22-a... | 384    | C27H44O          | 1000163-04-7 | 64      |      |      |
| 4     | .beta.-d-Mannofuranoside, O-geranyl | 316    | C16H28O6         | 1000154-77-2 | 59      |      |      |
| 5     | 1,5,9-Undecatriene, 2,6,10-trime... | 192    | C14H24           | 062951-96-6  | 53      |      |      |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

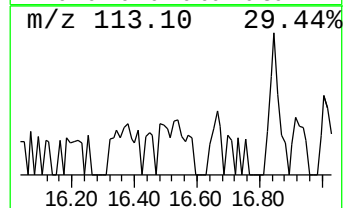
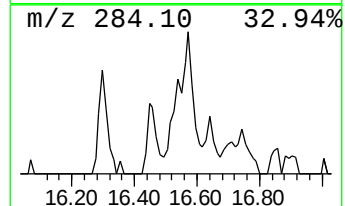
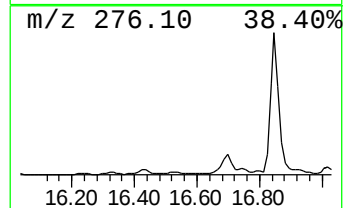
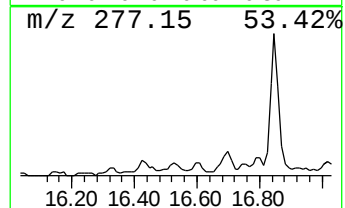
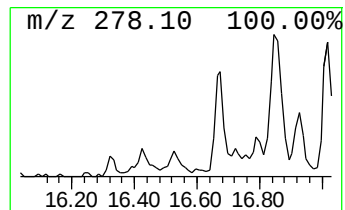
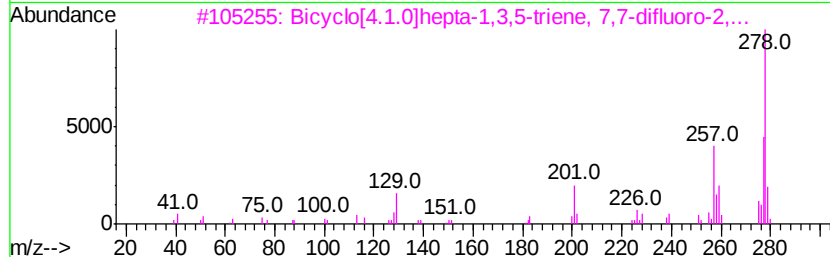
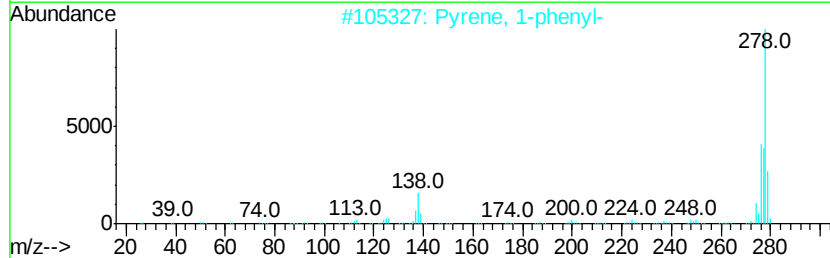
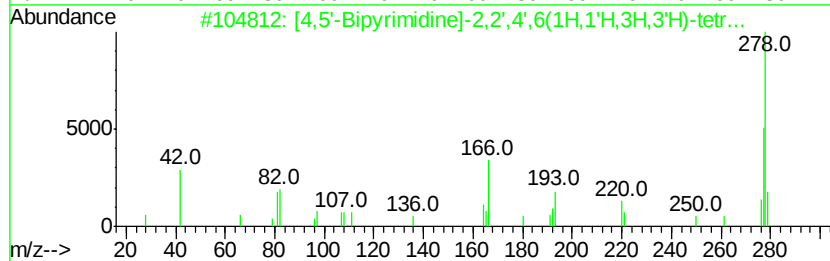
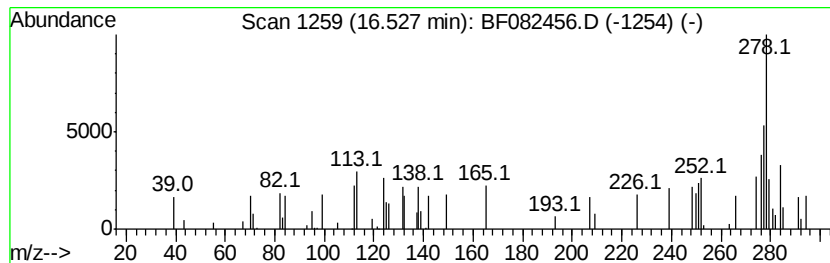
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TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown16.53 Concentration Rank 17

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.53 | 2.71 ng | 99613 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | [4,5'-Bipyrimidine]-2,2',4',6(1H... | 278 | C12H14N4O4 | 062880-87-9  | 43   |
| 2    |    | Pyrene, 1-phenyl-                   | 278 | C22H14     | 005101-27-9  | 43   |
| 3    |    | Bicyclo[4.1.0]hepta-1,3,5-triene... | 278 | C19H12F2   | 052326-84-8  | 37   |
| 4    |    | 2-Methyl-4,6-di(2-hydroxyphenyl)... | 278 | C17H14N2O2 | 1000070-55-8 | 32   |
