

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
 Data File : BF077061.D  
 Acq On : 26 Jan 2015 19:48  
 Operator : TP/IZ  
 Sample : G1138-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 275B1B

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-BF011415.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         | 6.184       | 440           | 446         | 449          | rVB      | 499916         | 1236289       | 10.01%          | 0.418%        |
| 2         | 6.779       | 496           | 498         | 502          | rVB2     | 668826         | 1554101       | 12.59%          | 0.525%        |
| 3         | 6.984       | 511           | 516         | 520          | rBV3     | 460950         | 1198098       | 9.70%           | 0.405%        |
| 4         | 7.419       | 547           | 554         | 556          | rBV      | 1845752        | 3362608       | 27.23%          | 1.137%        |
| 5         | 7.704       | 573           | 579         | 582          | rBV3     | 339629         | 989803        | 8.02%           | 0.335%        |
| 6         | 7.922       | 594           | 598         | 601          | rBV      | 845081         | 1611339       | 13.05%          | 0.545%        |
| 7         | 7.990       | 601           | 604         | 608          | rVB2     | 1100785        | 2209329       | 17.89%          | 0.747%        |
| 8         | 8.093       | 608           | 613         | 616          | rBV2     | 423809         | 985539        | 7.98%           | 0.333%        |
| 9         | 8.162       | 616           | 619         | 621          | rBV      | 847565         | 1384128       | 11.21%          | 0.468%        |
| 10        | 8.585       | 652           | 656         | 657          | rBV      | 786037         | 1617712       | 13.10%          | 0.547%        |
| 11        | 8.607       | 657           | 658         | 662          | rVB      | 924291         | 1430315       | 11.58%          | 0.483%        |
| 12        | 8.733       | 666           | 669         | 675          | rVB      | 691086         | 1555786       | 12.60%          | 0.526%        |
| 13        | 8.927       | 683           | 686         | 688          | rBV      | 707267         | 1418112       | 11.49%          | 0.479%        |
| 14        | 8.973       | 688           | 690         | 692          | rVB      | 701545         | 1033260       | 8.37%           | 0.349%        |
| 15        | 9.087       | 697           | 700         | 704          | rBV2     | 1861405        | 3430602       | 27.79%          | 1.159%        |
| 16        | 9.293       | 715           | 718         | 721          | rBV3     | 315446         | 958122        | 7.76%           | 0.324%        |
| 17        | 9.396       | 721           | 727         | 730          | rVB5     | 470068         | 1456545       | 11.80%          | 0.492%        |
| 18        | 9.613       | 742           | 746         | 750          | rBV3     | 869446         | 2234490       | 18.10%          | 0.755%        |
| 19        | 9.682       | 750           | 752         | 757          | rVB      | 985863         | 1628470       | 13.19%          | 0.550%        |
| 20        | 9.808       | 757           | 763         | 765          | rBV3     | 449661         | 1005989       | 8.15%           | 0.340%        |
| 21        | 9.853       | 765           | 767         | 771          | rVB2     | 661526         | 1314944       | 10.65%          | 0.444%        |
| 22        | 9.956       | 771           | 776         | 778          | rBV3     | 749860         | 2326041       | 18.84%          | 0.786%        |
| 23        | 10.048      | 782           | 784         | 789          | rVB2     | 659425         | 1301070       | 10.54%          | 0.440%        |
| 24        | 10.150      | 789           | 793         | 794          | rBV2     | 1357847        | 2760143       | 22.36%          | 0.933%        |
| 25        | 10.185      | 794           | 796         | 798          | rVB      | 879932         | 1315399       | 10.65%          | 0.445%        |
| 26        | 10.242      | 798           | 801         | 804          | rBV2     | 564328         | 1150697       | 9.32%           | 0.389%        |
| 27        | 10.333      | 804           | 809         | 813          | rBV4     | 1114888        | 3244092       | 26.28%          | 1.096%        |
| 28        | 10.413      | 813           | 816         | 821          | rVB3     | 660297         | 1916948       | 15.53%          | 0.648%        |
| 29        | 10.562      | 827           | 829         | 835          | rVB2     | 619130         | 1143044       | 9.26%           | 0.386%        |
| 30        | 10.756      | 835           | 846         | 855          | rBV3     | 2004796        | 10973373      | 88.88%          | 3.709%        |
| 31        | 10.905      | 855           | 859         | 866          | rVB      | 1265453        | 3271660       | 26.50%          | 1.106%        |
| 32        | 11.179      | 879           | 883         | 885          | rBV      | 1727646        | 3088418       | 25.01%          | 1.044%        |
| 33        | 11.225      | 885           | 887         | 890          | rVB2     | 981131         | 1426267       | 11.55%          | 0.482%        |
| 34        | 11.293      | 890           | 893         | 894          | rBV2     | 589052         | 1362720       | 11.04%          | 0.461%        |

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

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 35 | 11.453 | 903  | 907  | 910  | rBV  | 658457  | 1468149  | 11.89% | 0.496% |
| 36 | 11.591 | 914  | 919  | 923  | rVB5 | 537000  | 1865261  | 15.11% | 0.630% |
| 37 | 11.716 | 927  | 930  | 934  | rBV  | 913339  | 1710891  | 13.86% | 0.578% |
| 38 | 11.888 | 938  | 945  | 947  | rBV3 | 790466  | 3113515  | 25.22% | 1.052% |
| 39 | 11.979 | 947  | 953  | 956  | rVB3 | 1575932 | 4308112  | 34.89% | 1.456% |
| 40 | 12.059 | 956  | 960  | 962  | rBV  | 1699769 | 3360692  | 27.22% | 1.136% |
| 41 | 12.116 | 962  | 965  | 974  | rVB6 | 970015  | 4412177  | 35.74% | 1.491% |
| 42 | 12.322 | 975  | 983  | 986  | rBV4 | 1228356 | 4824771  | 39.08% | 1.631% |
| 43 | 12.459 | 989  | 995  | 1000 | rVB  | 3918185 | 10933892 | 88.56% | 3.695% |
| 44 | 12.665 | 1005 | 1013 | 1018 | rBV2 | 2223125 | 6878324  | 55.71% | 2.325% |
| 45 | 12.756 | 1018 | 1021 | 1024 | rBV2 | 1761404 | 3638386  | 29.47% | 1.230% |
| 46 | 12.825 | 1024 | 1027 | 1030 | rVB2 | 762697  | 1789345  | 14.49% | 0.605% |
| 47 | 12.916 | 1030 | 1035 | 1037 | rBV4 | 472462  | 1286591  | 10.42% | 0.435% |
| 48 | 13.076 | 1046 | 1049 | 1053 | rVB3 | 1647007 | 3623946  | 29.35% | 1.225% |
| 49 | 13.282 | 1063 | 1067 | 1068 | rBV2 | 530331  | 1304062  | 10.56% | 0.441% |
| 50 | 13.362 | 1073 | 1074 | 1079 | rVB3 | 492425  | 1027830  | 8.32%  | 0.347% |
| 51 | 13.499 | 1079 | 1086 | 1089 | rBV2 | 2755401 | 7898114  | 63.97% | 2.669% |
| 52 | 13.717 | 1101 | 1105 | 1108 | rBV2 | 1188242 | 3350898  | 27.14% | 1.133% |
| 53 | 13.785 | 1108 | 1111 | 1115 | rVV  | 1573522 | 4548787  | 36.84% | 1.537% |
| 54 | 13.854 | 1115 | 1117 | 1120 | rVV  | 555701  | 941719   | 7.63%  | 0.318% |
| 55 | 13.979 | 1120 | 1128 | 1134 | rVB2 | 2613285 | 10760596 | 87.15% | 3.637% |
| 56 | 14.139 | 1134 | 1142 | 1145 | rBV  | 2988039 | 12046219 | 97.57% | 4.071% |
| 57 | 14.208 | 1145 | 1148 | 1152 | rVB2 | 2916482 | 6960125  | 56.37% | 2.352% |
| 58 | 14.402 | 1159 | 1165 | 1168 | rBV3 | 1480510 | 5095861  | 41.27% | 1.722% |
| 59 | 14.471 | 1168 | 1171 | 1175 | rVB3 | 1026658 | 2315109  | 18.75% | 0.782% |
| 60 | 14.608 | 1175 | 1183 | 1186 | rBV2 | 2546799 | 8671207  | 70.23% | 2.931% |
| 61 | 14.677 | 1186 | 1189 | 1193 | rBV5 | 1113792 | 2903144  | 23.51% | 0.981% |
| 62 | 14.837 | 1200 | 1203 | 1208 | rVB3 | 712927  | 2211966  | 17.92% | 0.748% |
| 63 | 14.951 | 1208 | 1213 | 1215 | rBV2 | 1212770 | 3302662  | 26.75% | 1.116% |
| 64 | 15.214 | 1231 | 1236 | 1242 | rBV2 | 1700053 | 6466100  | 52.37% | 2.185% |
| 65 | 15.305 | 1242 | 1244 | 1247 | rVB2 | 652403  | 1209751  | 9.80%  | 0.409% |
| 66 | 15.408 | 1247 | 1253 | 1254 | rBV4 | 569853  | 1895465  | 15.35% | 0.641% |
| 67 | 15.454 | 1254 | 1257 | 1259 | rVV  | 1840192 | 3367637  | 27.28% | 1.138% |
| 68 | 15.545 | 1259 | 1265 | 1270 | rVB  | 2206545 | 5396118  | 43.71% | 1.824% |
| 69 | 15.694 | 1274 | 1278 | 1281 | rVV2 | 1698455 | 4579206  | 37.09% | 1.548% |
| 70 | 15.762 | 1281 | 1284 | 1286 | rVV2 | 1839325 | 3573093  | 28.94% | 1.208% |
| 71 | 15.842 | 1288 | 1291 | 1293 | rVV3 | 1152606 | 2726183  | 22.08% | 0.921% |

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 ClientSampleId :  
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Integration Parameters: rteint.p  
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 Sampling : 1  
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 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 72  | 15.911 | 1293 | 1297 | 1300 | rVB3 | 1362922 | 3677072  | 29.78%  | 1.243% |
| 73  | 16.105 | 1311 | 1314 | 1317 | rVV3 | 964128  | 2438005  | 19.75%  | 0.824% |
| 74  | 16.231 | 1322 | 1325 | 1326 | rBV2 | 855309  | 1956305  | 15.84%  | 0.661% |
| 75  | 16.505 | 1347 | 1349 | 1352 | rVB2 | 733365  | 1258758  | 10.20%  | 0.425% |
| 76  | 16.563 | 1352 | 1354 | 1355 | rBV2 | 572642  | 952001   | 7.71%   | 0.322% |
| 77  | 16.631 | 1355 | 1360 | 1364 | rVB2 | 2383152 | 6071687  | 49.18%  | 2.052% |
| 78  | 16.803 | 1373 | 1375 | 1377 | rBV3 | 426781  | 959626   | 7.77%   | 0.324% |
| 79  | 16.848 | 1377 | 1379 | 1381 | rVB  | 660461  | 939357   | 7.61%   | 0.317% |
| 80  | 16.974 | 1387 | 1390 | 1391 | rBV  | 579090  | 1129222  | 9.15%   | 0.382% |
| 81  | 17.008 | 1391 | 1393 | 1395 | rVB2 | 680577  | 970936   | 7.86%   | 0.328% |
| 82  | 17.088 | 1395 | 1400 | 1403 | rBV  | 5139173 | 12346673 | 100.00% | 4.173% |
| 83  | 17.157 | 1403 | 1406 | 1409 | rVB3 | 1205622 | 2196801  | 17.79%  | 0.742% |
| 84  | 17.294 | 1415 | 1418 | 1420 | rBV3 | 817823  | 1787926  | 14.48%  | 0.604% |
| 85  | 17.340 | 1420 | 1422 | 1425 | rVB2 | 1300389 | 2050299  | 16.61%  | 0.693% |
| 86  | 17.511 | 1433 | 1437 | 1439 | rBV3 | 1201558 | 2818524  | 22.83%  | 0.953% |
| 87  | 17.717 | 1452 | 1455 | 1457 | rVB  | 1462254 | 2251588  | 18.24%  | 0.761% |
| 88  | 17.785 | 1457 | 1461 | 1465 | rBV  | 3536375 | 6949517  | 56.29%  | 2.349% |
| 89  | 17.911 | 1469 | 1472 | 1473 | rBV4 | 763800  | 1518484  | 12.30%  | 0.513% |
| 90  | 18.277 | 1501 | 1504 | 1508 | rVB2 | 1390445 | 2910798  | 23.58%  | 0.984% |
| 91  | 18.426 | 1515 | 1517 | 1519 | rBV  | 1150790 | 1587825  | 12.86%  | 0.537% |
| 92  | 18.471 | 1519 | 1521 | 1523 | rVV  | 1541407 | 2153034  | 17.44%  | 0.728% |
| 93  | 18.563 | 1527 | 1529 | 1531 | rVV  | 679255  | 1335220  | 10.81%  | 0.451% |
| 94  | 18.597 | 1531 | 1532 | 1535 | rVB  | 981179  | 1572836  | 12.74%  | 0.532% |
| 95  | 18.768 | 1543 | 1547 | 1550 | rBV5 | 478486  | 1387490  | 11.24%  | 0.469% |
| 96  | 19.077 | 1572 | 1574 | 1579 | rVB2 | 842862  | 2216827  | 17.95%  | 0.749% |
| 97  | 19.180 | 1580 | 1583 | 1585 | rBV  | 1322122 | 2193958  | 17.77%  | 0.742% |
| 98  | 19.248 | 1588 | 1589 | 1591 | rVV  | 761744  | 938860   | 7.60%   | 0.317% |
| 99  | 19.626 | 1620 | 1622 | 1627 | rVB2 | 549686  | 1053630  | 8.53%   | 0.356% |
| 100 | 19.900 | 1643 | 1646 | 1652 | rVV  | 945400  | 1586356  | 12.85%  | 0.536% |

