

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
 Data File : BF091881.D  
 Acq On : 22 Dec 2016 13:02  
 Operator : UM/SJ  
 Sample : H6200-07  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

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-BF122116.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         | 2.578       | 40            | 43          | 47           | rVB      | 824646         | 1298436       | 2.13%           | 0.217%        |
| 2         | 3.241       | 84            | 101         | 102          | rBV2     | 471692         | 4426995       | 7.25%           | 0.739%        |
| 3         | 4.933       | 245           | 249         | 251          | rBV      | 1865401        | 3061249       | 5.02%           | 0.511%        |
| 4         | 5.447       | 287           | 294         | 300          | rBV      | 1798113        | 7018928       | 11.50%          | 1.172%        |
| 5         | 5.710       | 314           | 317         | 322          | rVB      | 1006731        | 1878136       | 3.08%           | 0.314%        |
| 6         | 6.076       | 345           | 349         | 356          | rVB3     | 879462         | 2090167       | 3.42%           | 0.349%        |
| 7         | 6.282       | 363           | 367         | 371          | rVB3     | 1131128        | 2686369       | 4.40%           | 0.449%        |
| 8         | 6.339       | 371           | 372         | 375          | rBV2     | 822686         | 1275651       | 2.09%           | 0.213%        |
| 9         | 6.487       | 382           | 385         | 388          | rBV2     | 897897         | 2060179       | 3.38%           | 0.344%        |
| 10        | 6.590       | 388           | 394         | 397          | rBV3     | 4141405        | 11515004      | 18.87%          | 1.923%        |
| 11        | 6.773       | 406           | 410         | 412          | rVB2     | 1732467        | 3731920       | 6.11%           | 0.623%        |
| 12        | 6.819       | 412           | 414         | 415          | rBV      | 1045290        | 1386098       | 2.27%           | 0.231%        |
| 13        | 6.910       | 420           | 422         | 426          | rVB3     | 5155234        | 8183951       | 13.41%          | 1.367%        |
| 14        | 7.036       | 426           | 433         | 435          | rBV2     | 2424671        | 4852520       | 7.95%           | 0.810%        |
| 15        | 7.082       | 435           | 437         | 438          | rBV2     | 1576893        | 2599739       | 4.26%           | 0.434%        |
| 16        | 7.104       | 438           | 439         | 441          | rVB      | 2298908        | 1938432       | 3.18%           | 0.324%        |
| 17        | 7.150       | 441           | 443         | 448          | rBV2     | 3247747        | 4710972       | 7.72%           | 0.787%        |
| 18        | 7.253       | 448           | 452         | 453          | rBV      | 967304         | 2147531       | 3.52%           | 0.359%        |
| 19        | 7.333       | 453           | 459         | 460          | rBV2     | 3471974        | 9833314       | 16.11%          | 1.642%        |
| 20        | 7.367       | 460           | 462         | 464          | rVB      | 7763545        | 8555784       | 14.02%          | 1.429%        |
| 21        | 7.413       | 464           | 466         | 468          | rVB2     | 1159168        | 1361352       | 2.23%           | 0.227%        |
| 22        | 7.482       | 468           | 472         | 473          | rBV2     | 1754593        | 3673117       | 6.02%           | 0.613%        |
| 23        | 7.562       | 473           | 479         | 484          | rBV3     | 3432282        | 9798602       | 16.05%          | 1.636%        |
| 24        | 7.676       | 484           | 489         | 490          | rBV2     | 3001683        | 7313369       | 11.98%          | 1.221%        |
| 25        | 7.722       | 491           | 493         | 496          | rVB4     | 2544251        | 4572207       | 7.49%           | 0.764%        |
| 26        | 7.767       | 496           | 497         | 498          | rBV      | 1611976        | 2040155       | 3.34%           | 0.341%        |
| 27        | 7.882       | 503           | 507         | 509          | rBV4     | 1959335        | 5864532       | 9.61%           | 0.979%        |
| 28        | 8.042       | 518           | 521         | 523          | rBV2     | 4347573        | 8667876       | 14.20%          | 1.448%        |
| 29        | 8.350       | 537           | 548         | 549          | rBV6     | 10155829       | 61033727      | 100.00%         | 10.193%       |
| 30        | 8.522       | 560           | 563         | 565          | rVB2     | 7423447        | 16727255      | 27.41%          | 2.793%        |
| 31        | 8.590       | 565           | 569         | 572          | rVB4     | 2042141        | 4991312       | 8.18%           | 0.834%        |
| 32        | 8.670       | 572           | 576         | 578          | rBV      | 8607831        | 14279950      | 23.40%          | 2.385%        |
| 33        | 8.899       | 593           | 596         | 598          | rBV3     | 2702867        | 4161545       | 6.82%           | 0.695%        |
| 34        | 8.933       | 598           | 599         | 601          | rVV2     | 1744965        | 3188195       | 5.22%           | 0.532%        |

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 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

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-BF122116.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |     |      |         |          |        |        |
|----|--------|-----|-----|-----|------|---------|----------|--------|--------|
| 35 | 9.013  | 605 | 606 | 609 | rVV2 | 2598929 | 3378644  | 5.54%  | 0.564% |
| 36 | 9.082  | 609 | 612 | 615 | rVV3 | 4374509 | 7598009  | 12.45% | 1.269% |
| 37 | 9.139  | 615 | 617 | 621 | rVB  | 4350924 | 5011597  | 8.21%  | 0.837% |
| 38 | 9.219  | 621 | 624 | 626 | rBV  | 7730735 | 14832931 | 24.30% | 2.477% |
| 39 | 9.288  | 626 | 630 | 633 | rVB4 | 2133688 | 4783531  | 7.84%  | 0.799% |
| 40 | 9.402  | 638 | 640 | 642 | rVB3 | 1485919 | 1963650  | 3.22%  | 0.328% |
| 41 | 9.470  | 642 | 646 | 649 | rBV4 | 3104776 | 8535291  | 13.98% | 1.425% |
| 42 | 9.539  | 649 | 652 | 655 | rBV2 | 4107128 | 7747484  | 12.69% | 1.294% |
| 43 | 9.596  | 655 | 657 | 658 | rVB  | 6775083 | 7269941  | 11.91% | 1.214% |
| 44 | 9.619  | 658 | 659 | 662 | rVB2 | 2871165 | 3672075  | 6.02%  | 0.613% |
| 45 | 9.756  | 666 | 671 | 672 | rBV  | 8706687 | 14402461 | 23.60% | 2.405% |
| 46 | 9.779  | 672 | 673 | 681 | rBV2 | 3902773 | 11163702 | 18.29% | 1.864% |
| 47 | 9.973  | 688 | 690 | 691 | rBV  | 2391776 | 3515310  | 5.76%  | 0.587% |
| 48 | 10.065 | 696 | 698 | 700 | rVV3 | 3567314 | 4188105  | 6.86%  | 0.699% |
| 49 | 10.099 | 700 | 701 | 702 | rVB  | 1831717 | 1256558  | 2.06%  | 0.210% |
| 50 | 10.133 | 702 | 704 | 705 | rBV2 | 1195819 | 1872800  | 3.07%  | 0.313% |
| 51 | 10.248 | 710 | 714 | 717 | rBV  | 7994883 | 12762176 | 20.91% | 2.131% |
| 52 | 10.465 | 730 | 733 | 735 | rBV  | 5191144 | 7650479  | 12.53% | 1.278% |
| 53 | 10.511 | 736 | 737 | 739 | rVV2 | 1727116 | 1580674  | 2.59%  | 0.264% |
| 54 | 10.545 | 739 | 740 | 741 | rVV  | 2156689 | 1789256  | 2.93%  | 0.299% |
| 55 | 10.579 | 741 | 743 | 744 | rVV  | 2311777 | 2122390  | 3.48%  | 0.354% |
| 56 | 10.613 | 744 | 746 | 750 | rVV4 | 1224263 | 2701920  | 4.43%  | 0.451% |
| 57 | 10.671 | 750 | 751 | 753 | rVV2 | 2445818 | 2532018  | 4.15%  | 0.423% |
| 58 | 10.716 | 753 | 755 | 759 | rVB2 | 6853257 | 15575833 | 25.52% | 2.601% |
| 59 | 10.922 | 770 | 773 | 776 | rVB4 | 2848699 | 6042119  | 9.90%  | 1.009% |
| 60 | 11.128 | 789 | 791 | 792 | rBV  | 3074324 | 3080130  | 5.05%  | 0.514% |
| 61 | 11.162 | 792 | 794 | 796 | rVV  | 6807377 | 10058841 | 16.48% | 1.680% |
| 62 | 11.196 | 796 | 797 | 800 | rVB  | 4875948 | 3810471  | 6.24%  | 0.636% |
| 63 | 11.471 | 819 | 821 | 822 | rVB  | 1064488 | 1146984  | 1.88%  | 0.192% |
| 64 | 11.539 | 825 | 827 | 828 | rVV  | 1701457 | 1829219  | 3.00%  | 0.305% |
| 65 | 11.585 | 828 | 831 | 833 | rVV2 | 5825939 | 10177176 | 16.67% | 1.700% |
| 66 | 11.631 | 833 | 835 | 837 | rVB3 | 858760  | 1221817  | 2.00%  | 0.204% |
| 67 | 11.745 | 843 | 845 | 850 | rBV4 | 1207898 | 2964177  | 4.86%  | 0.495% |
| 68 | 11.859 | 853 | 855 | 860 | rVV2 | 3189466 | 6080104  | 9.96%  | 1.015% |
| 69 | 11.996 | 864 | 867 | 869 | rVB  | 5897312 | 6975913  | 11.43% | 1.165% |
| 70 | 12.271 | 888 | 891 | 893 | rVB  | 4260606 | 5958757  | 9.76%  | 0.995% |
| 71 | 12.374 | 898 | 900 | 902 | rBV  | 4368317 | 6480885  | 10.62% | 1.082% |

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 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 WASTE-WATER-COMP

