

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
 Data File : BF079398.D  
 Acq On : 21 May 2015 00:45  
 Operator : TP/IZ  
 Sample : G2303-05 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 10DEPTH

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-BF043015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.736       | 46            | 48          | 85           | rVB      | 3631002        | 7175193       | 79.15%          | 3.523%        |
| 2         | 7.245       | 527           | 530         | 532          | rBV2     | 1519635        | 1997733       | 22.04%          | 0.981%        |
| 3         | 7.439       | 546           | 547         | 550          | rVB2     | 507311         | 781135        | 8.62%           | 0.384%        |
| 4         | 7.496       | 550           | 552         | 554          | rBV      | 1151355        | 1146317       | 12.64%          | 0.563%        |
| 5         | 7.588       | 557           | 560         | 564          | rVB3     | 493589         | 1020024       | 11.25%          | 0.501%        |
| 6         | 7.759       | 572           | 575         | 576          | rBV2     | 774465         | 891638        | 9.84%           | 0.438%        |
| 7         | 7.862       | 582           | 584         | 586          | rBV      | 1878780        | 1853314       | 20.44%          | 0.910%        |
| 8         | 8.079       | 602           | 603         | 607          | rVB      | 1212335        | 1457095       | 16.07%          | 0.715%        |
| 9         | 8.216       | 611           | 615         | 618          | rBV3     | 720922         | 1606764       | 17.72%          | 0.789%        |
| 10        | 8.273       | 618           | 620         | 622          | rVB2     | 853655         | 851846        | 9.40%           | 0.418%        |
| 11        | 8.353       | 625           | 627         | 629          | rVB2     | 1597775        | 1866736       | 20.59%          | 0.917%        |
| 12        | 8.399       | 629           | 631         | 634          | rVB3     | 1114801        | 1553446       | 17.14%          | 0.763%        |
| 13        | 8.468       | 634           | 637         | 639          | rBV2     | 877880         | 1970454       | 21.74%          | 0.968%        |
| 14        | 8.525       | 639           | 642         | 648          | rVB3     | 270562         | 862155        | 9.51%           | 0.423%        |
| 15        | 8.696       | 648           | 657         | 659          | rBV3     | 2617159        | 6922260       | 76.36%          | 3.399%        |
| 16        | 8.788       | 663           | 665         | 669          | rVB2     | 1017518        | 1277957       | 14.10%          | 0.628%        |
| 17        | 8.913       | 672           | 676         | 680          | rBV4     | 778727         | 1427250       | 15.74%          | 0.701%        |
| 18        | 9.028       | 683           | 686         | 687          | rBV2     | 594506         | 715286        | 7.89%           | 0.351%        |
| 19        | 9.096       | 690           | 692         | 694          | rVB      | 606909         | 926506        | 10.22%          | 0.455%        |
| 20        | 9.142       | 694           | 696         | 697          | rBV      | 711330         | 1230265       | 13.57%          | 0.604%        |
| 21        | 9.233       | 702           | 704         | 708          | rBV3     | 1619455        | 2335955       | 25.77%          | 1.147%        |
| 22        | 9.302       | 708           | 710         | 712          | rBV      | 1678038        | 1712593       | 18.89%          | 0.841%        |
| 23        | 9.359       | 712           | 715         | 718          | rVB4     | 288687         | 749679        | 8.27%           | 0.368%        |
| 24        | 9.451       | 720           | 723         | 725          | rBV      | 3851877        | 4264984       | 47.05%          | 2.094%        |
| 25        | 9.496       | 725           | 727         | 729          | rVB      | 925379         | 893612        | 9.86%           | 0.439%        |
| 26        | 9.553       | 730           | 732         | 734          | rVB3     | 1497780        | 2117416       | 23.36%          | 1.040%        |
| 27        | 9.679       | 739           | 743         | 744          | rBV2     | 1111631        | 1909448       | 21.06%          | 0.938%        |
| 28        | 9.702       | 744           | 745         | 747          | rVB2     | 1516384        | 1223719       | 13.50%          | 0.601%        |
| 29        | 9.816       | 750           | 755         | 757          | rBV5     | 915503         | 2716656       | 29.97%          | 1.334%        |
| 30        | 9.862       | 757           | 759         | 761          | rVB3     | 654759         | 1000514       | 11.04%          | 0.491%        |
| 31        | 9.896       | 761           | 762         | 764          | rVB      | 1113354        | 1252596       | 13.82%          | 0.615%        |
| 32        | 9.954       | 764           | 767         | 768          | rBV3     | 938350         | 1329380       | 14.66%          | 0.653%        |
| 33        | 9.976       | 768           | 769         | 772          | rVB      | 1259036        | 1647402       | 18.17%          | 0.809%        |
| 34        | 10.159      | 782           | 785         | 787          | rBV      | 3756049        | 4041029       | 44.57%          | 1.984%        |

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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 10DEPTH

