

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
 Data File : BF088679.D  
 Acq On : 4 Jul 2016 7:17  
 Operator : UM/SJ  
 Sample : H3856-01  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPHC-B4(00-0.5)

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-BF063016.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         | 1.850       | 22            | 23          | 34           | rVB      | 64185          | 89513         | 3.35%           | 0.291%        |
| 2         | 2.993       | 121           | 123         | 137          | rBV      | 28588          | 101407        | 3.79%           | 0.329%        |
| 3         | 4.947       | 292           | 294         | 299          | rBB      | 104101         | 167685        | 6.27%           | 0.544%        |
| 4         | 5.382       | 329           | 332         | 334          | rBV      | 2497771        | 2673292       | 100.00%         | 8.678%        |
| 5         | 6.422       | 420           | 423         | 425          | rBV      | 2353317        | 2495370       | 93.34%          | 8.100%        |
| 6         | 6.547       | 432           | 434         | 437          | rBV      | 1983725        | 2547510       | 95.29%          | 8.269%        |
| 7         | 6.787       | 453           | 455         | 457          | rBV      | 684961         | 644052        | 24.09%          | 2.091%        |
| 8         | 6.936       | 466           | 468         | 471          | rVB      | 1466581        | 2023978       | 75.71%          | 6.570%        |
| 9         | 7.347       | 501           | 504         | 506          | rBV      | 1720989        | 1596354       | 59.71%          | 5.182%        |
| 10        | 8.068       | 565           | 567         | 569          | rBV      | 1037887        | 873496        | 32.67%          | 2.835%        |
| 11        | 9.142       | 659           | 661         | 664          | rBV      | 2300472        | 2477369       | 92.67%          | 8.042%        |
| 12        | 9.542       | 694           | 696         | 698          | rBV      | 428036         | 431532        | 16.14%          | 1.401%        |
| 13        | 9.759       | 714           | 715         | 718          | rBV      | 31285          | 27523         | 1.03%           | 0.089%        |
| 14        | 9.816       | 718           | 720         | 722          | rVV      | 1017249        | 854163        | 31.95%          | 2.773%        |
| 15        | 9.851       | 722           | 723         | 725          | rVB      | 70751          | 49906         | 1.87%           | 0.162%        |
| 16        | 10.022      | 736           | 738         | 739          | rVB      | 68968          | 60047         | 2.25%           | 0.195%        |
| 17        | 10.262      | 757           | 759         | 760          | rVB      | 44848          | 35723         | 1.34%           | 0.116%        |
| 18        | 10.365      | 766           | 768         | 770          | rBV      | 45618          | 63417         | 2.37%           | 0.206%        |
| 19        | 10.605      | 786           | 789         | 791          | rVV      | 1228555        | 1496363       | 55.97%          | 4.857%        |
| 20        | 10.708      | 795           | 798         | 799          | rVV2     | 26500          | 38620         | 1.44%           | 0.125%        |
| 21        | 10.731      | 799           | 800         | 805          | rVB      | 60089          | 64494         | 2.41%           | 0.209%        |
| 22        | 10.936      | 811           | 818         | 819          | rBV6     | 15485          | 53225         | 1.99%           | 0.173%        |
| 23        | 11.074      | 826           | 830         | 831          | rBV4     | 15469          | 39125         | 1.46%           | 0.127%        |
| 24        | 11.096      | 831           | 832         | 835          | rVB      | 64944          | 52302         | 1.96%           | 0.170%        |
| 25        | 11.176      | 838           | 839         | 845          | rVV      | 116308         | 168071        | 6.29%           | 0.546%        |
| 26        | 11.314      | 847           | 851         | 853          | rVV2     | 839456         | 1502774       | 56.21%          | 4.878%        |
| 27        | 11.371      | 853           | 856         | 857          | rVV      | 136018         | 179162        | 6.70%           | 0.582%        |
| 28        | 11.394      | 857           | 858         | 862          | rVB3     | 20278          | 30129         | 1.13%           | 0.098%        |
| 29        | 11.519      | 867           | 869         | 871          | rVV      | 97583          | 95374         | 3.57%           | 0.310%        |
| 30        | 11.599      | 874           | 876         | 881          | rVB2     | 72239          | 100541        | 3.76%           | 0.326%        |
| 31        | 11.794      | 891           | 893         | 894          | rBV      | 85035          | 68419         | 2.56%           | 0.222%        |
| 32        | 11.816      | 894           | 895         | 898          | rVB      | 92915          | 114725        | 4.29%           | 0.372%        |
| 33        | 11.862      | 898           | 899         | 901          | rVB      | 40366          | 39869         | 1.49%           | 0.129%        |
| 34        | 11.908      | 901           | 903         | 907          | rVB      | 89440          | 172570        | 6.46%           | 0.560%        |

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 ALS Vial : 38 Sample Multiplier: 1

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 ClientSampleId :  
 EPHC-B4(00-0.5)