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-BF122116.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 72  | 12.556 | 914  | 916  | 920  | rVB  | 2387470 | 3656674  | 5.99%  | 0.611% |
| 73  | 12.648 | 922  | 924  | 929  | rVV  | 5092080 | 5512854  | 9.03%  | 0.921% |
| 74  | 12.751 | 931  | 933  | 934  | rVB  | 4061563 | 4042979  | 6.62%  | 0.675% |
| 75  | 12.865 | 941  | 943  | 945  | rBV  | 3639044 | 4630520  | 7.59%  | 0.773% |
| 76  | 12.911 | 945  | 947  | 949  | rVV  | 4875606 | 5372813  | 8.80%  | 0.897% |
| 77  | 13.002 | 953  | 955  | 957  | rVB  | 1462470 | 1455742  | 2.39%  | 0.243% |
| 78  | 13.105 | 961  | 964  | 966  | rBV  | 2372243 | 3212271  | 5.26%  | 0.536% |
| 79  | 13.265 | 975  | 978  | 980  | rVB  | 6756782 | 7652692  | 12.54% | 1.278% |
| 80  | 13.345 | 983  | 985  | 989  | rVV2 | 1423062 | 3075641  | 5.04%  | 0.514% |
| 81  | 13.414 | 989  | 991  | 992  | rVV  | 4376566 | 4739139  | 7.76%  | 0.791% |
| 82  | 13.437 | 992  | 993  | 997  | rVB  | 2156694 | 2533818  | 4.15%  | 0.423% |
| 83  | 13.608 | 1005 | 1008 | 1010 | rBV  | 5154174 | 7013333  | 11.49% | 1.171% |
| 84  | 13.837 | 1025 | 1028 | 1031 | rBV  | 6010359 | 6807542  | 11.15% | 1.137% |
| 85  | 13.905 | 1031 | 1034 | 1037 | rVB2 | 5383801 | 6559791  | 10.75% | 1.095% |
| 86  | 14.157 | 1053 | 1056 | 1058 | rBV  | 7857260 | 10077790 | 16.51% | 1.683% |
| 87  | 14.454 | 1080 | 1082 | 1085 | rVV  | 5607686 | 8878802  | 14.55% | 1.483% |
| 88  | 14.557 | 1089 | 1091 | 1096 | rVV3 | 561093  | 1393022  | 2.28%  | 0.233% |
| 89  | 14.671 | 1098 | 1101 | 1105 | rVV  | 5590198 | 7119680  | 11.67% | 1.189% |
| 90  | 14.740 | 1105 | 1107 | 1112 | rVB  | 1156671 | 1396128  | 2.29%  | 0.233% |
| 91  | 14.991 | 1125 | 1129 | 1133 | rBV  | 6961683 | 10694140 | 17.52% | 1.786% |
| 92  | 15.048 | 1133 | 1134 | 1142 | rVB  | 893928  | 1443071  | 2.36%  | 0.241% |
| 93  | 15.334 | 1154 | 1159 | 1162 | rBV2 | 5081433 | 10822012 | 17.73% | 1.807% |
| 94  | 15.608 | 1180 | 1183 | 1188 | rBV  | 3216034 | 5994670  | 9.82%  | 1.001% |
| 95  | 15.700 | 1189 | 1191 | 1196 | rVB  | 649359  | 1133016  | 1.86%  | 0.189% |
| 96  | 16.054 | 1218 | 1222 | 1227 | rVB  | 4060353 | 8004326  | 13.11% | 1.337% |
| 97  | 16.557 | 1262 | 1266 | 1278 | rVB  | 2772740 | 7084786  | 11.61% | 1.183% |
| 98  | 16.968 | 1297 | 1302 | 1310 | rVB  | 1409210 | 3796510  | 6.22%  | 0.634% |
| 99  | 17.643 | 1356 | 1361 | 1369 | rVB  | 1516951 | 4367168  | 7.16%  | 0.729% |
| 100 | 18.420 | 1424 | 1429 | 1447 | rVB  | 885849  | 3675380  | 6.02%  | 0.614% |

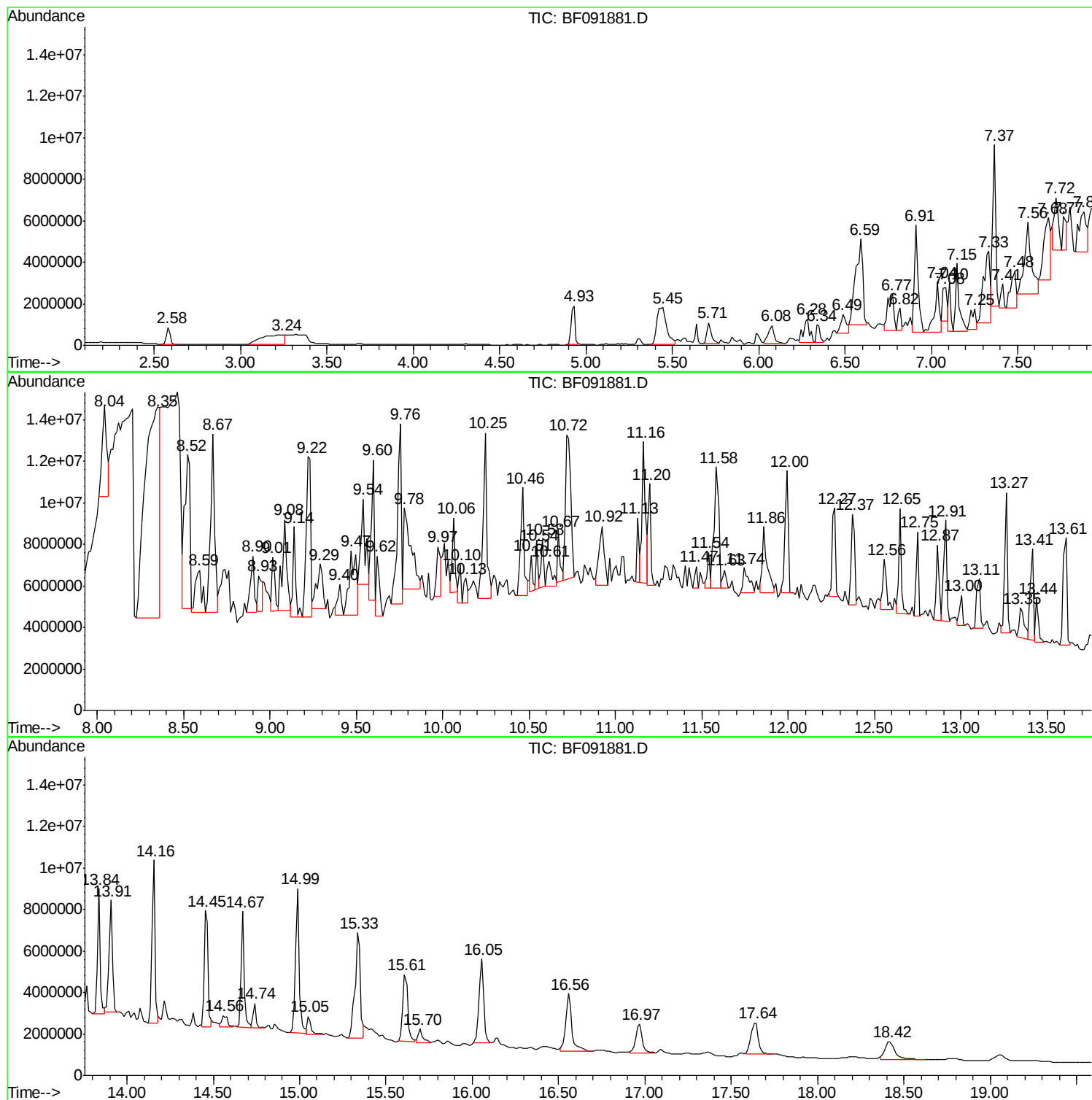
Sum of corrected areas: 598804307

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ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.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\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
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WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

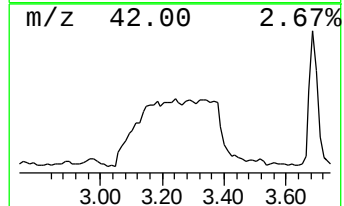
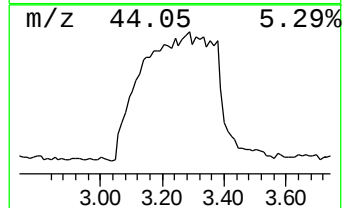
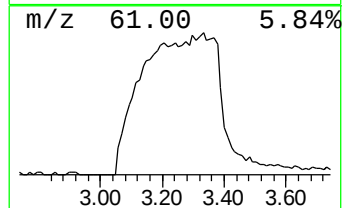
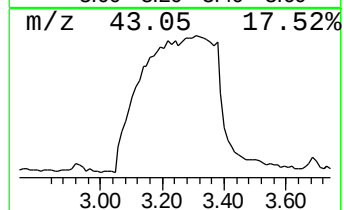
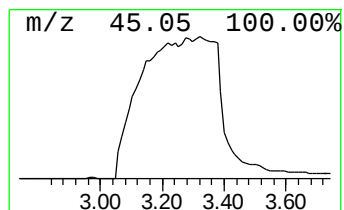
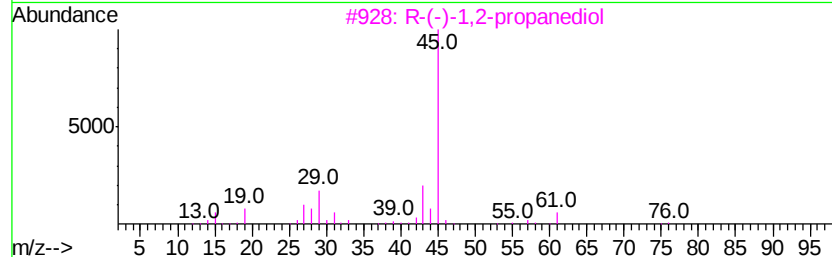
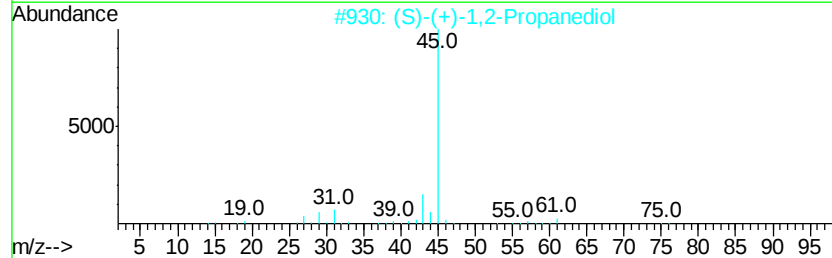
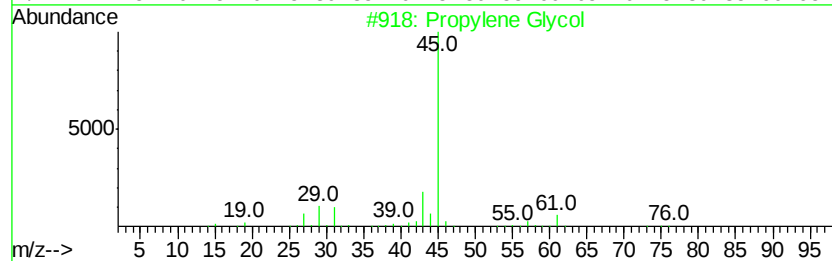
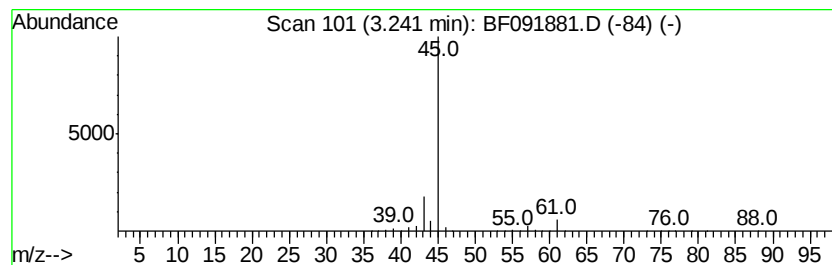
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propylene Glycol Concentration Rank 19

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 3.24 | 23.73 ng | 4427000 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propylene Glycol                    | 76  | C3H8O2  | 000057-55-6 | 90   |
| 2    |    | (S)-(+)-1,2-Propanediol             | 76  | C3H8O2  | 004254-15-3 | 64   |
| 3    |    | R-(-)-1,2-propanediol               | 76  | C3H8O2  | 004254-14-2 | 9    |
| 4    |    | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3  | 002155-30-8 | 9    |
| 5    |    | Isopropyl Alcohol                   | 60  | C3H8O   | 000067-63-0 | 7    |



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ALS Vial : 59 Sample Multiplier: 1

Instrument :  
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WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