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-BF043015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.205 | 787  | 789  | 790  | rVB  | 1167897 | 1137244 | 12.54% | 0.558% |
| 36 | 10.251 | 790  | 793  | 796  | rVB3 | 653315  | 1193405 | 13.16% | 0.586% |
| 37 | 10.331 | 798  | 800  | 803  | rBV2 | 1597205 | 2688685 | 29.66% | 1.320% |
| 38 | 10.434 | 806  | 809  | 810  | rBV2 | 1822945 | 2348130 | 25.90% | 1.153% |
| 39 | 10.468 | 810  | 812  | 816  | rVB5 | 1194250 | 2030012 | 22.39% | 0.997% |
| 40 | 10.548 | 816  | 819  | 820  | rBV2 | 1998119 | 2706921 | 29.86% | 1.329% |
| 41 | 10.628 | 824  | 826  | 827  | rBV  | 566446  | 824123  | 9.09%  | 0.405% |
| 42 | 10.674 | 828  | 830  | 832  | rVB3 | 784441  | 709963  | 7.83%  | 0.349% |
| 43 | 10.822 | 840  | 843  | 844  | rBV  | 3996057 | 5823623 | 64.24% | 2.860% |
| 44 | 10.845 | 844  | 845  | 847  | rVB2 | 953826  | 910747  | 10.05% | 0.447% |
| 45 | 10.982 | 855  | 857  | 860  | rVB  | 1184728 | 1995334 | 22.01% | 0.980% |
| 46 | 11.108 | 863  | 868  | 869  | rBV  | 2195293 | 3860348 | 42.58% | 1.896% |
| 47 | 11.154 | 869  | 872  | 875  | rVV3 | 1124988 | 3031093 | 33.43% | 1.488% |
| 48 | 11.211 | 875  | 877  | 879  | rVB2 | 1867743 | 1867256 | 20.60% | 0.917% |
| 49 | 11.257 | 879  | 881  | 882  | rBV2 | 1346950 | 1780919 | 19.64% | 0.875% |
| 50 | 11.359 | 885  | 890  | 895  | rBV7 | 1140611 | 3759076 | 41.46% | 1.846% |
| 51 | 11.439 | 895  | 897  | 899  | rBV  | 4762164 | 5092962 | 56.18% | 2.501% |
| 52 | 11.519 | 903  | 904  | 906  | rVB2 | 989267  | 928382  | 10.24% | 0.456% |
| 53 | 11.565 | 906  | 908  | 910  | rBV2 | 987936  | 1738955 | 19.18% | 0.854% |
| 54 | 11.714 | 917  | 921  | 923  | rBV2 | 2595924 | 4329634 | 47.76% | 2.126% |
| 55 | 11.817 | 928  | 930  | 931  | rBV  | 1015707 | 1468237 | 16.20% | 0.721% |
| 56 | 12.034 | 947  | 949  | 952  | rVV  | 4572093 | 8311330 | 91.68% | 4.081% |
| 57 | 12.262 | 966  | 969  | 971  | rBV3 | 983319  | 2593656 | 28.61% | 1.274% |
| 58 | 12.308 | 971  | 973  | 975  | rVB2 | 1028704 | 1315996 | 14.52% | 0.646% |
| 59 | 12.342 | 975  | 976  | 978  | rBV2 | 654212  | 971422  | 10.72% | 0.477% |
| 60 | 12.377 | 978  | 979  | 982  | rVB2 | 738876  | 1352038 | 14.91% | 0.664% |
| 61 | 12.434 | 982  | 984  | 985  | rBV  | 715152  | 875980  | 9.66%  | 0.430% |
| 62 | 12.594 | 995  | 998  | 999  | rBV  | 3534153 | 4987951 | 55.02% | 2.449% |
| 63 | 12.628 | 999  | 1001 | 1003 | rVB  | 2274184 | 3174605 | 35.02% | 1.559% |
| 64 | 12.685 | 1003 | 1006 | 1007 | rBV2 | 692490  | 926241  | 10.22% | 0.455% |
| 65 | 12.708 | 1007 | 1008 | 1010 | rVB  | 604599  | 737848  | 8.14%  | 0.362% |
| 66 | 12.754 | 1010 | 1012 | 1014 | rBV3 | 452016  | 707385  | 7.80%  | 0.347% |
| 67 | 12.811 | 1014 | 1017 | 1018 | rBV3 | 438519  | 801961  | 8.85%  | 0.394% |
| 68 | 13.051 | 1037 | 1038 | 1040 | rVB  | 601695  | 802758  | 8.85%  | 0.394% |
| 69 | 13.120 | 1040 | 1044 | 1047 | rBV  | 3998978 | 5060860 | 55.82% | 2.485% |
| 70 | 13.245 | 1053 | 1055 | 1058 | rVB  | 1028831 | 1123772 | 12.40% | 0.552% |
| 71 | 13.314 | 1058 | 1061 | 1062 | rBV  | 1249429 | 1710335 | 18.87% | 0.840% |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 10DEPTH

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-BF043015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 13.348 | 1062 | 1064 | 1067 | rVV  | 1489260 | 1956223 | 21.58%  | 0.961% |
| 73  | 13.440 | 1067 | 1072 | 1074 | rVV2 | 1128975 | 2795400 | 30.83%  | 1.373% |
| 74  | 13.485 | 1074 | 1076 | 1078 | rVV2 | 692562  | 1113762 | 12.29%  | 0.547% |
| 75  | 13.634 | 1086 | 1089 | 1091 | rVB  | 3269110 | 4084561 | 45.05%  | 2.006% |
| 76  | 13.908 | 1111 | 1113 | 1114 | rVV  | 782475  | 750937  | 8.28%   | 0.369% |
| 77  | 14.000 | 1117 | 1121 | 1123 | rVV2 | 1278524 | 2001332 | 22.08%  | 0.983% |
| 78  | 14.045 | 1123 | 1125 | 1128 | rVV2 | 628394  | 1211821 | 13.37%  | 0.595% |
| 79  | 14.125 | 1128 | 1132 | 1137 | rVB3 | 3982104 | 9065722 | 100.00% | 4.452% |
| 80  | 14.240 | 1139 | 1142 | 1144 | rBV  | 902716  | 1304311 | 14.39%  | 0.640% |
| 81  | 14.320 | 1144 | 1149 | 1151 | rBV5 | 684045  | 1803220 | 19.89%  | 0.885% |
| 82  | 14.411 | 1155 | 1157 | 1160 | rBV2 | 450870  | 939979  | 10.37%  | 0.462% |
| 83  | 14.468 | 1160 | 1162 | 1165 | rVB2 | 503630  | 713660  | 7.87%   | 0.350% |
| 84  | 14.525 | 1165 | 1167 | 1169 | rVB2 | 508324  | 740009  | 8.16%   | 0.363% |
| 85  | 14.583 | 1169 | 1172 | 1174 | rBV2 | 2701632 | 3580301 | 39.49%  | 1.758% |
| 86  | 15.028 | 1208 | 1211 | 1214 | rBV2 | 2064921 | 3312848 | 36.54%  | 1.627% |
| 87  | 15.120 | 1218 | 1219 | 1222 | rBV2 | 364954  | 768264  | 8.47%   | 0.377% |
| 88  | 15.451 | 1246 | 1248 | 1250 | rVB  | 1675395 | 1804598 | 19.91%  | 0.886% |
| 89  | 15.874 | 1282 | 1285 | 1287 | rBV  | 1073948 | 1689330 | 18.63%  | 0.830% |
| 90  | 15.966 | 1291 | 1293 | 1299 | rVV4 | 548521  | 1785987 | 19.70%  | 0.877% |
| 91  | 16.274 | 1318 | 1320 | 1324 | rVB  | 1289796 | 1596377 | 17.61%  | 0.784% |
| 92  | 16.674 | 1353 | 1355 | 1362 | rVB  | 1001771 | 1547045 | 17.06%  | 0.760% |
| 93  | 17.074 | 1387 | 1390 | 1392 | rBV2 | 726729  | 1001429 | 11.05%  | 0.492% |
| 94  | 17.143 | 1392 | 1396 | 1400 | rVV  | 1316452 | 2449790 | 27.02%  | 1.203% |
| 95  | 17.211 | 1400 | 1402 | 1405 | rVV2 | 618843  | 1108999 | 12.23%  | 0.545% |
| 96  | 17.463 | 1422 | 1424 | 1426 | rBV2 | 723729  | 928475  | 10.24%  | 0.456% |
| 97  | 17.714 | 1444 | 1446 | 1450 | rVB  | 446815  | 722132  | 7.97%   | 0.355% |
| 98  | 17.851 | 1456 | 1458 | 1466 | rVB  | 535243  | 971768  | 10.72%  | 0.477% |
| 99  | 18.263 | 1492 | 1494 | 1498 | rVB  | 468883  | 745434  | 8.22%   | 0.366% |
| 100 | 19.646 | 1612 | 1615 | 1621 | rVB5 | 288219  | 748480  | 8.26%   | 0.368% |

