

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
 Data File : BF092971.D  
 Acq On : 16 Feb 2017 00:31  
 Operator : SJ/MA  
 Sample : I1822-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 38-BC-01-0-2

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-BF013017.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         | 4.727       | 229           | 231         | 241          | rBV2     | 18696          | 49349         | 1.13%           | 0.088%        |
| 2         | 5.047       | 256           | 259         | 266          | rBV      | 1365958        | 1829893       | 41.92%          | 3.270%        |
| 3         | 5.470       | 293           | 296         | 299          | rBV      | 3414715        | 3597538       | 82.41%          | 6.428%        |
| 4         | 6.510       | 384           | 387         | 390          | rBV      | 3511236        | 3846273       | 88.11%          | 6.872%        |
| 5         | 6.636       | 396           | 398         | 401          | rBV      | 3161307        | 3887007       | 89.04%          | 6.945%        |
| 6         | 6.876       | 416           | 419         | 421          | rBV      | 672824         | 900524        | 20.63%          | 1.609%        |
| 7         | 7.024       | 430           | 432         | 435          | rBV      | 2684094        | 2988166       | 68.45%          | 5.339%        |
| 8         | 7.447       | 465           | 469         | 471          | rBV      | 1972578        | 2766021       | 63.36%          | 4.942%        |
| 9         | 7.539       | 474           | 477         | 484          | rVB      | 34877          | 63697         | 1.46%           | 0.114%        |
| 10        | 8.156       | 529           | 531         | 534          | rBV      | 963076         | 1256470       | 28.78%          | 2.245%        |
| 11        | 9.242       | 623           | 626         | 628          | rBV      | 3120275        | 4365489       | 100.00%         | 7.800%        |
| 12        | 9.573       | 652           | 655         | 658          | rBV2     | 38417          | 71342         | 1.63%           | 0.127%        |
| 13        | 9.630       | 658           | 660         | 662          | rVV      | 1325687        | 1105411       | 25.32%          | 1.975%        |
| 14        | 9.688       | 662           | 665         | 670          | rVV2     | 28108          | 53784         | 1.23%           | 0.096%        |
| 15        | 9.768       | 670           | 672         | 674          | rVV      | 94998          | 94687         | 2.17%           | 0.169%        |
| 16        | 9.836       | 674           | 678         | 682          | rVV      | 99415          | 189602        | 4.34%           | 0.339%        |
| 17        | 9.905       | 682           | 684         | 686          | rVV      | 1099774        | 1314057       | 30.10%          | 2.348%        |
| 18        | 9.939       | 686           | 687         | 689          | rVB      | 122901         | 105030        | 2.41%           | 0.188%        |
| 19        | 10.110      | 700           | 702         | 704          | rVV      | 91468          | 104603        | 2.40%           | 0.187%        |
| 20        | 10.316      | 718           | 720         | 721          | rBV      | 38896          | 61365         | 1.41%           | 0.110%        |
| 21        | 10.339      | 721           | 722         | 723          | rVB      | 177386         | 122601        | 2.81%           | 0.219%        |
| 22        | 10.453      | 730           | 732         | 735          | rVB      | 123414         | 121383        | 2.78%           | 0.217%        |
| 23        | 10.556      | 739           | 741         | 744          | rVB2     | 49158          | 79832         | 1.83%           | 0.143%        |
| 24        | 10.613      | 744           | 746         | 747          | rVB      | 55041          | 50128         | 1.15%           | 0.090%        |
| 25        | 10.693      | 750           | 753         | 756          | rBV      | 1811585        | 2081444       | 47.68%          | 3.719%        |
| 26        | 10.808      | 761           | 763         | 769          | rVB      | 199760         | 243694        | 5.58%           | 0.435%        |
| 27        | 11.002      | 777           | 780         | 781          | rBV2     | 69993          | 96535         | 2.21%           | 0.172%        |
| 28        | 11.082      | 784           | 787         | 789          | rVV3     | 21004          | 54712         | 1.25%           | 0.098%        |
| 29        | 11.150      | 789           | 793         | 796          | rVV2     | 51566          | 121832        | 2.79%           | 0.218%        |
| 30        | 11.196      | 796           | 797         | 799          | rVV      | 77390          | 61656         | 1.41%           | 0.110%        |
| 31        | 11.253      | 799           | 802         | 804          | rVV2     | 128628         | 174006        | 3.99%           | 0.311%        |
| 32        | 11.288      | 804           | 805         | 808          | rVB      | 115243         | 95886         | 2.20%           | 0.171%        |
| 33        | 11.391      | 811           | 814         | 815          | rBV      | 1447388        | 1364599       | 31.26%          | 2.438%        |
| 34        | 11.413      | 815           | 816         | 818          | rVV      | 1658119        | 1287863       | 29.50%          | 2.301%        |

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 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-BF013017.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.459 | 818  | 820  | 822  | rVV  | 230050  | 307832  | 7.05%  | 0.550% |
| 36 | 11.619 | 831  | 834  | 838  | rBV2 | 135187  | 201302  | 4.61%  | 0.360% |
| 37 | 11.688 | 838  | 840  | 841  | rVV2 | 71674   | 86328   | 1.98%  | 0.154% |
| 38 | 11.893 | 855  | 858  | 859  | rBV  | 230793  | 244895  | 5.61%  | 0.438% |
| 39 | 11.916 | 859  | 860  | 862  | rVB  | 344079  | 283469  | 6.49%  | 0.506% |
| 40 | 11.962 | 862  | 864  | 866  | rBV2 | 108923  | 146841  | 3.36%  | 0.262% |
| 41 | 11.996 | 866  | 867  | 872  | rVB  | 283317  | 519381  | 11.90% | 0.928% |
| 42 | 12.088 | 872  | 875  | 877  | rBV2 | 45718   | 91469   | 2.10%  | 0.163% |
| 43 | 12.191 | 879  | 884  | 885  | rBV  | 118954  | 216721  | 4.96%  | 0.387% |
| 44 | 12.339 | 893  | 897  | 898  | rBV2 | 63288   | 103580  | 2.37%  | 0.185% |
| 45 | 12.442 | 903  | 906  | 907  | rBV  | 132667  | 182732  | 4.19%  | 0.326% |
| 46 | 12.476 | 907  | 909  | 912  | rVV2 | 100565  | 157261  | 3.60%  | 0.281% |
| 47 | 12.522 | 912  | 913  | 917  | rVB2 | 107925  | 118270  | 2.71%  | 0.211% |
| 48 | 12.602 | 917  | 920  | 922  | rBV  | 2081429 | 1770411 | 40.55% | 3.163% |
| 49 | 12.659 | 922  | 925  | 927  | rVB4 | 40671   | 89258   | 2.04%  | 0.159% |
| 50 | 12.751 | 929  | 933  | 936  | rBV3 | 67766   | 119992  | 2.75%  | 0.214% |
| 51 | 12.831 | 936  | 940  | 942  | rVV  | 1779370 | 1880336 | 43.07% | 3.360% |
| 52 | 12.876 | 942  | 944  | 947  | rVB2 | 97353   | 122088  | 2.80%  | 0.218% |
| 53 | 12.979 | 950  | 953  | 955  | rVB  | 2984123 | 3579621 | 82.00% | 6.396% |
| 54 | 13.048 | 955  | 959  | 963  | rVB3 | 118307  | 198985  | 4.56%  | 0.356% |
| 55 | 13.151 | 963  | 968  | 970  | rBV2 | 157438  | 354326  | 8.12%  | 0.633% |
| 56 | 13.219 | 973  | 974  | 976  | rBV  | 89615   | 81160   | 1.86%  | 0.145% |
| 57 | 13.254 | 976  | 977  | 981  | rVB3 | 135413  | 215190  | 4.93%  | 0.384% |
| 58 | 13.356 | 984  | 986  | 987  | rVB2 | 70942   | 86821   | 1.99%  | 0.155% |
| 59 | 13.379 | 987  | 988  | 992  | rBV2 | 109721  | 133905  | 3.07%  | 0.239% |
| 60 | 13.448 | 992  | 994  | 997  | rVB  | 214276  | 280359  | 6.42%  | 0.501% |
| 61 | 13.539 | 1000 | 1002 | 1004 | rBV3 | 50664   | 118641  | 2.72%  | 0.212% |
| 62 | 13.665 | 1009 | 1013 | 1015 | rVV  | 126975  | 164369  | 3.77%  | 0.294% |
| 63 | 13.768 | 1020 | 1022 | 1024 | rBV  | 117331  | 189263  | 4.34%  | 0.338% |
| 64 | 13.802 | 1024 | 1025 | 1026 | rVV  | 108341  | 83698   | 1.92%  | 0.150% |
| 65 | 13.825 | 1026 | 1027 | 1029 | rVV2 | 89015   | 109003  | 2.50%  | 0.195% |
| 66 | 13.871 | 1029 | 1031 | 1034 | rVB  | 325853  | 418350  | 9.58%  | 0.747% |
| 67 | 14.019 | 1041 | 1044 | 1049 | rBV3 | 1217969 | 2394546 | 54.85% | 4.278% |
| 68 | 14.122 | 1051 | 1053 | 1056 | rBV2 | 65731   | 94713   | 2.17%  | 0.169% |
| 69 | 14.191 | 1056 | 1059 | 1060 | rBV3 | 36399   | 74158   | 1.70%  | 0.133% |
| 70 | 14.248 | 1062 | 1064 | 1066 | rBV3 | 48138   | 67333   | 1.54%  | 0.120% |
| 71 | 14.408 | 1076 | 1078 | 1080 | rVV  | 138315  | 132851  | 3.04%  | 0.237% |

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 14.442 | 1080 | 1081 | 1083 | rVB  | 76624  | 61228   | 1.40%  | 0.109% |
| 73  | 14.499 | 1083 | 1086 | 1088 | rBV3 | 78865  | 154422  | 3.54%  | 0.276% |
| 74  | 14.534 | 1088 | 1089 | 1092 | rVB2 | 70422  | 95169   | 2.18%  | 0.170% |
| 75  | 14.602 | 1093 | 1095 | 1098 | rVB3 | 49802  | 65936   | 1.51%  | 0.118% |
| 76  | 14.717 | 1102 | 1105 | 1106 | rBV  | 47410  | 68299   | 1.56%  | 0.122% |
| 77  | 14.785 | 1110 | 1111 | 1113 | rBV2 | 40045  | 53729   | 1.23%  | 0.096% |
| 78  | 14.865 | 1116 | 1118 | 1119 | rBV  | 85295  | 118151  | 2.71%  | 0.211% |
| 79  | 14.957 | 1124 | 1126 | 1128 | rVV3 | 38812  | 63776   | 1.46%  | 0.114% |
| 80  | 15.048 | 1131 | 1134 | 1138 | rBV  | 569523 | 1128640 | 25.85% | 2.017% |
| 81  | 15.117 | 1138 | 1140 | 1141 | rVV2 | 60783  | 80246   | 1.84%  | 0.143% |
| 82  | 15.151 | 1141 | 1143 | 1145 | rVV  | 128870 | 148664  | 3.41%  | 0.266% |
| 83  | 15.242 | 1148 | 1151 | 1154 | rVV3 | 30255  | 97104   | 2.22%  | 0.174% |
| 84  | 15.334 | 1157 | 1159 | 1162 | rVV  | 309434 | 457253  | 10.47% | 0.817% |
| 85  | 15.391 | 1162 | 1164 | 1167 | rVV  | 390590 | 592083  | 13.56% | 1.058% |
| 86  | 15.460 | 1167 | 1170 | 1176 | rVB2 | 678482 | 1093624 | 25.05% | 1.954% |
| 87  | 15.665 | 1186 | 1188 | 1191 | rVB3 | 27356  | 50017   | 1.15%  | 0.089% |
| 88  | 15.894 | 1205 | 1208 | 1210 | rBV2 | 44224  | 78492   | 1.80%  | 0.140% |
| 89  | 15.997 | 1215 | 1217 | 1221 | rVB2 | 35798  | 53938   | 1.24%  | 0.096% |
| 90  | 16.374 | 1248 | 1250 | 1254 | rVB2 | 36947  | 65880   | 1.51%  | 0.118% |
| 91  | 16.545 | 1262 | 1265 | 1273 | rVB7 | 38565  | 116931  | 2.68%  | 0.209% |
| 92  | 16.865 | 1290 | 1293 | 1297 | rBV2 | 222151 | 401848  | 9.21%  | 0.718% |
| 93  | 16.934 | 1297 | 1299 | 1304 | rVB  | 41902  | 83808   | 1.92%  | 0.150% |
| 94  | 17.037 | 1305 | 1308 | 1310 | rBV  | 47467  | 94010   | 2.15%  | 0.168% |
| 95  | 17.083 | 1310 | 1312 | 1315 | rVB2 | 27867  | 55210   | 1.26%  | 0.099% |
| 96  | 17.288 | 1326 | 1330 | 1339 | rVB  | 162248 | 347934  | 7.97%  | 0.622% |
| 97  | 17.517 | 1347 | 1350 | 1354 | rBV  | 33858  | 85112   | 1.95%  | 0.152% |
| 98  | 17.597 | 1355 | 1357 | 1365 | rVB7 | 23170  | 65982   | 1.51%  | 0.118% |
| 99  | 19.323 | 1503 | 1508 | 1511 | rBV6 | 14675  | 48265   | 1.11%  | 0.086% |
| 100 | 19.448 | 1515 | 1519 | 1525 | rVB2 | 28602  | 115483  | 2.65%  | 0.206% |