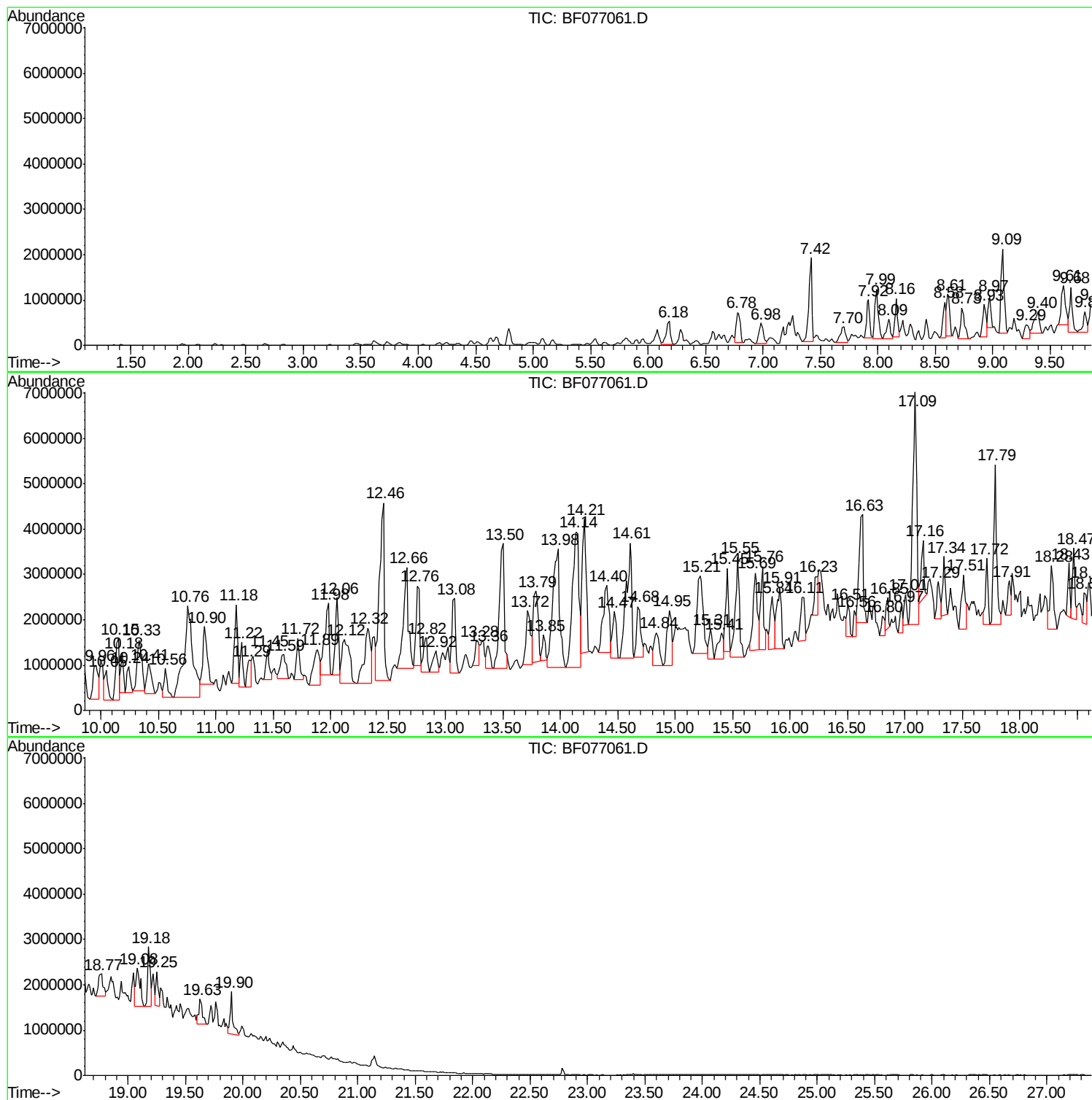
Sum of corrected areas: 295870972

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Misc :  
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Instrument :  
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ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.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\BF012615\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

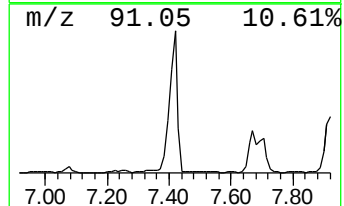
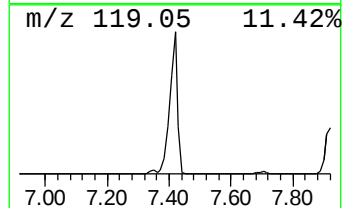
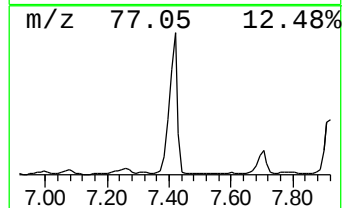
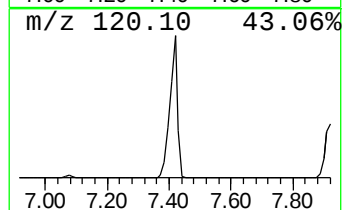
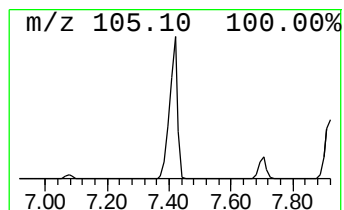
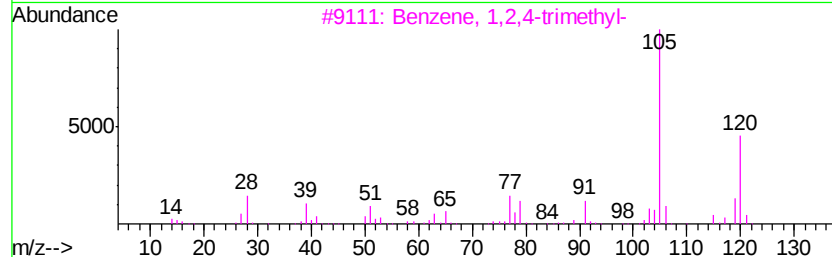
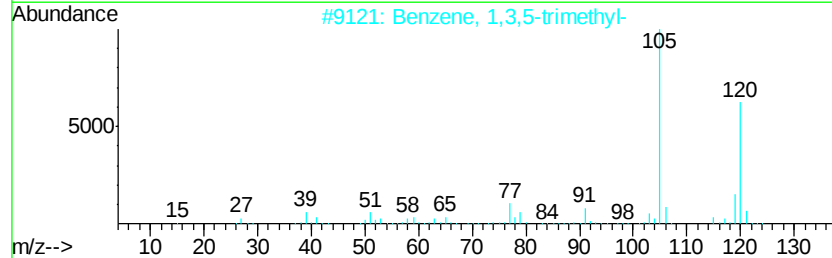
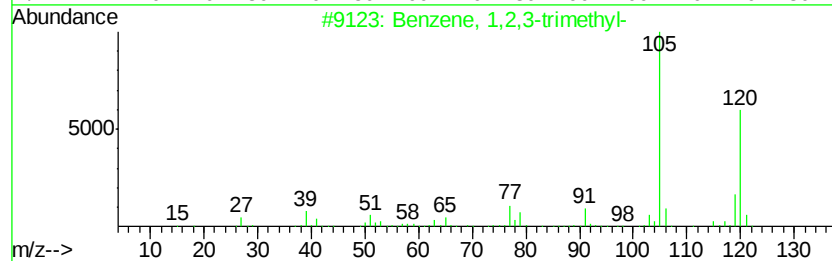
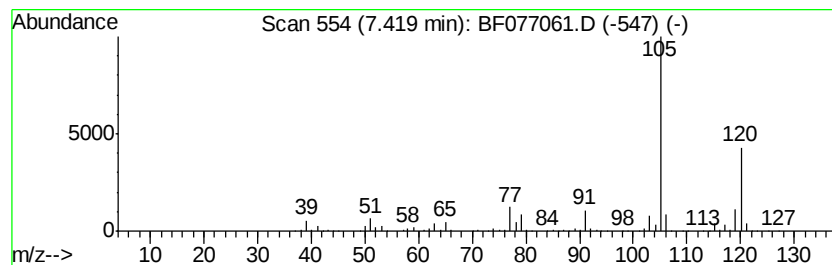
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.42 | 67.95 ng | 3362610 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of | 5                          | Tentative ID | MW    | MolForm     | CAS# | Qual |
|---------|----------------------------|--------------|-------|-------------|------|------|
| 1       | Benzene, 1,2,3-trimethyl-  | 120          | C9H12 | 000526-73-8 | 97   |      |
| 2       | Benzene, 1,3,5-trimethyl-  | 120          | C9H12 | 000108-67-8 | 94   |      |
| 3       | Benzene, 1,2,4-trimethyl-  | 120          | C9H12 | 000095-63-6 | 94   |      |
| 4       | Benzene, 1-ethyl-3-methyl- | 120          | C9H12 | 000620-14-4 | 90   |      |
| 5       | Benzene, 1-ethyl-2-methyl- | 120          | C9H12 | 000611-14-3 | 87   |      |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

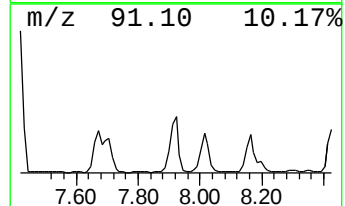
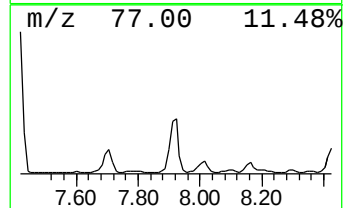
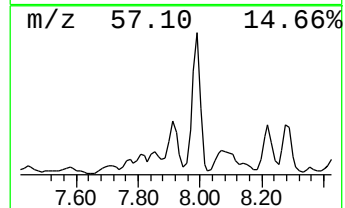
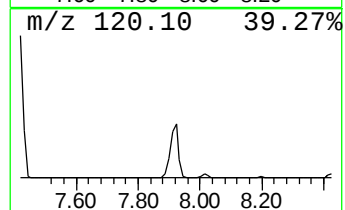
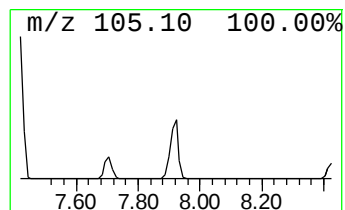
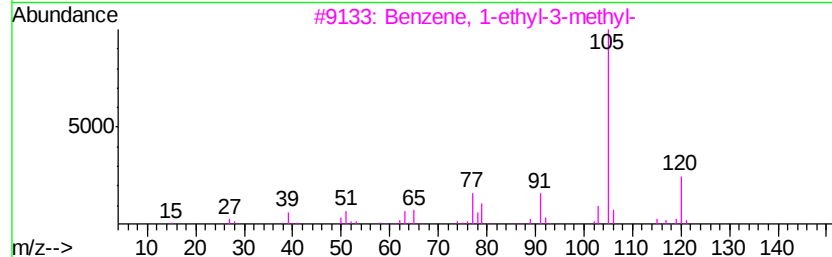
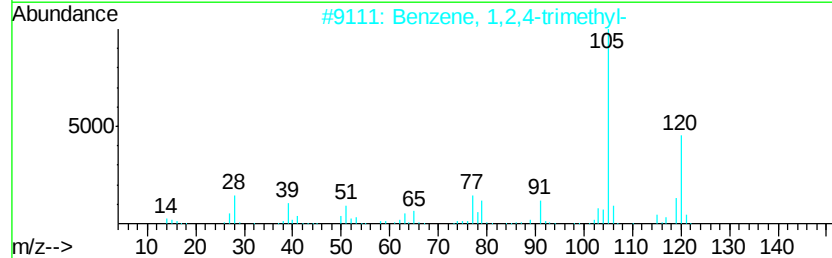
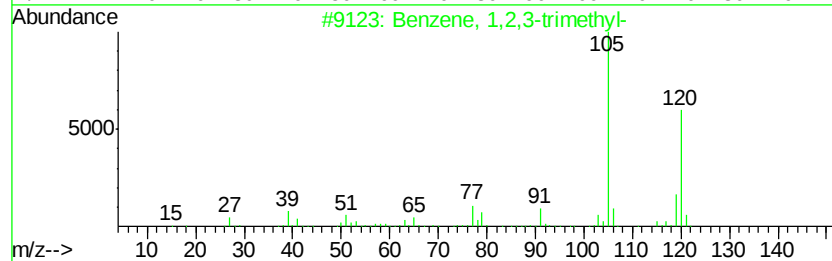
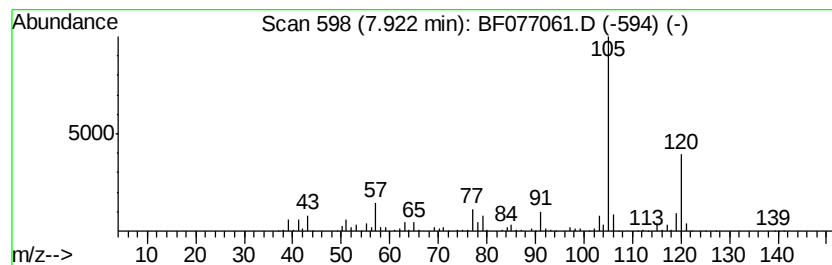
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 19

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.92 | 32.56 ng | 1611340 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 94   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 3    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 87   |
| 4    |    | Benzene, 1,3,5-trimethyl-  | 120 | C9H12   | 000108-67-8 | 87   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 81   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