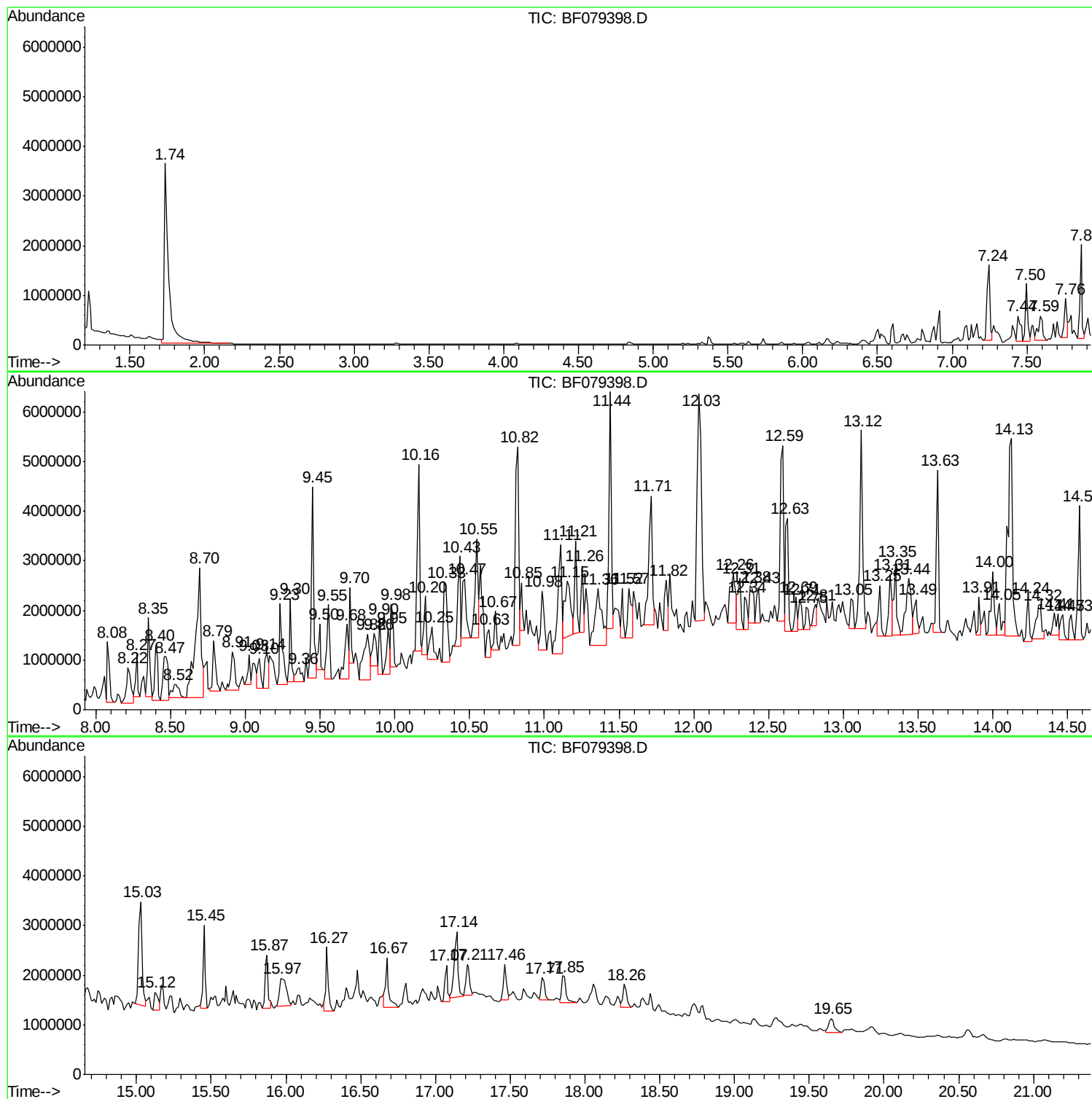
Sum of corrected areas: 203649738

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Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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\BF052015\  
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Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