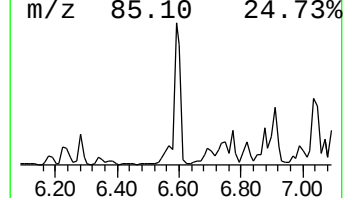
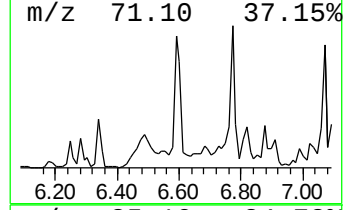
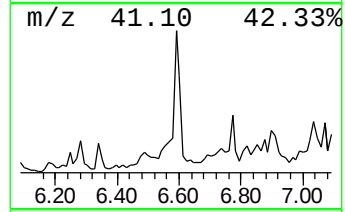
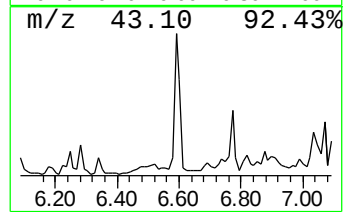
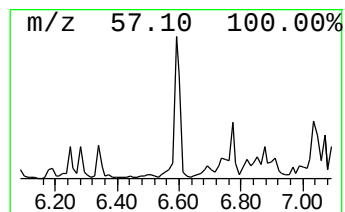
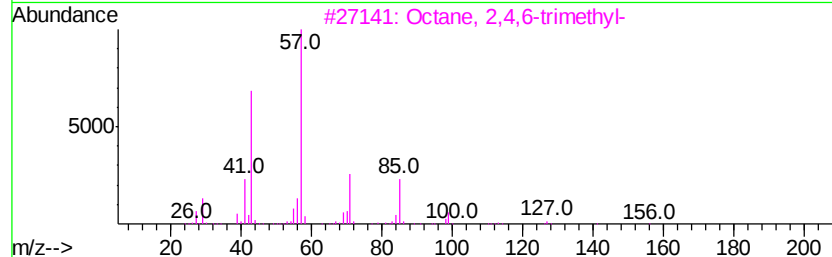
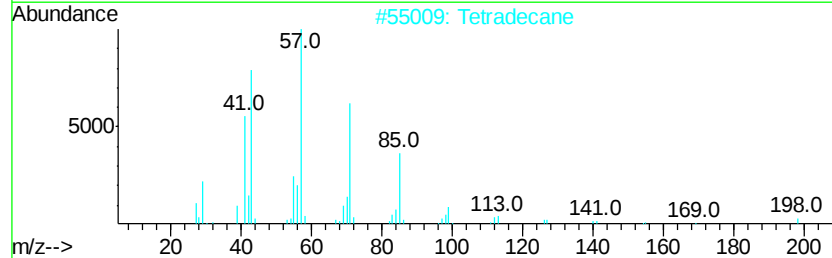
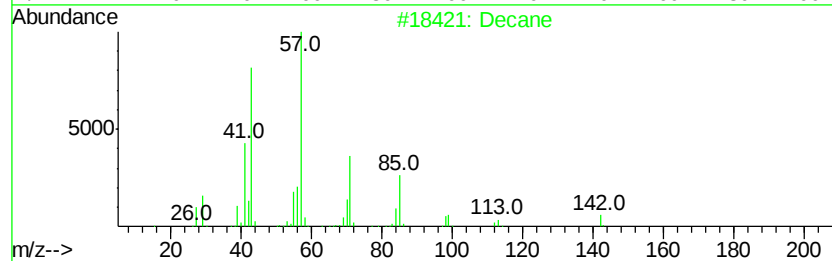
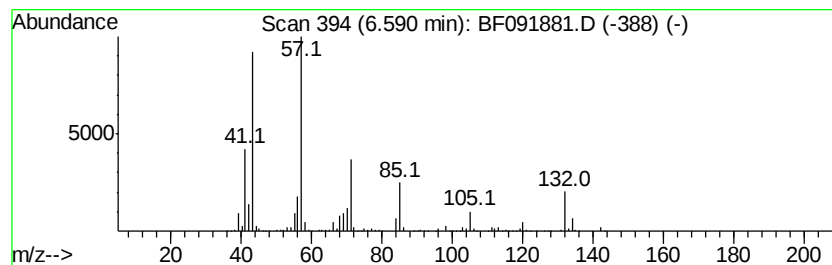
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Decane Concentration Rank 3

| R.T. | EstConc  | Area     | Relative to ISTD       | R.T. |
|------|----------|----------|------------------------|------|
| 6.59 | 61.71 ng | 11515000 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Decane                   |              | 142 | C10H22  | 000124-18-5 | 90   |
| 2       | Tetradecane              |              | 198 | C14H30  | 000629-59-4 | 52   |
| 3       | Octane, 2,4,6-trimethyl- |              | 156 | C11H24  | 062016-37-9 | 50   |
| 4       | Eicosane                 |              | 282 | C20H42  | 000112-95-8 | 50   |
| 5       | Nonane                   |              | 128 | C9H20   | 000111-84-2 | 47   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

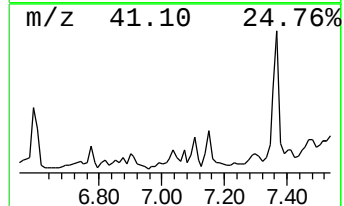
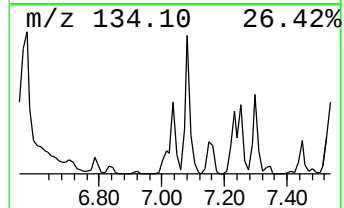
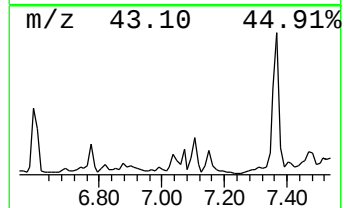
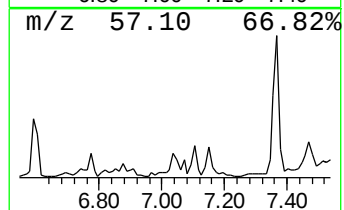
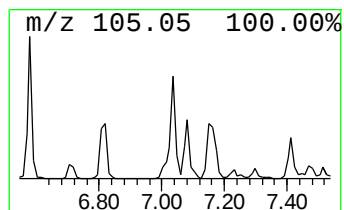
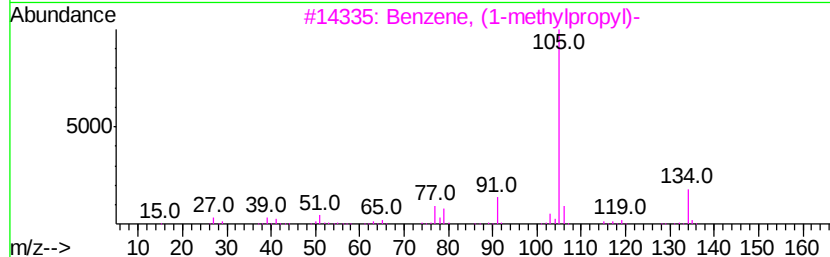
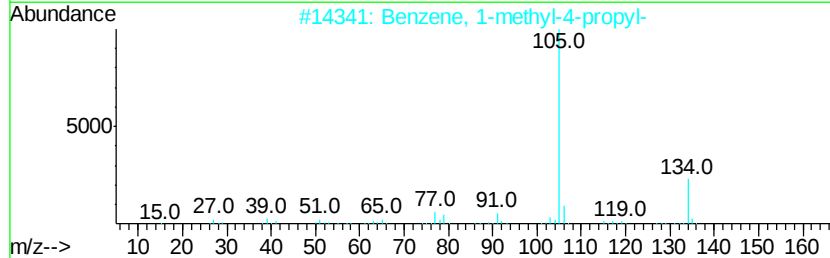
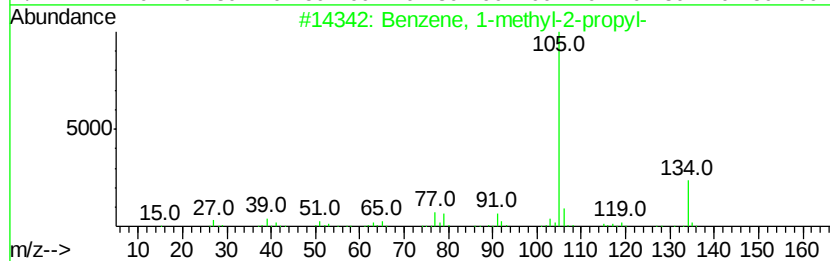
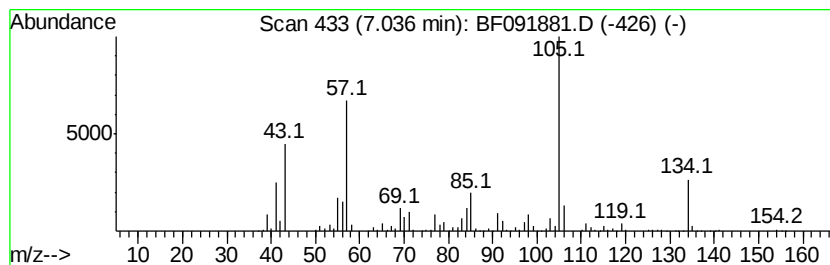
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-methyl-2-propyl- Concentration Rank 16

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.04 | 26.01 ng | 4852520 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-2-propyl- | 134 | C10H14  | 001074-17-5 | 55   |
| 2    |    | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 55   |
| 3    |    | Benzene, (1-methylpropyl)-  | 134 | C10H14  | 000135-98-8 | 55   |
| 4    |    | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 55   |
| 5    |    | 2-Indanol                   | 134 | C9H10O  | 004254-29-9 | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

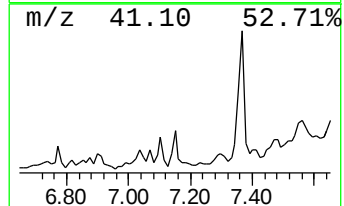
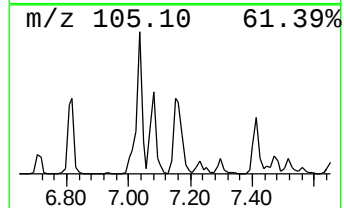
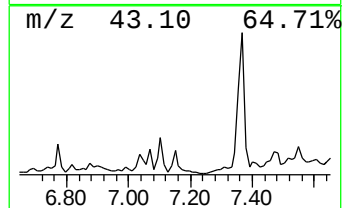
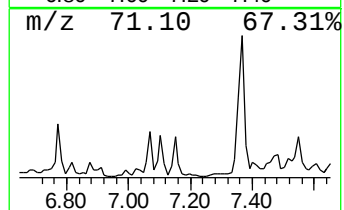
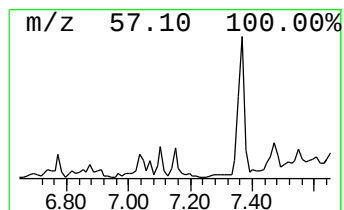
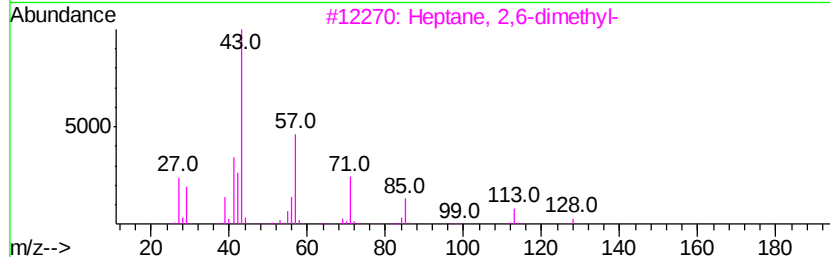
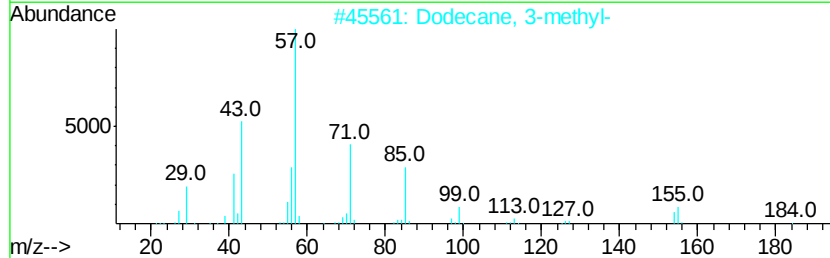
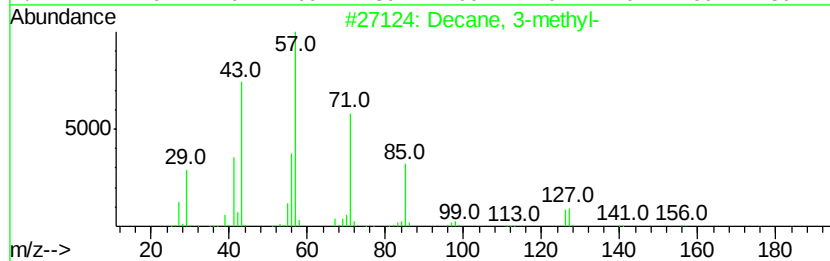
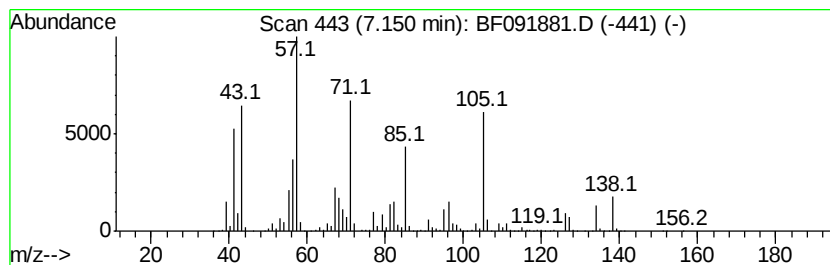
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Decane, 3-methyl- Concentration Rank 18