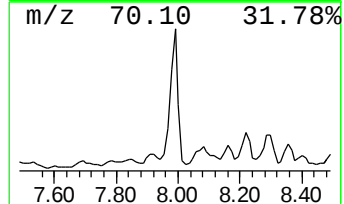
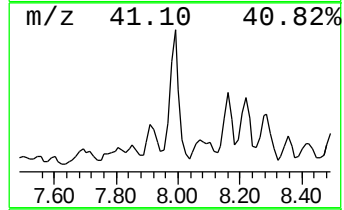
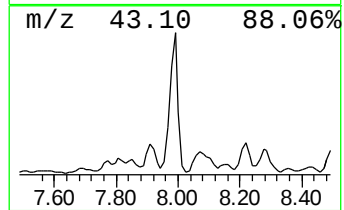
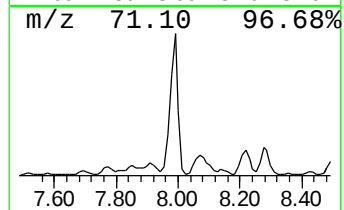
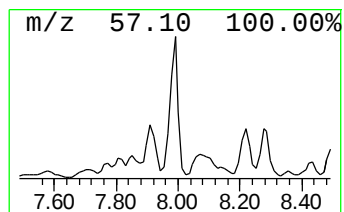
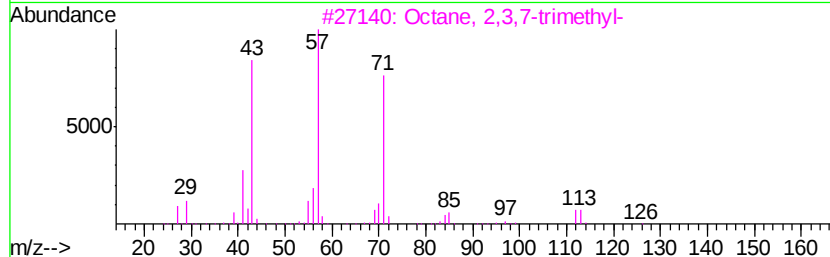
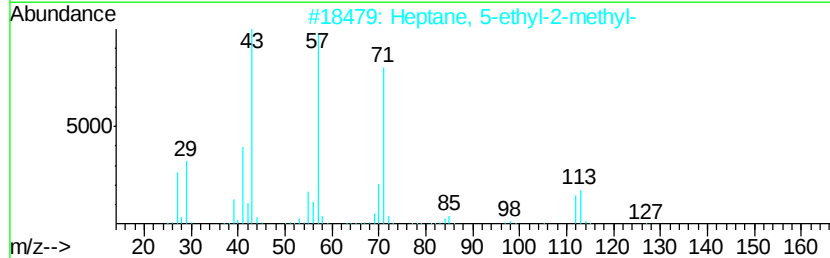
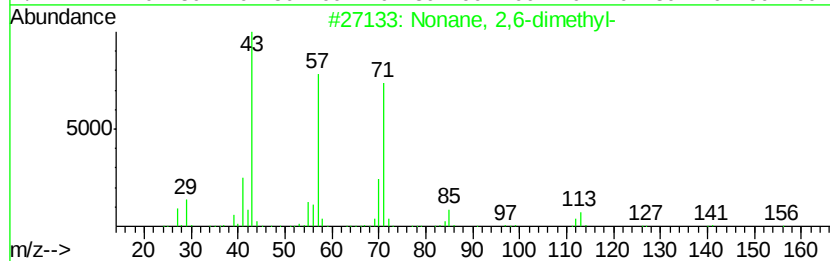
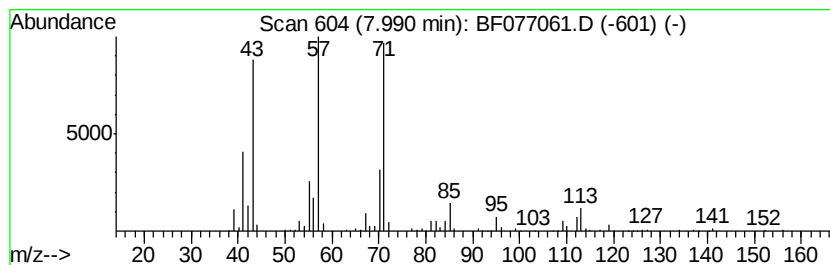
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Nonane, 2,6-dimethyl- Concentration Rank 13

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.99 | 44.64 ng | 2209330 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 2,6-dimethyl-      | 156 | C11H24  | 017302-28-2 | 78   |
| 2    |    | Heptane, 5-ethyl-2-methyl- | 142 | C10H22  | 013475-78-0 | 72   |
| 3    |    | Octane, 2,3,7-trimethyl-   | 156 | C11H24  | 062016-34-6 | 64   |
| 4    |    | Octane, 3-ethyl-           | 142 | C10H22  | 005881-17-4 | 64   |
| 5    |    | Heptane, 3,3,5-trimethyl-  | 142 | C10H22  | 007154-80-5 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

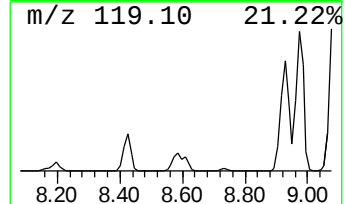
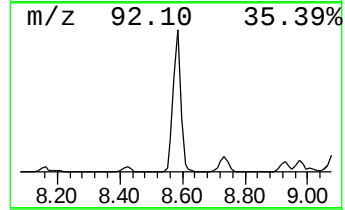
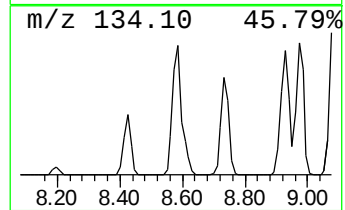
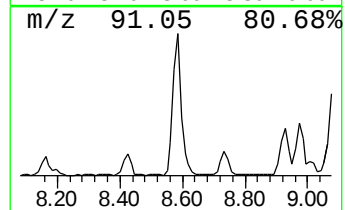
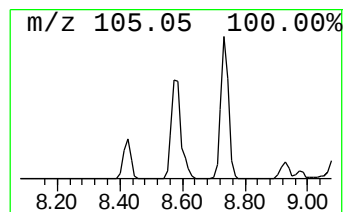
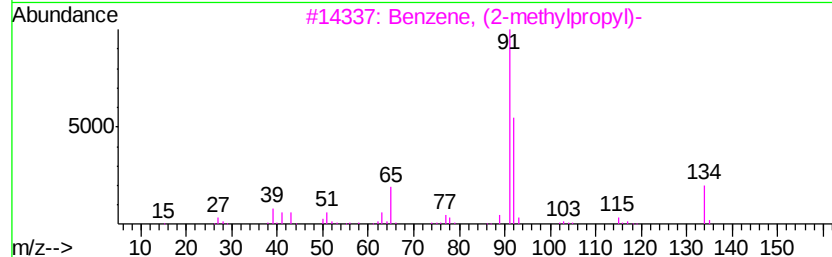
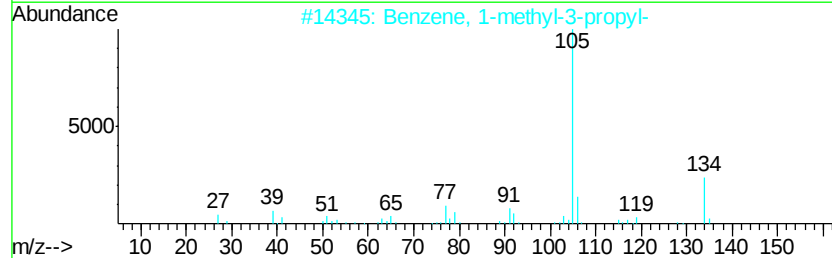
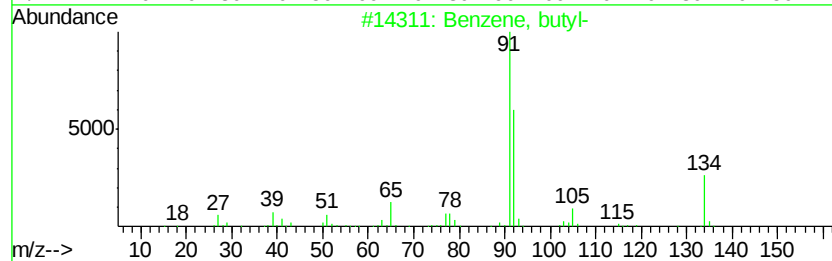
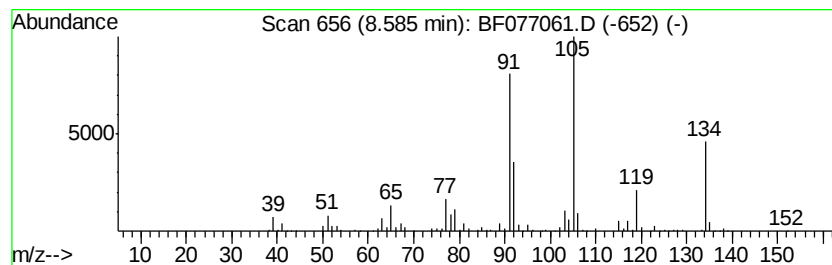
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown8.58 Concentration Rank 18

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.58 | 32.69 ng | 1617710 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, butyl-             | 134 | C10H14  | 000104-51-8 | 49   |
| 2    |    | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 46   |
| 3    |    | Benzene, (2-methylpropyl)-  | 134 | C10H14  | 000538-93-2 | 46   |
| 4    |    | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 43   |
| 5    |    | Benzene, 1-methyl-2-propyl- | 134 | C10H14  | 001074-17-5 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleID :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

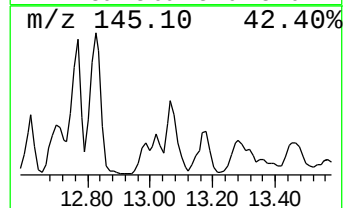
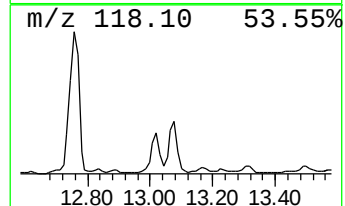
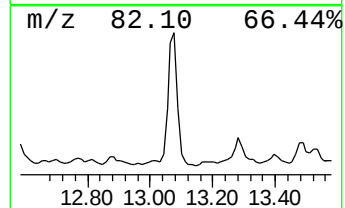
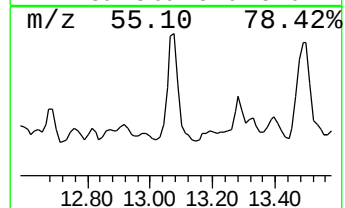
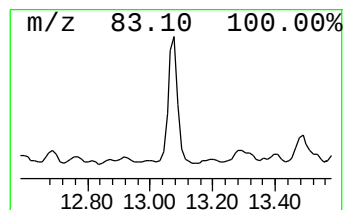
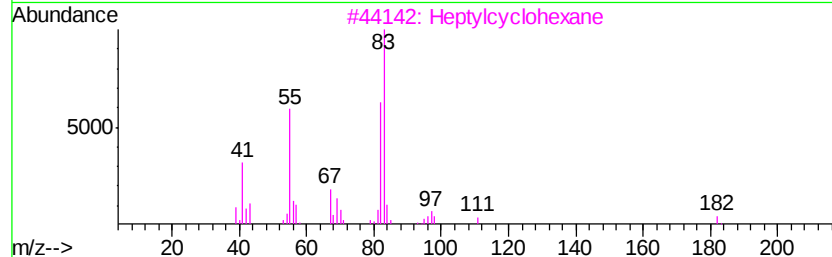
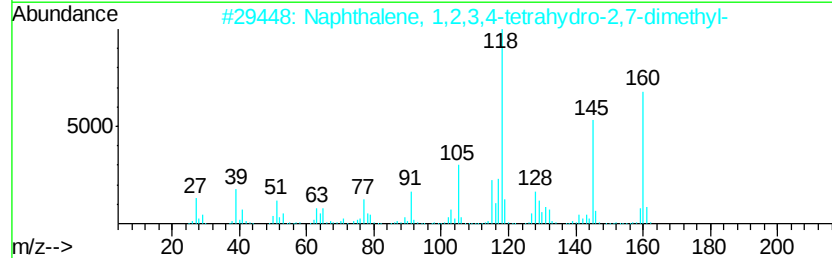
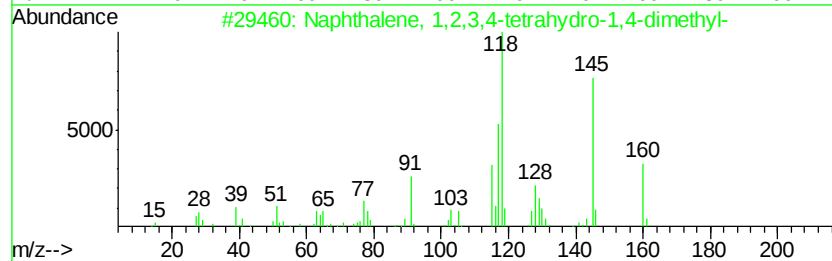
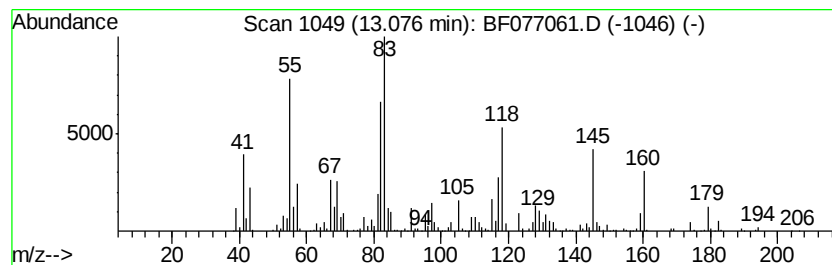
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 17

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.08 | 32.77 ng | 3623950 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 89   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 46   |
| 3    |    | Heptylcyclohexane                   | 182 | C13H26  | 005617-41-4 | 42   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 38   |
| 5    |    | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