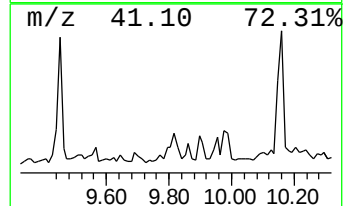
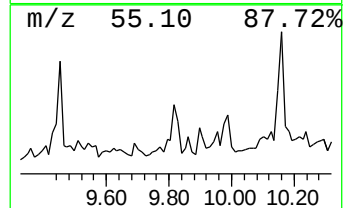
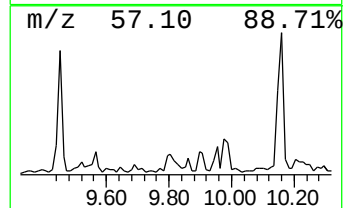
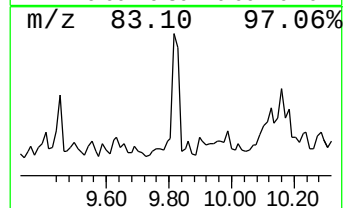
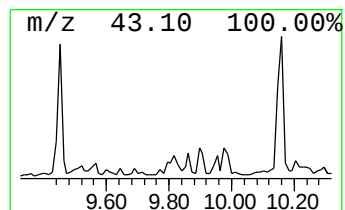
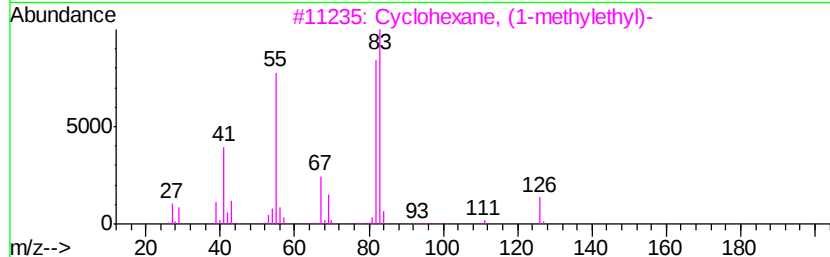
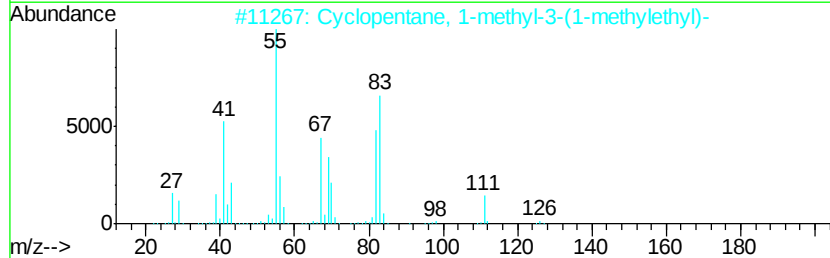
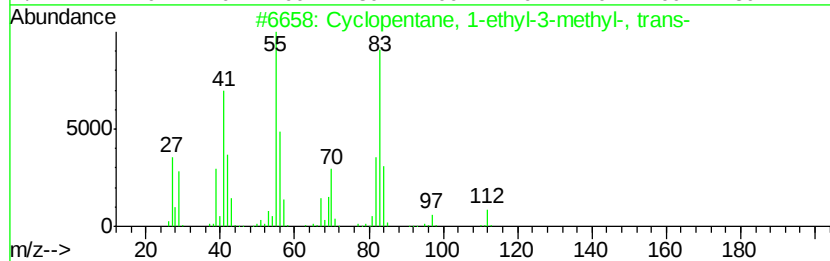
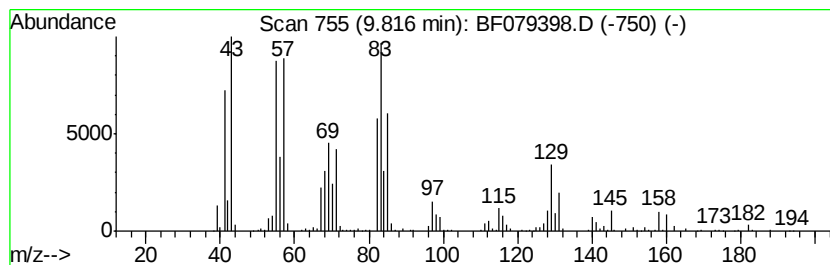
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown9.82 Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD | R.T.  |
|------|----------|---------|------------------|-------|
| 9.82 | 59.66 ng | 2716660 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16   | 002613-65-2 | 30   |
| 2    |    | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18   | 053771-88-3 | 30   |
| 3    |    | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 27   |
| 4    |    | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 27   |
| 5    |    | Heptylcyclohexane                   | 182 | C13H26  | 005617-41-4 | 27   |



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ALS Vial : 21 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