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.15 | 25.25 ng | 4710970 | 1,4-Dichlorobenzene-d4 | 6.75 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 3-methyl-      | 156 | C11H24  | 013151-34-3 | 64   |
| 2    |    | Dodecane, 3-methyl-    | 184 | C13H28  | 017312-57-1 | 50   |
| 3    |    | Heptane, 2,6-dimethyl- | 128 | C9H20   | 001072-05-5 | 47   |
| 4    |    | Nonane, 3,7-dimethyl-  | 156 | C11H24  | 017302-32-8 | 45   |
| 5    |    | 1-Iodoundecane         | 282 | C11H23I | 004282-44-4 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

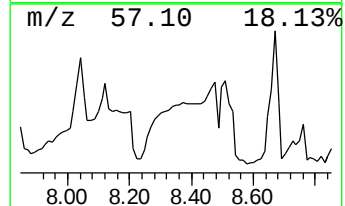
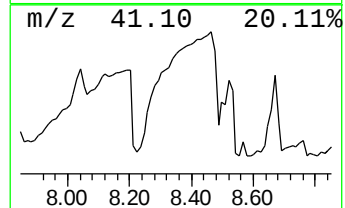
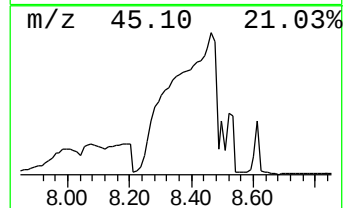
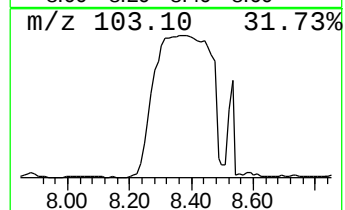
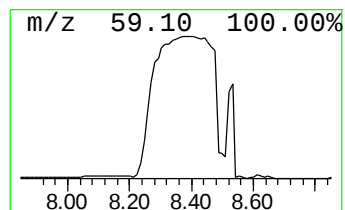
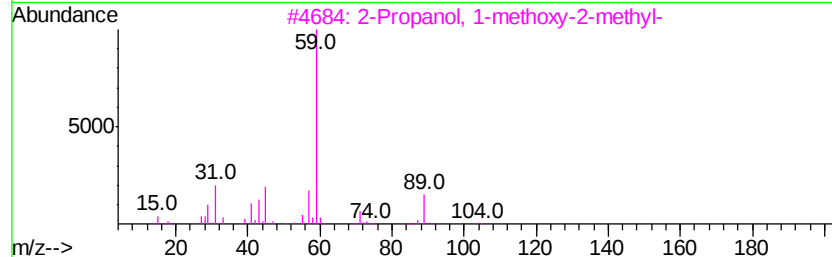
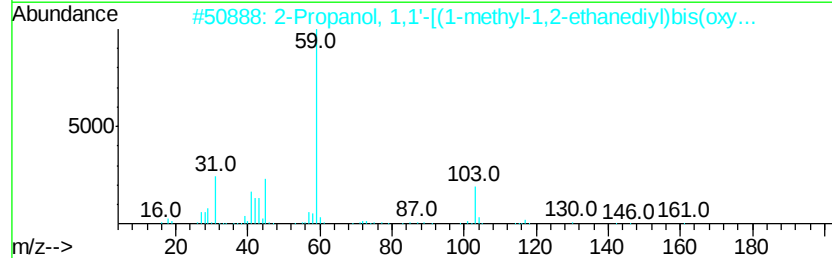
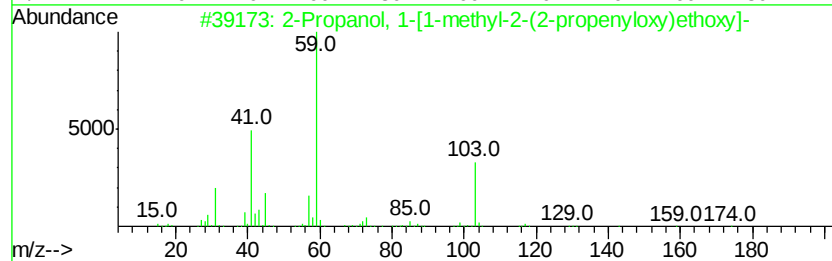
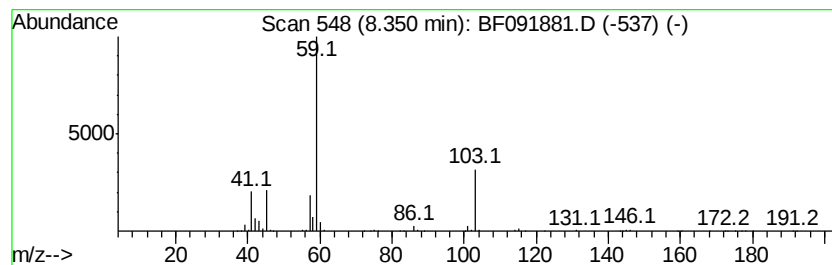
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 2-Propanol, 1-[1-methyl-2-(... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 8.35    | 140.83 ng                           | 61033700     | Napthalene-d8    | 8.05      |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2-Propanol, 1-[1-methyl-2-(2-pro... | 174 C9H18O3  | 055956-25-7      | 78        |
| 2       | 2-Propanol, 1,1'-[(1-methyl-1,2-... | 192 C9H20O4  | 001638-16-0      | 72        |
| 3       | 2-Propanol, 1-methoxy-2-methyl-     | 104 C5H12O2  | 003587-64-2      | 64        |
| 4       | 1-Propanol, 2-(2-hydroxypropoxy)-   | 134 C6H14O3  | 000106-62-7      | 64        |
| 5       | 1-Propanol, 2,2'-oxybis-            | 134 C6H14O3  | 000108-61-2      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

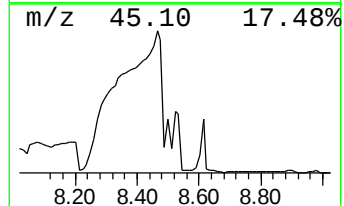
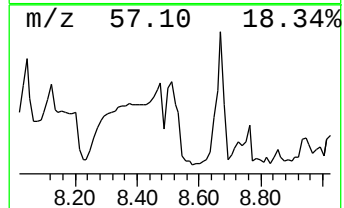
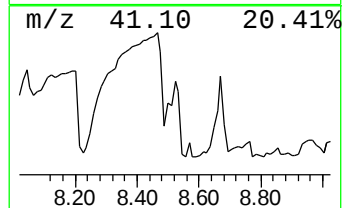
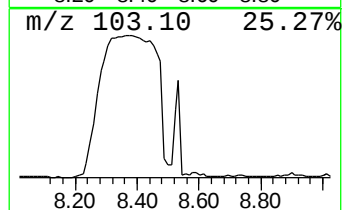
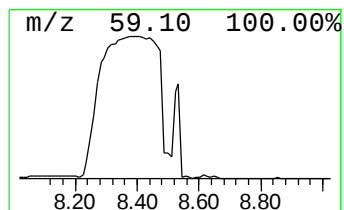
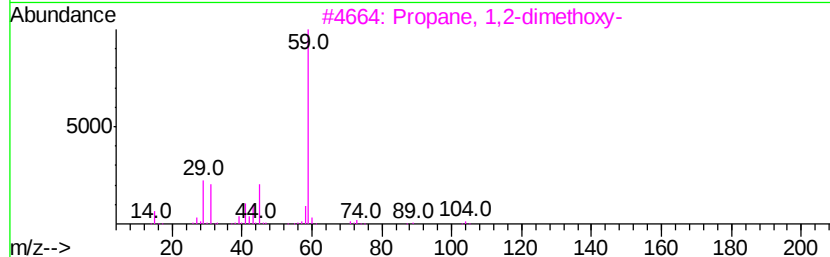
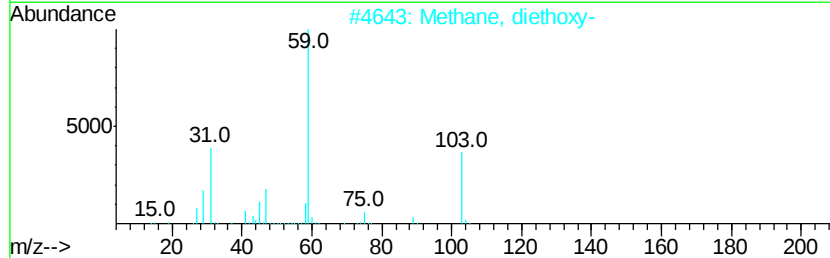
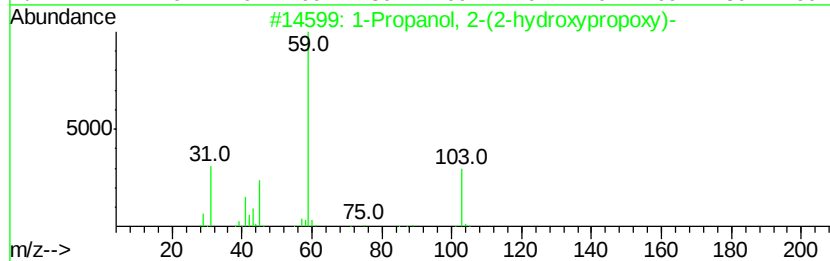
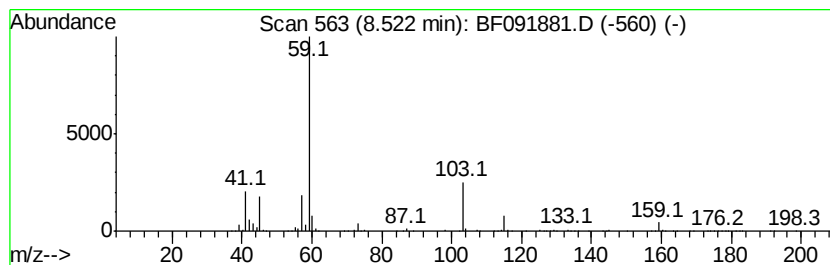
Instrument :  
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ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 1-Propanol, 2-(2-hydroxypro... Concentration Rank 7

| R.T.      | EstConc                             | Area     | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|----------|------------------|-------------|------|
| 8.52      | 38.60 ng                            | 16727300 | Napthalene-d8    | 8.05        |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm          | CAS#        | Qual |
| 1         | 1-Propanol, 2-(2-hydroxypropoxy)-   | 134      | C6H14O3          | 000106-62-7 | 64   |
| 2         | Methane, diethoxy-                  | 104      | C5H12O2          | 000462-95-3 | 59   |
| 3         | Propane, 1,2-dimethoxy-             | 104      | C5H12O2          | 007778-85-0 | 58   |
| 4         | 2-Propanol, 1-[1-methyl-2-(2-pro... | 174      | C9H18O3          | 055956-25-7 | 56   |
| 5         | 2-Pentanol, 2,3-dimethyl-           | 116      | C7H16O           | 004911-70-0 | 42   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