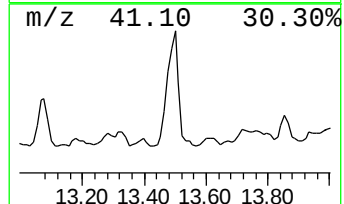
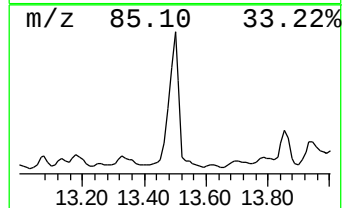
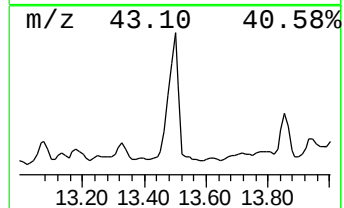
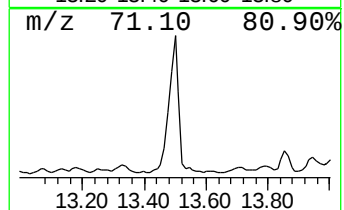
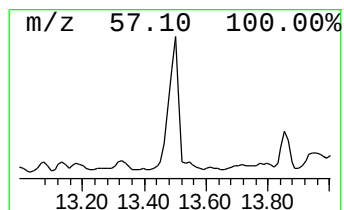
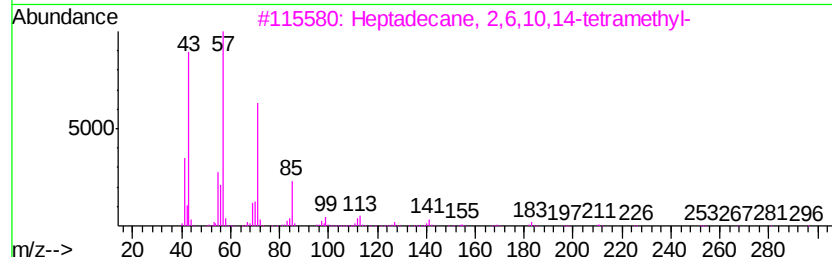
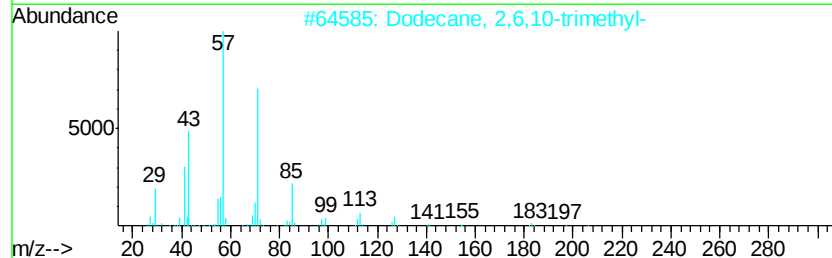
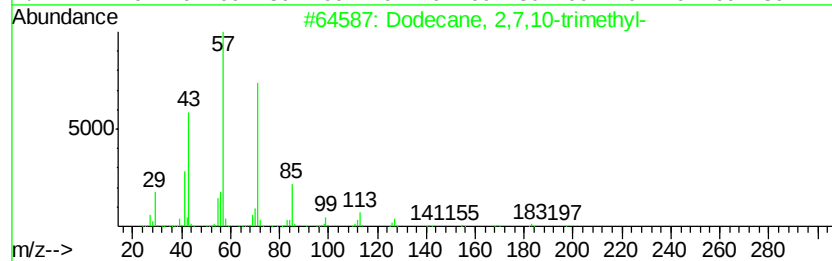
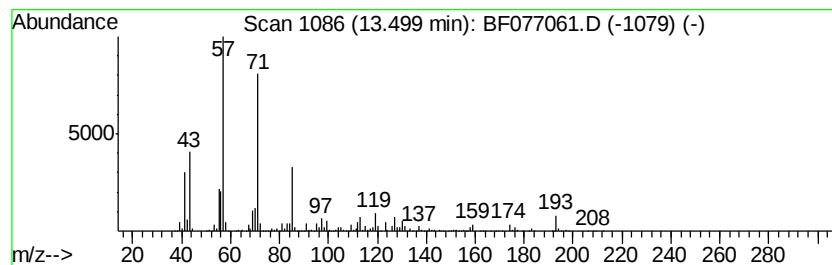
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.50 | 71.41 ng | 7898110 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 83   |
| 2    |    | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32  | 003891-98-3 | 80   |
| 3    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 72   |
| 4    |    | Octane, 3,5-dimethyl-               | 142 | C10H22  | 015869-93-9 | 59   |
| 5    |    | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32  | 031295-56-4 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

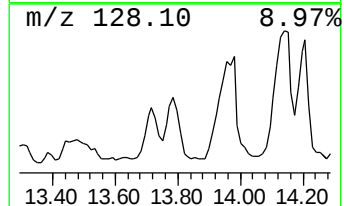
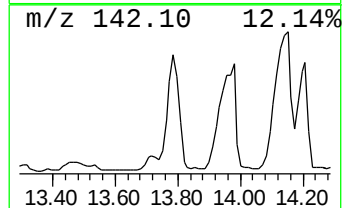
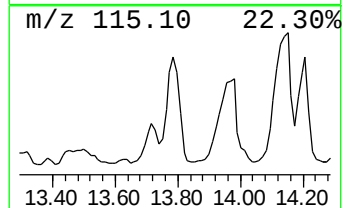
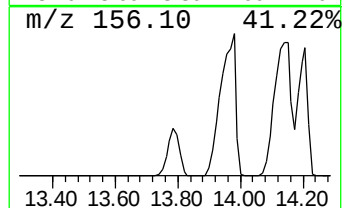
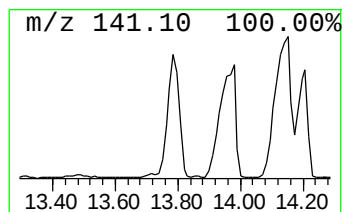
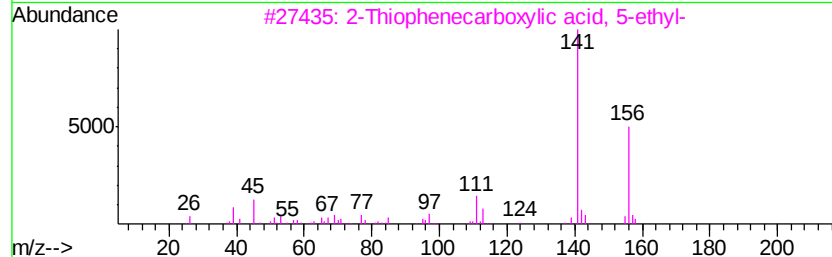
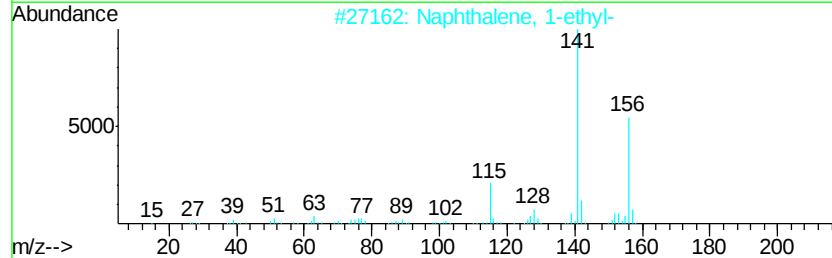
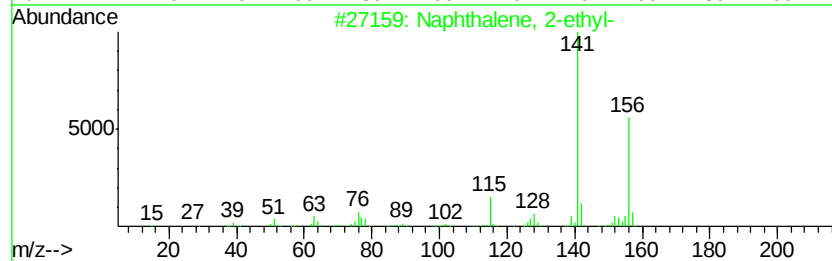
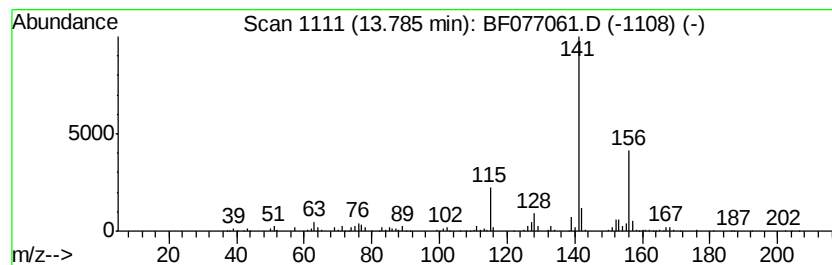
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 15

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.79 | 41.13 ng | 4548790 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-ethyl-               | 156 | C12H12  | 000939-27-5 | 96   |
| 2    |    | Naphthalene, 1-ethyl-               | 156 | C12H12  | 001127-76-0 | 96   |
| 3    |    | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 64   |
| 4    |    | Ethanone, 1-(2,6-difluorophenyl)-   | 156 | C8H6F2O | 013670-99-0 | 59   |
| 5    |    | Naphthalene, 1-propyl-              | 170 | C13H14  | 002765-18-6 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

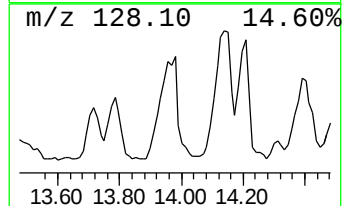
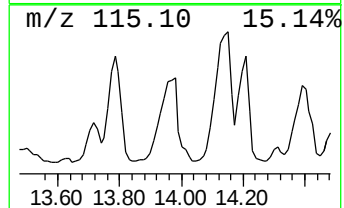
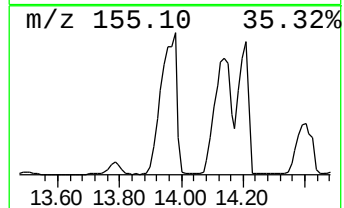
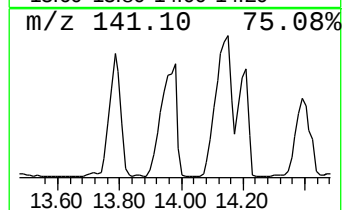
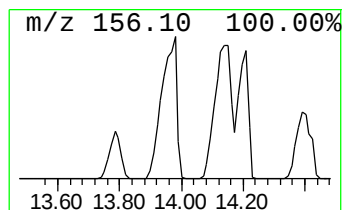
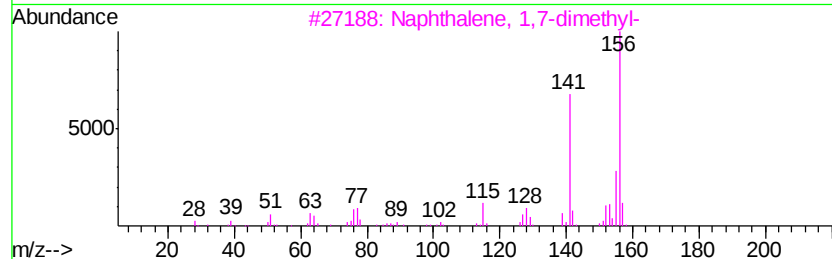
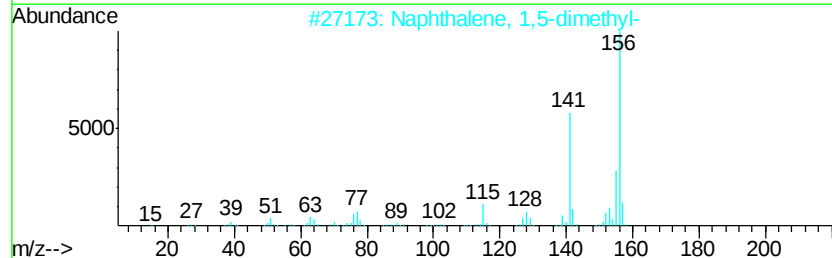
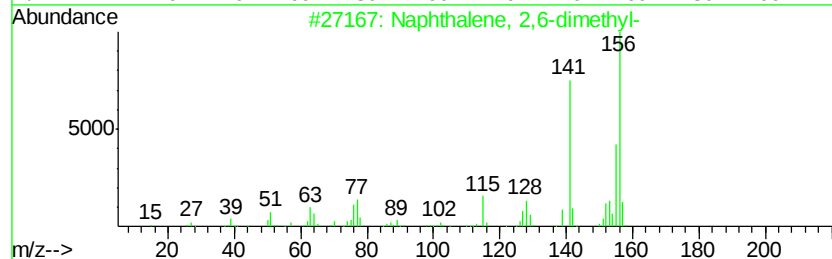
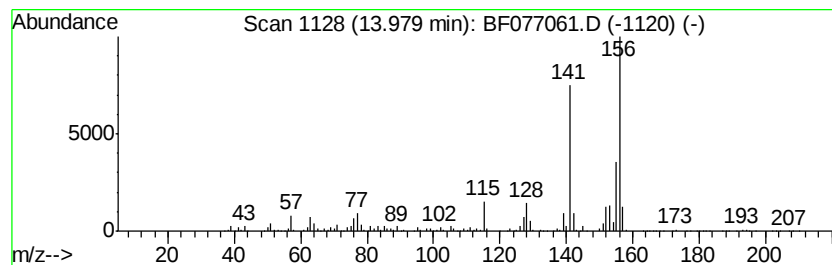
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 3

| R.T.  | EstConc  | Area     | Relative to ISTD | R.T.  |
|-------|----------|----------|------------------|-------|
| 13.98 | 97.29 ng | 10760600 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