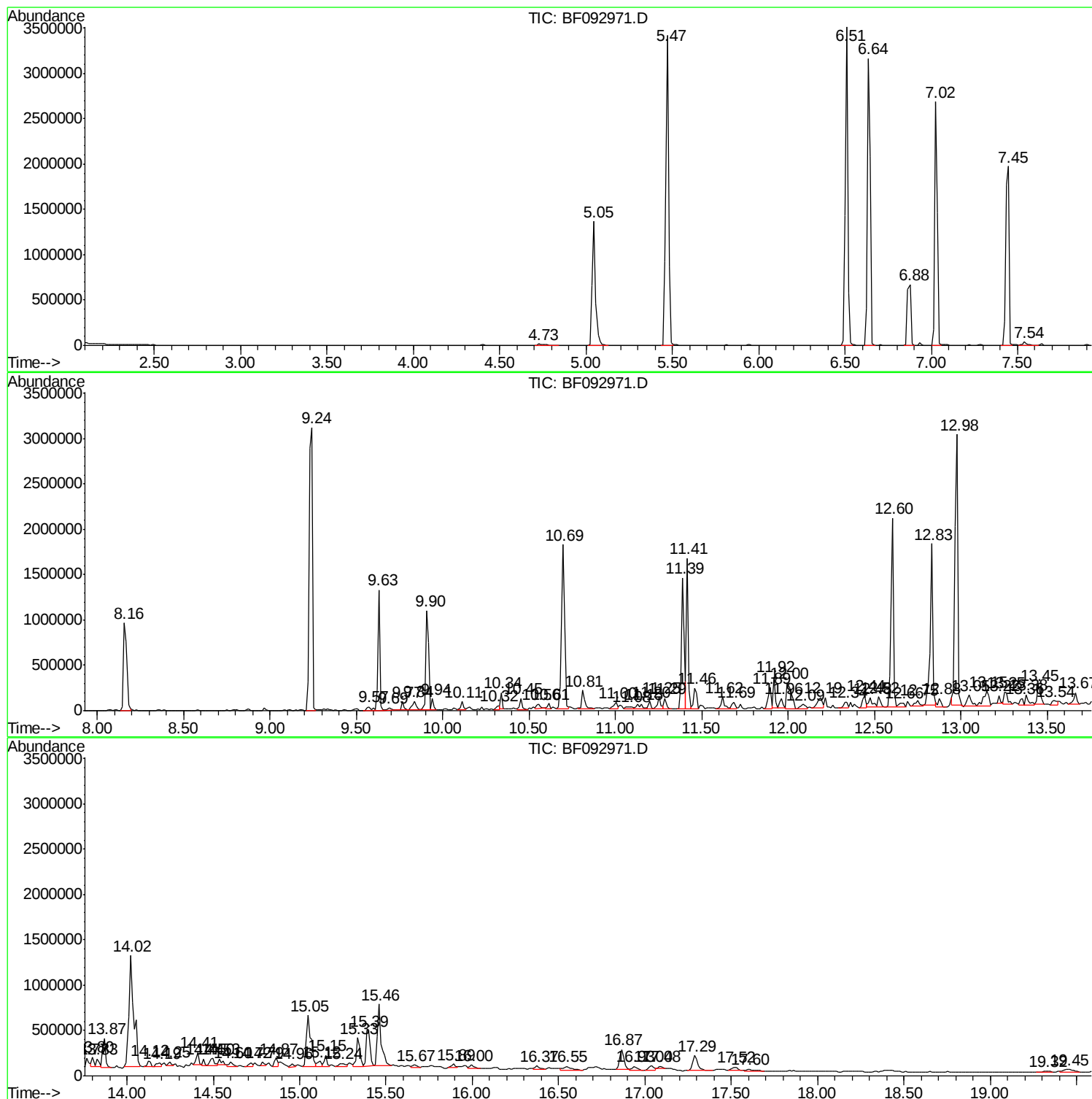
Sum of corrected areas: 55967171

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.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\BF021517\  
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38-BC-01-0-2

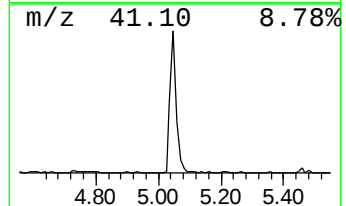
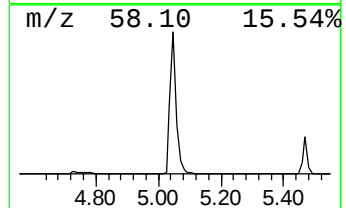
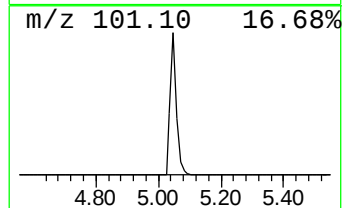
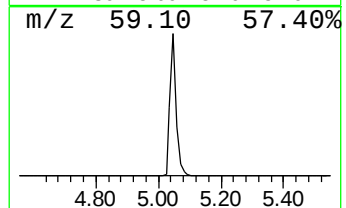
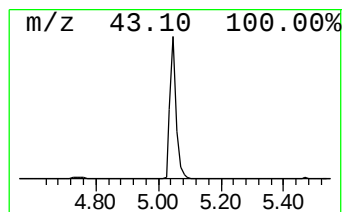
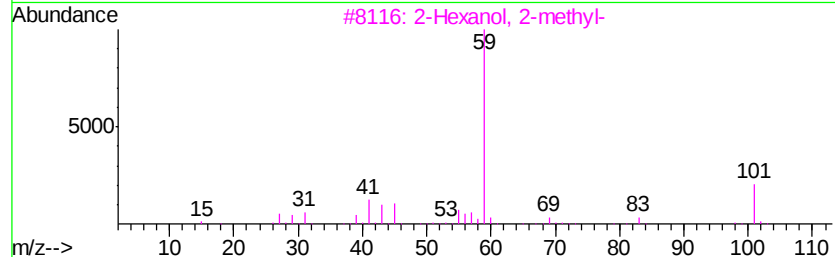
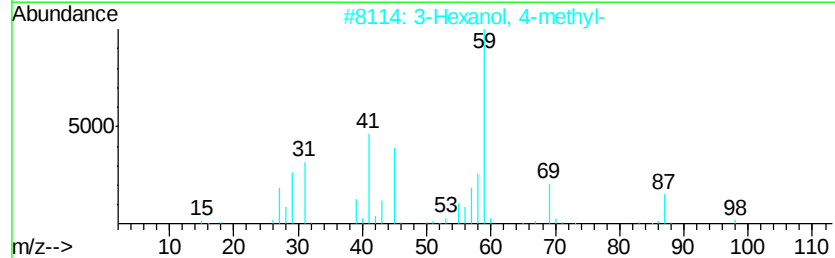
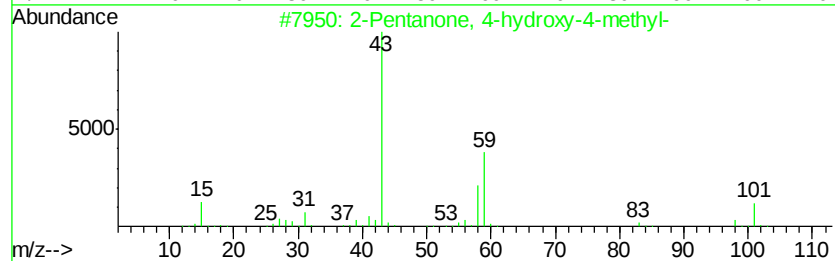
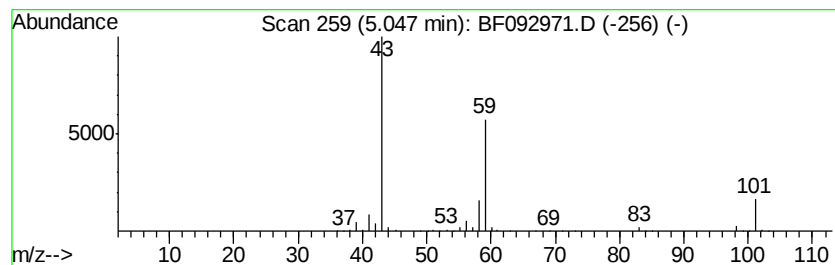
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|----------|---------|------------------------|------|
| 5.05 | 40.64 ng | 1829890 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |



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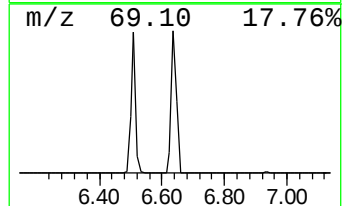
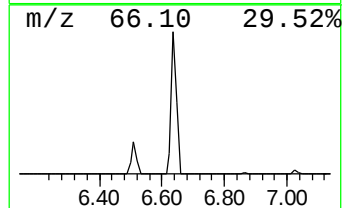
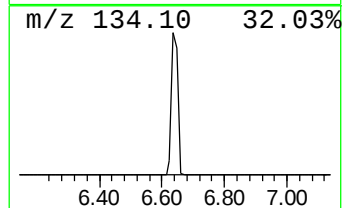
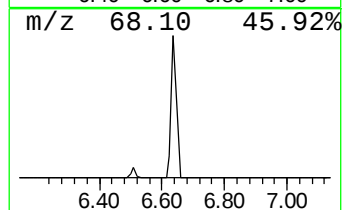
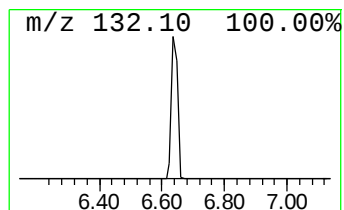
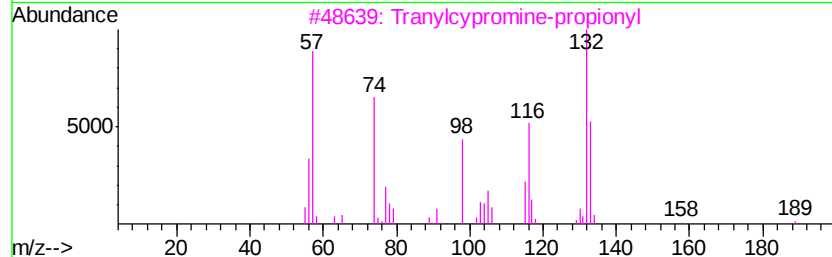
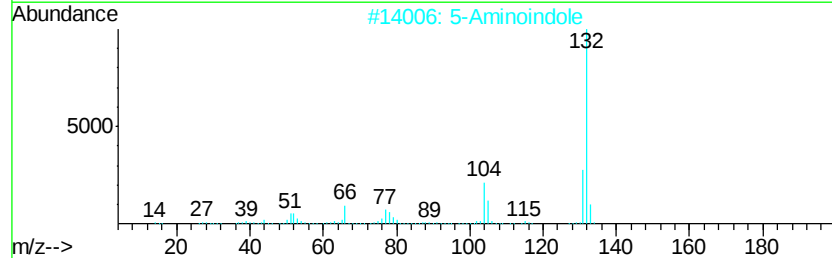
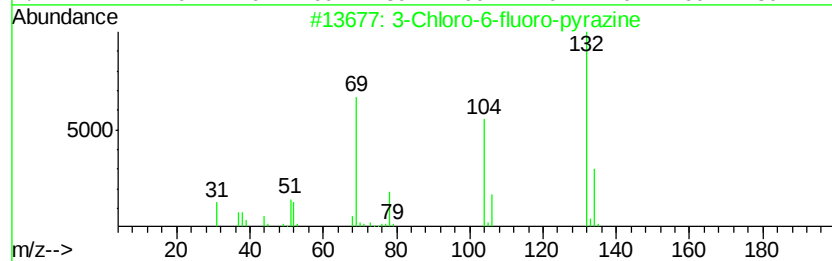
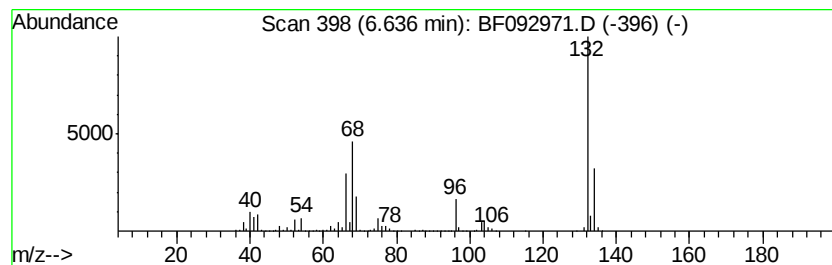
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 86.33 ng | 3887010 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of                                   | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|--------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine           |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    | 5-Aminoindole                        |   |              | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    | Tranylcypromine-propionyl            |   |              | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    | Benzene, 1,3,5-trifluoro-            |   |              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    | Bicyclo[4.2.0]octa-1,3,5-triene, ... |   |              | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