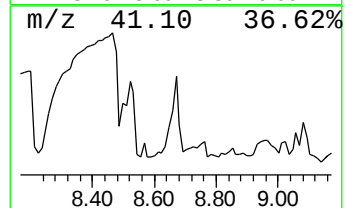
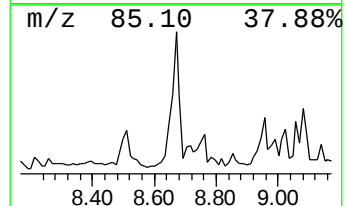
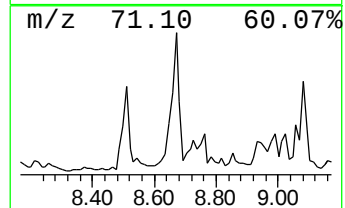
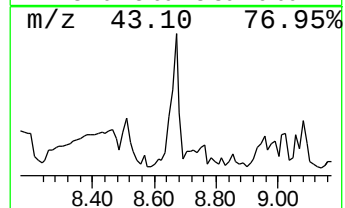
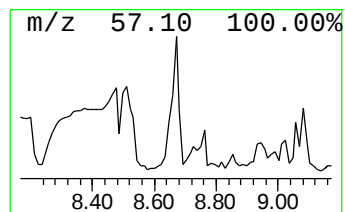
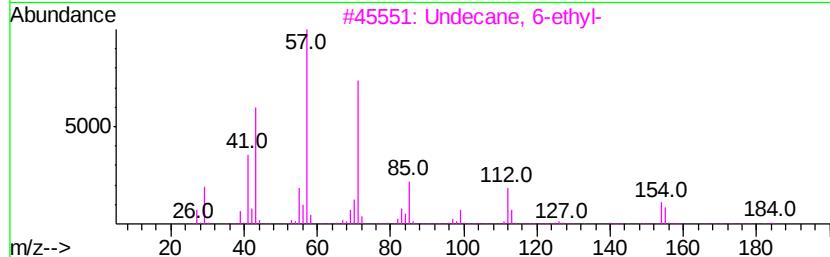
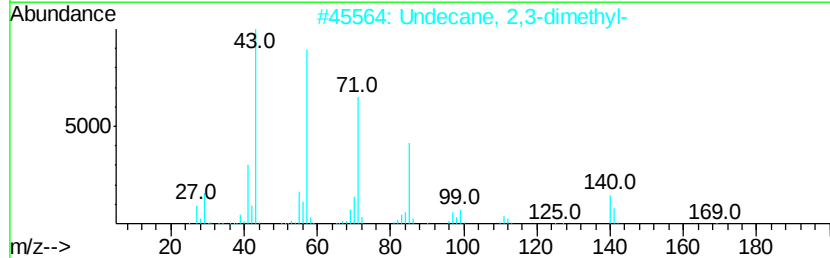
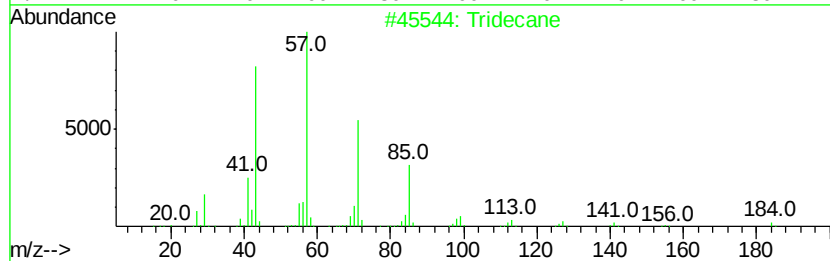
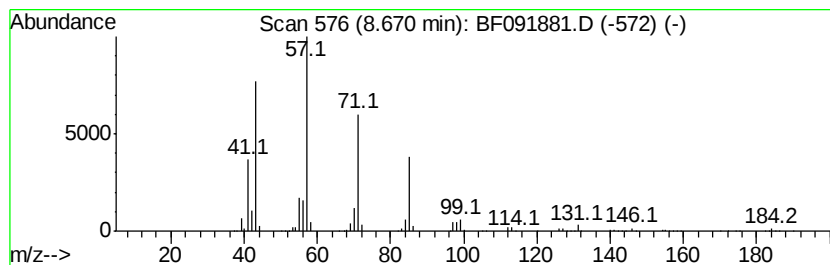
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Tridecane Concentration Rank 10

| R.T. | EstConc  | Area     | Relative to ISTD | R.T. |
|------|----------|----------|------------------|------|
| 8.67 | 32.95 ng | 14280000 | Naphthalene-d8   | 8.05 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane               | 184 | C13H28  | 000629-50-5 | 91   |
| 2    |    | Undecane, 2,3-dimethyl- | 184 | C13H28  | 017312-77-5 | 90   |
| 3    |    | Undecane, 6-ethyl-      | 184 | C13H28  | 017312-60-6 | 87   |
| 4    |    | Nonane, 5-butyl-        | 184 | C13H28  | 017312-63-9 | 87   |
| 5    |    | Tetradecane             | 198 | C14H30  | 000629-59-4 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

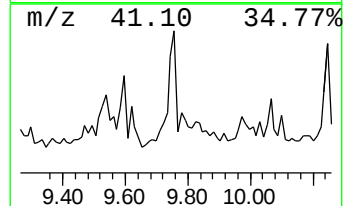
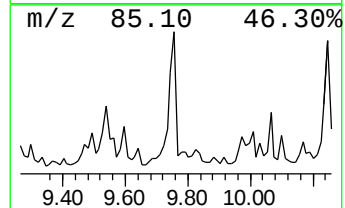
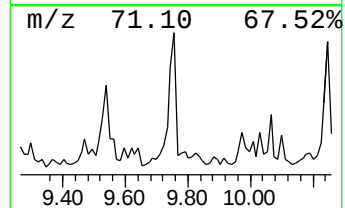
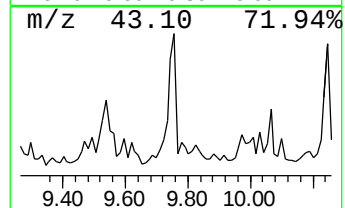
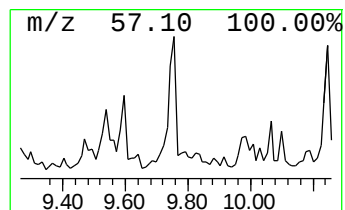
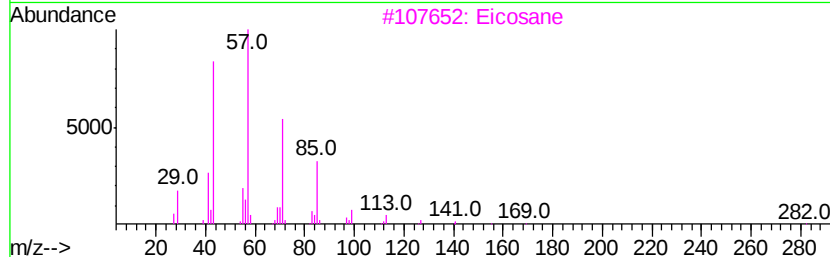
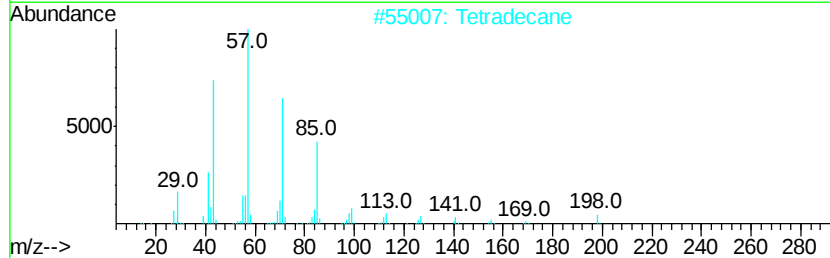
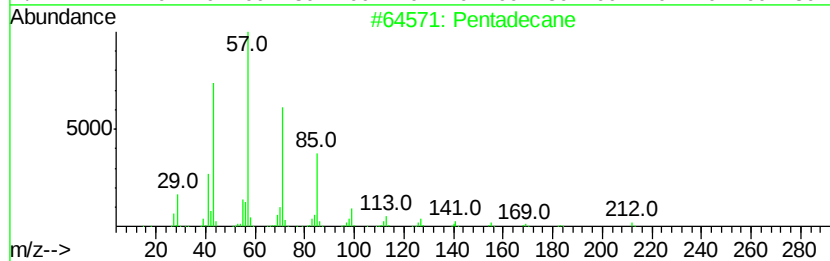
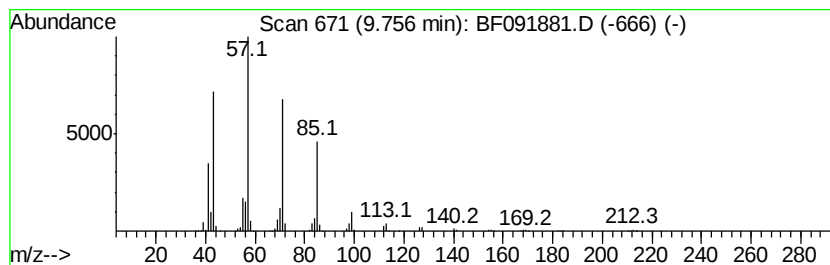
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ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Pentadecane Concentration Rank 17

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 9.76    | 25.80 ng            | 14402500     | Acenaphthene-d10 | 9.81      |
| Hit# of | 5                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentadecane         | 212 C15H32   | 000629-62-9      | 91        |
| 2       | Tetradecane         | 198 C14H30   | 000629-59-4      | 83        |
| 3       | Eicosane            | 282 C20H42   | 000112-95-8      | 83        |
| 4       | 10-Methylnonadecane | 282 C20H42   | 056862-62-5      | 83        |
| 5       | Hexadecane          | 226 C16H34   | 000544-76-3      | 80        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