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-BF063016.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.011 | 907  | 912  | 914  | rBV3 | 15935   | 44615   | 1.67%  | 0.145% |
| 36 | 12.102 | 916  | 920  | 924  | rVB2 | 73296   | 133405  | 4.99%  | 0.433% |
| 37 | 12.342 | 938  | 941  | 942  | rBV  | 51255   | 60052   | 2.25%  | 0.195% |
| 38 | 12.422 | 947  | 948  | 951  | rVB2 | 44333   | 39830   | 1.49%  | 0.129% |
| 39 | 12.502 | 952  | 955  | 957  | rVB  | 931458  | 912788  | 34.14% | 2.963% |
| 40 | 12.559 | 957  | 960  | 962  | rBV2 | 18388   | 36686   | 1.37%  | 0.119% |
| 41 | 12.651 | 964  | 968  | 971  | rBV3 | 32770   | 76637   | 2.87%  | 0.249% |
| 42 | 12.719 | 971  | 974  | 977  | rBV2 | 587442  | 870929  | 32.58% | 2.827% |
| 43 | 12.777 | 977  | 979  | 982  | rVB3 | 30403   | 50327   | 1.88%  | 0.163% |
| 44 | 12.845 | 983  | 985  | 986  | rBV  | 50383   | 56232   | 2.10%  | 0.183% |
| 45 | 12.879 | 986  | 988  | 990  | rVB  | 1858346 | 1884653 | 70.50% | 6.118% |
| 46 | 12.948 | 990  | 994  | 998  | rVB3 | 45795   | 73354   | 2.74%  | 0.238% |
| 47 | 13.051 | 998  | 1003 | 1005 | rBV2 | 78254   | 140377  | 5.25%  | 0.456% |
| 48 | 13.119 | 1007 | 1009 | 1010 | rBV  | 56398   | 43815   | 1.64%  | 0.142% |
| 49 | 13.154 | 1010 | 1012 | 1014 | rBV  | 81710   | 87680   | 3.28%  | 0.285% |
| 50 | 13.245 | 1019 | 1020 | 1022 | rVB  | 44214   | 33472   | 1.25%  | 0.109% |
| 51 | 13.279 | 1022 | 1023 | 1025 | rBV  | 35653   | 31309   | 1.17%  | 0.102% |
| 52 | 13.417 | 1033 | 1035 | 1036 | rBV  | 22577   | 28739   | 1.08%  | 0.093% |
| 53 | 13.554 | 1045 | 1047 | 1050 | rBV  | 74151   | 75850   | 2.84%  | 0.246% |
| 54 | 13.668 | 1054 | 1057 | 1058 | rBV2 | 68829   | 104133  | 3.90%  | 0.338% |
| 55 | 13.737 | 1058 | 1063 | 1064 | rVV3 | 56470   | 176589  | 6.61%  | 0.573% |
| 56 | 13.759 | 1064 | 1065 | 1067 | rVV  | 84966   | 78266   | 2.93%  | 0.254% |
| 57 | 13.805 | 1067 | 1069 | 1075 | rVV3 | 76845   | 189678  | 7.10%  | 0.616% |
| 58 | 13.920 | 1075 | 1079 | 1084 | rVV3 | 781697  | 1483023 | 55.48% | 4.814% |
| 59 | 14.022 | 1086 | 1088 | 1090 | rVV  | 45936   | 64920   | 2.43%  | 0.211% |
| 60 | 14.102 | 1093 | 1095 | 1096 | rVV  | 67845   | 71307   | 2.67%  | 0.231% |
| 61 | 14.137 | 1096 | 1098 | 1102 | rVB4 | 39044   | 90114   | 3.37%  | 0.293% |
| 62 | 14.297 | 1110 | 1112 | 1114 | rVB  | 43682   | 61039   | 2.28%  | 0.198% |
| 63 | 14.331 | 1114 | 1115 | 1117 | rVB2 | 31537   | 40515   | 1.52%  | 0.132% |
| 64 | 14.400 | 1119 | 1121 | 1122 | rBV2 | 33083   | 42594   | 1.59%  | 0.138% |
| 65 | 14.914 | 1164 | 1166 | 1171 | rBV  | 288549  | 661929  | 24.76% | 2.149% |
| 66 | 15.017 | 1173 | 1175 | 1177 | rVB  | 85255   | 94942   | 3.55%  | 0.308% |
| 67 | 15.200 | 1188 | 1191 | 1193 | rVB  | 189913  | 247385  | 9.25%  | 0.803% |
| 68 | 15.257 | 1193 | 1196 | 1198 | rBV  | 205106  | 290563  | 10.87% | 0.943% |
| 69 | 15.314 | 1198 | 1201 | 1202 | rBV  | 450207  | 538779  | 20.15% | 1.749% |
| 70 | 16.640 | 1314 | 1317 | 1321 | rVB2 | 121582  | 237121  | 8.87%  | 0.770% |
| 71 | 17.040 | 1348 | 1352 | 1356 | rVB  | 89405   | 188264  | 7.04%  | 0.611% |

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Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

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-BF063016.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |       |       |       |        |
|----|--------|------|------|------|-----|-------|-------|-------|--------|
| 72 | 17.246 | 1368 | 1370 | 1373 | rBV | 21972 | 36408 | 1.36% | 0.118% |
|----|--------|------|------|------|-----|-------|-------|-------|--------|

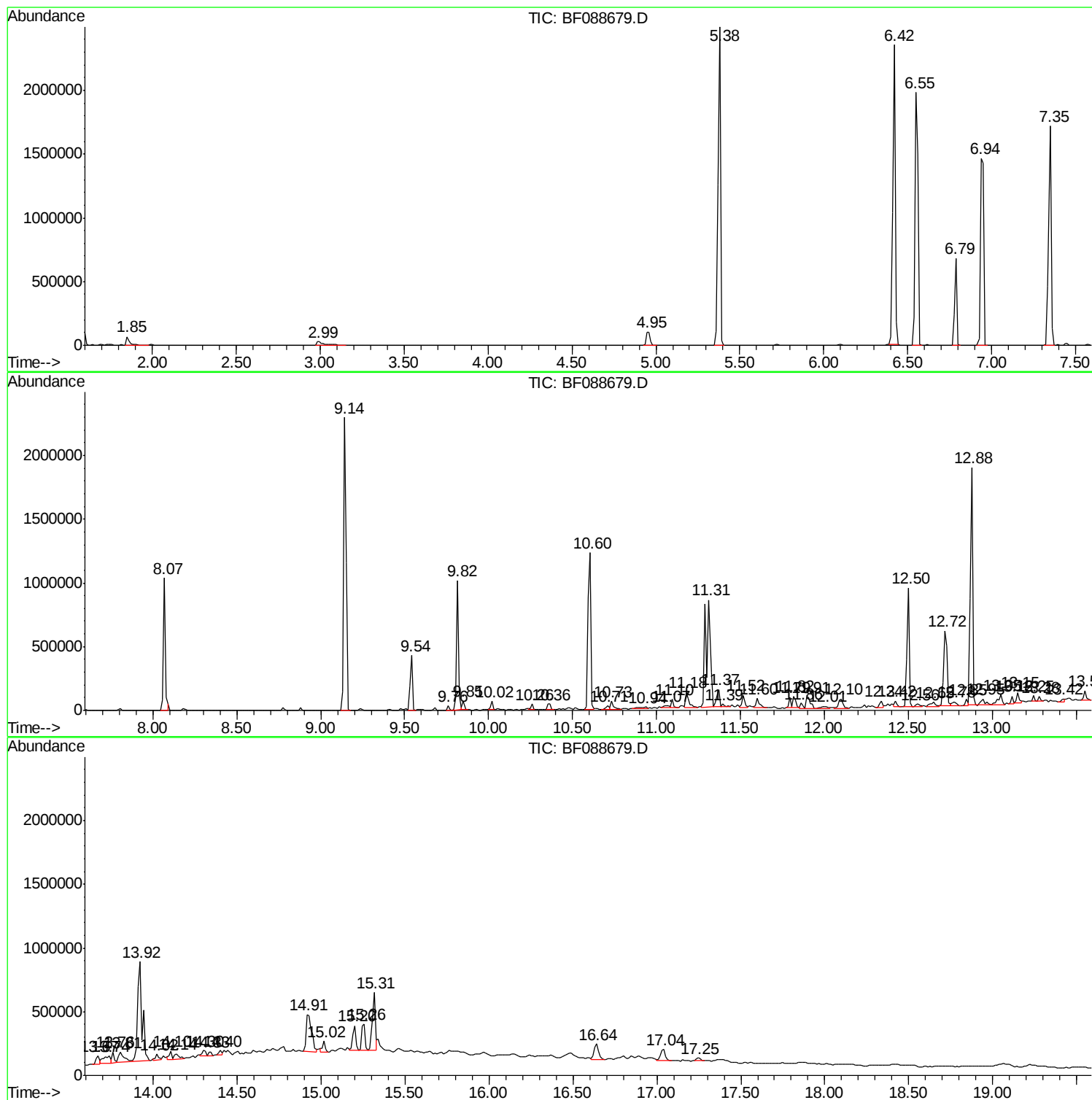
Sum of corrected areas: 30806419

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070316\  
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Acq On : 4 Jul 2016 7:17  
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Instrument :  
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EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070316\  
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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