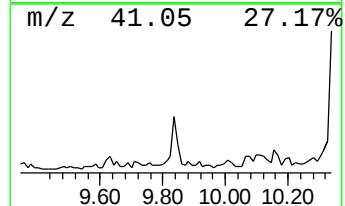
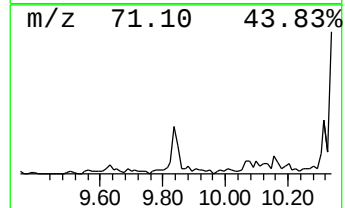
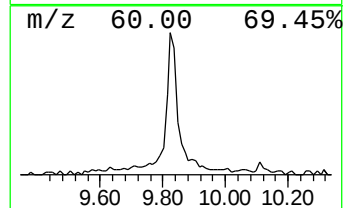
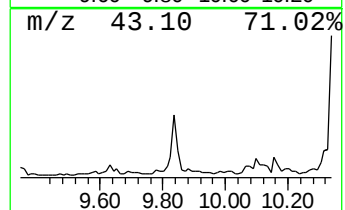
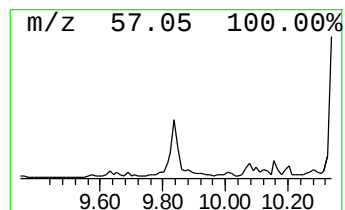
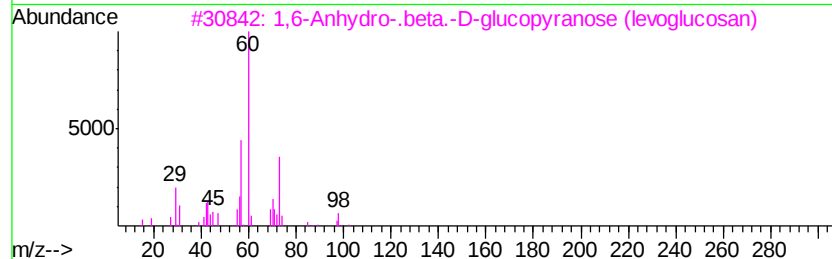
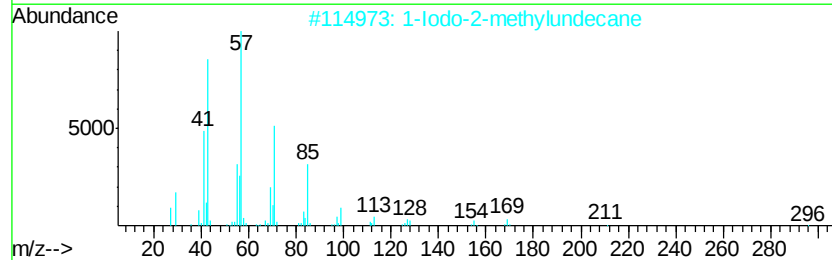
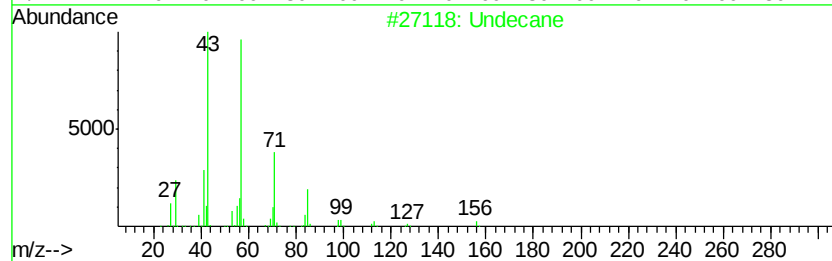
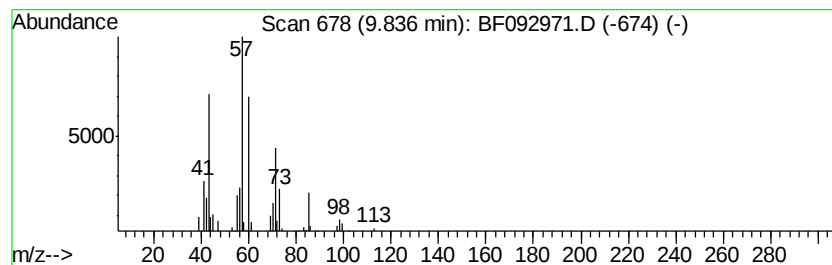
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown9.84 Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.84 | 2.89 ng | 189602 | Acenaphthene-d10 | 9.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Undecane                            | 156 | C11H24   | 001120-21-4 | 43   |
| 2    |    | 1-Iodo-2-methylundecane             | 296 | C12H25I  | 073105-67-6 | 43   |
| 3    |    | 1,6-Anhydro-.beta.-D-glucopyrano... | 162 | C6H10O5  | 000498-07-7 | 38   |
| 4    |    | Amyl Nitrite                        | 117 | C5H11NO2 | 000110-46-3 | 38   |
| 5    |    | Hexadecane                          | 226 | C16H34   | 000544-76-3 | 37   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

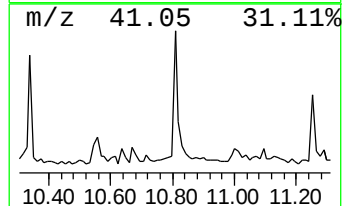
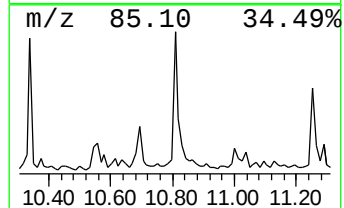
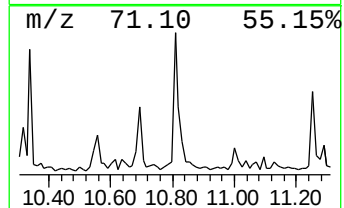
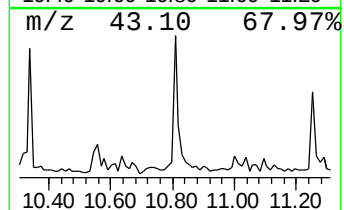
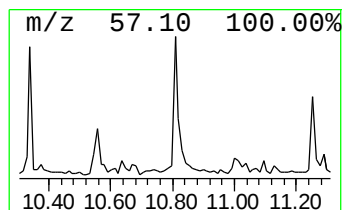
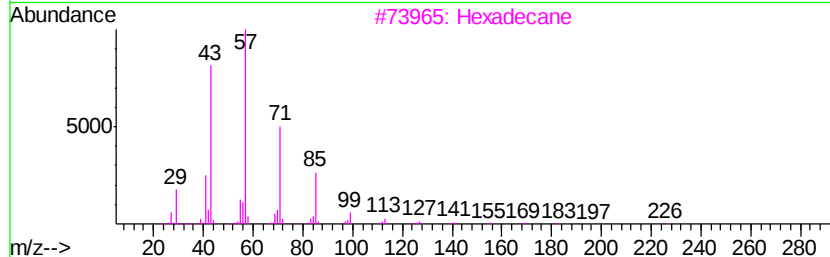
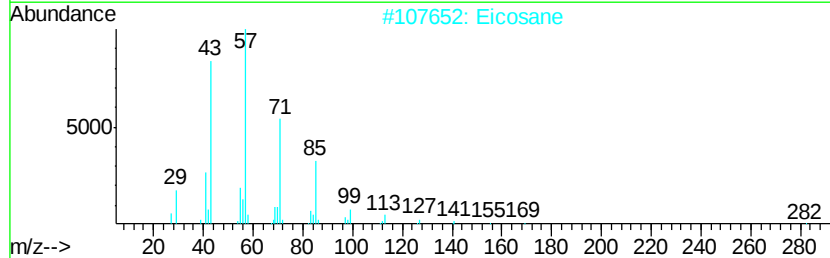
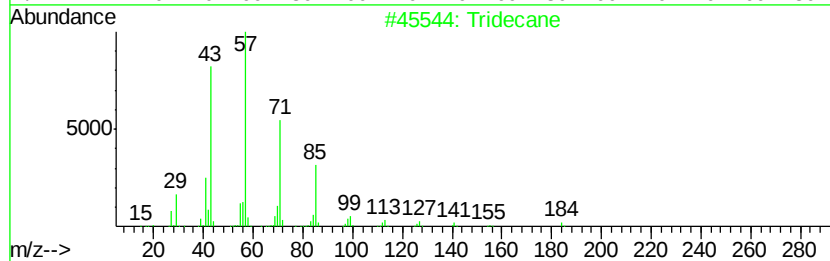
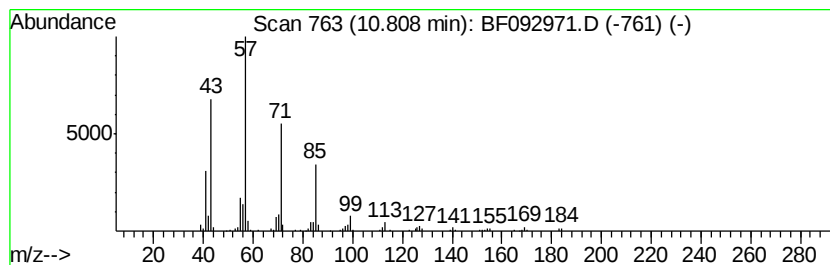
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Tridecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.81 | 3.57 ng | 243694 | Phenanthrene-d10 | 11.39 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane         |              | 184 | C13H28  | 000629-50-5 | 97   |
| 2       | Eicosane          |              | 282 | C20H42  | 000112-95-8 | 91   |
| 3       | Hexadecane        |              | 226 | C16H34  | 000544-76-3 | 90   |
| 4       | Tetratetracontane |              | 619 | C44H90  | 007098-22-8 | 90   |
| 5       | Pentadecane       |              | 212 | C15H32  | 000629-62-9 | 90   |