| 5    |    | Benzo[b]triphenylene                | 278 | C22H14     | 000215-58-7  | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

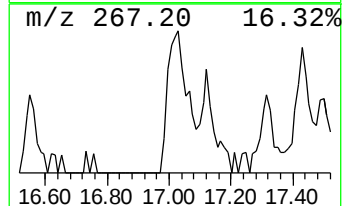
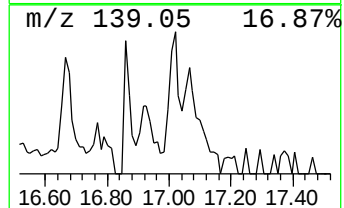
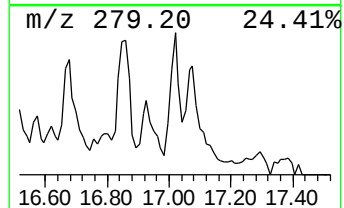
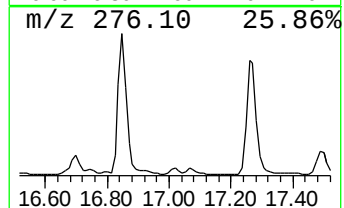
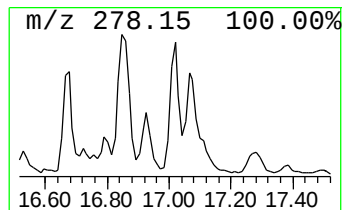
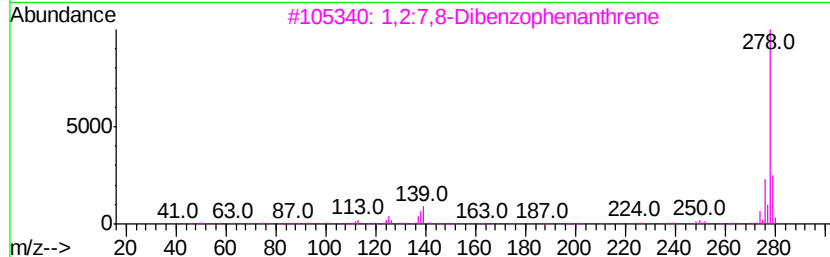
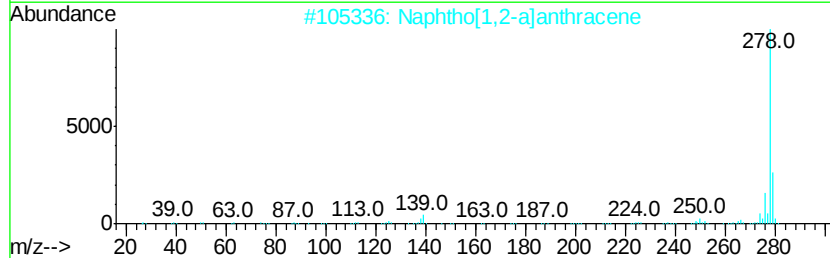
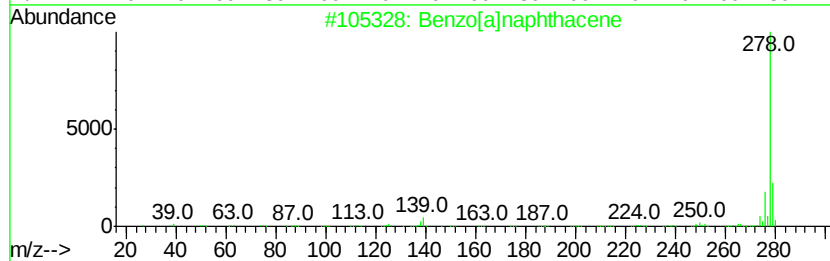
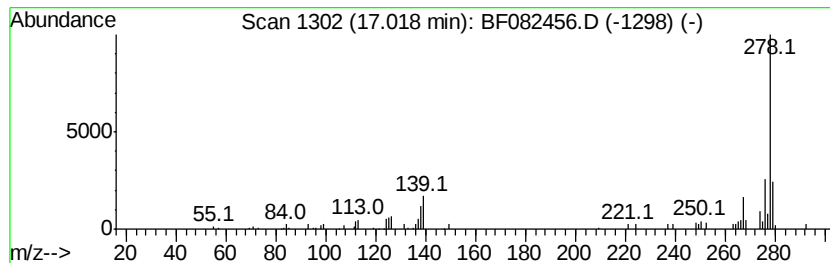
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzo[a]naphthacene Concentration Rank 16

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.02 | 2.72 ng | 99869 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[a]naphthacene         | 278 | C22H14  | 000226-88-0 | 95   |
| 2    |    | Naphtho[1,2-a]anthracene    | 278 | C22H14  | 000195-06-2 | 86   |
| 3    |    | 1,2:7,8-Dibenzophenanthrene | 278 | C22H14  | 000213-46-7 | 83   |
| 4    |    | Benzo[blchrysene            | 278 | C22H14  | 000214-17-5 | 83   |
| 5    |    | Pentaphene                  | 278 | C22H14  | 000222-93-5 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082456.D  
Acq On : 22 Oct 2015 20:32  
Operator : UM/IZ  
Sample : G4087-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

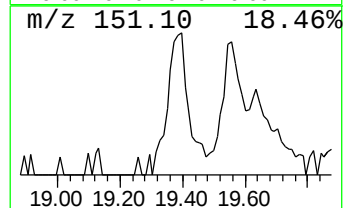
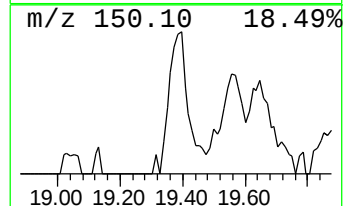
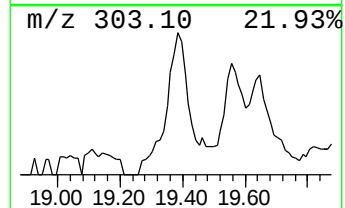
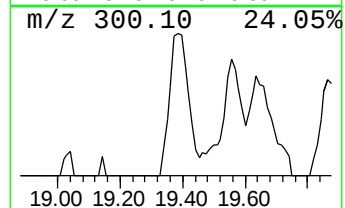