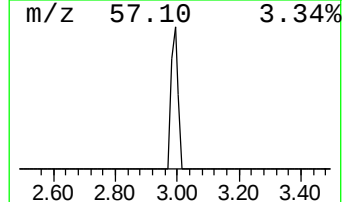
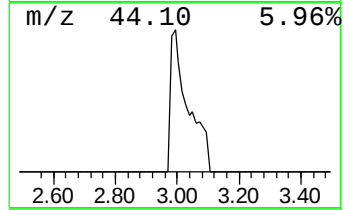
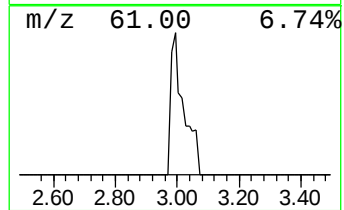
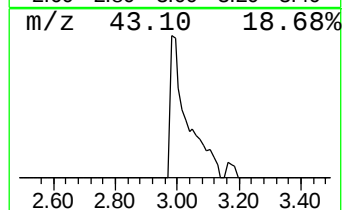
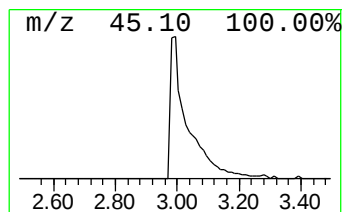
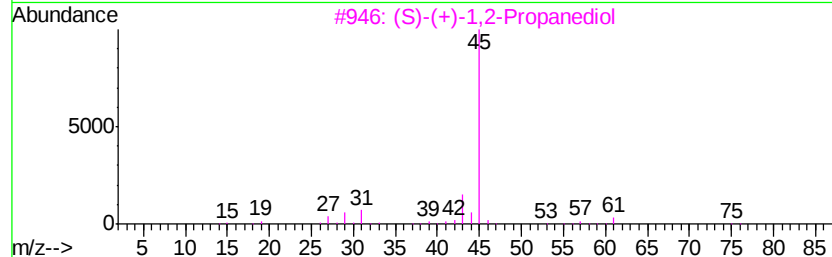
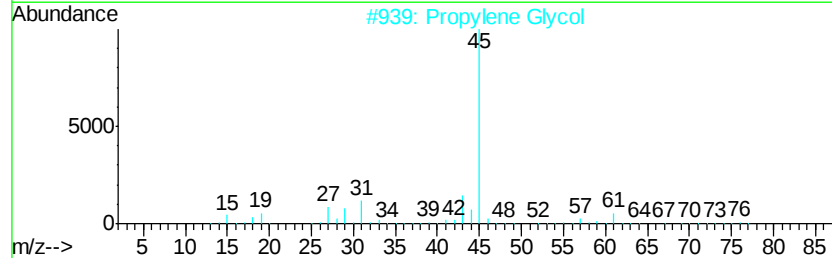
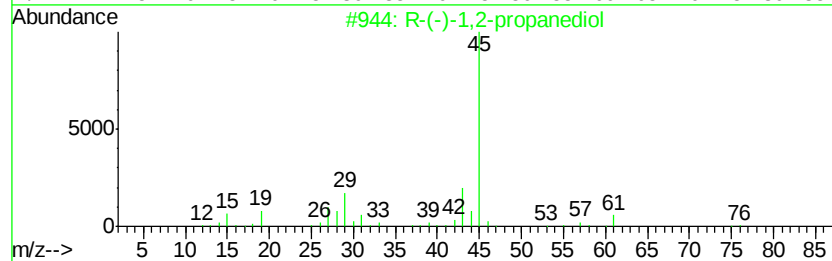
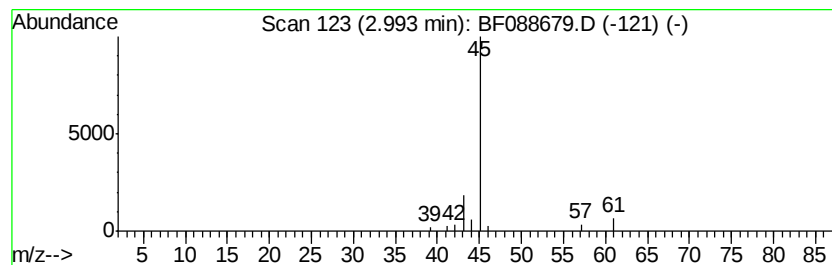
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 R-(-)-1,2-propanediol Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.99 | 3.15 ng | 101407 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|----|---------|-------------|------|
| 1    |    |   | R-(-)-1,2-propanediol   | 76 | C3H8O2  | 004254-14-2 | 64   |
| 2    |    |   | Propylene Glycol        | 76 | C3H8O2  | 000057-55-6 | 9    |
| 3    |    |   | (S)-(+)-1,2-Propanediol | 76 | C3H8O2  | 004254-15-3 | 9    |
| 4    |    |   | Isopropyl Alcohol       | 60 | C3H8O   | 000067-63-0 | 9    |
| 5    |    |   | Formamide               | 45 | CH3NO   | 000075-12-7 | 7    |



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EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