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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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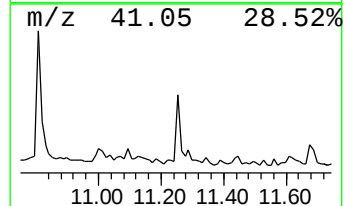
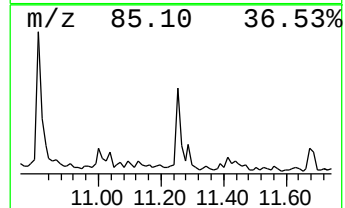
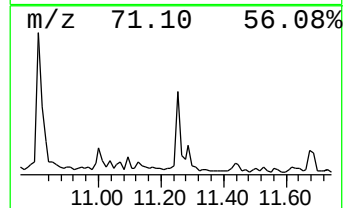
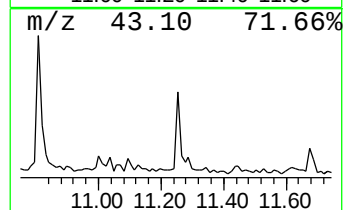
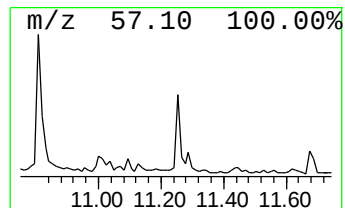
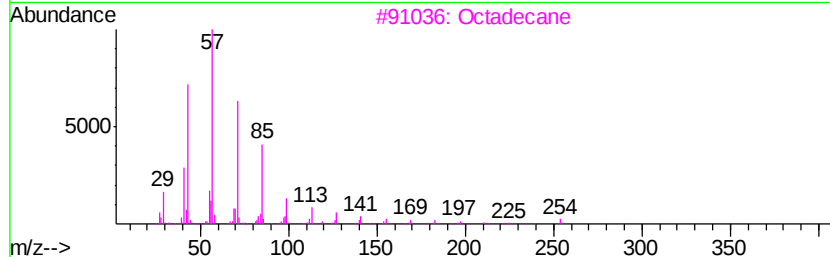
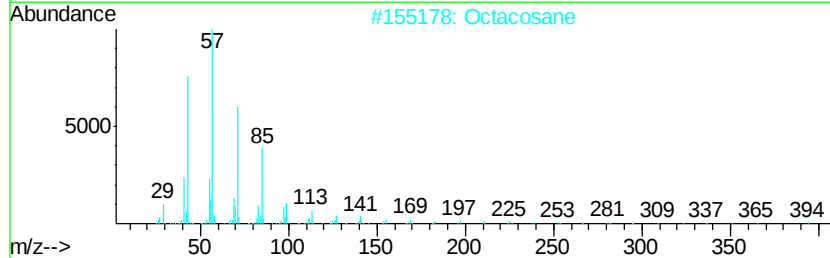
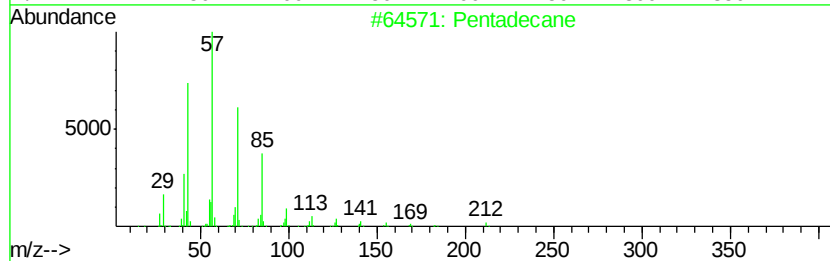
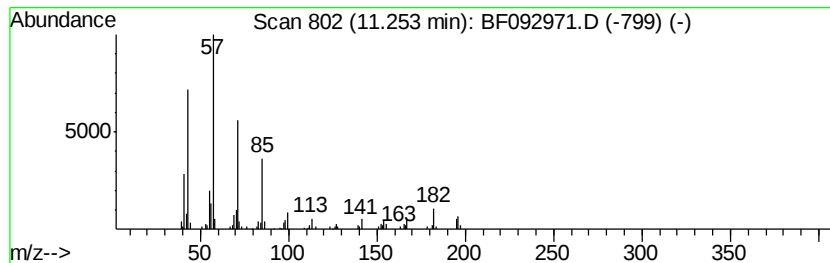
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentadecane Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.25 | 2.55 ng | 174006 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane  | 212 | C15H32  | 000629-62-9 | 64   |
| 2    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 59   |
| 3    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 58   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 53   |
| 5    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
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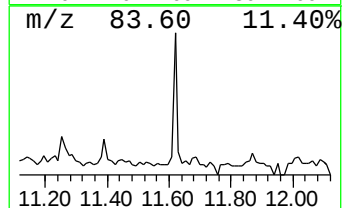
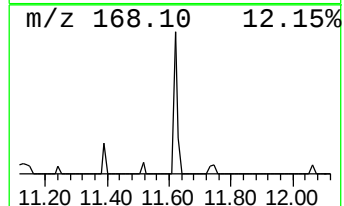
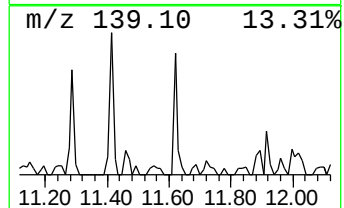
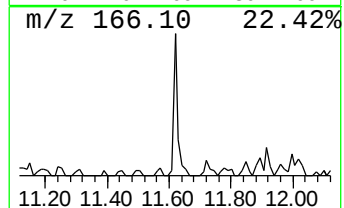
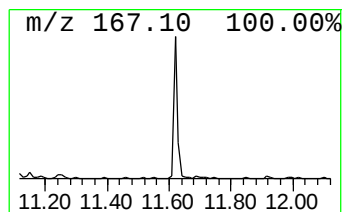
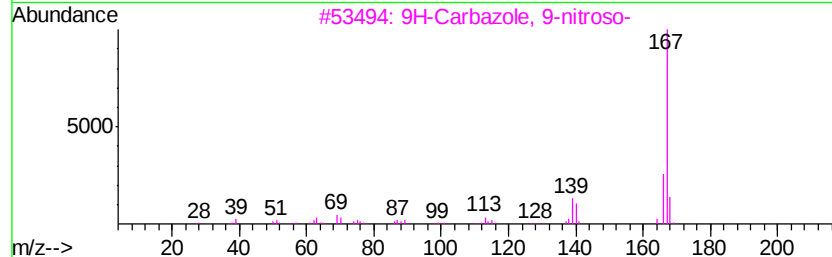
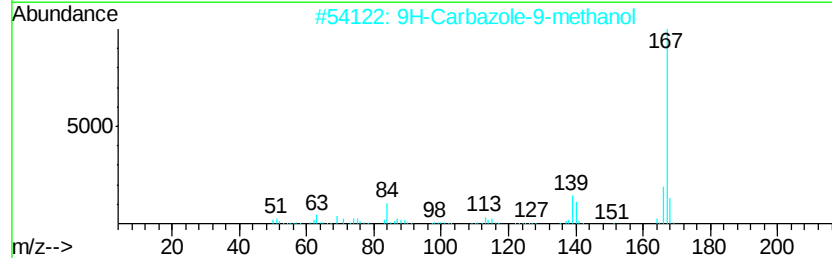
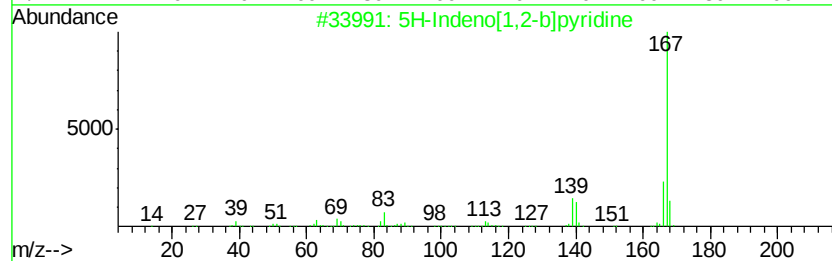
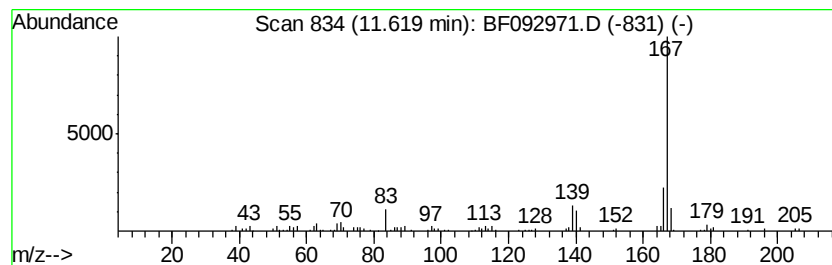
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ClientSampleId :  
38-BC-01-0-2

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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 7 5H-Indeno[1,2-b]pyridine Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.62     | 2.95 ng                             | 201302 | Phenanthrene-d10 | 11.39       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 5H-Indeno[1,2-b]pyridine            | 167    | C12H9N           | 000244-99-5 | 94   |
| 2         | 9H-Carbazole-9-methanol             | 197    | C13H11NO         | 002409-36-1 | 83   |
| 3         | 9H-Carbazole, 9-nitroso-            | 196    | C12H8N2O         | 002788-23-0 | 83   |
| 4         | Carbazole                           | 167    | C12H9N           | 000086-74-8 | 83   |
| 5         | D-Galactitol, 2-(acetylmethylami... | 363    | C16H29NO8        | 074410-42-7 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

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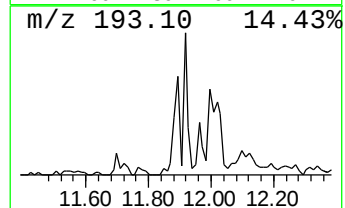
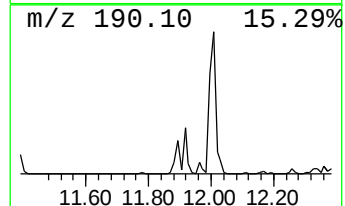
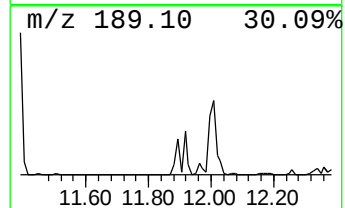
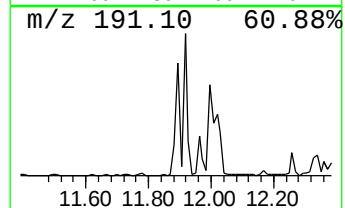
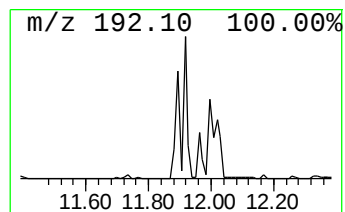
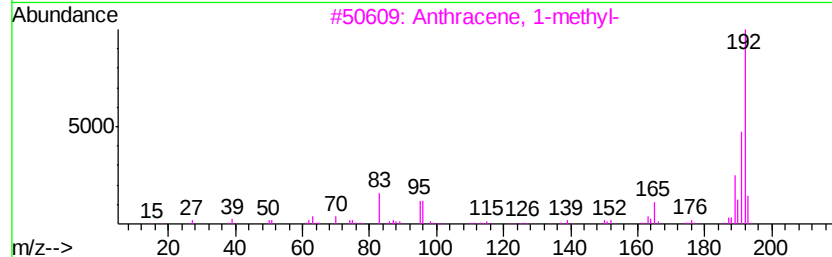
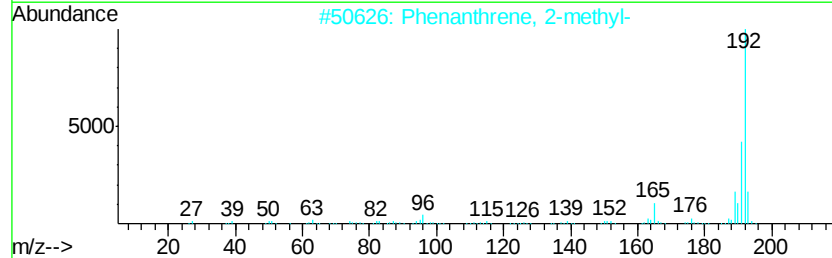
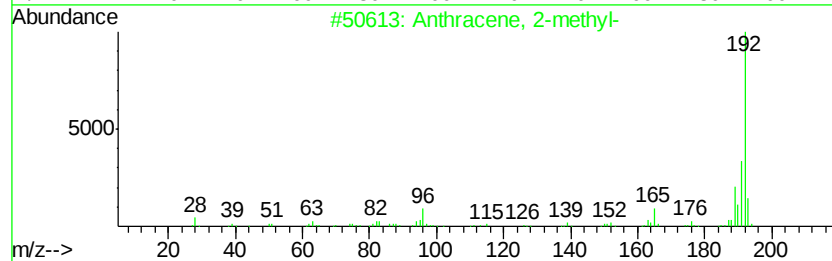
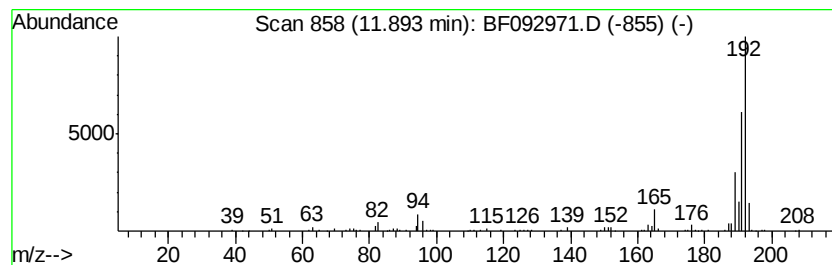
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.89 | 3.59 ng | 244895 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 2    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 92   |
| 3    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 91   |
| 4    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 91   |
| 5    |    | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
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Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