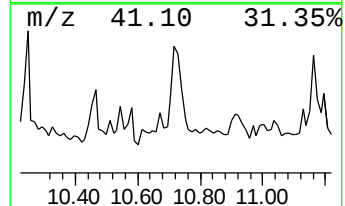
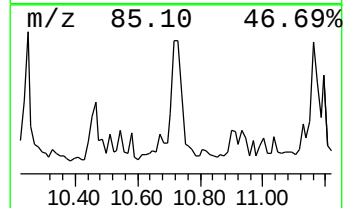
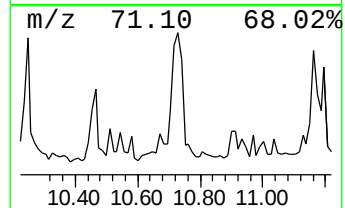
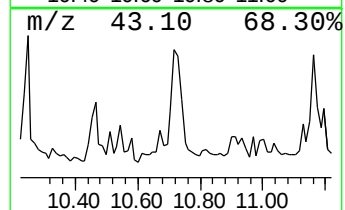
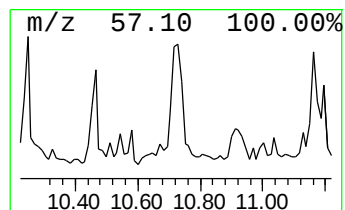
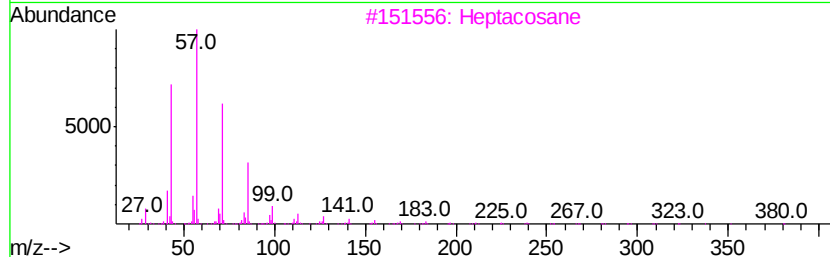
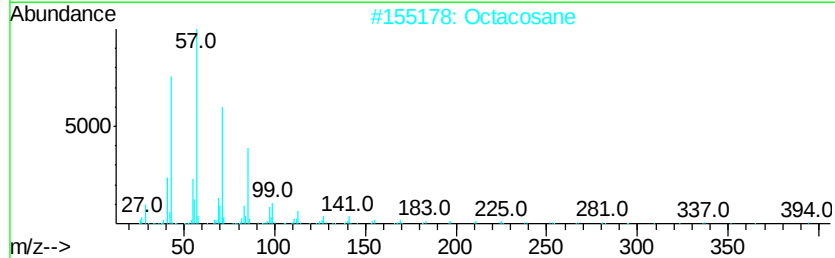
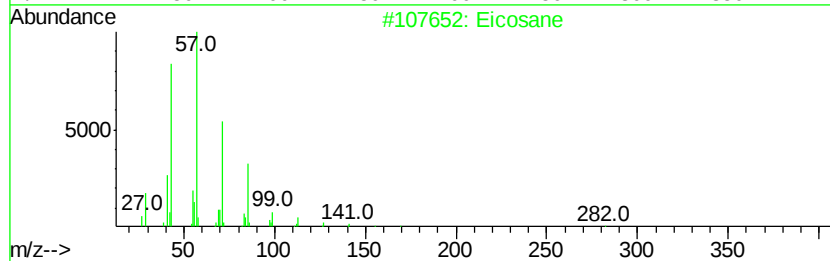
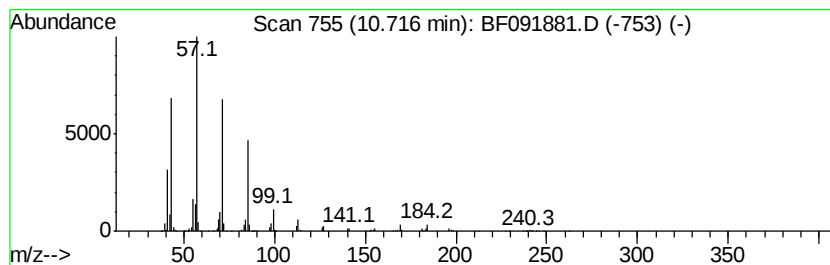
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Eicosane Concentration Rank 2

| R.T.    | EstConc     | Area         | Relative to ISTD | R.T.      |
|---------|-------------|--------------|------------------|-----------|
| 10.72   | 81.75 ng    | 15575800     | Phenanthrene-d10 | 11.29     |
| Hit# of | 5           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane    | 282 C20H42   | 000112-95-8      | 90        |
| 2       | Octacosane  | 394 C28H58   | 000630-02-4      | 90        |
| 3       | Heptacosane | 380 C27H56   | 000593-49-7      | 83        |
| 4       | Tridecane   | 184 C13H28   | 000629-50-5      | 76        |
| 5       | Hexadecane  | 226 C16H34   | 000544-76-3      | 72        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

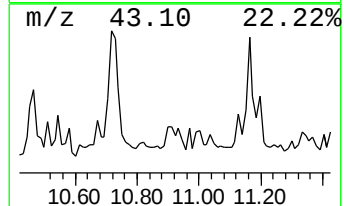
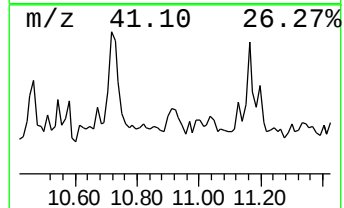
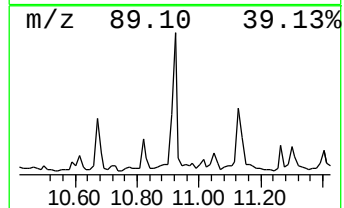
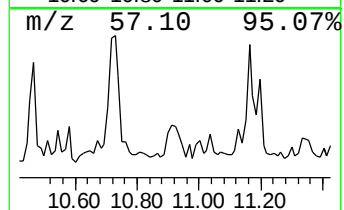
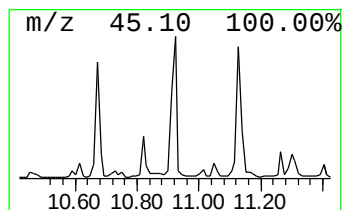
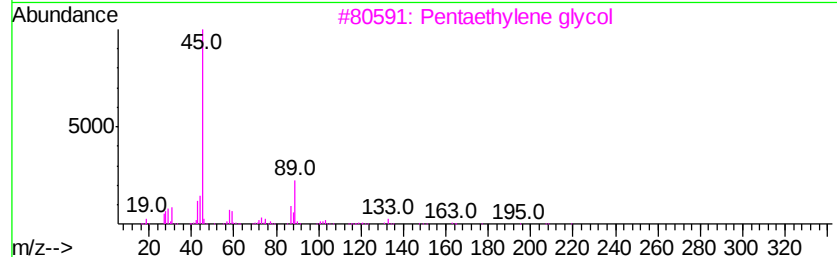
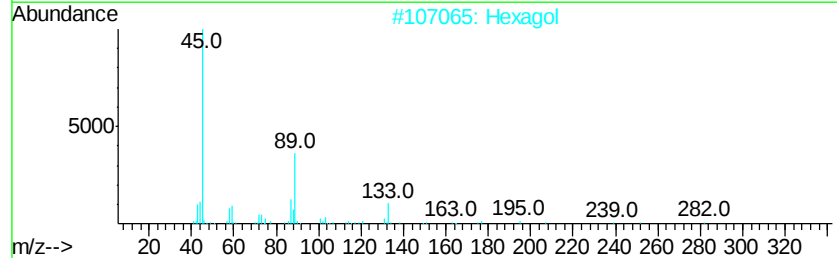
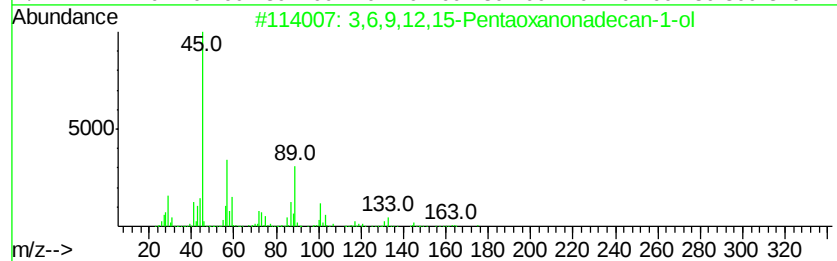
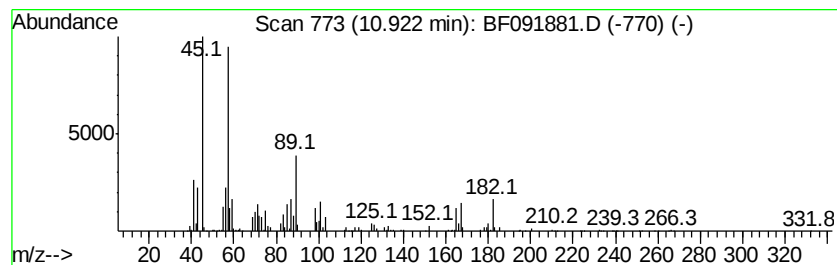
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 3,6,9,12,15-Pentaoxanonadec... Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.92 | 31.71 ng | 6042120 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3,6,9,12,15-Pentaoxanonadecan-1-ol | 294 | C14H30O6 | 001786-94-3 | 64   |
| 2    |    | Hexagol                            | 282 | C12H26O7 | 002615-15-8 | 53   |
| 3    |    | Pentaethylene glycol               | 238 | C10H22O6 | 004792-15-8 | 50   |
| 4    |    | Heptaethylene glycol               | 326 | C14H30O8 | 005617-32-3 | 50   |
| 5    |    | 3,6,9,12-Tetraoxahexadecan-1-ol    | 250 | C12H26O5 | 001559-34-8 | 49   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

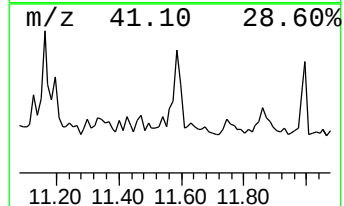
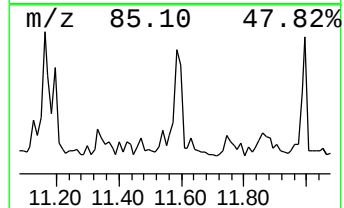
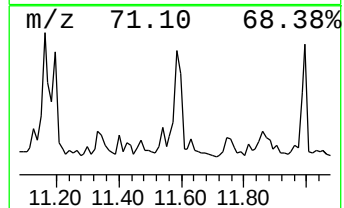
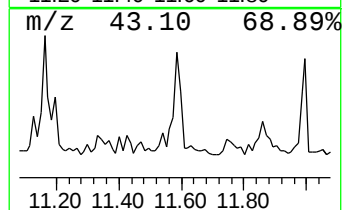
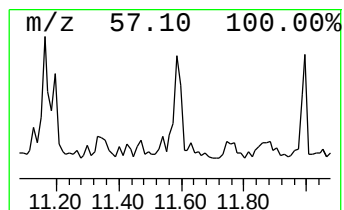
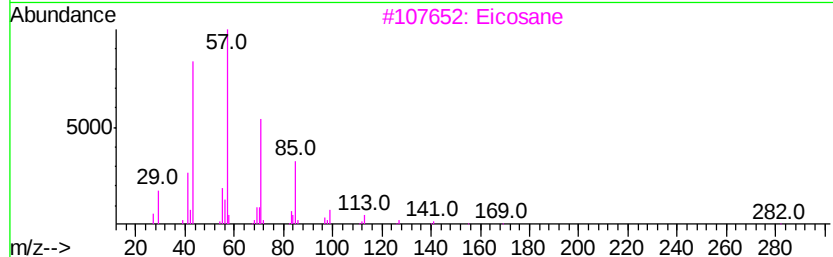
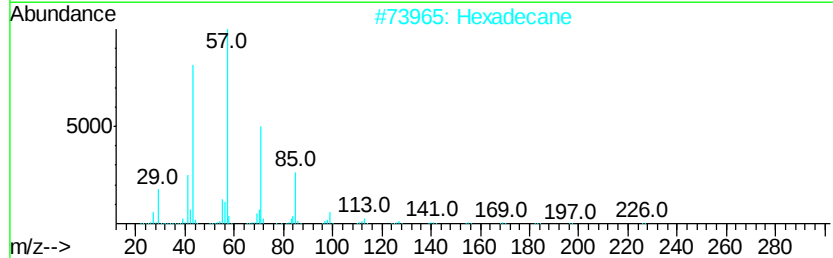
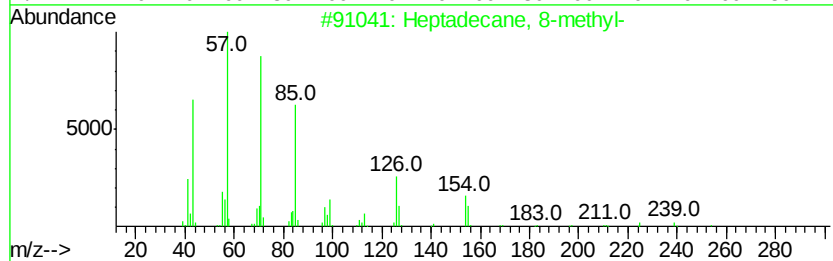
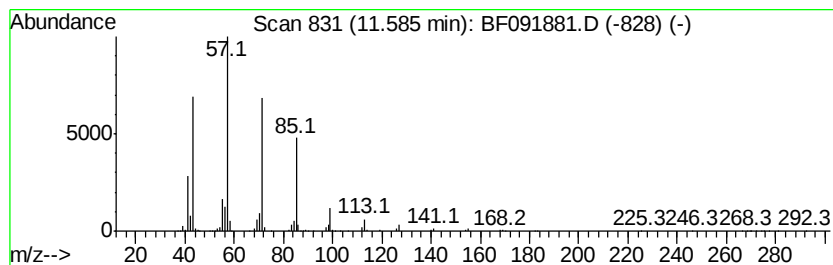
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Heptadecane, 8-methyl- Concentration Rank 4

| R.T.  | EstConc  | Area     | Relative to ISTD | R.T.  |
|-------|----------|----------|------------------|-------|
| 11.58 | 53.42 ng | 10177200 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#         | Qual |
|------|----|----------------------------|-----|----------|--------------|------|
| 1    | 5  | Heptadecane, 8-methyl-     | 254 | C18H38   | 013287-23-5  | 72   |
| 2    |    | Hexadecane                 | 226 | C16H34   | 000544-76-3  | 72   |
| 3    |    | Eicosane                   | 282 | C20H42   | 000112-95-8  | 64   |
| 4    |    | Tritetracontane            | 605 | C43H88   | 007098-21-7  | 64   |
| 5    |    | Borane, diethyl(decyloxy)- | 226 | C14H31BO | 1000152-34-3 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