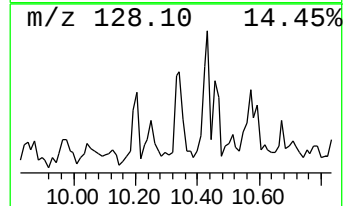
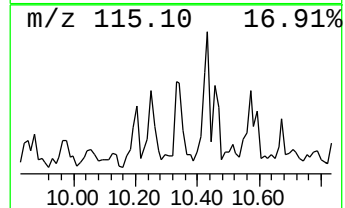
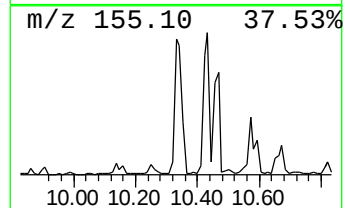
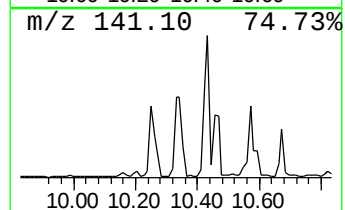
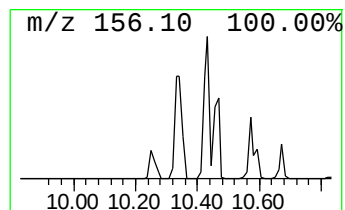
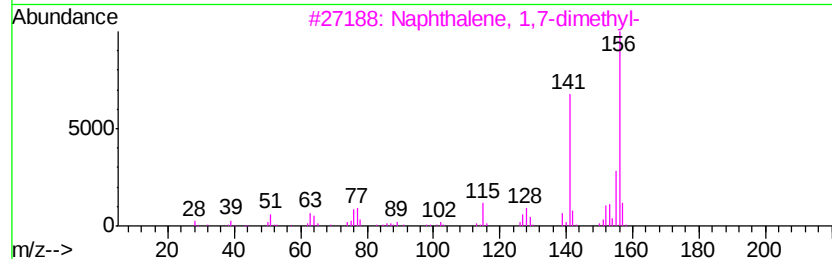
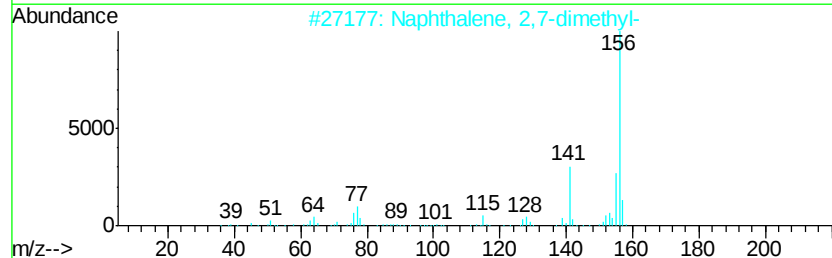
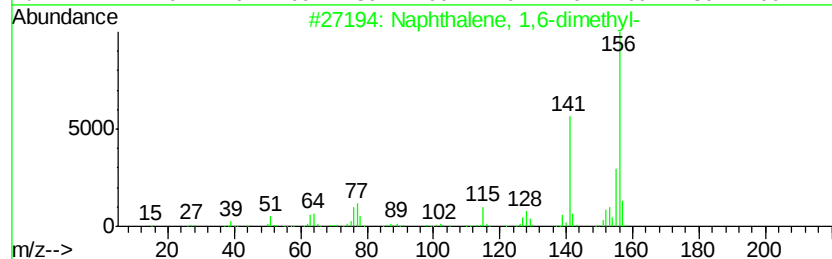
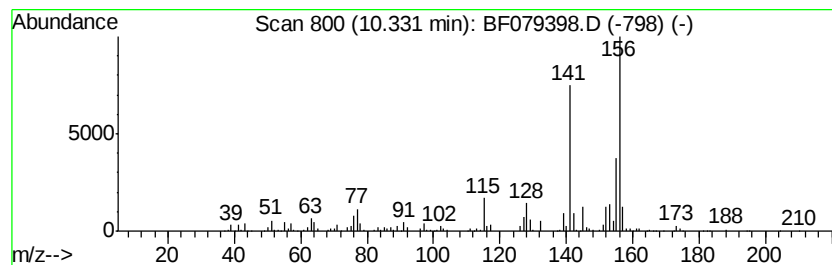
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 17

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.33 | 59.04 ng | 2688690 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 2    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 96   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

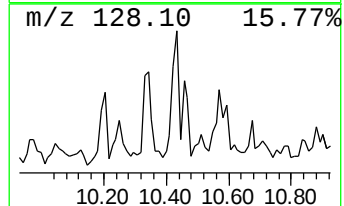
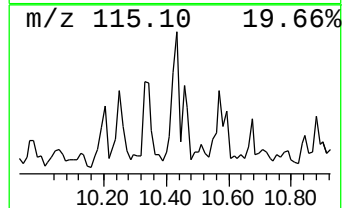
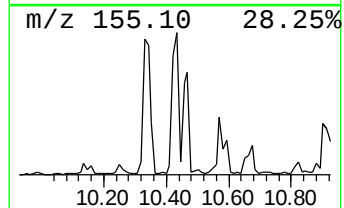
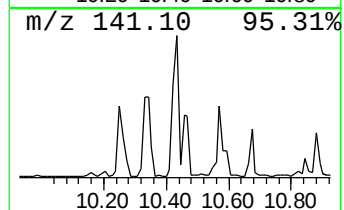
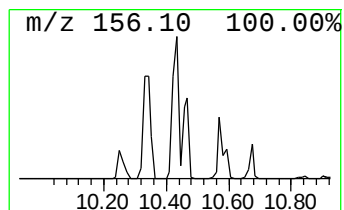
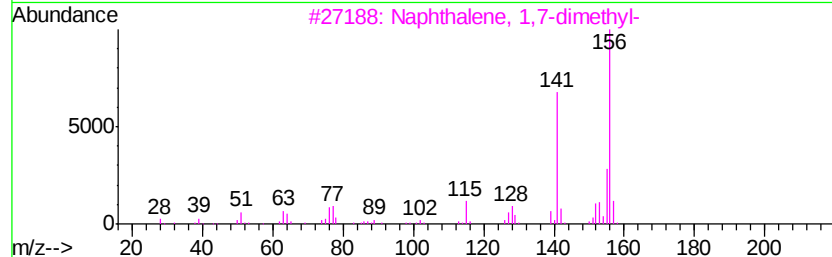
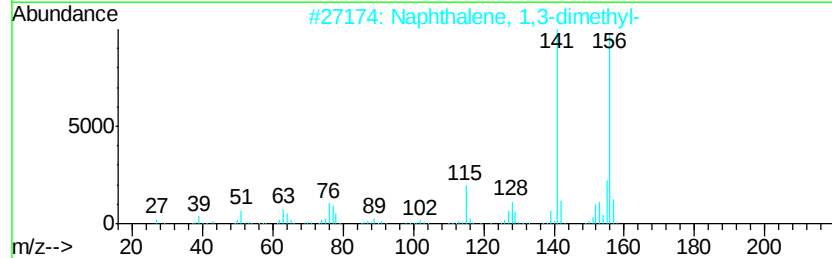
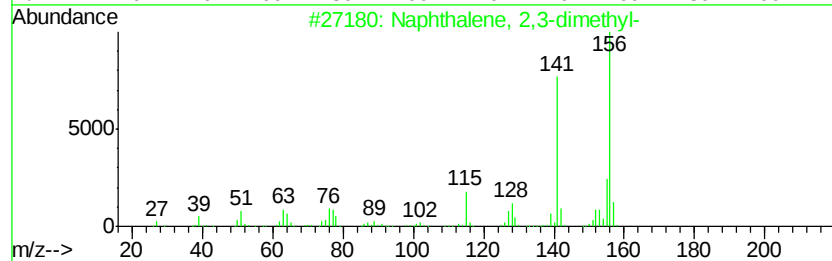
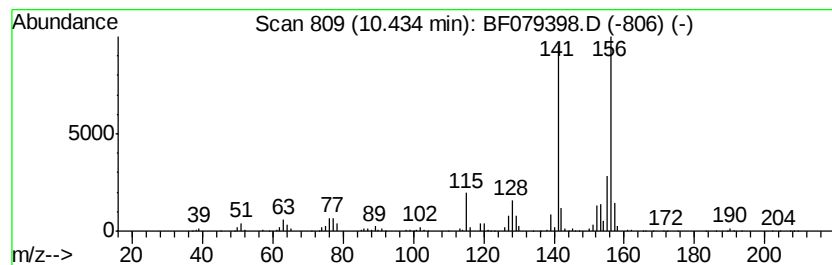
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 19