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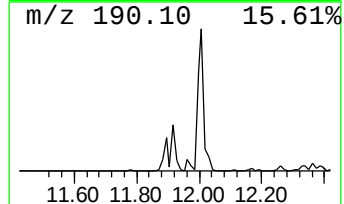
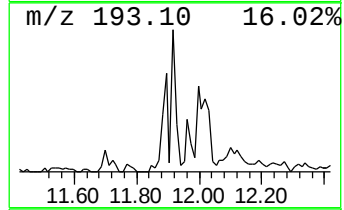
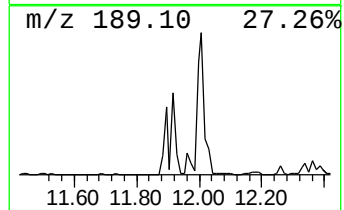
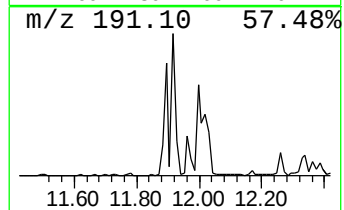
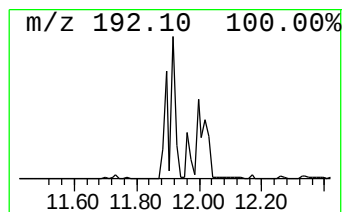
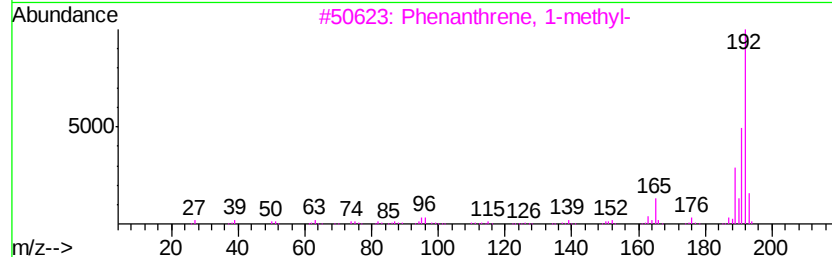
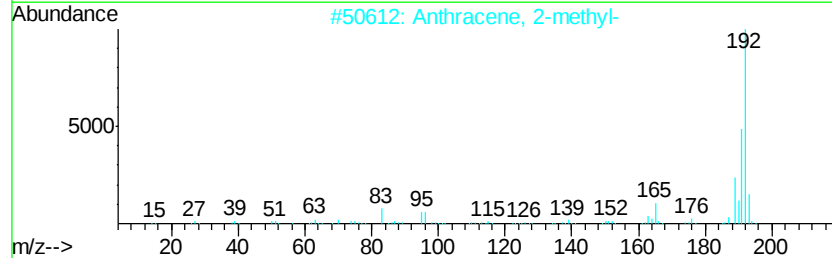
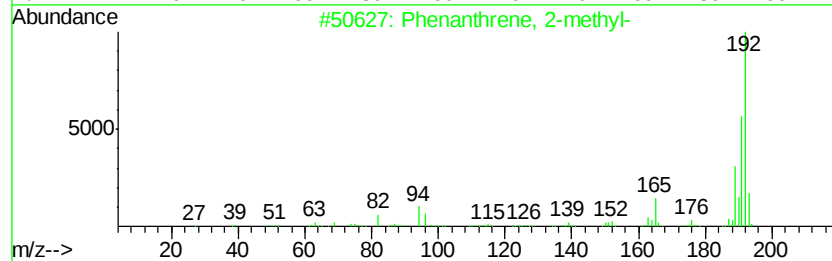
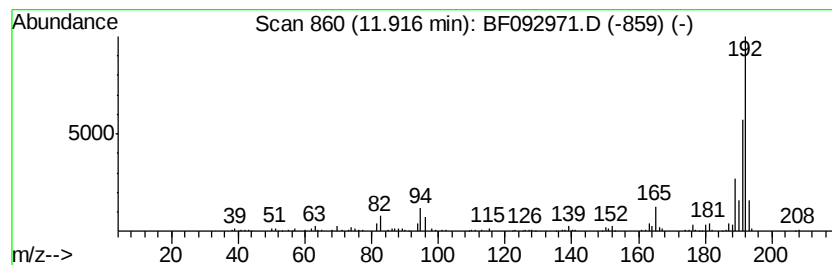
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.92 | 4.15 ng | 283469 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 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 | 96   |
| 4    |    | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 95   |
| 5    |    | Anthracene, 9-methyl-                 | 192 | C15H12  | 000779-02-2 | 94   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

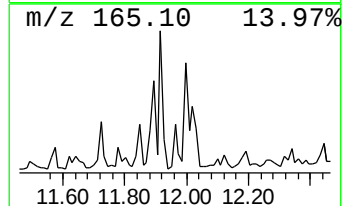
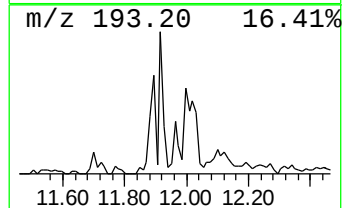
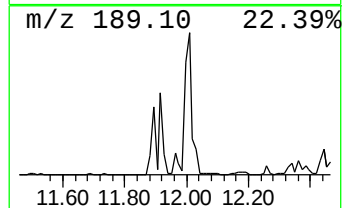
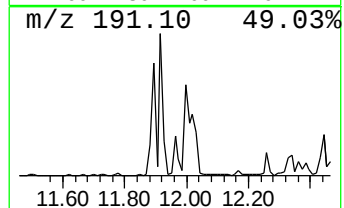
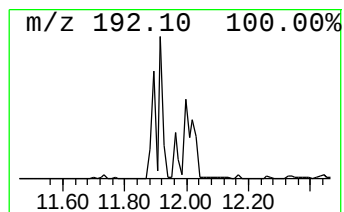
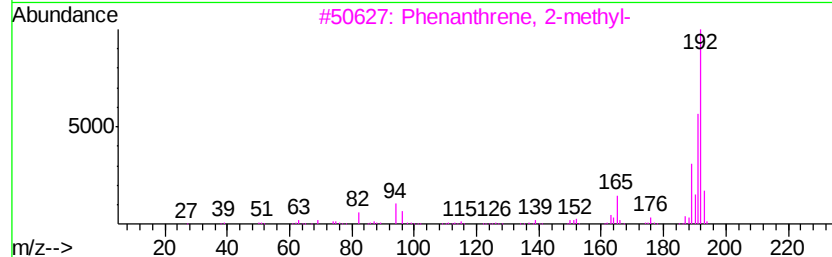
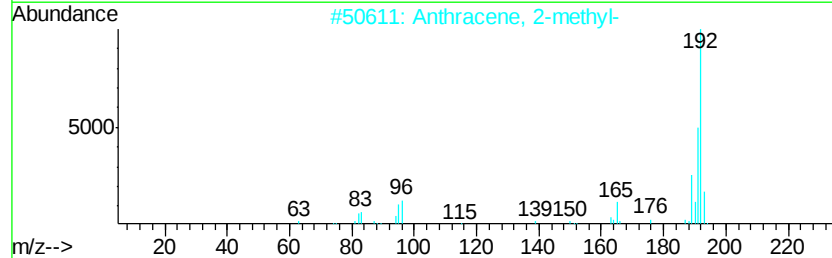
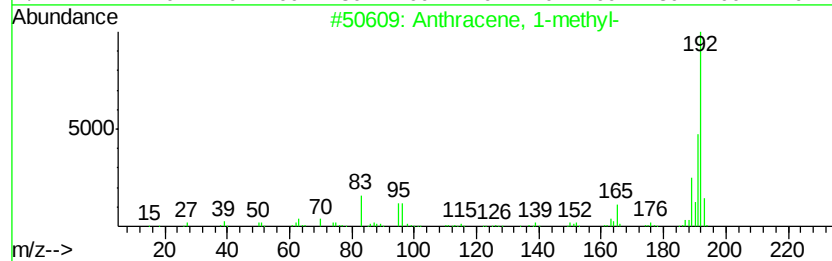
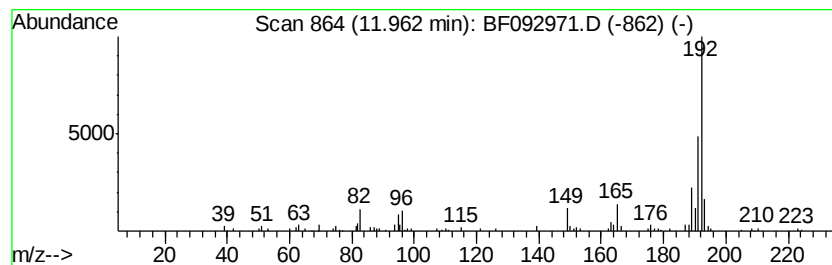
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Anthracene, 1-methyl- Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.96 | 2.15 ng | 146841 | Phenanthrene-d10 | 11.39 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-                 | 192 | C15H12  | 000610-48-0 | 97   |
| 2    |    |   | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Phenanthrene, 1-methyl-               | 192 | C15H12  | 000832-69-9 | 96   |
| 5    |    |   | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

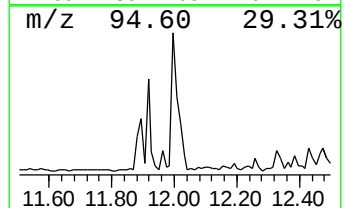
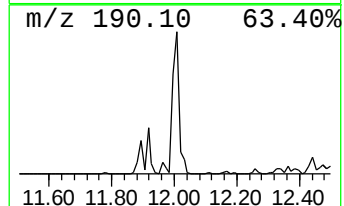
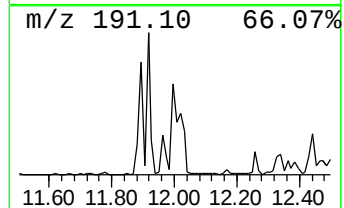
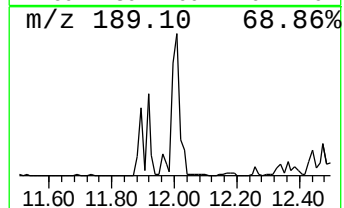
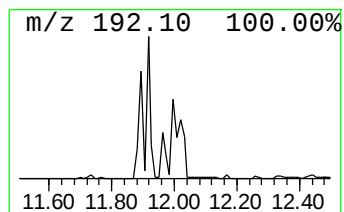
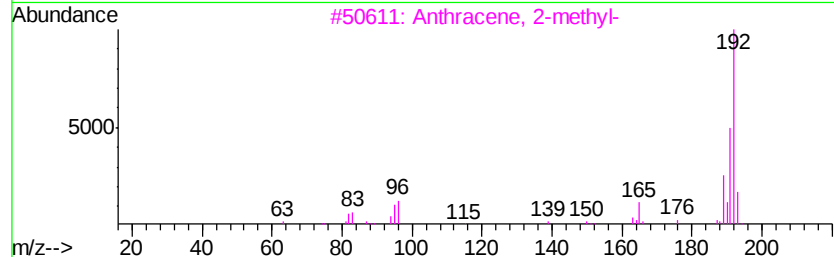
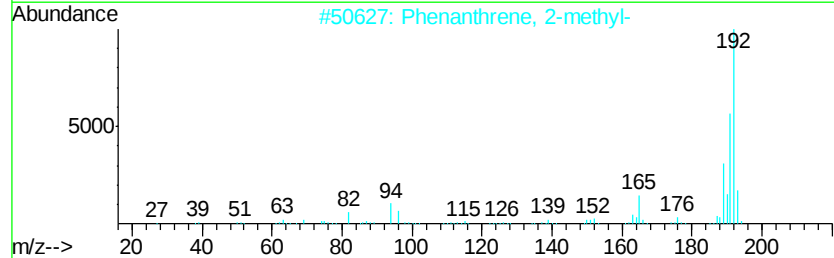
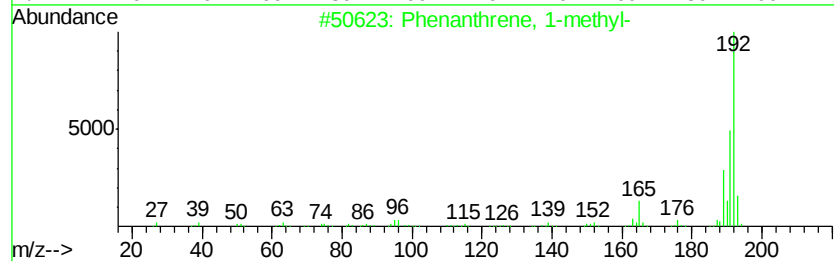
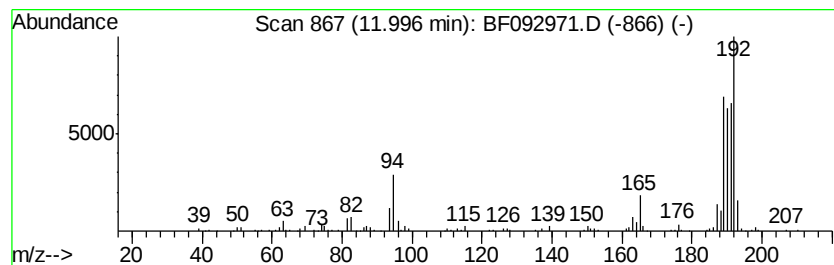
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.00 | 7.61 ng | 519381 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 87   |
| 2    |    | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 60   |
| 3    |    | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 55   |
| 4    |    | 1H-Indene, 2-phenyl-        | 192 | C15H12  | 004505-48-0 | 55   |
| 5    |    | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 55   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