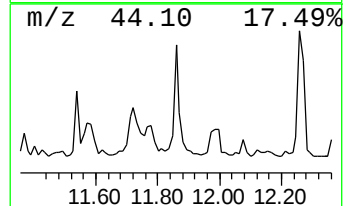
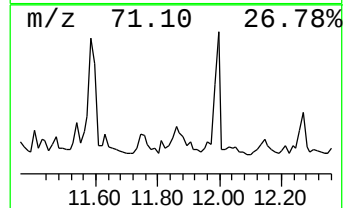
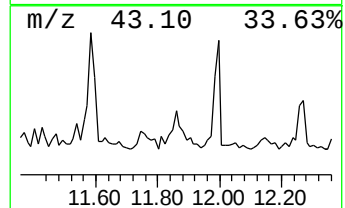
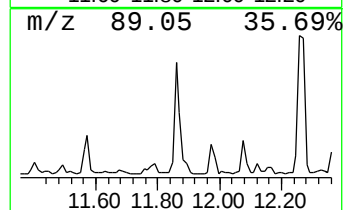
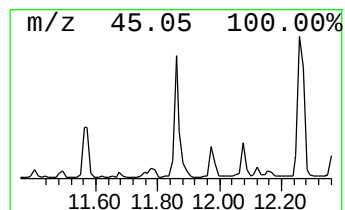
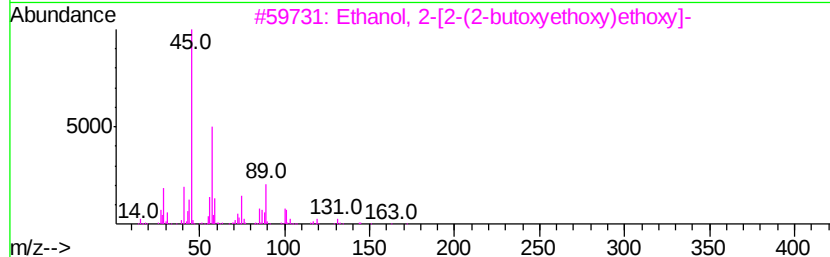
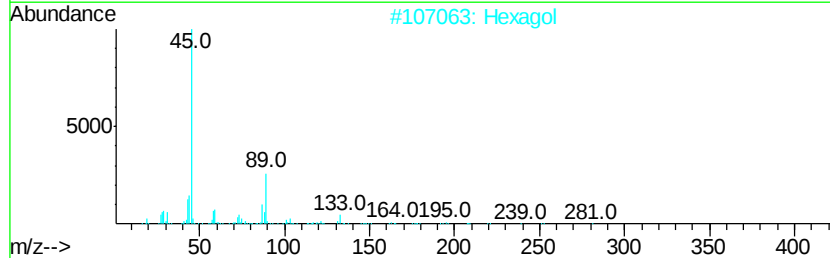
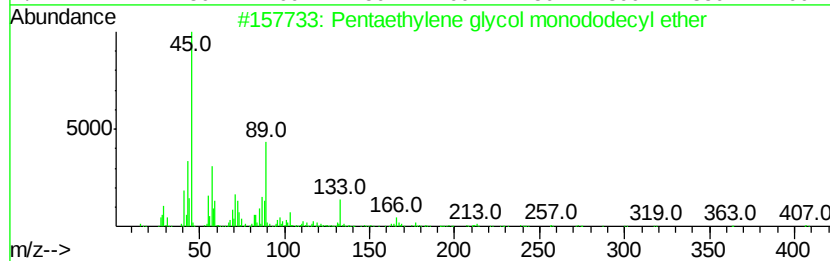
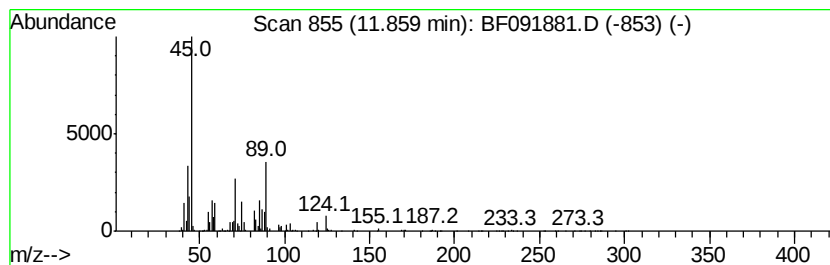
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Pentaethylene glycol monodo... Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.86 | 31.91 ng | 6080100 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentaethylene glycol monododecyl... | 406 | C22H46O6 | 003055-95-6 | 72   |
| 2    |    | Hexagol                             | 282 | C12H26O7 | 002615-15-8 | 64   |
| 3    |    | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 64   |
| 4    |    | Pentaethylene glycol                | 238 | C10H22O6 | 004792-15-8 | 59   |
| 5    |    | 3,6,9,12,15-Pentaoxanonadecan-1-ol  | 294 | C14H30O6 | 001786-94-3 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

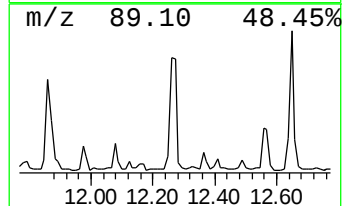
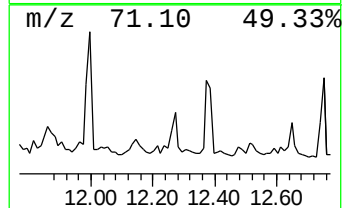
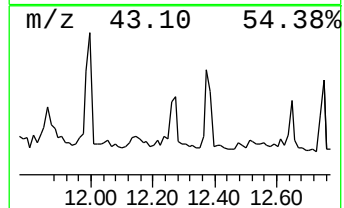
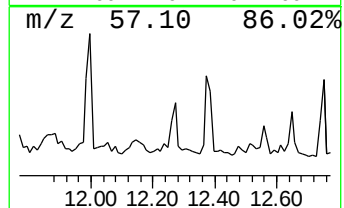
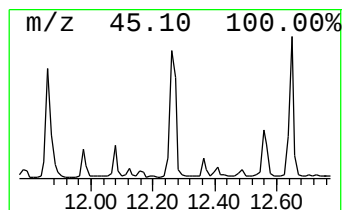
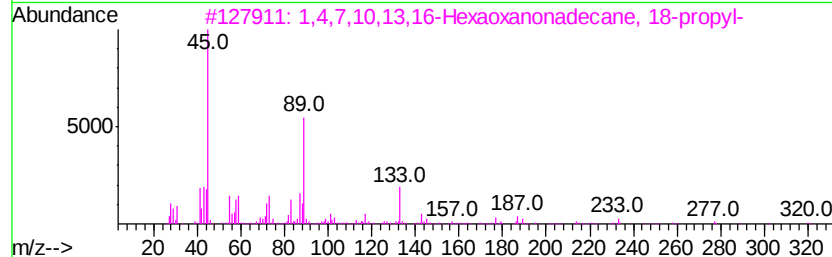
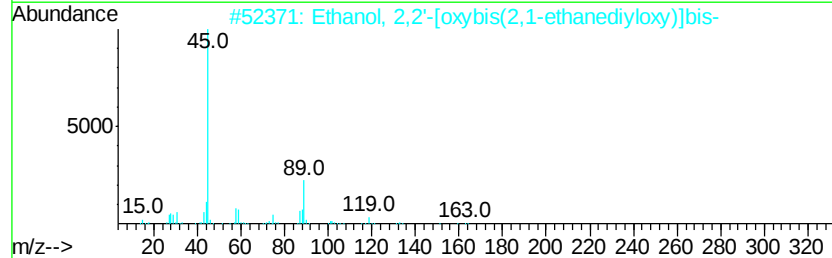
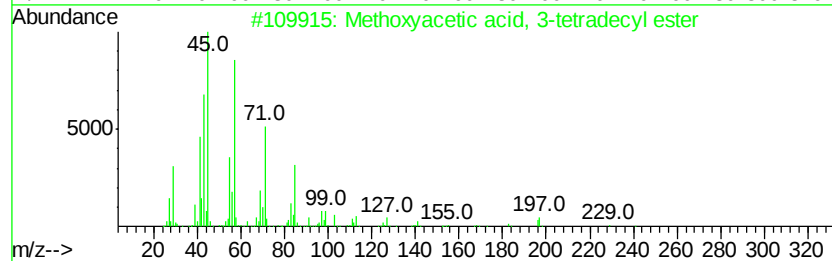
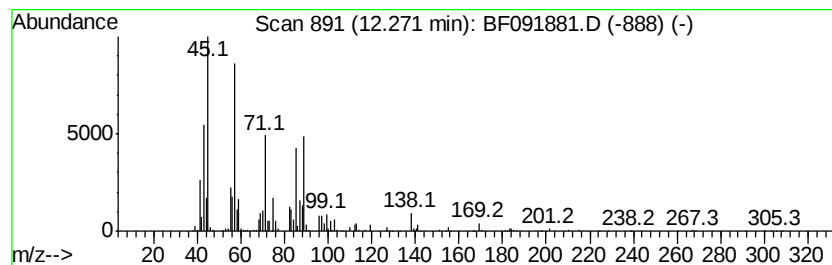
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Methoxyacetic acid, 3-tetra... Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.27 | 31.28 ng | 5958760 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Methoxyacetic acid, 3-tetradecyl... | 286 | C17H34O3 | 1000282-04-9 | 52   |
| 2    |    | Ethanol, 2,2'-[oxybis(2,1-ethane... | 194 | C8H18O5  | 000112-60-7  | 46   |
| 3    |    | 1,4,7,10,13,16-Hexaoxonadecane...   | 320 | C16H32O6 | 1000163-65-3 | 43   |
| 4    |    | Hexadecyl                           | 282 | C12H26O7 | 002615-15-8  | 43   |
| 5    |    | Pentaethylene glycol                | 238 | C10H22O6 | 004792-15-8  | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