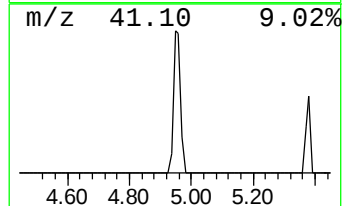
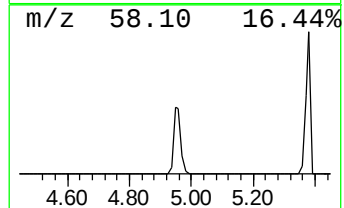
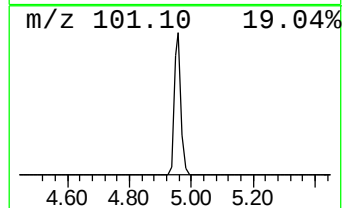
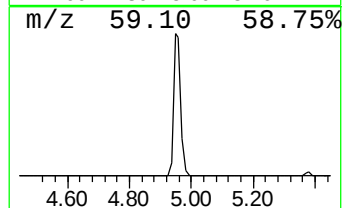
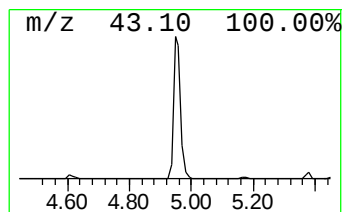
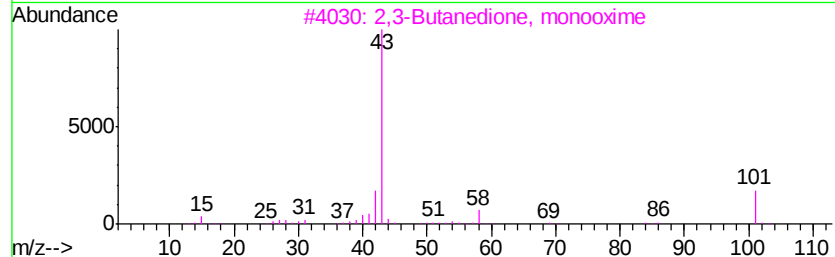
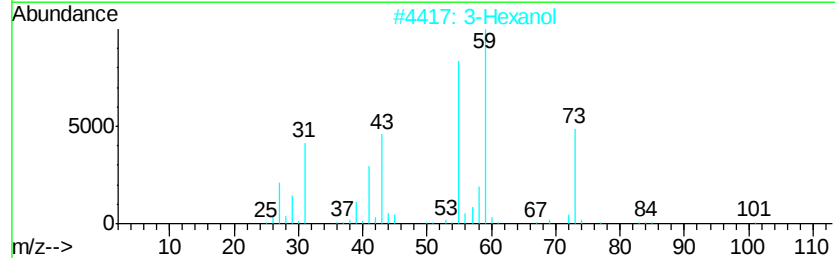
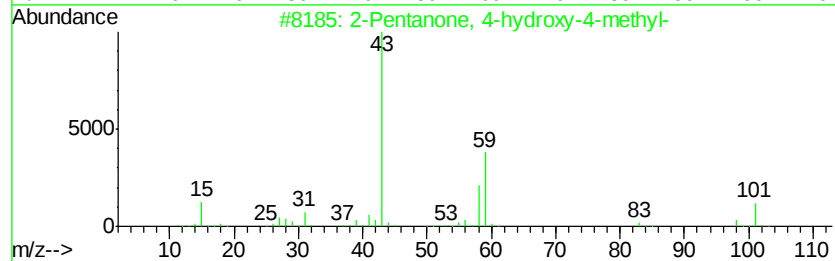
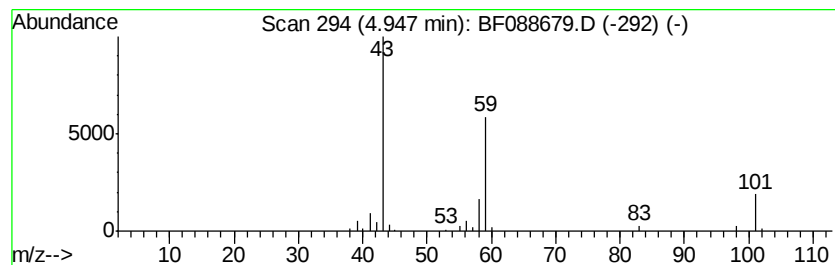
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.95 | 5.21 ng | 167685 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | 3-Hexanol                        | 102 | C6H14O  | 000623-37-0 | 28   |
| 3    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 4    |    |   | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 10   |
| 5    |    |   | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |



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BNA\_F  
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EPHC-B4(00-0.5)

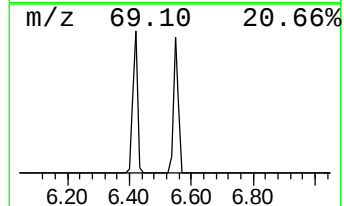
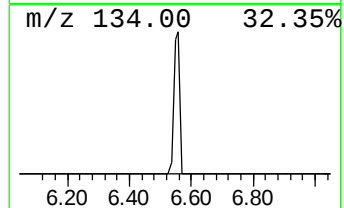
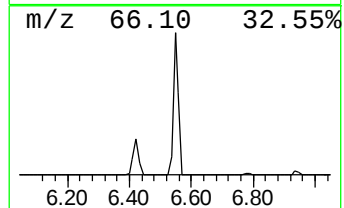
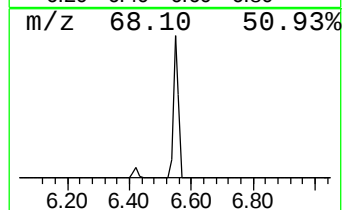
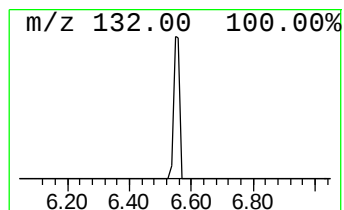
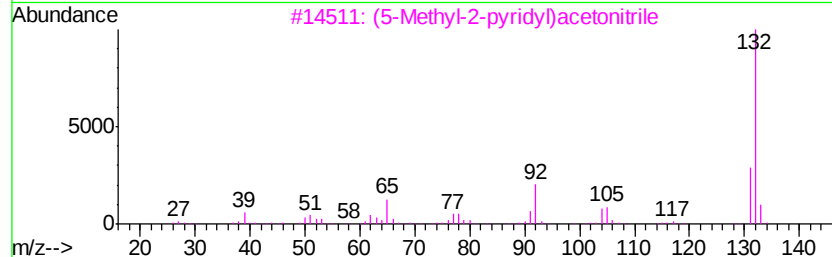
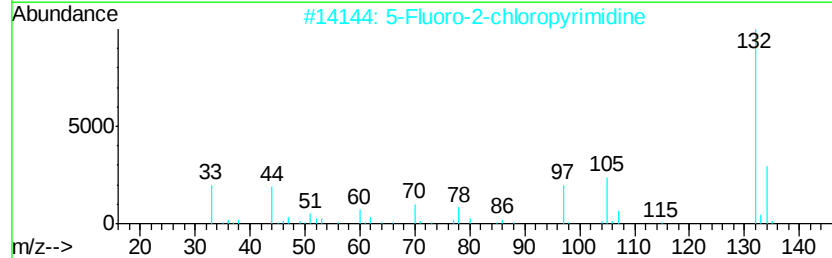
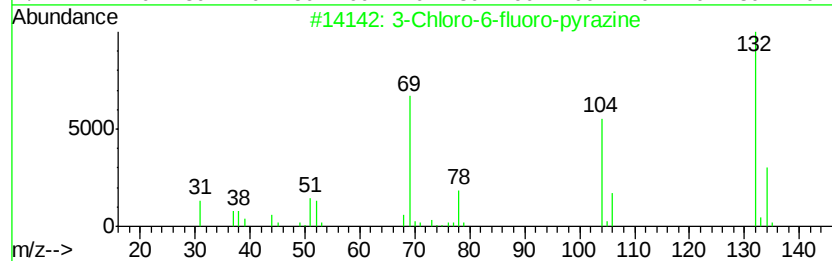
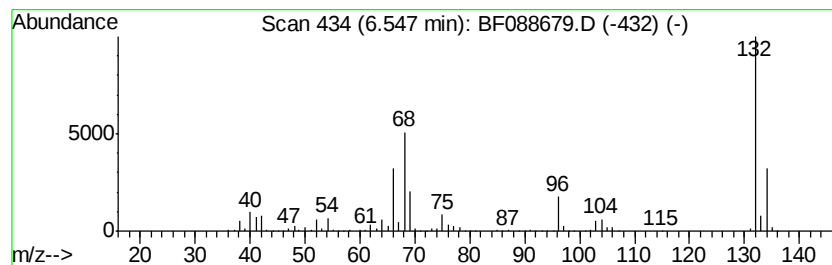
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown6.55 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.55 | 79.11 ng | 2547510 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 4    |    | Tranvlcyproline-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070316\  
Data File : BF088679.D  
Acq On : 4 Jul 2016 7:17  
Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