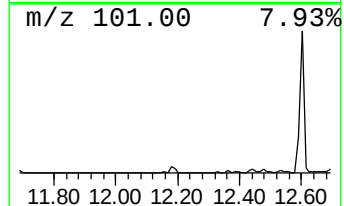
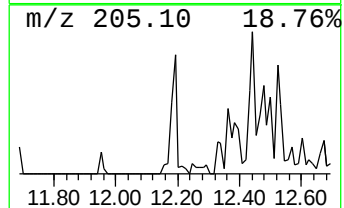
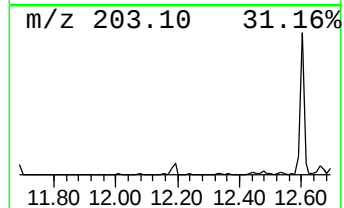
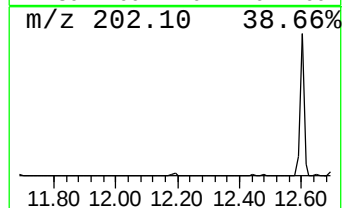
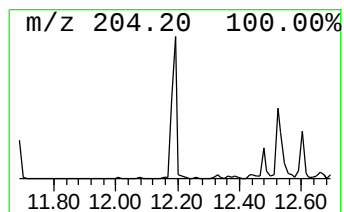
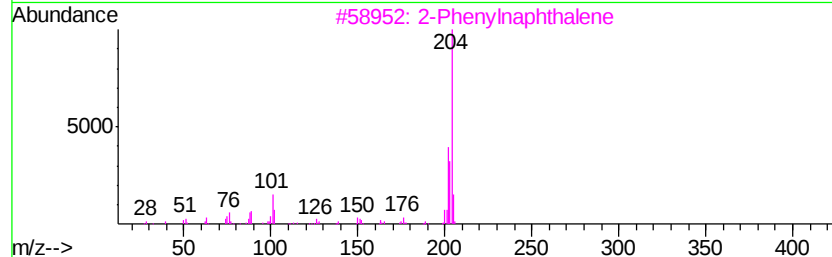
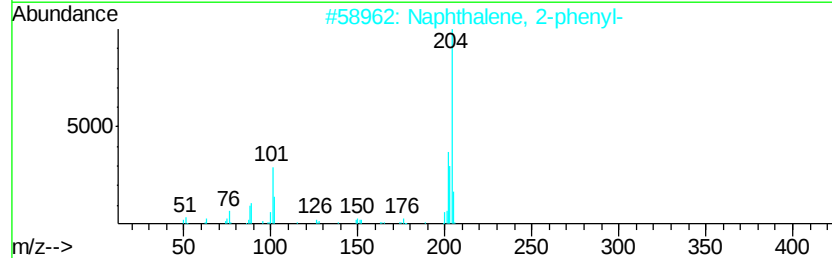
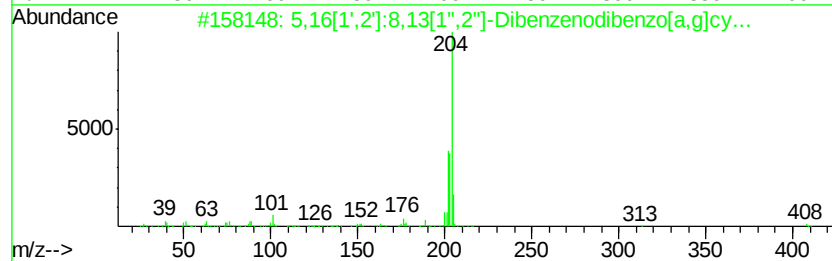
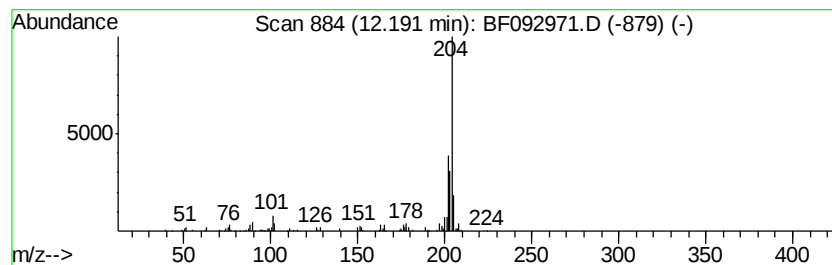
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.19 | 3.18 ng | 216721 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 86   |
| 2    |    | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 83   |
| 3    |    | 2-Phenylnaphthalene                 | 204 | C16H12  | 035465-71-5 | 83   |
| 4    |    | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12  | 006572-60-7 | 58   |
| 5    |    | Acephenanthrylene, 4,5-dihydro-     | 204 | C16H12  | 006232-48-0 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

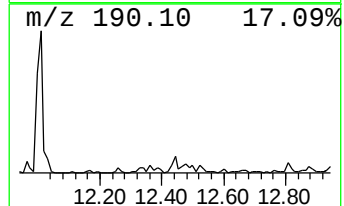
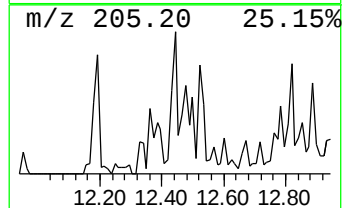
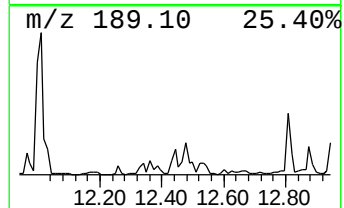
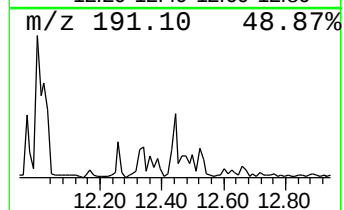
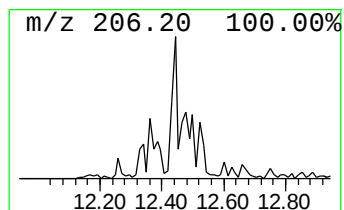
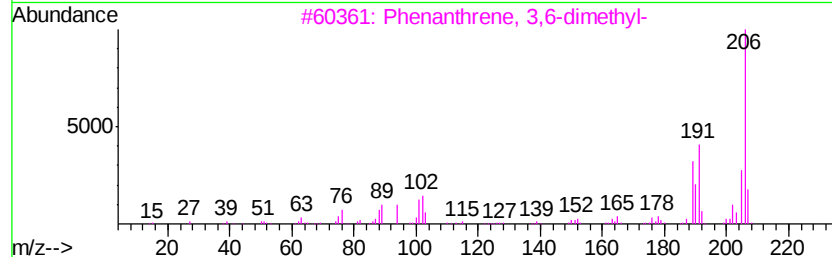
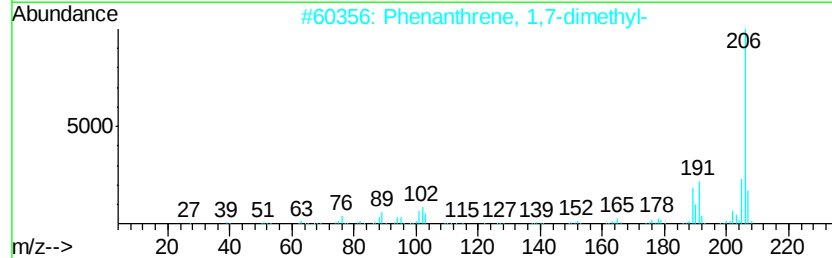
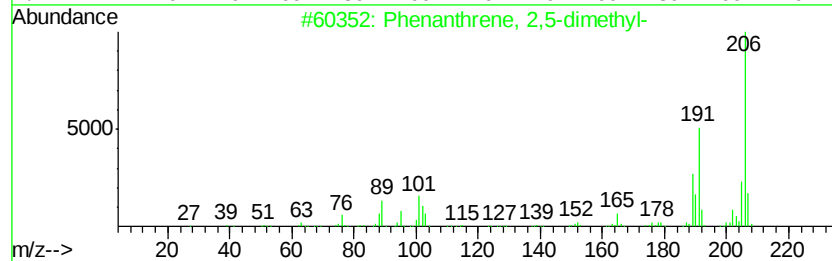
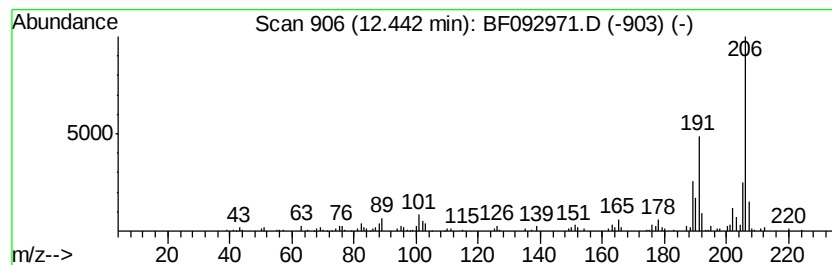
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.44 | 2.68 ng | 182732 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 95   |
| 2    |    | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 90   |
| 3    |    | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 90   |
| 4    |    | 9,10-Dimethylantracene      | 206 | C16H14  | 000781-43-1 | 87   |
| 5    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