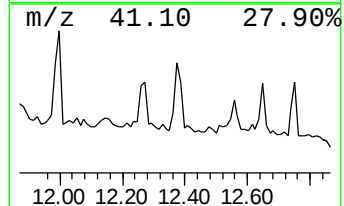
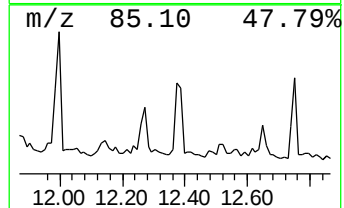
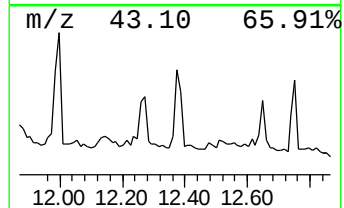
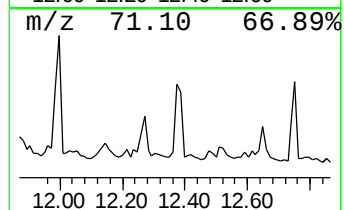
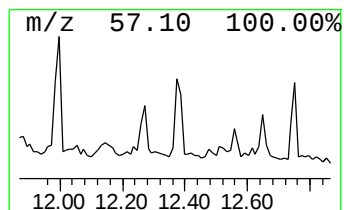
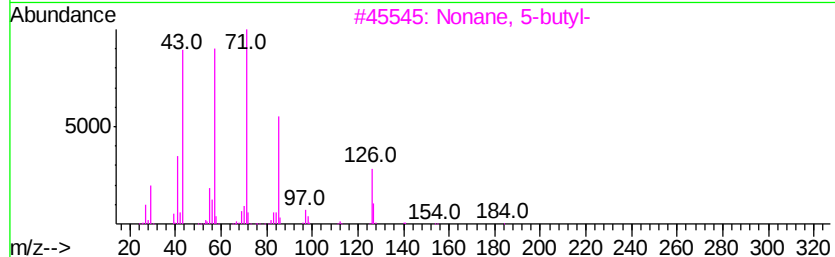
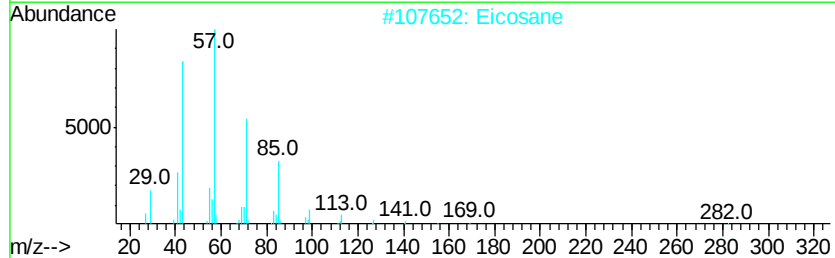
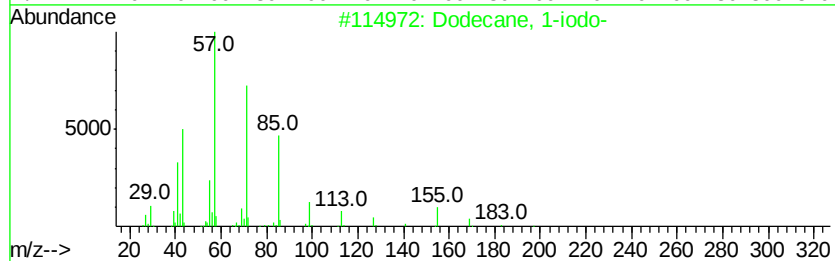
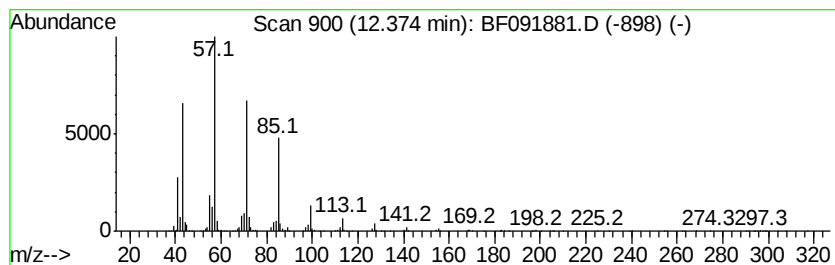
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Dodecane, 1-iodo- Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.37 | 34.02 ng | 6480890 | Phenanthrene-d10 | 11.29 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 1-iodo-         | 296 | C12H25I | 004292-19-7 | 86   |
| 2    |    | Eicosane                  | 282 | C20H42  | 000112-95-8 | 72   |
| 3    |    | Nonane, 5-butyl-          | 184 | C13H28  | 017312-63-9 | 68   |
| 4    |    | Tridecane, 2-methyl-      | 198 | C14H30  | 001560-96-9 | 64   |
| 5    |    | 1,3-Dimethylcyclopentanol | 114 | C7H14O  | 019550-46-0 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

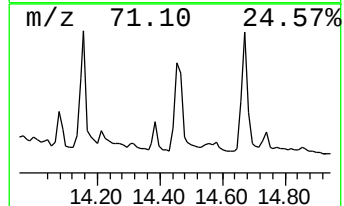
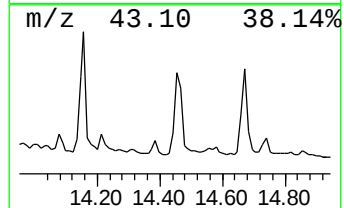
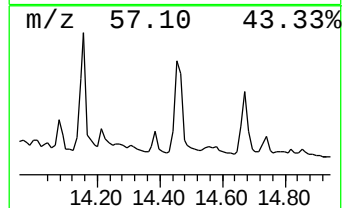
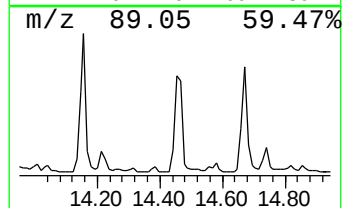
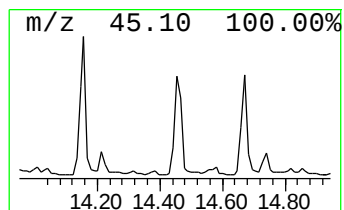
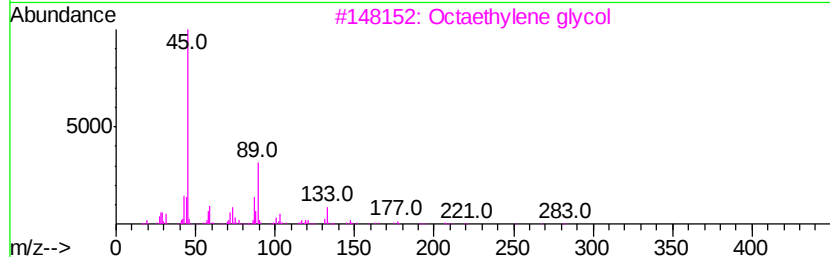
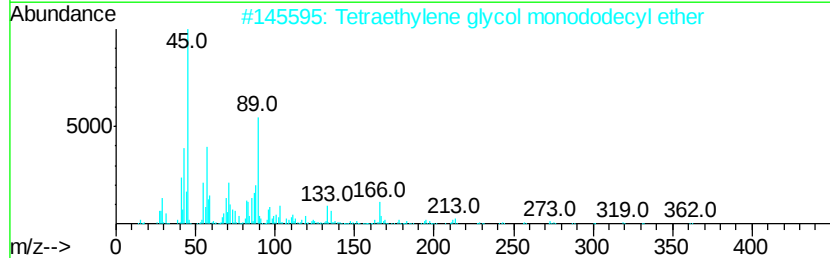
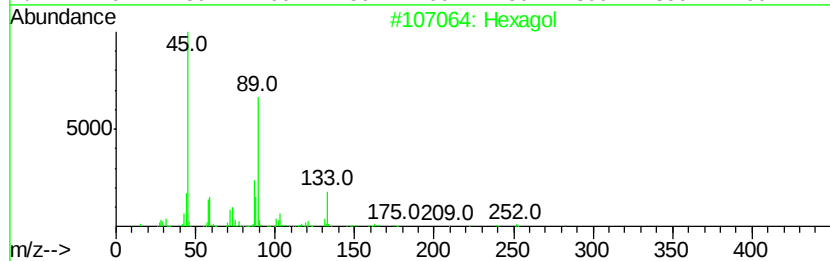
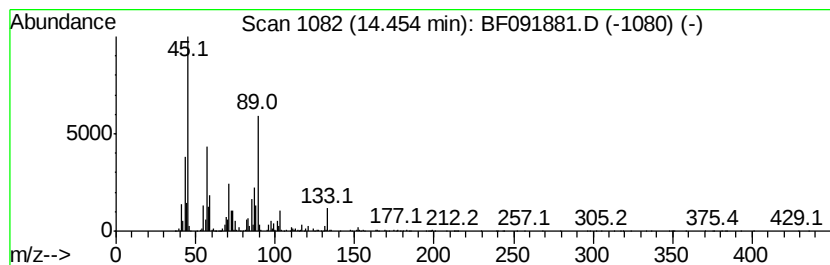
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Hexagol Concentration Rank 15

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.45 | 27.07 ng | 8878800 | Chrysene-d12     | 13.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Hexagol                             | 282 | C12H26O7 | 002615-15-8  | 87   |
| 2    |    | Tetraethylene glycol monododecyl... | 362 | C20H42O5 | 005274-68-0  | 86   |
| 3    |    | Octaethylene glycol                 | 370 | C16H34O9 | 1000289-34-2 | 80   |
| 4    |    | Pentaethylene glycol monododecyl... | 406 | C22H46O6 | 003055-95-6  | 80   |
| 5    |    | 3,6,9,12,15-Pentaoxanonadecan-1-ol  | 294 | C14H30O6 | 001786-94-3  | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091881.D  
Acq On : 22 Dec 2016 13:02  
Operator : UM/SJ  
Sample : H6200-07  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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 |
| Propylene Glycol     | 3.24  | 23.7    | ng    | 4427000  | 1                     | 6.75  | 3731920  | 20.0 |
| Decane               | 6.59  | 61.7    | ng    | 11515000 | 1                     | 6.75  | 3731920  | 20.0 |
| Benzene, 1-methyl... | 7.04  | 26.0    | ng    | 4852520  | 1                     | 6.75  | 3731920  | 20.0 |
| Decane, 3-methyl-    | 7.15  | 25.3    | ng    | 4710970  | 1                     | 6.75  | 3731920  | 20.0 |
| 2-Propanol, 1-[1-... | 8.35  | 140.8   | ng    | 61033700 | 2                     | 8.05  | 8667880  | 20.0 |
| 1-Propanol, 2-(2-... | 8.52  | 38.6    | ng    | 16727300 | 2                     | 8.05  | 8667880  | 20.0 |
| Tridecane            | 8.67  | 33.0    | ng    | 14280000 | 2                     | 8.05  | 8667880  | 20.0 |
| Pentadecane          | 9.76  | 25.8    | ng    | 14402500 | 3                     | 9.81  | 11163700 | 20.0 |
| Eicosane             | 10.72 | 81.8    | ng    | 15575800 | 4                     | 11.29 | 3810470  | 20.0 |
| 3,6,9,12,15-Penta... | 10.92 | 31.7    | ng    | 6042120  | 4                     | 11.29 | 3810470  | 20.0 |
| Heptadecane, 8-me... | 11.58 | 53.4    | ng    | 10177200 | 4                     | 11.29 | 3810470  | 20.0 |
| Pentaethylene gly... | 11.86 | 31.9    | ng    | 6080100  | 4                     | 11.29 | 3810470  | 20.0 |
| Methoxyacetic aci... | 12.27 | 31.3    | ng    | 5958760  | 4                     | 11.29 | 3810470  | 20.0 |
| Dodecane, 1-iodo-    | 12.37 | 34.0    | ng    | 6480890  | 4                     | 11.29 | 3810470  | 20.0 |
| Hexagol              | 14.45 | 27.1    | ng    | 8878800  | 5                     | 13.92 | 6559790  | 20.0 |