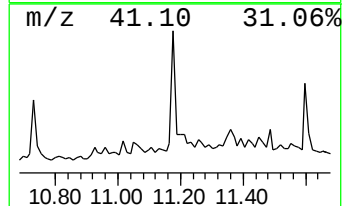
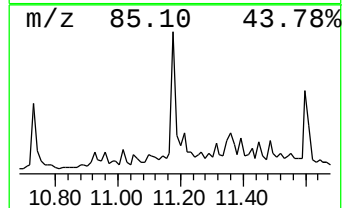
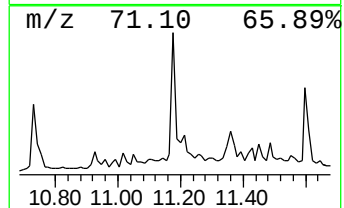
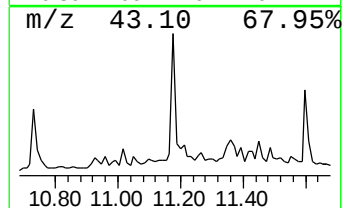
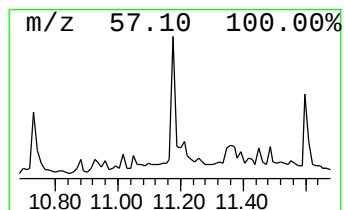
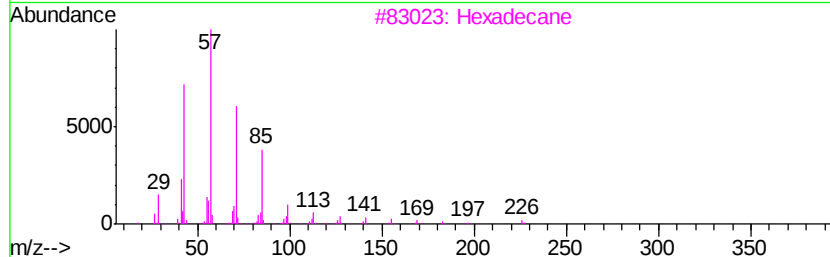
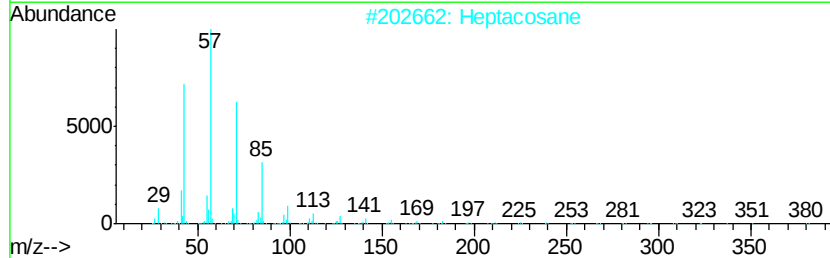
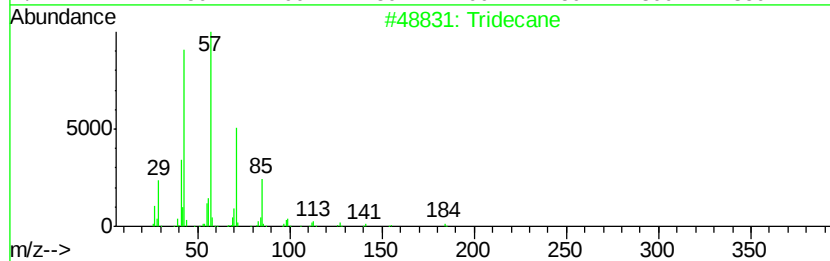
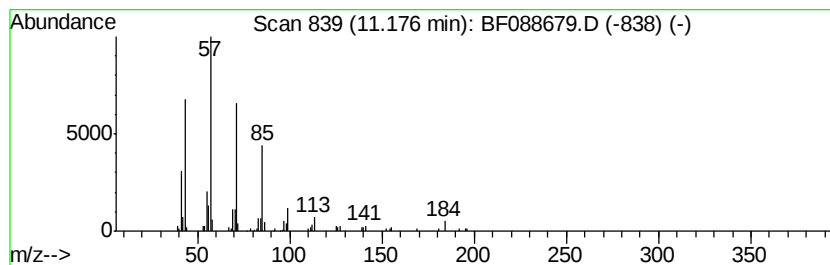
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tridecane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.18 | 2.24 ng | 168071 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 87   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 86   |
| 5    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 86   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
Data File : BF088679.D  
Acq On : 4 Jul 2016 7:17  
Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