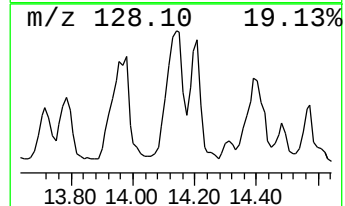
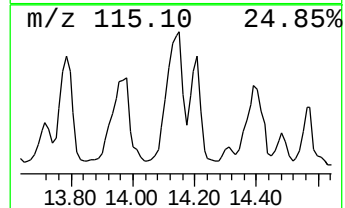
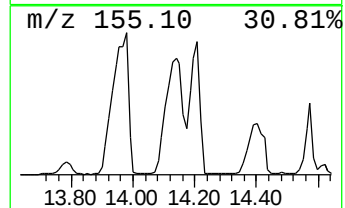
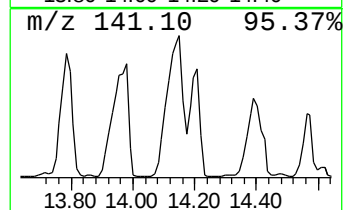
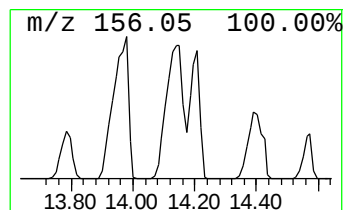
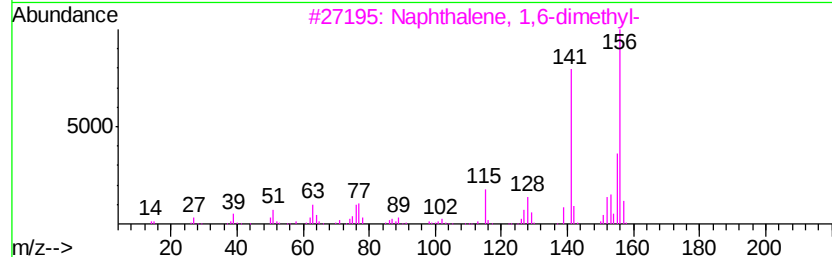
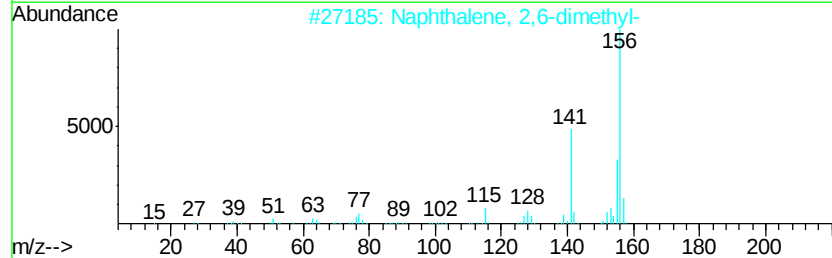
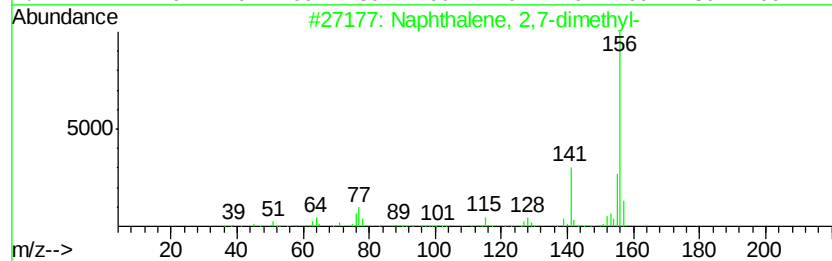
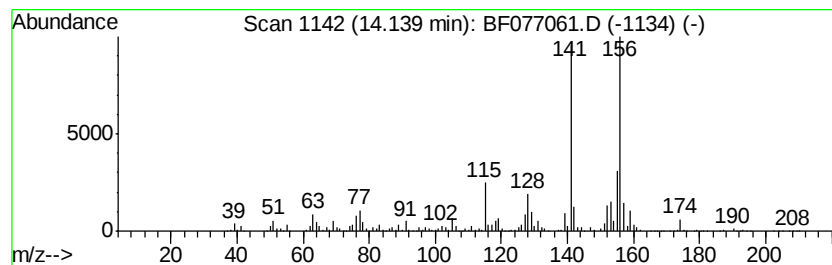
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 2

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 14.14 | 108.92 ng | 12046200 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 95   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

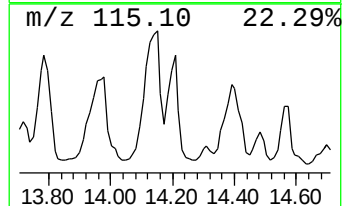
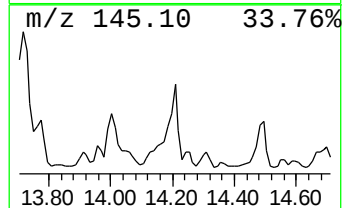
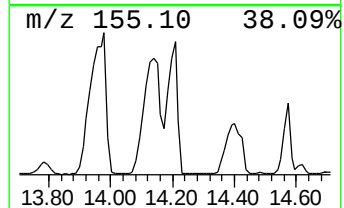
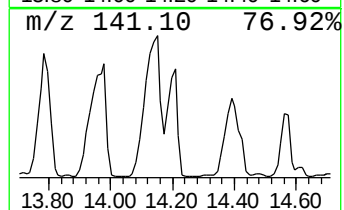
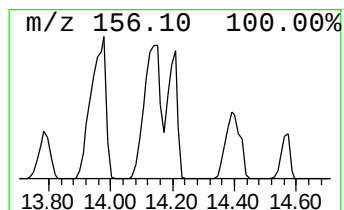
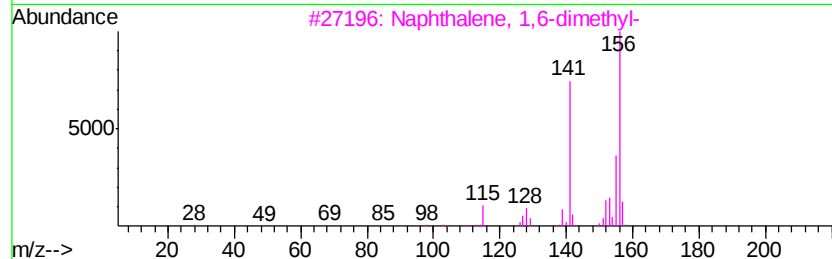
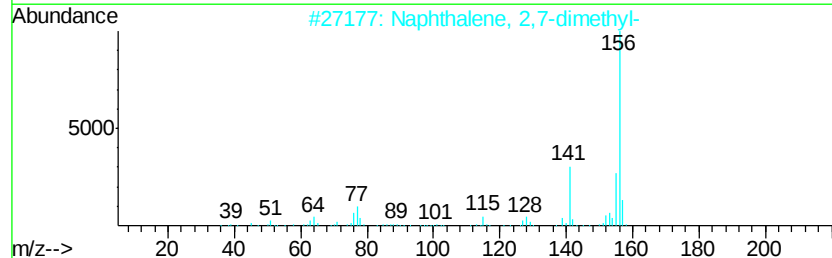
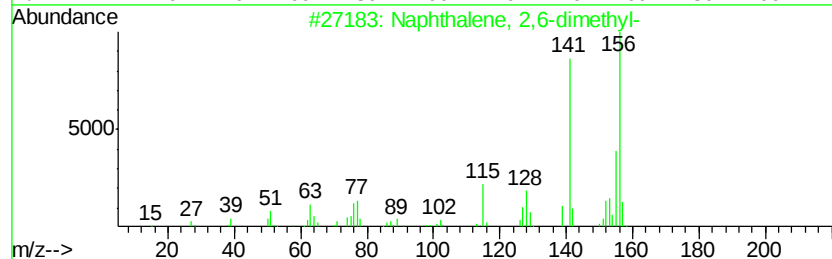
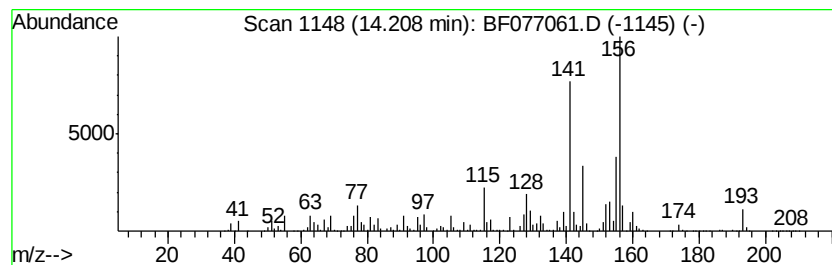
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.21 | 62.93 ng | 6960130 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 2    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 5    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

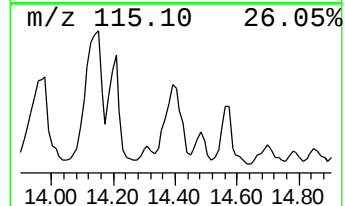
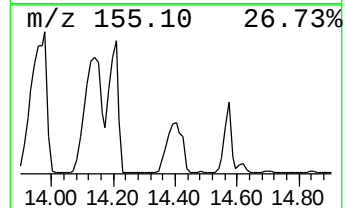
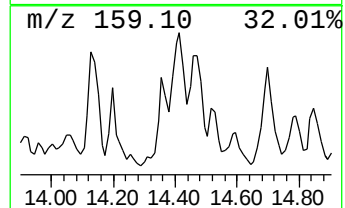
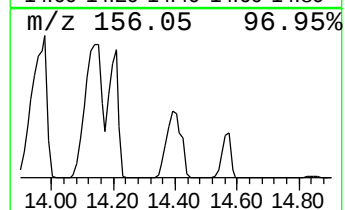
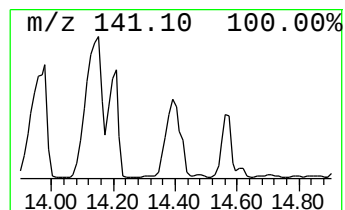
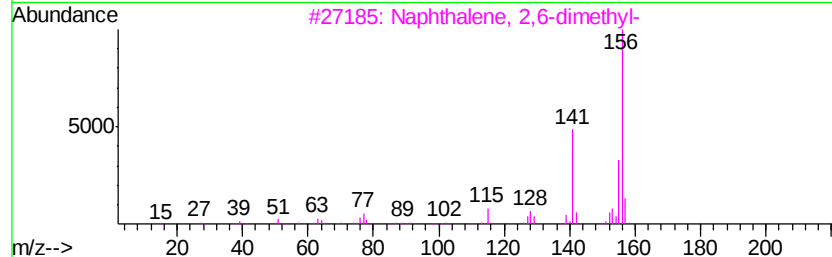
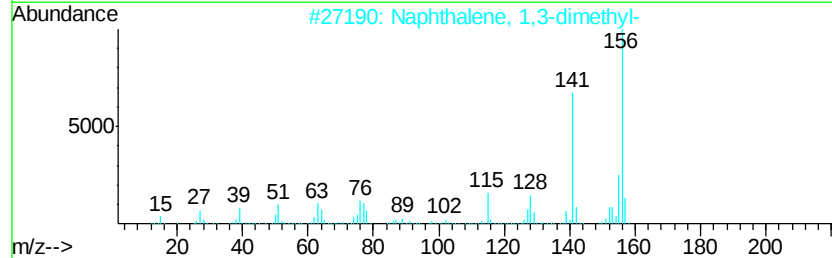
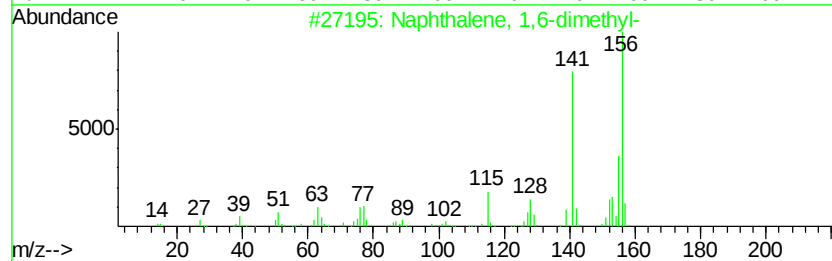
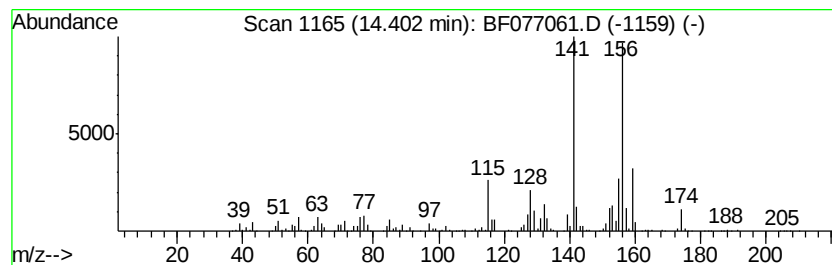
Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.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 11 Naphthalene, 1,3-dimethyl- Concentration Rank 12

| R.T.    | EstConc  | Area                       | Relative to ISTD | R.T.           |
|---------|----------|----------------------------|------------------|----------------|
| 14.40   | 46.08 ng | 5095860                    | Acenaphthene-d10 | 14.86          |
| Hit# of | 5        | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |          | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |
| 2       |          | Naphthalene, 1,3-dimethyl- | 156 C12H12       | 000575-41-7 96 |
| 3       |          | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 95 |
| 4       |          | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 95 |
| 5       |          | Naphthalene, 2,3-dimethyl- | 156 C12H12       | 000581-40-8 95 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