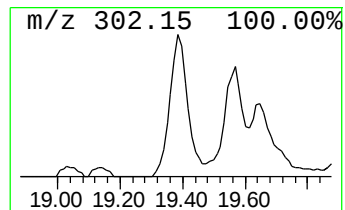
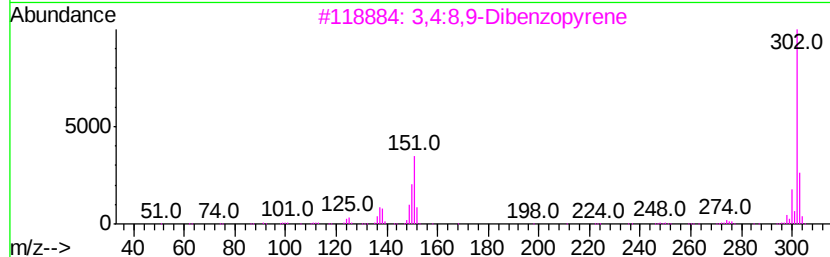
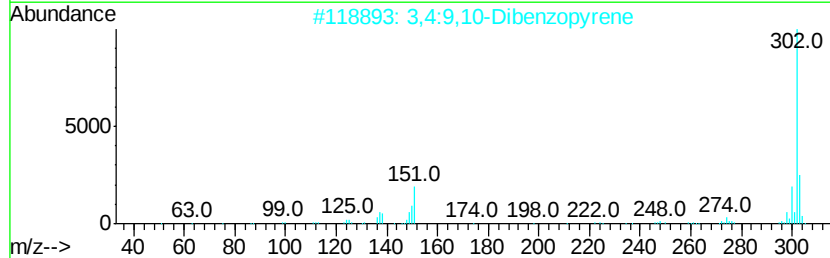
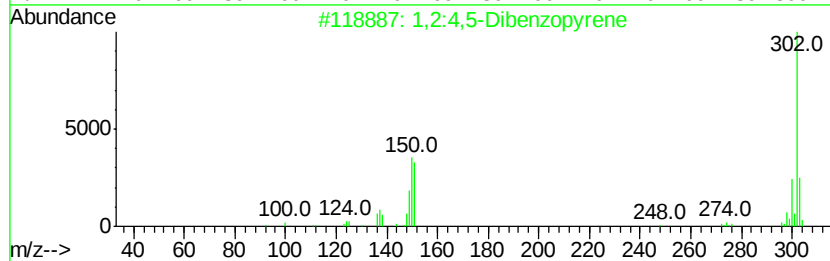
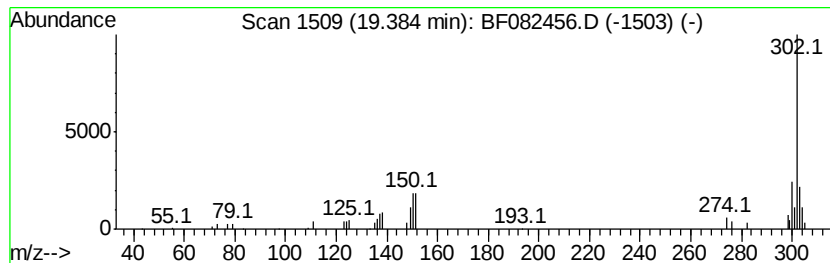
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.38 | 3.53 ng | 129696 | Perylene-d12     | 15.46 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,2:4,5-Dibenzopyrene      | 302 | C24H14  | 000192-65-4 | 93   |
| 2    |    |   | 3,4:9,10-Dibenzopyrene     | 302 | C24H14  | 000189-55-9 | 93   |
| 3    |    |   | 3,4:8,9-Dibenzopyrene      | 302 | C24H14  | 000189-64-0 | 89   |
| 4    |    |   | Indeno[1,2,3-f]naphthacene | 302 | C24H14  | 000203-11-2 | 81   |
| 5    |    |   | Dibenz(a,e)aceanthrylene   | 302 | C24H14  | 005385-75-1 | 81   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
 Data File : BF082456.D  
 Acq On : 22 Oct 2015 20:32  
 Operator : UM/IZ  
 Sample : G4087-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-03-16-16.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.94  | 50.8    | ng    | 1640070  | 1                     | 6.75  | 645131  | 20.0 |
| unknown6.54          | 6.54  | 89.8    | ng    | 2898200  | 1                     | 6.75  | 645131  | 20.0 |
| Naphthalene, 1,5-... | 9.46  | 2.8     | ng    | 166323   | 3                     | 9.81  | 1193330 | 20.0 |