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.43 | 51.56 ng | 2348130 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

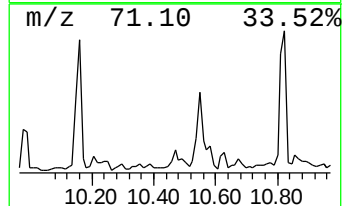
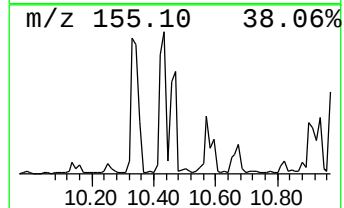
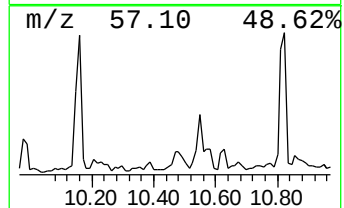
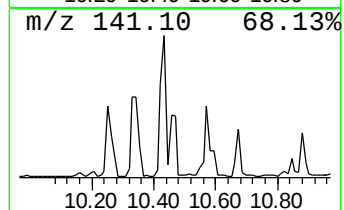
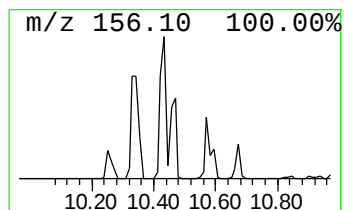
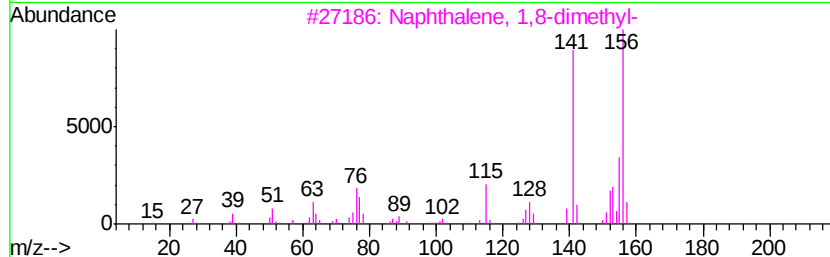
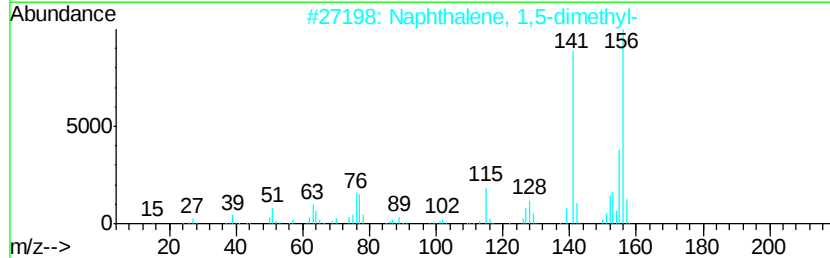
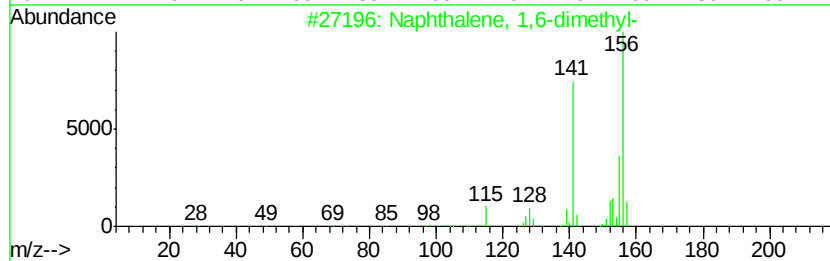
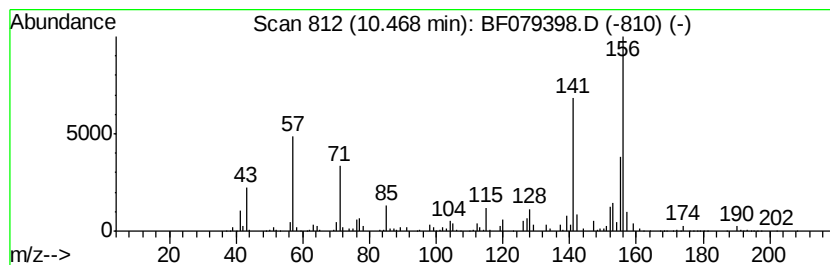
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 20

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.47 | 44.58 ng | 2030010 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 95   |
| 3    |    | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 93   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 92   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