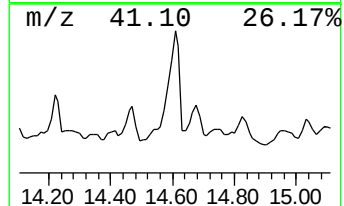
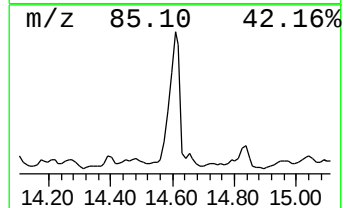
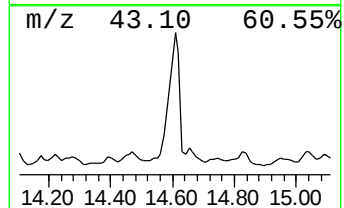
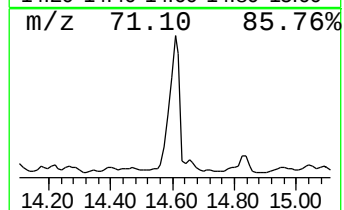
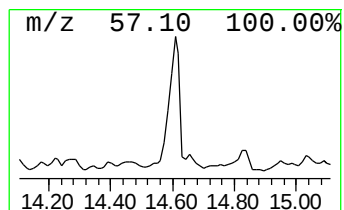
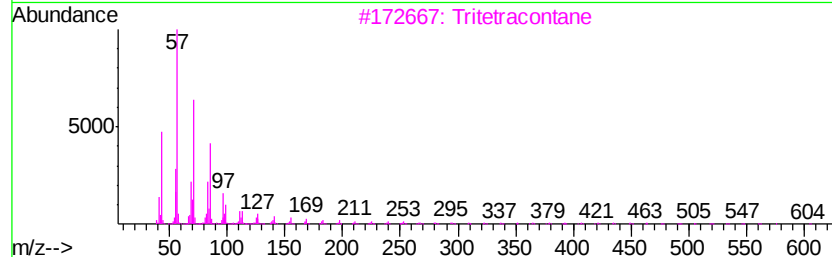
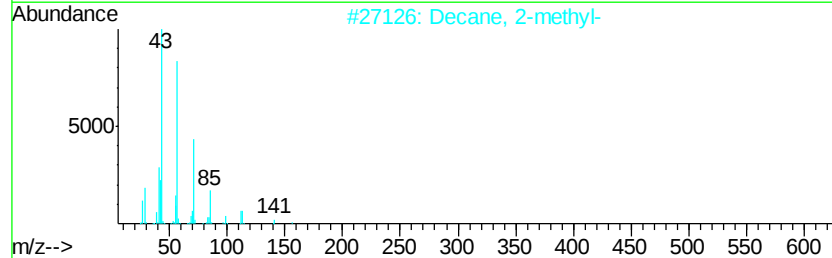
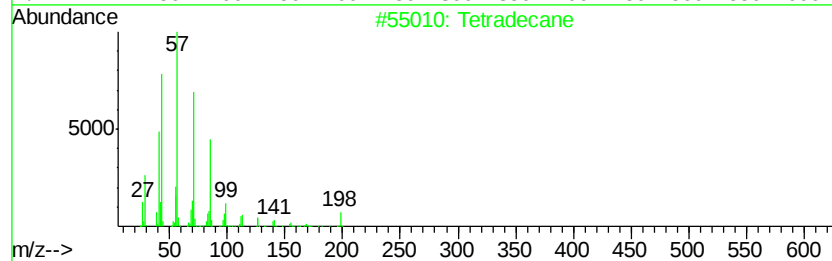
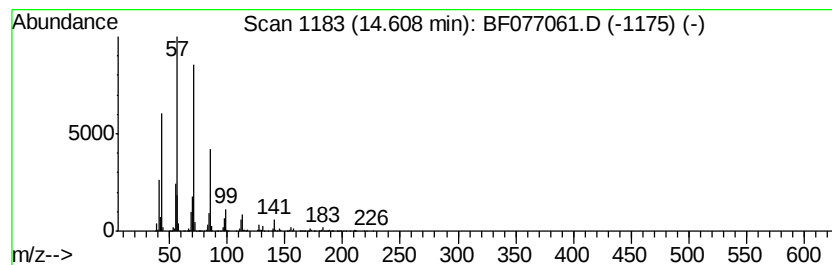
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Tetradecane Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.61 | 78.40 ng | 8671210 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane          | 198 | C14H30  | 000629-59-4 | 83   |
| 2    |    | Decane, 2-methyl-    | 156 | C11H24  | 006975-98-0 | 80   |
| 3    |    | Tritetracontane      | 605 | C43H88  | 007098-21-7 | 78   |
| 4    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 78   |
| 5    |    | Tridecane, 5-propyl- | 226 | C16H34  | 055045-11-9 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

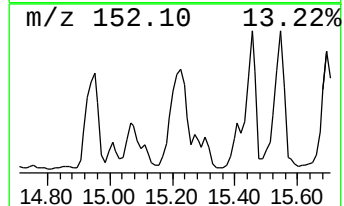
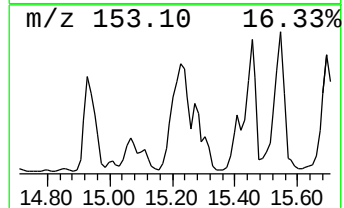
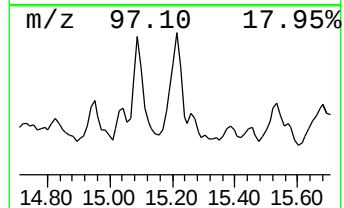
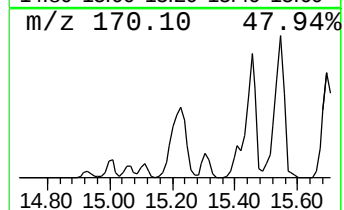
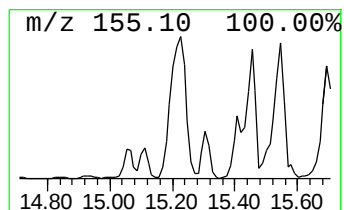
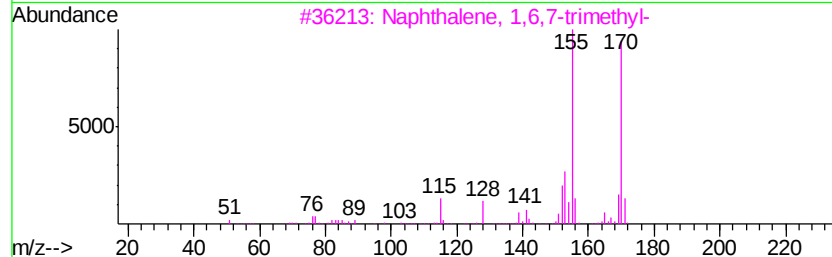
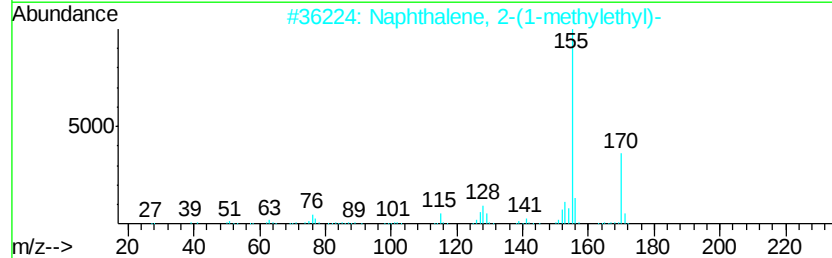
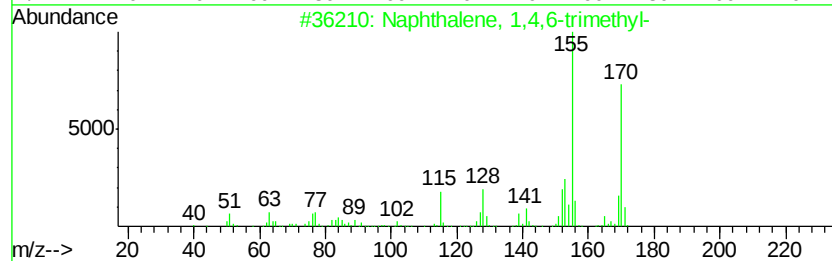
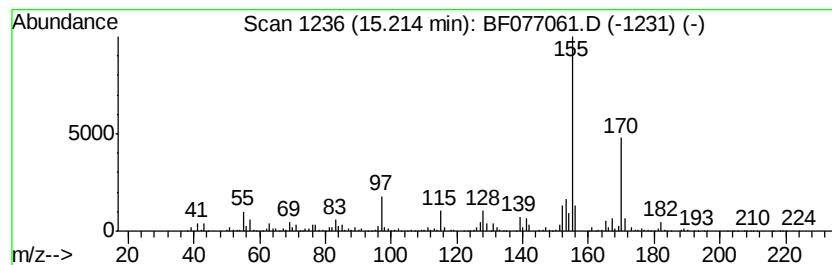
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.21 | 58.46 ng | 6466100 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2 | 92   |
| 2    |    | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14  | 002027-17-0 | 90   |
| 3    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7 | 70   |
| 4    |    | Naphthalene, 1-(1-methylethyl)- | 170 | C13H14  | 006158-45-8 | 70   |
| 5    |    | 2-Naphthyl methyl ketone        | 170 | C12H10O | 000093-08-3 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

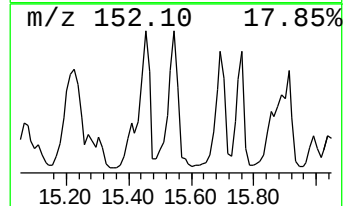
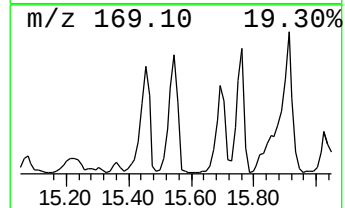
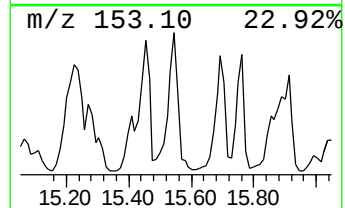
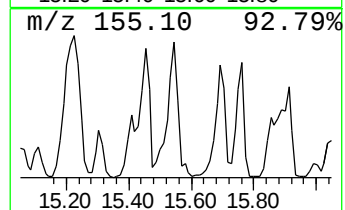
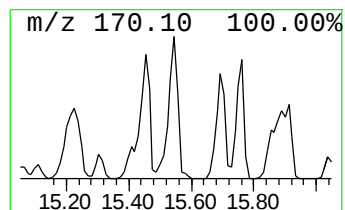
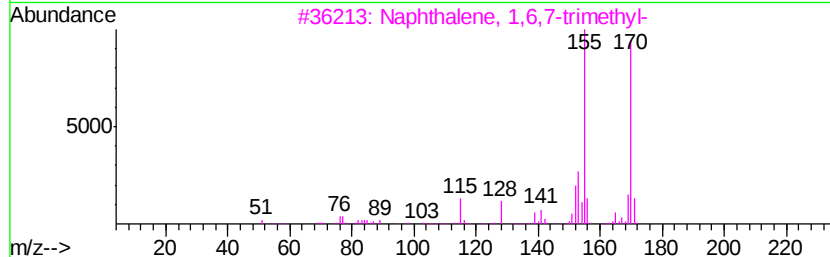
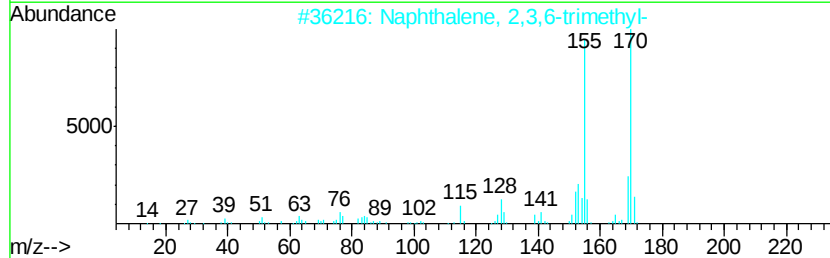
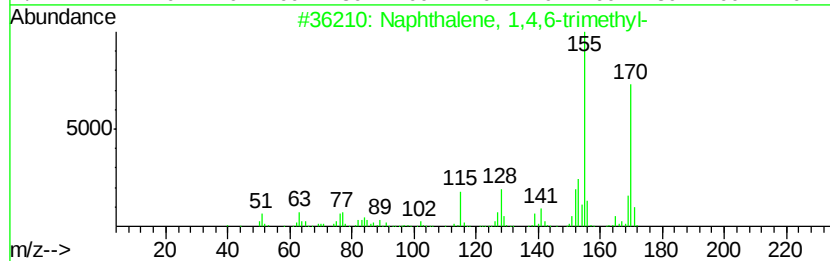
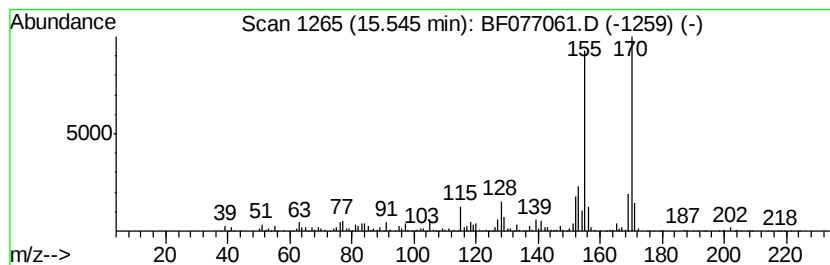
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.55 | 48.79 ng | 5396120 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 2    |    | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 3    |    | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 95   |
| 4    |    | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 93   |
| 5    |    | Azulene, 4,6,8-trimethyl-     | 170 | C13H14  | 000941-81-1 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