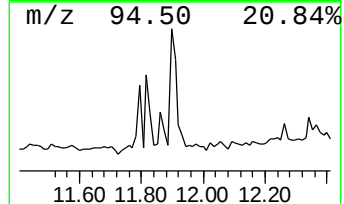
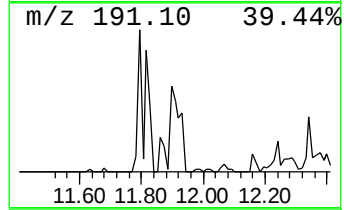
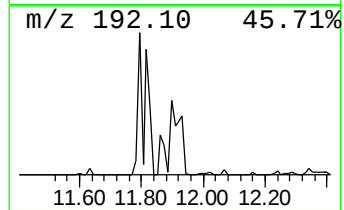
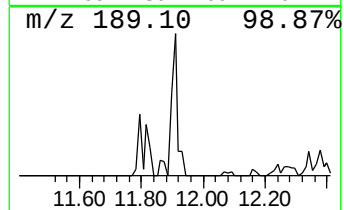
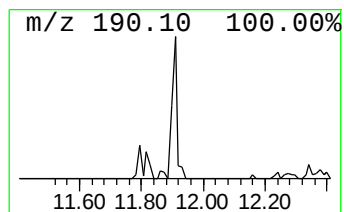
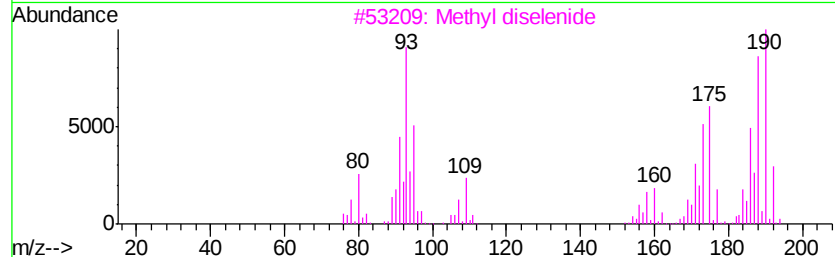
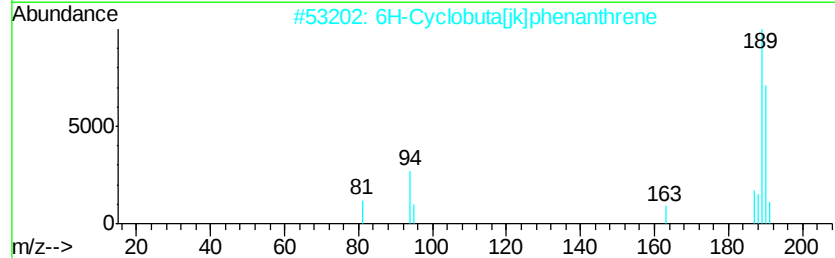
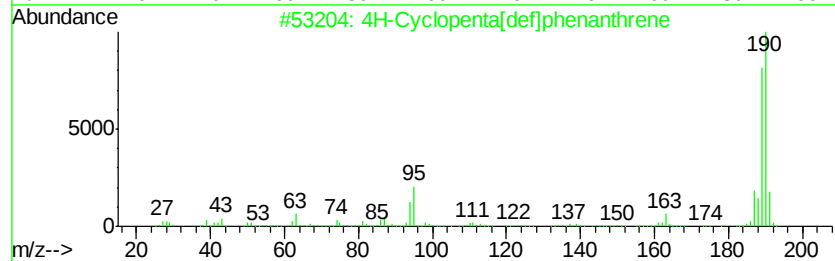
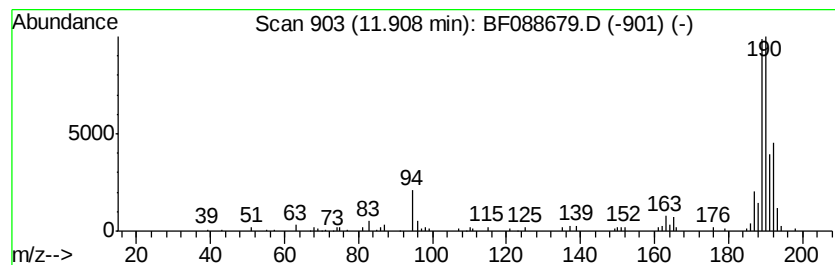
Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|---------|-------------------------------------|------------------|-----------|--------------|------|
| 11.91   | 2.30 ng | 172570                              | Phenanthrene-d10 | 11.29     |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |         | 4H-Cyclopenta[def]phenanthrene      | 190              | C15H10    | 000203-64-5  | 58   |
| 2       |         | 6H-Cyclobuta[ik]phenanthrene        | 190              | C15H10    | 083469-43-6  | 50   |
| 3       |         | Methyl diselenide                   | 190              | C2H6Se2   | 007101-31-7  | 45   |
| 4       |         | 1H-Pyrazole-4-carboxaldehyde, 1-... | 190              | C10H7FN2O | 1000338-05-6 | 37   |
| 5       |         | 2,6-Dichlorobenzaldoxime            | 189              | C7H5Cl2NO | 025185-95-9  | 30   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
Data File : BF088679.D  
Acq On : 4 Jul 2016 7:17  
Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