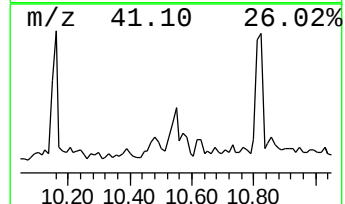
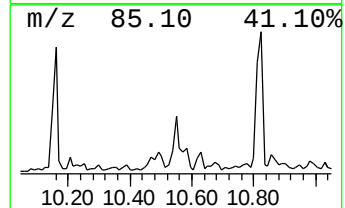
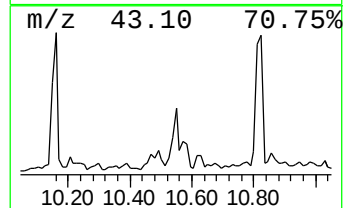
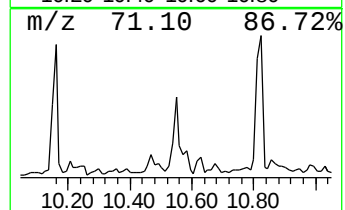
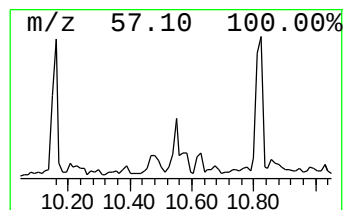
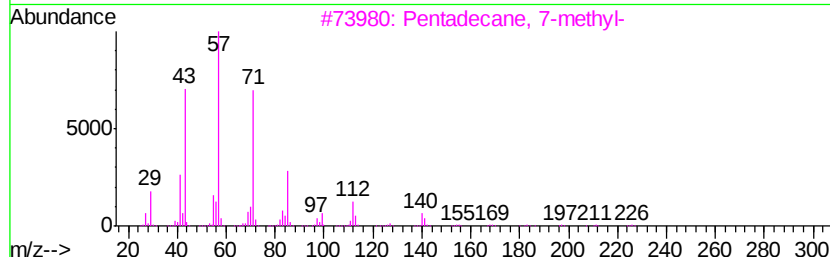
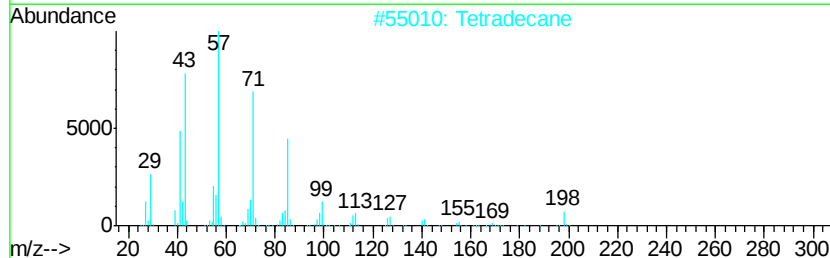
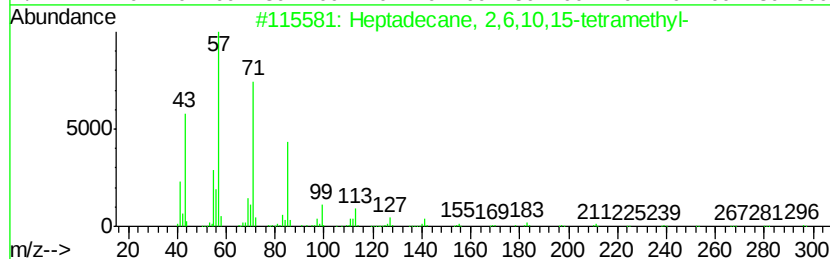
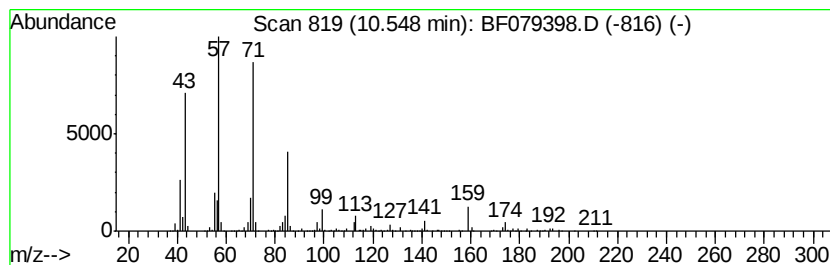
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Undecane, 4,8-dimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.55 | 59.44 ng | 2706920 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 2    |    | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 86   |
| 3    |    | Pentadecane, 7-methyl-              | 226 | C16H34  | 006165-40-8 | 80   |
| 4    |    | Tritetracontane                     | 605 | C43H88  | 007098-21-7 | 78   |
| 5    |    | Undecane, 4,8-dimethyl-             | 184 | C13H28  | 017301-33-6 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