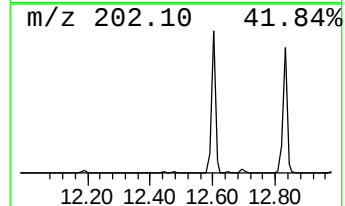
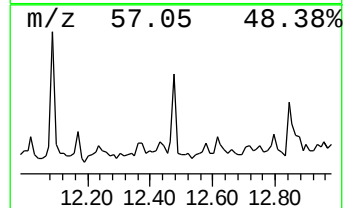
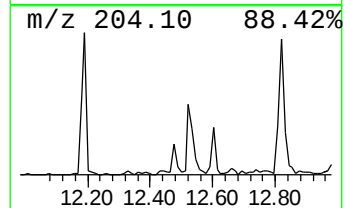
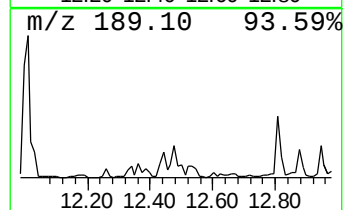
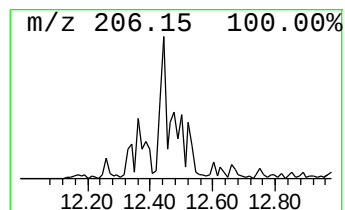
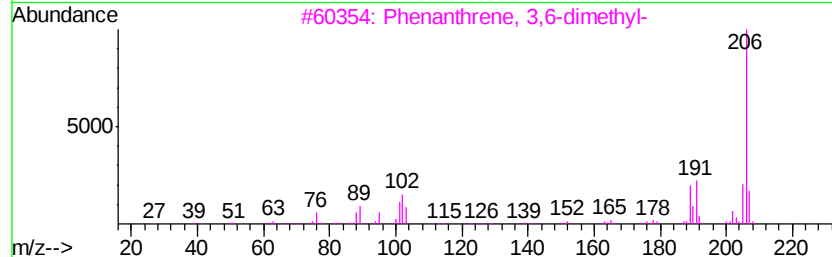
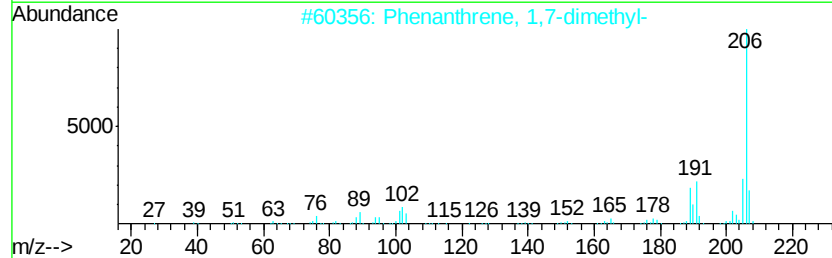
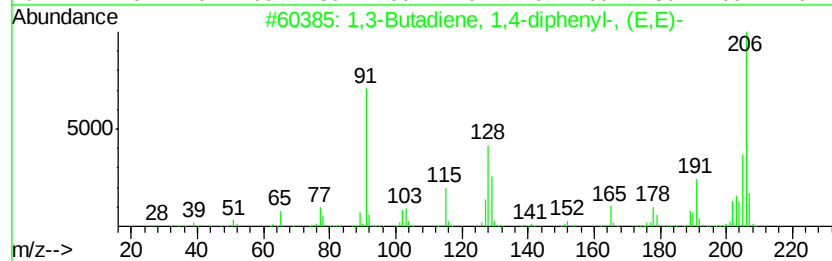
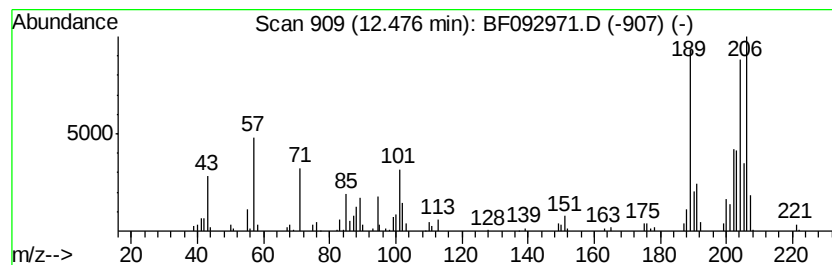
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown12.48 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.48 | 2.30 ng | 157261 | Phenanthrene-d10 | 11.39 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,3-Butadiene, 1,4-diphenyl-, (E... | 206 | C16H14  | 000538-81-8 | 25   |
| 2    |    | Phenanthrene, 1,7-dimethyl-         | 206 | C16H14  | 000483-87-4 | 25   |
| 3    |    | Phenanthrene, 3,6-dimethyl-         | 206 | C16H14  | 001576-67-6 | 25   |
| 4    |    | 5H-Dibenzo[a,d]cycloheptene, 5-m... | 204 | C16H12  | 002975-79-3 | 25   |
| 5    |    | Phenanthrene, 2,5-dimethyl-         | 206 | C16H14  | 003674-66-6 | 22   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

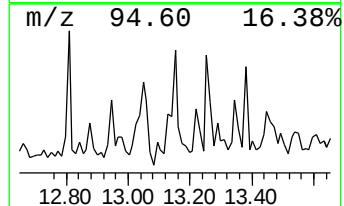
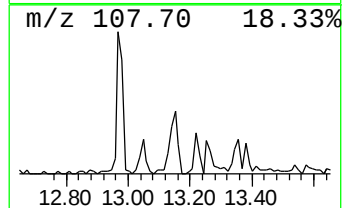
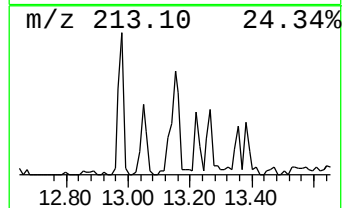
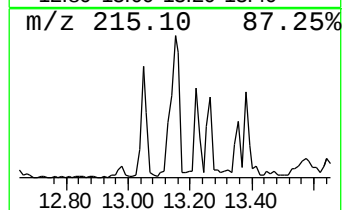
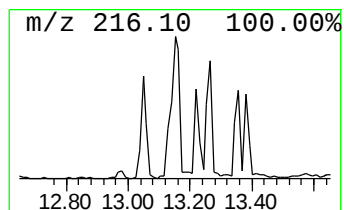
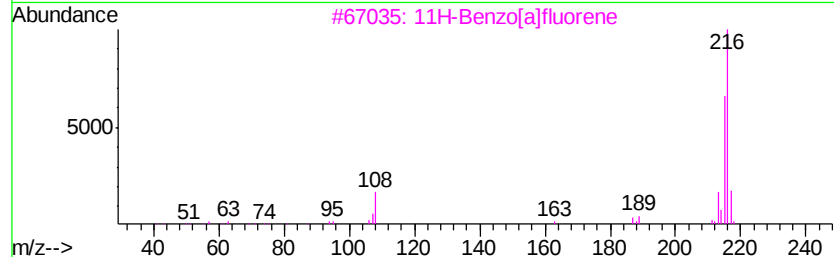
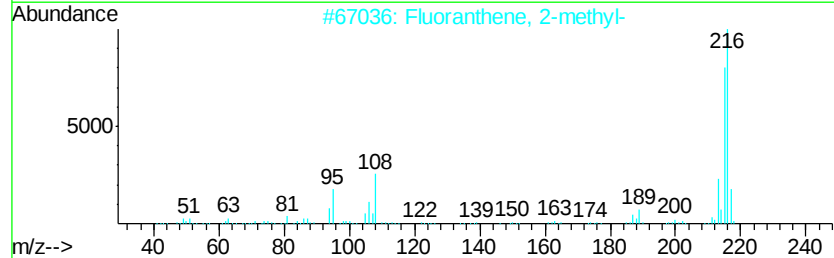
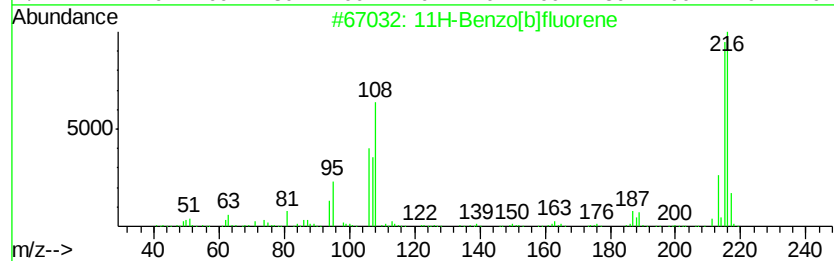
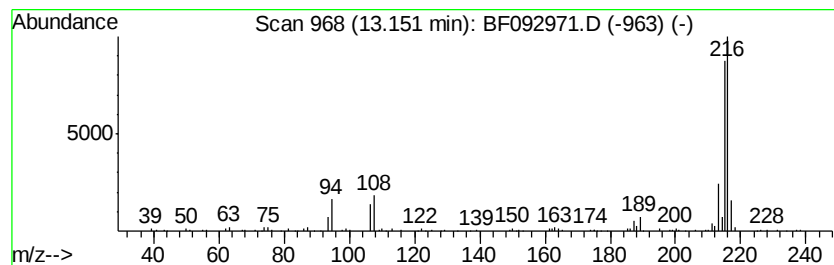
Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 11

| R.T.    | EstConc | Area                    | Relative to ISTD | R.T.           |
|---------|---------|-------------------------|------------------|----------------|
| 13.15   | 2.96 ng | 354326                  | Chrysene-d12     | 14.02          |
| Hit# of | 5       | Tentative ID            | MW MolForm       | CAS# Qual      |
| 1       |         | 11H-Benzo[b]fluorene    | 216 C17H12       | 000243-17-4 93 |
| 2       |         | Fluoranthene, 2-methyl- | 216 C17H12       | 033543-31-6 92 |
| 3       |         | 11H-Benzo[a]fluorene    | 216 C17H12       | 000238-84-6 91 |
| 4       |         | Pyrene, 1-methyl-       | 216 C17H12       | 002381-21-7 89 |
| 5       |         | Pyrene, 2-methyl-       | 216 C17H12       | 003442-78-2 89 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

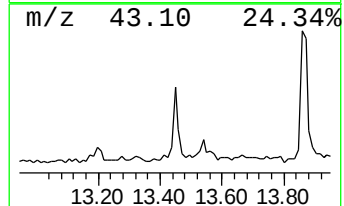
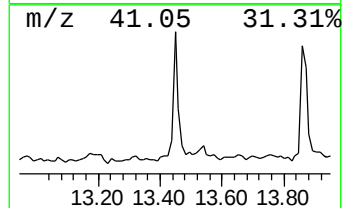
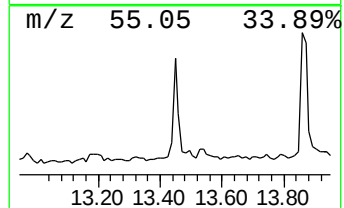
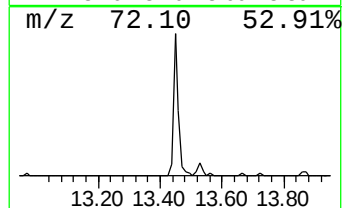
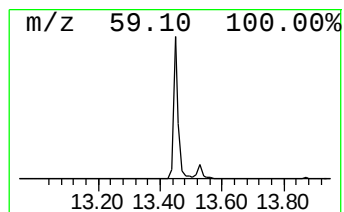
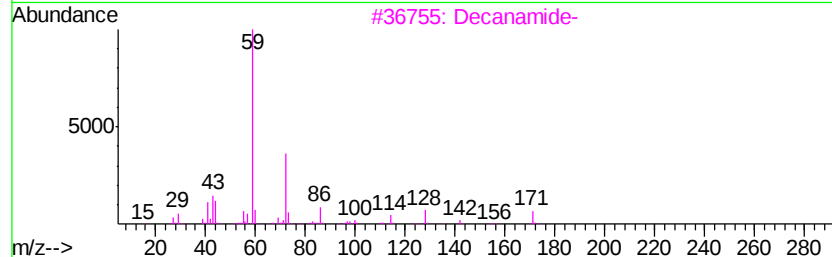
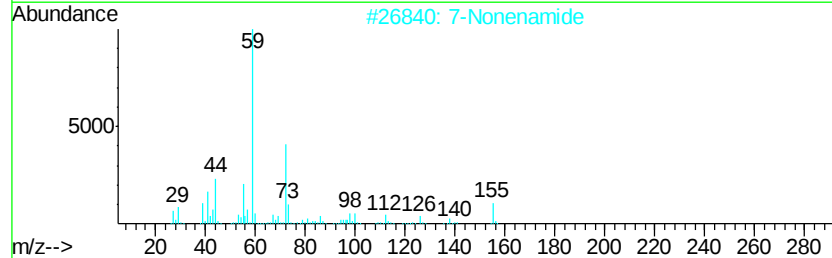
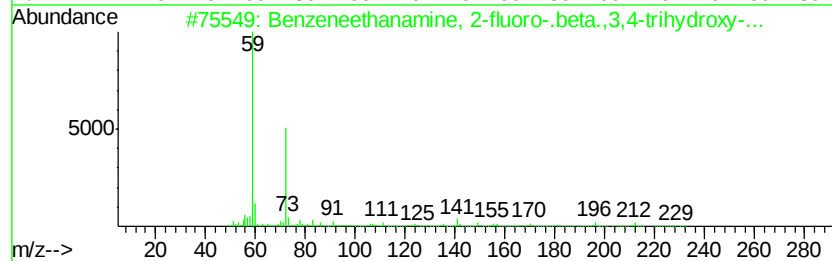
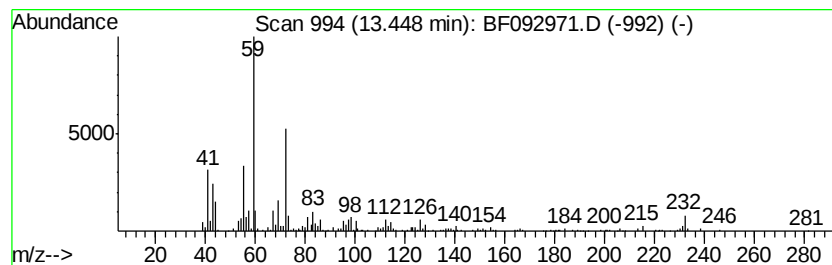
Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 Benzeneethanamine, 2-fluoro... Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.45     | 2.34 ng                             | 280359 | Chrysene-d12     | 14.02        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Benzeneethanamine, 2-fluoro-.bet... | 229    | C11H16FN03       | 061338-98-5  | 80   |
| 2         | 7-Nonenamide                        | 155    | C9H17NO          | 090949-53-4  | 72   |
| 3         | Decanamide-                         | 171    | C10H21NO         | 002319-29-1  | 72   |
| 4         | Hexadecanamide                      | 255    | C16H33NO         | 000629-54-9  | 59   |
| 5         | Pentadecanamide, 15-bromo-          | 319    | C15H30BrNO       | 1000163-86-1 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