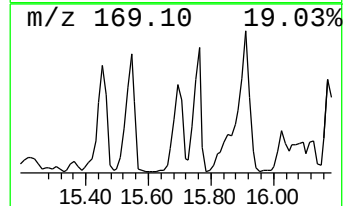
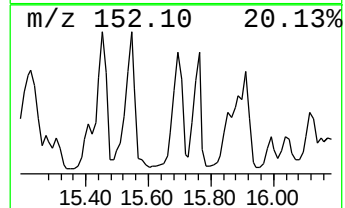
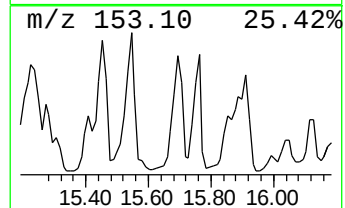
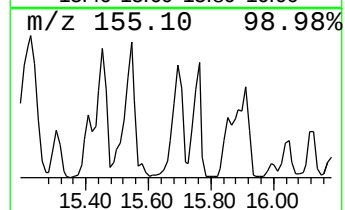
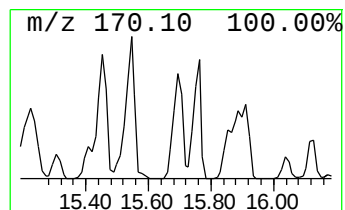
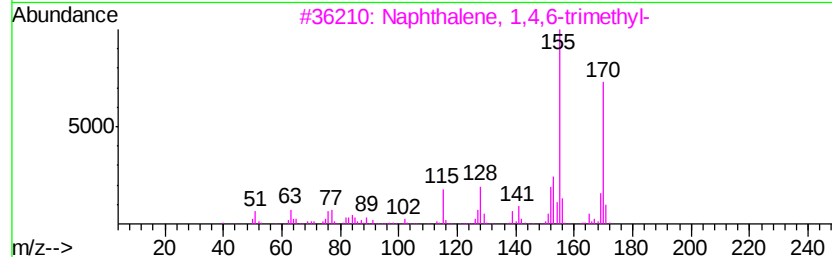
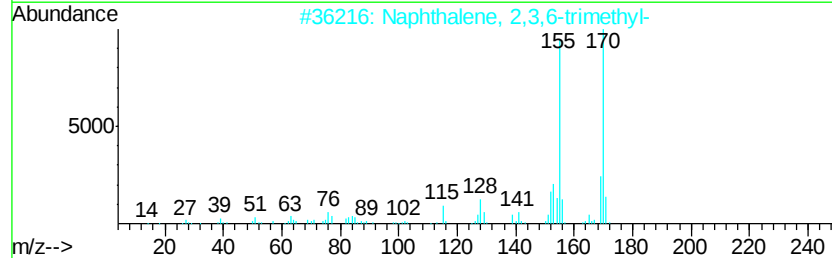
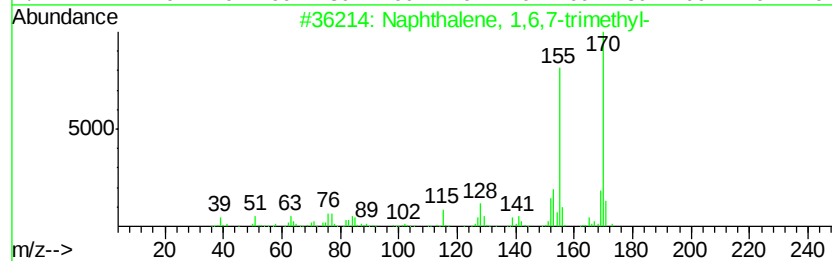
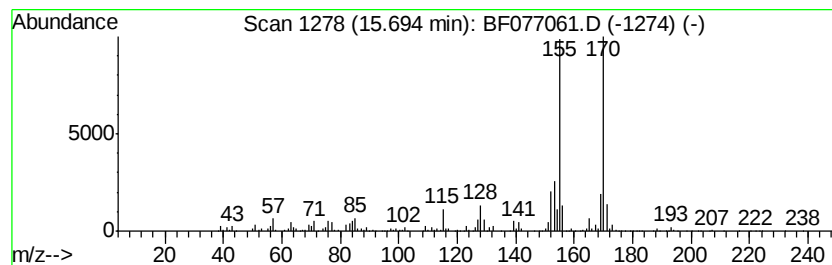
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.69 | 41.40 ng | 4579210 | Acenaphthene-d10 | 14.86 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 98   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 96   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 94   |
| 4    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 93   |
| 5    |    |   | Azulene, 4,6,8-trimethyl-     | 170 | C13H14  | 000941-81-1 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

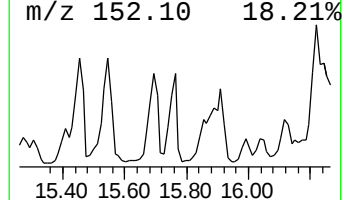
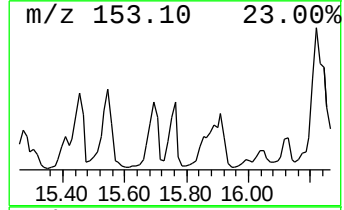
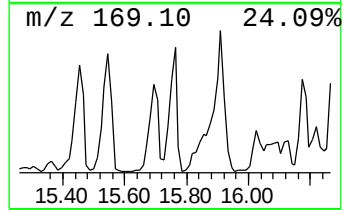
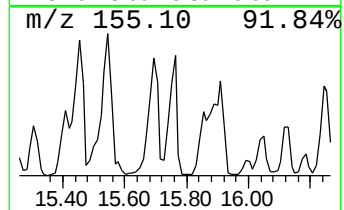
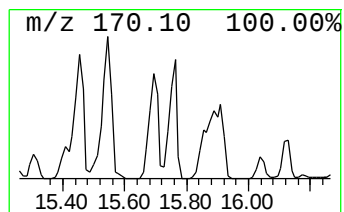
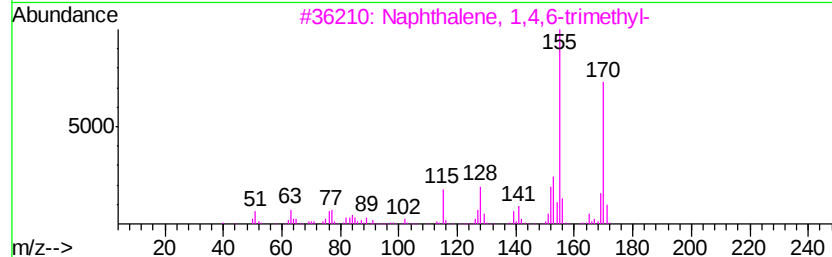
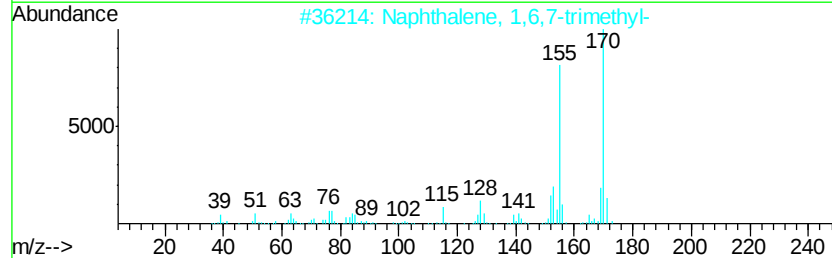
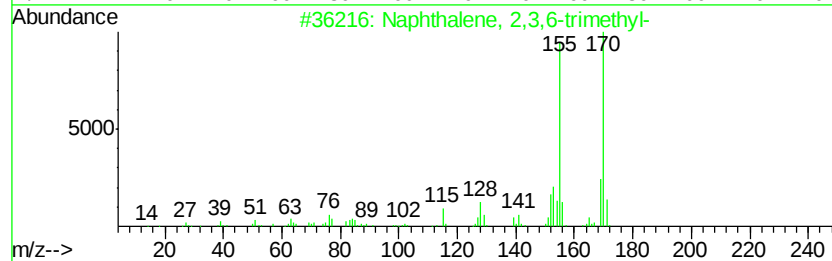
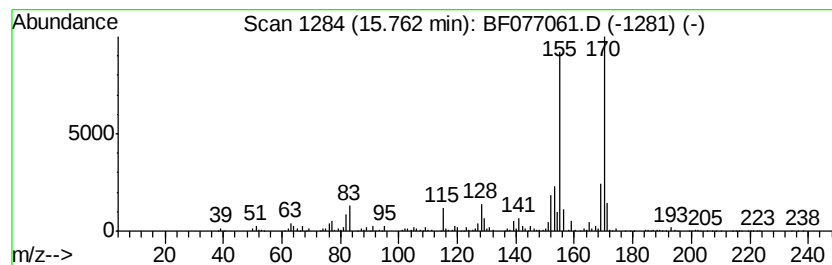
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.76 | 32.31 ng | 3573090 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 2    |    | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 96   |
| 3    |    | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |    | Azulene, 4,6,8-trimethyl-     | 170 | C13H14  | 000941-81-1 | 94   |
| 5    |    | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

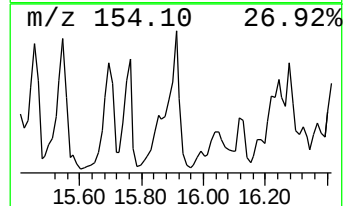
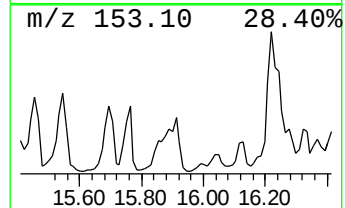
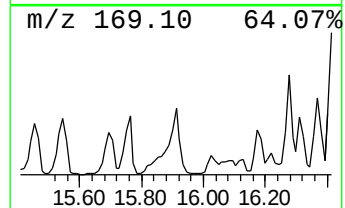
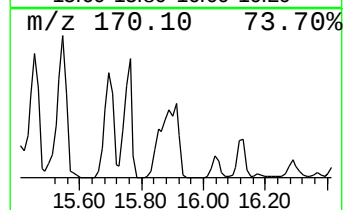
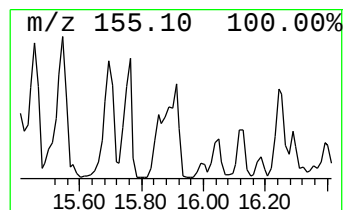
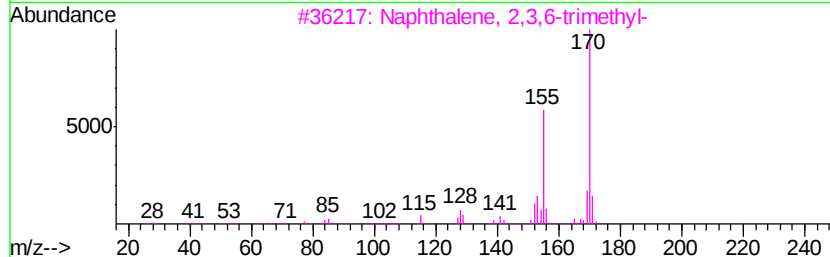
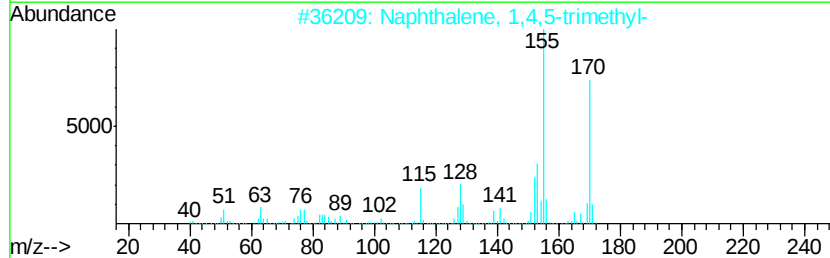
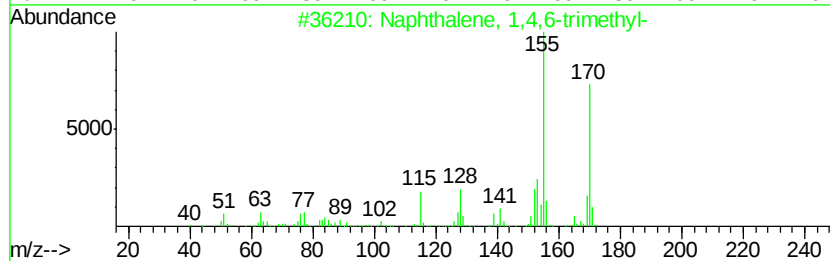
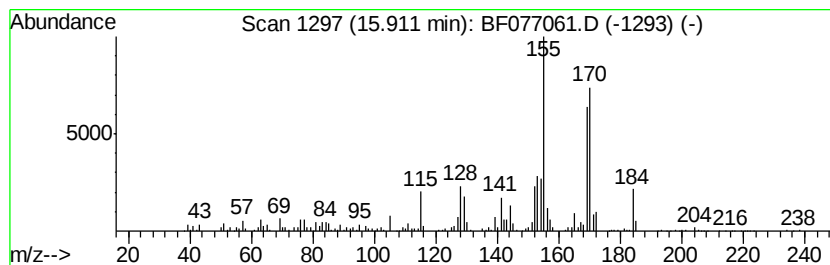
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 1-(2,2-Dimethylcyclopropyl)... Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.91 | 33.25 ng | 3677070 | Acenaphthene-d10 | 14.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 94   |
| 2    |    | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14  | 002131-41-1  | 93   |
| 3    |    | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 76   |
| 4    |    | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 76   |
| 5    |    | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 76   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

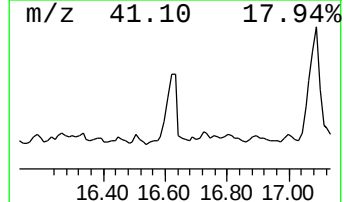
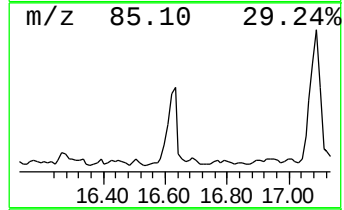
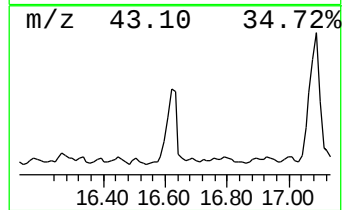
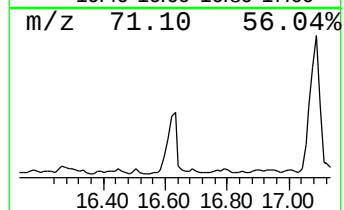
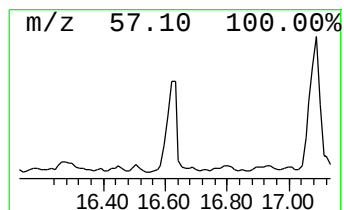
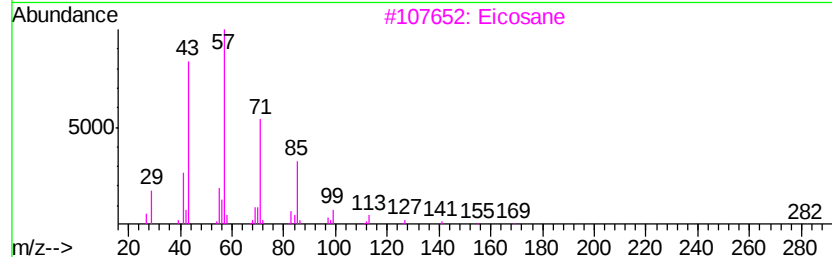
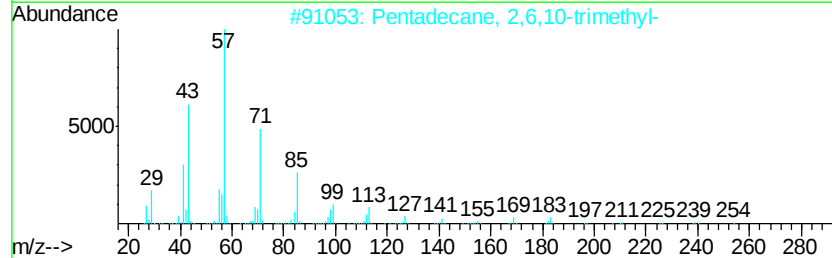
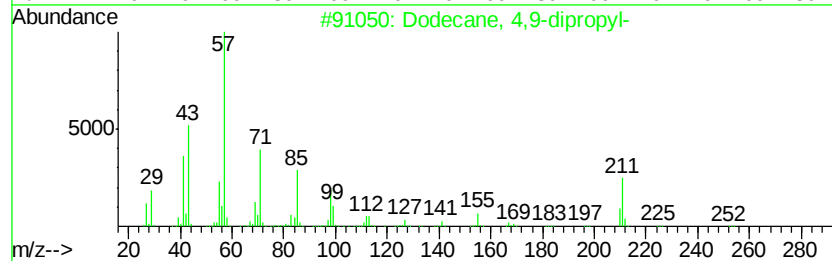
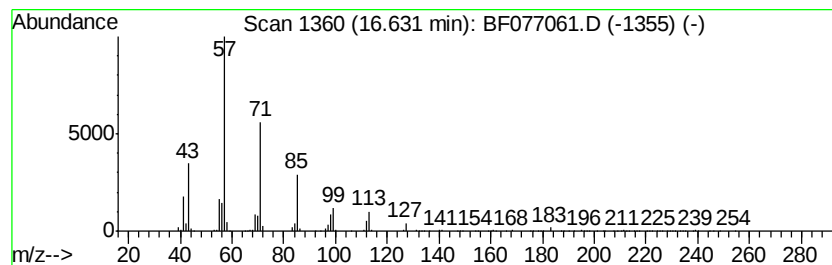
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Dodecane, 4,9-dipropyl- Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 16.63 | 53.93 ng | 6071690 | Phenanthrene-d10 | 17.67 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 4,9-dipropyl-        | 254 | C18H38  | 003054-63-5 | 87   |
| 2    |    | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 83   |
| 3    |    | Eicosane                       | 282 | C20H42  | 000112-95-8 | 78   |
| 4    |    | Hexadecane                     | 226 | C16H34  | 000544-76-3 | 78   |
| 5    |    | Dodecane, 2,7,10-trimethyl-    | 212 | C15H32  | 074645-98-0 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