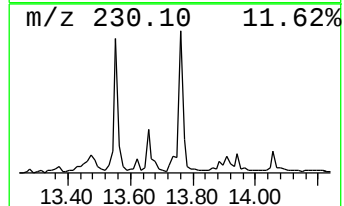
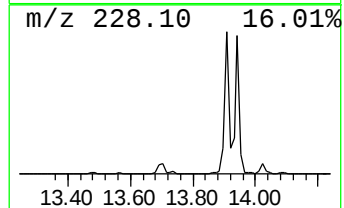
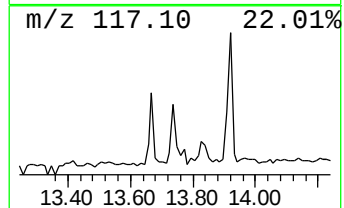
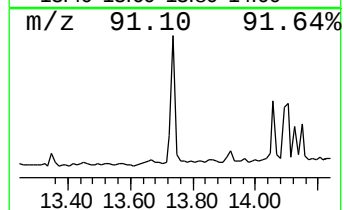
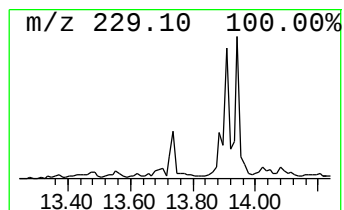
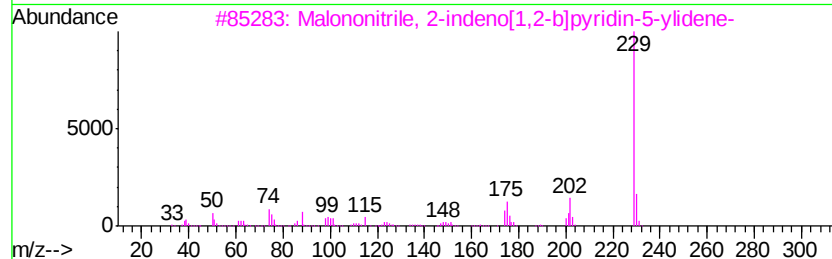
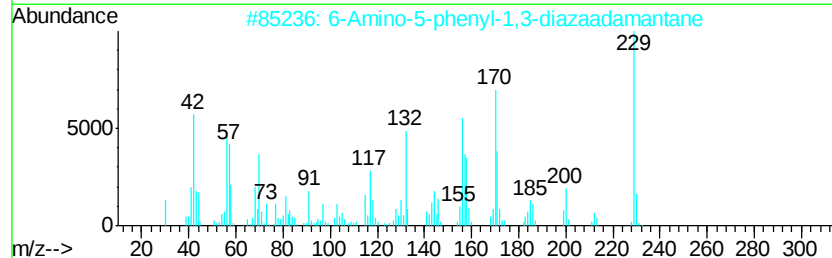
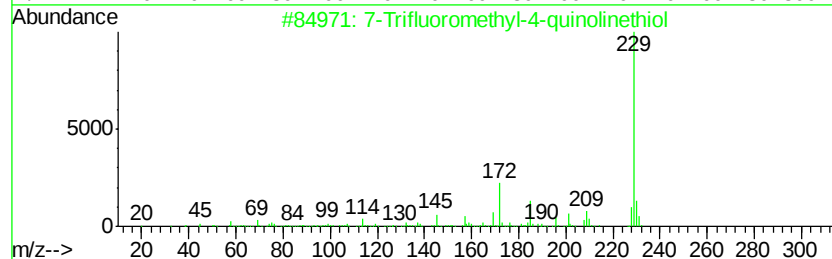
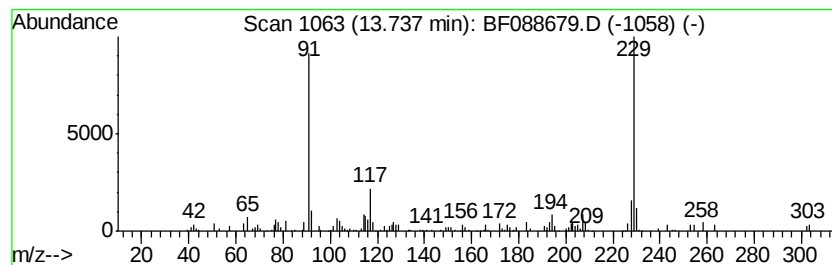
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 7-Trifluoromethyl-4-quinoli... Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.74 | 2.38 ng | 176589 | Chrysene-d12     | 13.92 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 7-Trifluoromethyl-4-quinolinethiol   | 229 | C10H6F3NS | 064415-07-2  | 53   |
| 2    |    | 6-Amino-5-phenyl-1,3-diazaadaman...  | 229 | C14H19N3  | 125658-10-8  | 52   |
| 3    |    | Malononitrile, 2-indeno[1,2-b]pyr... | 229 | C15H7N3   | 1000316-60-9 | 47   |
| 4    |    | Cyclopenta[cl][1]benzopyran-4(1H)... | 229 | C14H15N02 | 062669-74-3  | 38   |
| 5    |    | Benzo(a)acridine                     | 229 | C17H11N   | 000225-11-6  | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\  
Data File : BF088679.D  
Acq On : 4 Jul 2016 7:17  
Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

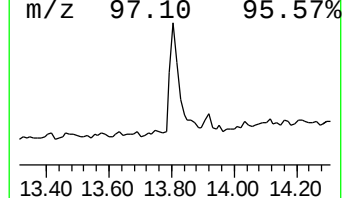
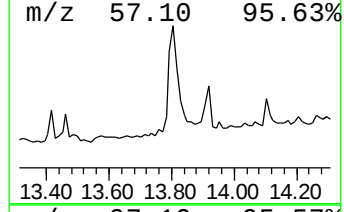
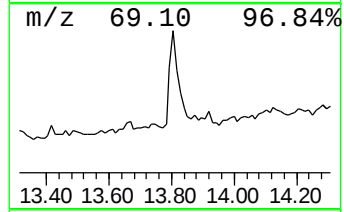
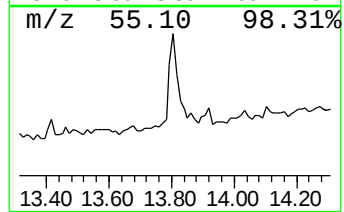
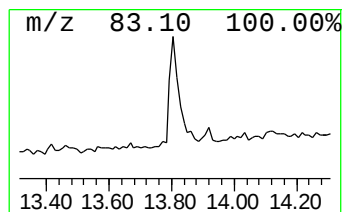
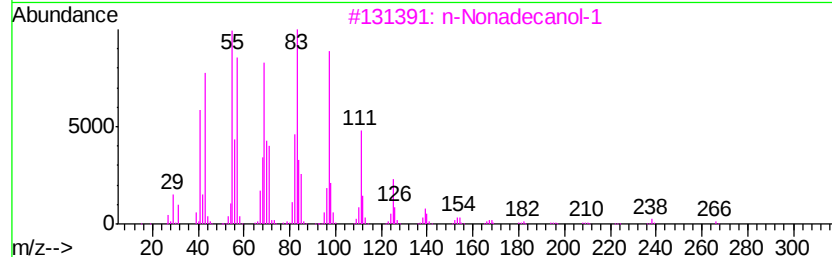
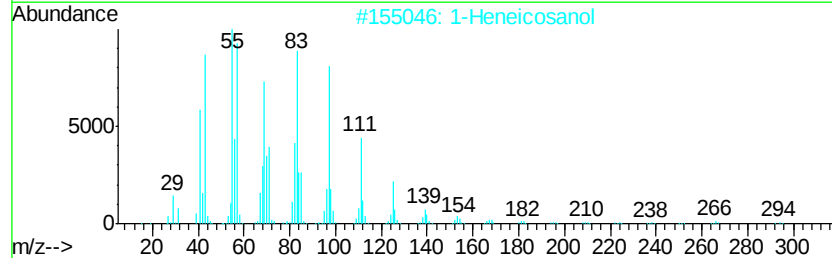
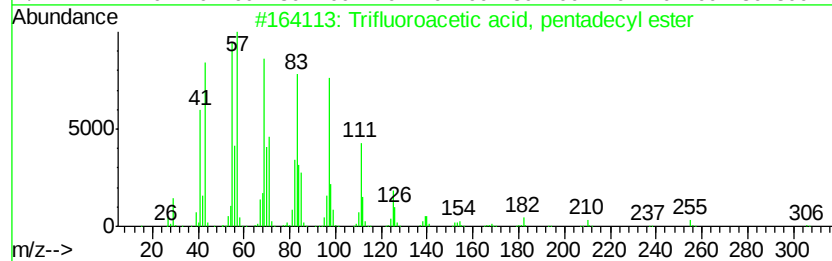
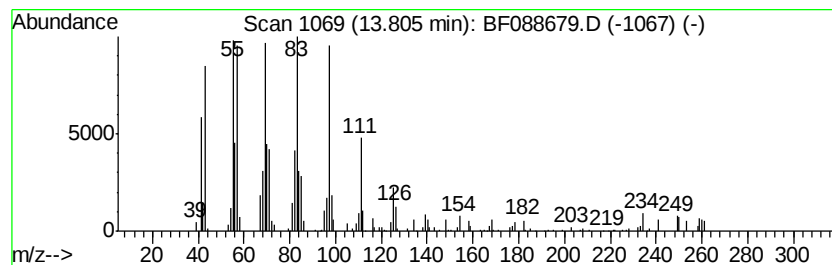
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Trifluoroacetic acid, penta... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.81 | 2.56 ng | 189678 | Chrysene-d12     | 13.92 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94   |
| 2       |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 94   |
| 3       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 4       |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 93   |
| 5       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070316\  
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Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