| Fluorene, 1,4-dih... | 10.43 | 2.9     | ng    | 172739   | 3                     | 9.81  | 1193330 | 20.0 |
| Phenanthrene, 2-m... | 11.80 | 2.3     | ng    | 543328   | 4                     | 11.29 | 4803460 | 20.0 |
| Phenanthrene, 1-m... | 11.83 | 3.9     | ng    | 926910   | 4                     | 11.29 | 4803460 | 20.0 |
| 4H-Cyclopenta[def... | 11.91 | 5.0     | ng    | 1192540  | 4                     | 11.29 | 4803460 | 20.0 |
| Phenanthrene, 2,5... | 12.34 | 2.4     | ng    | 567182   | 4                     | 11.29 | 4803460 | 20.0 |
| 11H-Benzo[b]fluorene | 13.08 | 4.5     | ng    | 471774   | 5                     | 13.97 | 2108450 | 20.0 |
| Pyrene, 1-methyl-    | 13.18 | 2.4     | ng    | 251470   | 5                     | 13.97 | 2108450 | 20.0 |
| 7H-Benz[de]anthra... | 13.81 | 3.0     | ng    | 318116   | 5                     | 13.97 | 2108450 | 20.0 |
| 5,12-Naphthacened... | 14.72 | 3.9     | ng    | 142598   | 6                     | 15.46 | 733855  | 20.0 |
| 2,6,10,14,18,22-T... | 14.88 | 4.5     | ng    | 165860   | 6                     | 15.46 | 733855  | 20.0 |
| unknown16.53         | 16.53 | 2.7     | ng    | 99613    | 6                     | 15.46 | 733855  | 20.0 |
| Benzo[a]naphthacene  | 17.02 | 2.7     | ng    | 99869    | 6                     | 15.46 | 733855  | 20.0 |
| 1,2:4,5-Dibenzopy... | 19.38 | 3.5     | ng    | 129696   | 6                     | 15.46 | 733855  | 20.0 |