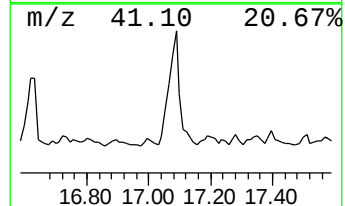
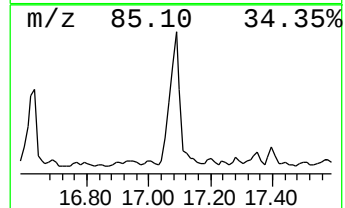
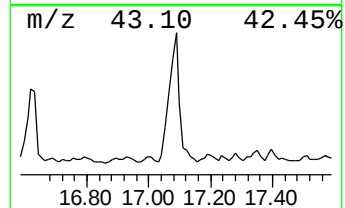
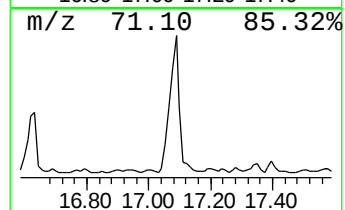
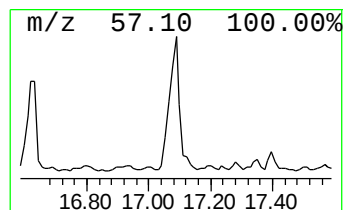
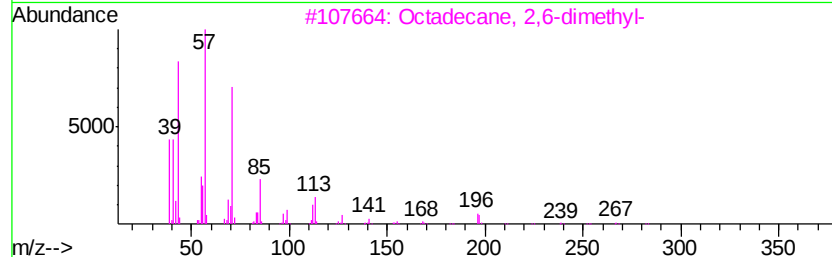
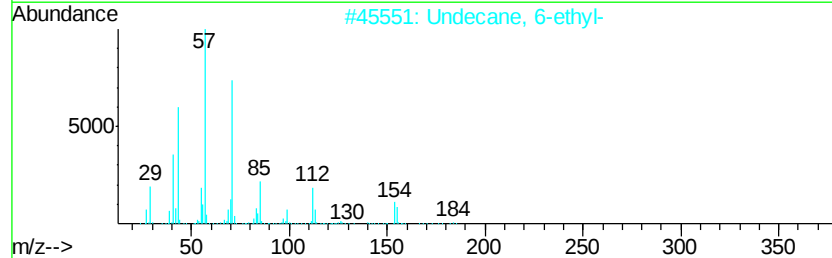
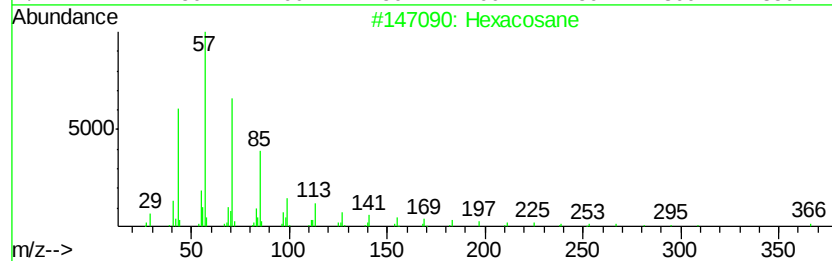
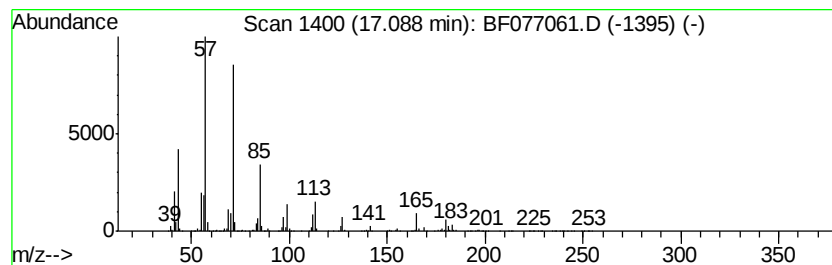
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Undecane, 6-ethyl- Concentration Rank 1

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 17.09 | 109.67 ng | 12346700 | Phenanthrene-d10 | 17.67 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane                  | 366 | C26H54  | 000630-01-3 | 78   |
| 2    |    | Undecane, 6-ethyl-          | 184 | C13H28  | 017312-60-6 | 74   |
| 3    |    | Octadecane, 2,6-dimethyl-   | 282 | C20H42  | 075163-97-2 | 72   |
| 4    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 72   |
| 5    |    | Heptacosane                 | 380 | C27H56  | 000593-49-7 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
Data File : BF077061.D  
Acq On : 26 Jan 2015 19:48  
Operator : TP/IZ  
Sample : G1138-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

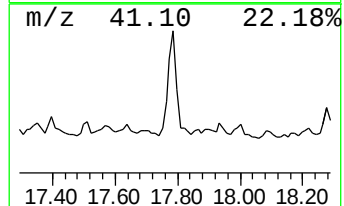
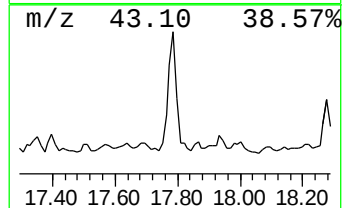
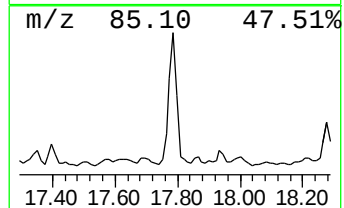
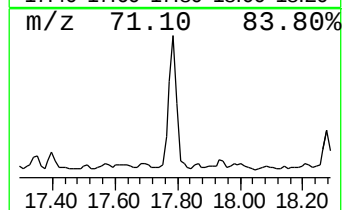
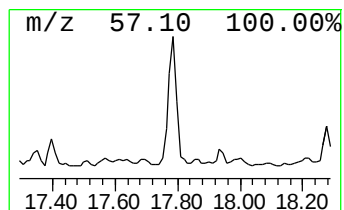
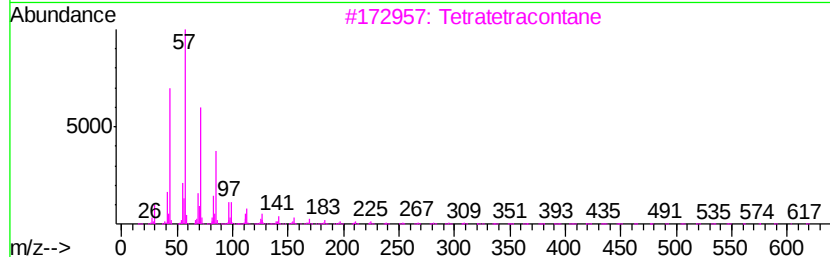
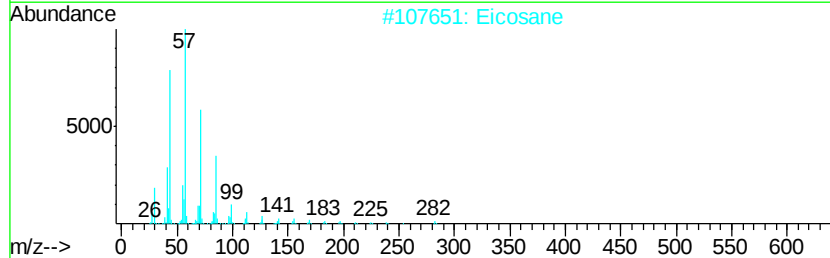
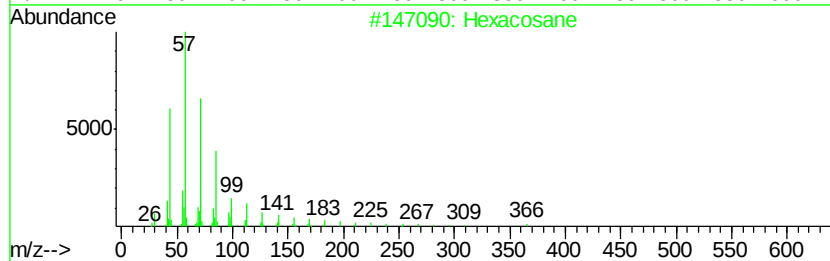
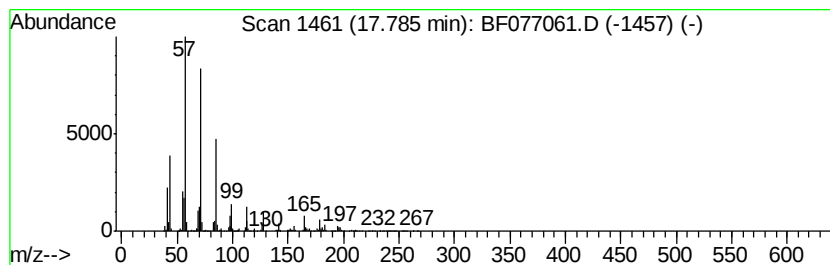
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 Hexacosane Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 17.79 | 61.73 ng | 6949520 | Phenanthrene-d10 | 17.67 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane             | 366 | C26H54  | 000630-01-3 | 86   |
| 2    |    | Eicosane               | 282 | C20H42  | 000112-95-8 | 86   |
| 3    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 86   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 86   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
 Data File : BF077061.D  
 Acq On : 26 Jan 2015 19:48  
 Operator : TP/IZ  
 Sample : G1138-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 275B1B

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.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 |
| Benzene, 1,2,3-tr... | 7.42  | 68.0    | ng    | 3362610  | 1                     | 7.77  | 989803  | 20.0 |
| Benzene, 1,2,4-tr... | 7.92  | 32.6    | ng    | 1611340  | 1                     | 7.77  | 989803  | 20.0 |
| Nonane, 2,6-dimet... | 7.99  | 44.6    | ng    | 2209330  | 1                     | 7.77  | 989803  | 20.0 |
| unknown8.58          | 8.58  | 32.7    | ng    | 1617710  | 1                     | 7.77  | 989803  | 20.0 |
| Naphthalene, 1,2,... | 13.08 | 32.8    | ng    | 3623950  | 3                     | 14.86 | 2211970 | 20.0 |
| Dodecane, 2,7,10-... | 13.50 | 71.4    | ng    | 7898110  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 2-et... | 13.79 | 41.1    | ng    | 4548790  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,5-... | 13.98 | 97.3    | ng    | 10760600 | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 2,7-... | 14.14 | 108.9   | ng    | 12046200 | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,6-... | 14.21 | 62.9    | ng    | 6960130  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,3-... | 14.40 | 46.1    | ng    | 5095860  | 3                     | 14.86 | 2211970 | 20.0 |
| Tetradecane          | 14.61 | 78.4    | ng    | 8671210  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,4,... | 15.21 | 58.5    | ng    | 6466100  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,4,... | 15.55 | 48.8    | ng    | 5396120  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 1,6,... | 15.69 | 41.4    | ng    | 4579210  | 3                     | 14.86 | 2211970 | 20.0 |
| Naphthalene, 2,3,... | 15.76 | 32.3    | ng    | 3573090  | 3                     | 14.86 | 2211970 | 20.0 |
| 1-(2,2-Dimethylcy... | 15.91 | 33.3    | ng    | 3677070  | 3                     | 14.86 | 2211970 | 20.0 |
| Dodecane, 4,9-dip... | 16.63 | 53.9    | ng    | 6071690  | 4                     | 17.67 | 2251590 | 20.0 |
| Undecane, 6-ethyl-   | 17.09 | 109.7   | ng    | 12346700 | 4                     | 17.67 | 2251590 | 20.0 |
| Hexacosane           | 17.79 | 61.7    | ng    | 6949520  | 4                     | 17.67 | 2251590 | 20.0 |