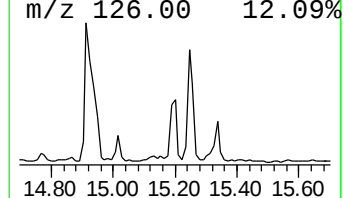
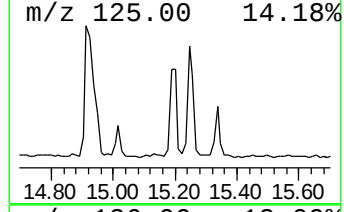
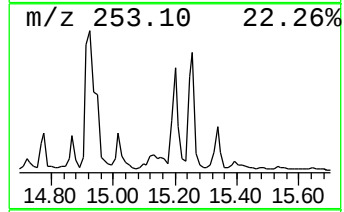
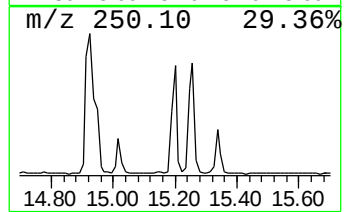
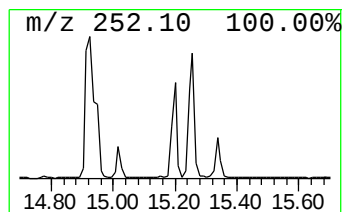
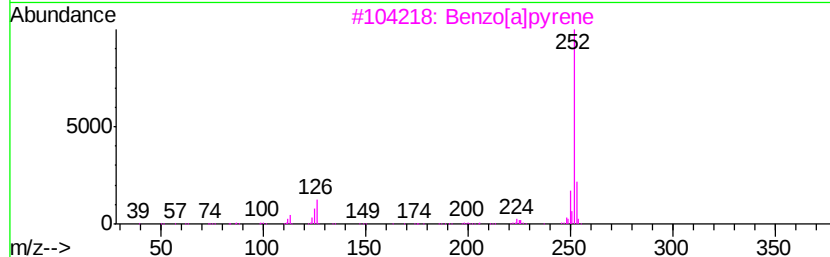
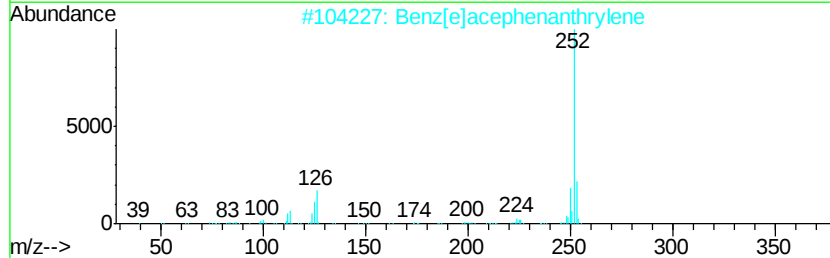
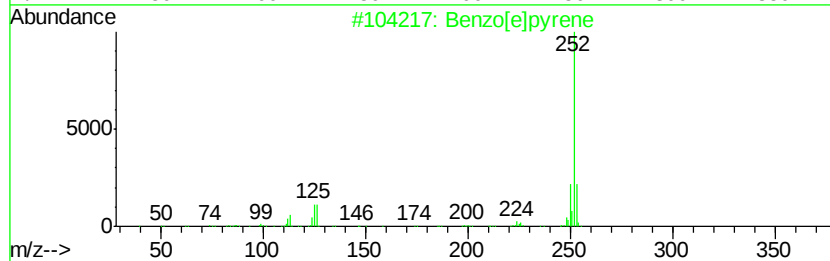
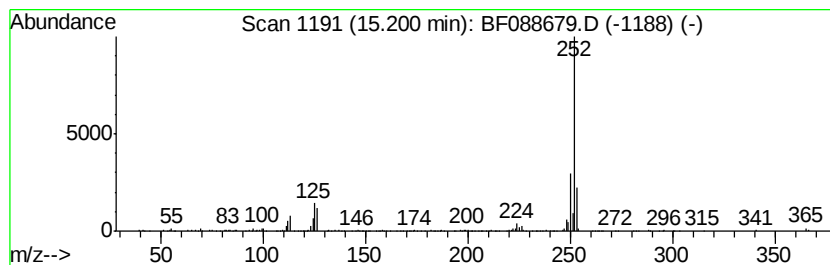
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.20 | 9.18 ng | 247385 | Perylene-d12     | 15.31 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 94   |
| 2    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 3    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 93   |
| 4    |    | Benzo[i]fluoranthene      | 252 | C20H12  | 000205-82-3 | 90   |
| 5    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070316\  
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Acq On : 4 Jul 2016 7:17  
Operator : UM/SJ  
Sample : H3856-01  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPHC-B4(00-0.5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| R-(-)-1,2-propane... | 2.99  | 3.1 ng  |       | 101407   | 1                     | 6.79  | 644052  | 20.0 |
| 2-Pentanone, 4-hy... | 4.95  | 5.2 ng  |       | 167685   | 1                     | 6.79  | 644052  | 20.0 |
| unknown6.55          | 6.55  | 79.1 ng |       | 2547510  | 1                     | 6.79  | 644052  | 20.0 |
| Tridecane            | 11.18 | 2.2 ng  |       | 168071   | 4                     | 11.29 | 1502770 | 20.0 |
| 4H-Cyclopenta[def... | 11.91 | 2.3 ng  |       | 172570   | 4                     | 11.29 | 1502770 | 20.0 |
| 7-Trifluoromethyl... | 13.74 | 2.4 ng  |       | 176589   | 5                     | 13.92 | 1483020 | 20.0 |
| Trifluoroacetic a... | 13.81 | 2.6 ng  |       | 189678   | 5                     | 13.92 | 1483020 | 20.0 |
| Benzo[e]pyrene       | 15.20 | 9.2 ng  |       | 247385   | 6                     | 15.31 | 538779  | 20.0 |