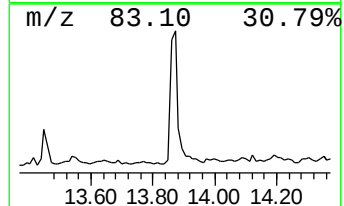
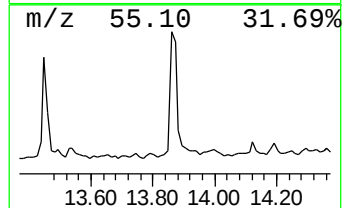
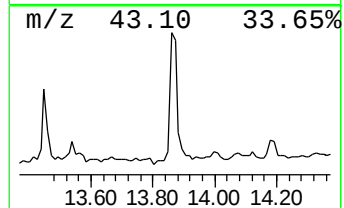
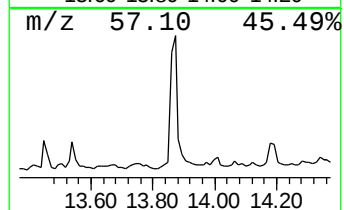
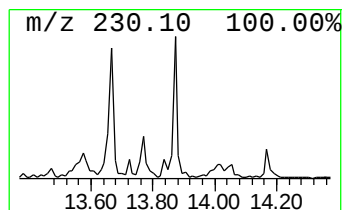
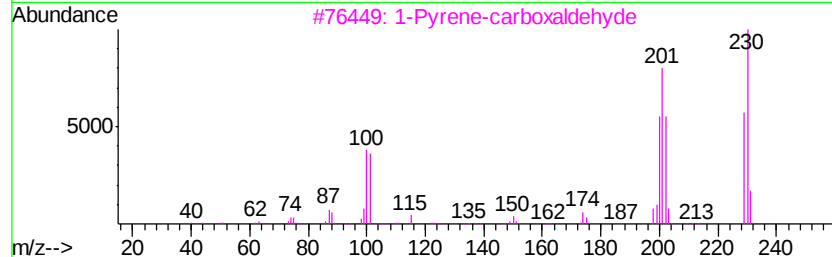
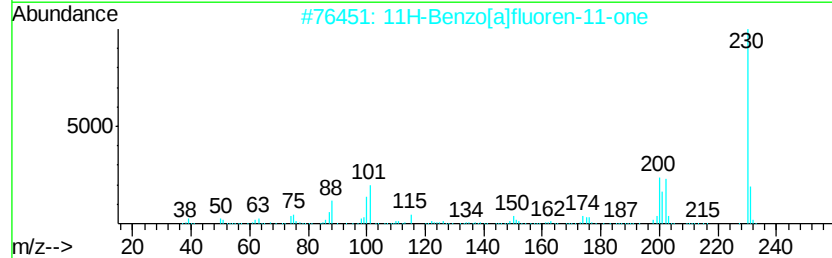
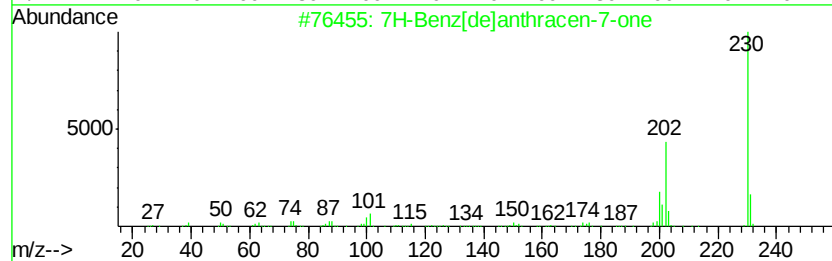
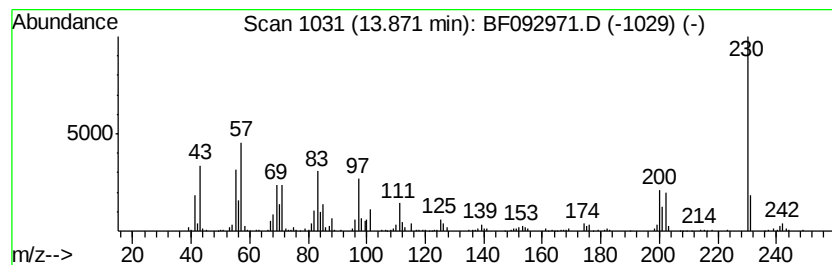
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.87 | 3.49 ng | 418350 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64   |
| 2    |    | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 62   |
| 3    |    | 1-Pyrene-carboxaldehyde    | 230 | C17H10O | 003029-19-4 | 53   |
| 4    |    | p-Terphenyl                | 230 | C18H14  | 000092-94-4 | 43   |
| 5    |    | m-Terphenyl                | 230 | C18H14  | 000092-06-8 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
Data File : BF092971.D  
Acq On : 16 Feb 2017 00:31  
Operator : SJ/MA  
Sample : I1822-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

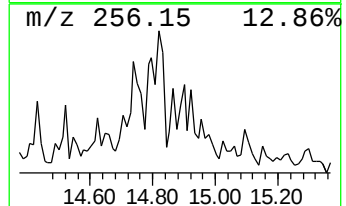
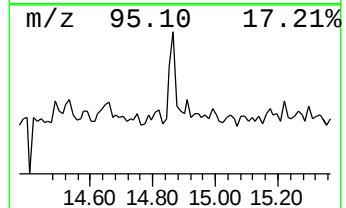
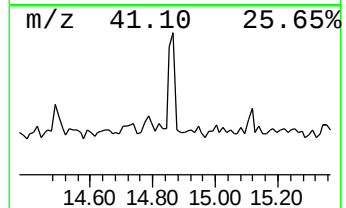
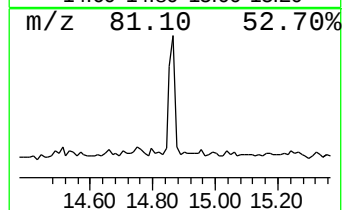
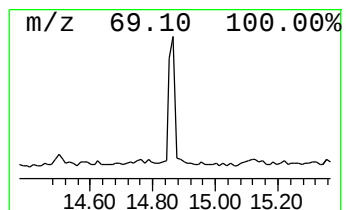
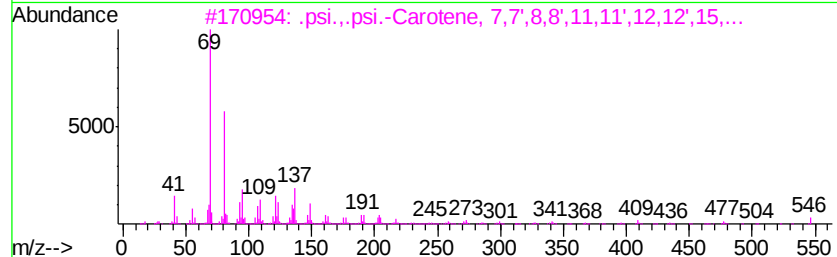
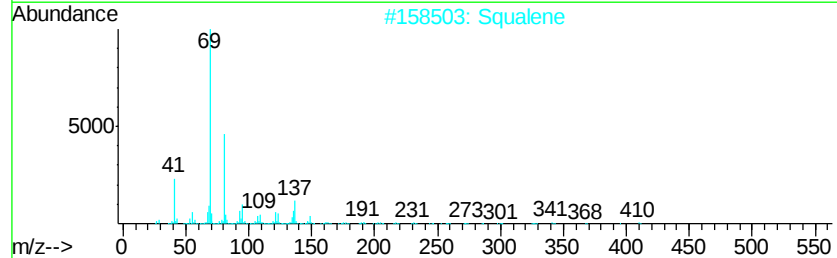
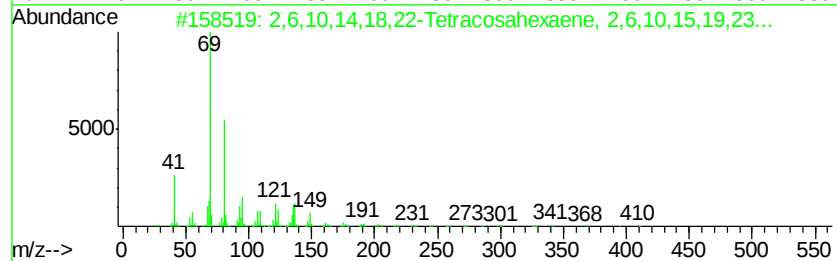
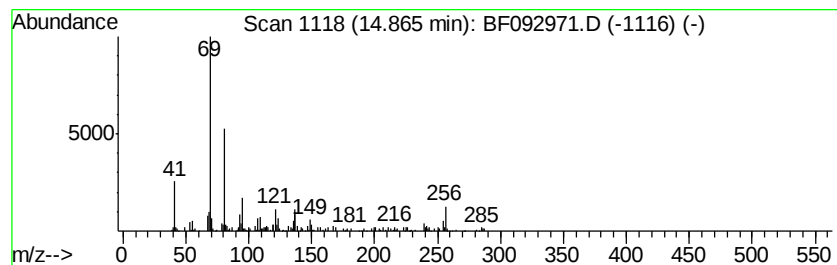
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 2,6,10,14,18,22-Tetracosahexaene... Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.87 | 2.16 ng | 118151 | 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  | 74      |      |      |
| 2    | Squalene                            | 410 | C30H50       | 007683-64-9  | 74      |      |      |
| 3    | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66       | 000502-62-5  | 64      |      |      |
| 4    | Trideca-1,3,7,11-tetraene-1,1-di... | 268 | C18H24N2     | 1000159-88-9 | 53      |      |      |
| 5    | 2,6-Dimethyl-2-trans-6-octadiene    | 138 | C10H18       | 002609-23-6  | 52      |      |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
 Data File : BF092971.D  
 Acq On : 16 Feb 2017 00:31  
 Operator : SJ/MA  
 Sample : I1822-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 38-BC-01-0-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.05  | 40.6    | ng    | 1829890  | 1                     | 6.88  | 900524  | 20.0 |
| unknown6.64          | 6.64  | 86.3    | ng    | 3887010  | 1                     | 6.88  | 900524  | 20.0 |
| unknown9.84          | 9.84  | 2.9     | ng    | 189602   | 3                     | 9.90  | 1314060 | 20.0 |
| Tridecane            | 10.81 | 3.6     | ng    | 243694   | 4                     | 11.39 | 1364600 | 20.0 |
| Pentadecane          | 11.25 | 2.5     | ng    | 174006   | 4                     | 11.39 | 1364600 | 20.0 |
| 5H-Indeno[1,2-b]p... | 11.62 | 3.0     | ng    | 201302   | 4                     | 11.39 | 1364600 | 20.0 |
| Anthracene, 2-met... | 11.89 | 3.6     | ng    | 244895   | 4                     | 11.39 | 1364600 | 20.0 |
| Phenanthrene, 2-m... | 11.92 | 4.2     | ng    | 283469   | 4                     | 11.39 | 1364600 | 20.0 |
| Anthracene, 1-met... | 11.96 | 2.1     | ng    | 146841   | 4                     | 11.39 | 1364600 | 20.0 |
| Phenanthrene, 1-m... | 12.00 | 7.6     | ng    | 519381   | 4                     | 11.39 | 1364600 | 20.0 |
| 5,16[1',2']:8,13[... | 12.19 | 3.2     | ng    | 216721   | 4                     | 11.39 | 1364600 | 20.0 |
| Phenanthrene, 2,5... | 12.44 | 2.7     | ng    | 182732   | 4                     | 11.39 | 1364600 | 20.0 |
| unknown12.48         | 12.48 | 2.3     | ng    | 157261   | 4                     | 11.39 | 1364600 | 20.0 |
| 11H-Benzo[b]fluorene | 13.15 | 3.0     | ng    | 354326   | 5                     | 14.02 | 2394550 | 20.0 |
| Benzeneethanamine... | 13.45 | 2.3     | ng    | 280359   | 5                     | 14.02 | 2394550 | 20.0 |
| 7H-Benz[de]anthra... | 13.87 | 3.5     | ng    | 418350   | 5                     | 14.02 | 2394550 | 20.0 |
| 2,6,10,14,18,22-T... | 14.87 | 2.2     | ng    | 118151   | 6                     | 15.46 | 1093620 | 20.0 |