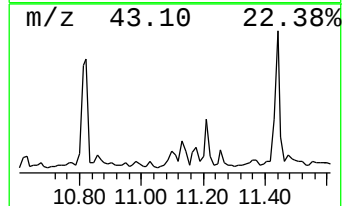
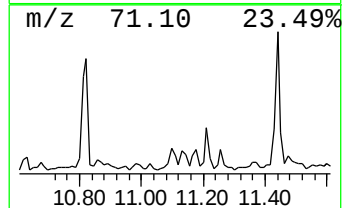
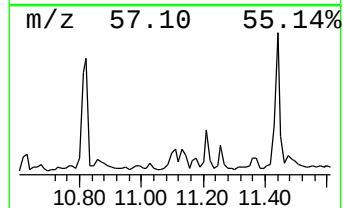
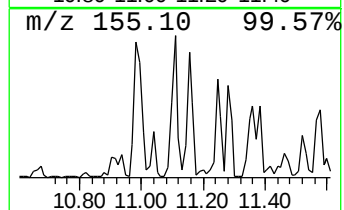
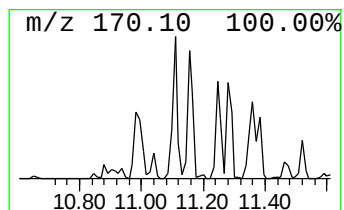
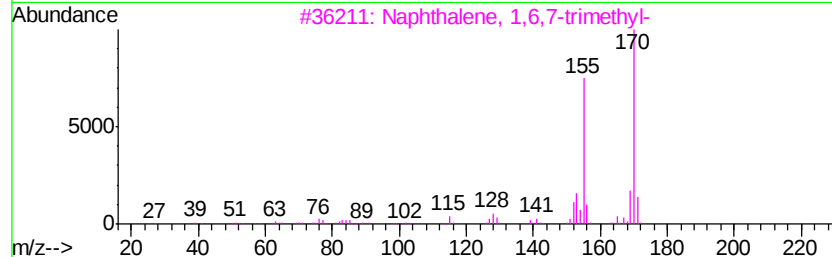
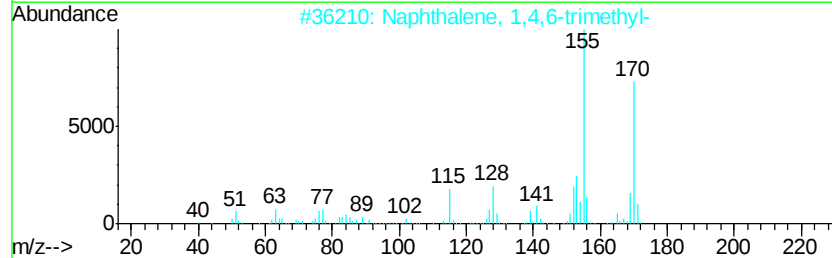
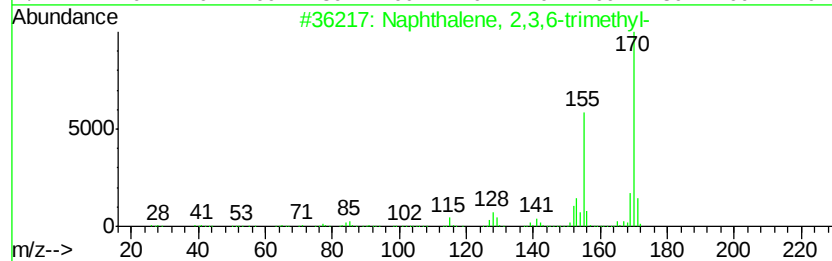
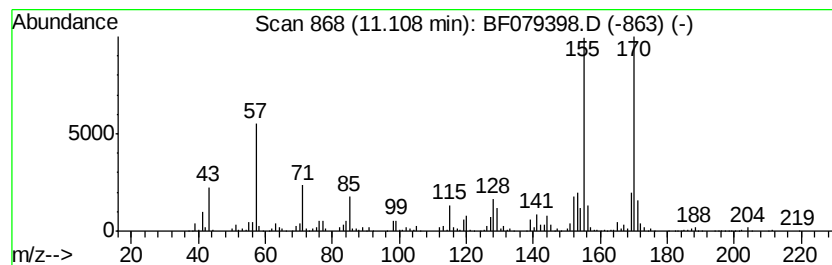
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.11 | 84.77 ng | 3860350 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 97   |
| 2    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 97   |
| 3    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 97   |
| 4    |    | Azulene, 4,6,8-trimethyl-       | 170 | C13H14  | 000941-81-1  | 95   |
| 5    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 94   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

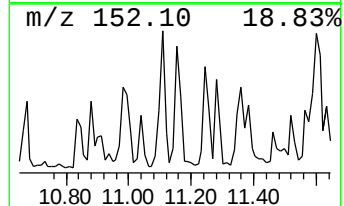
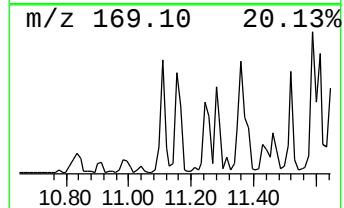
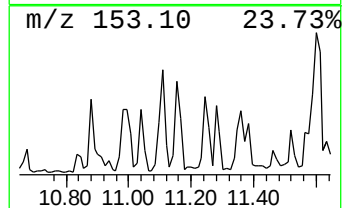
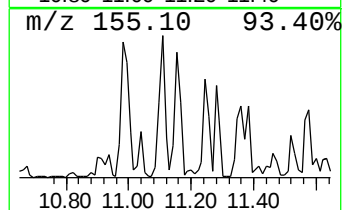
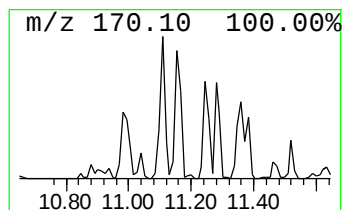
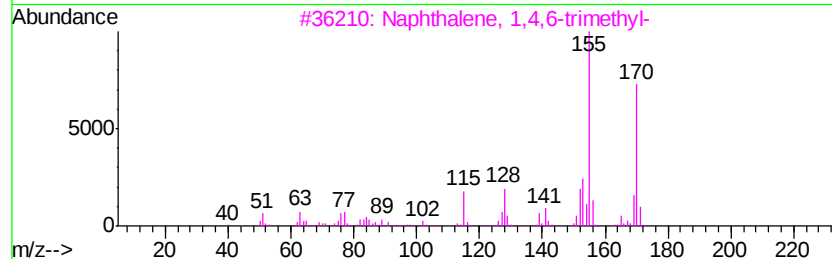
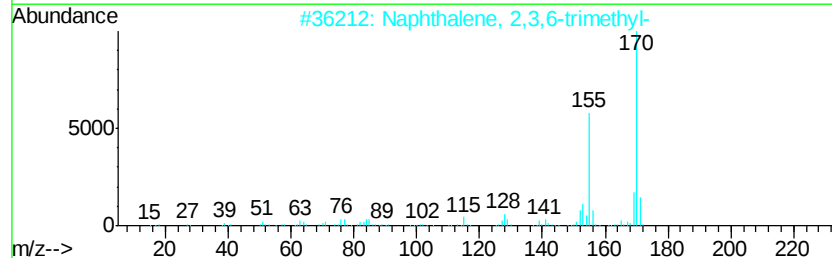
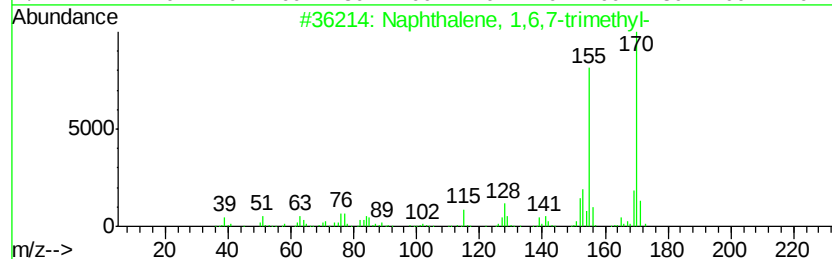
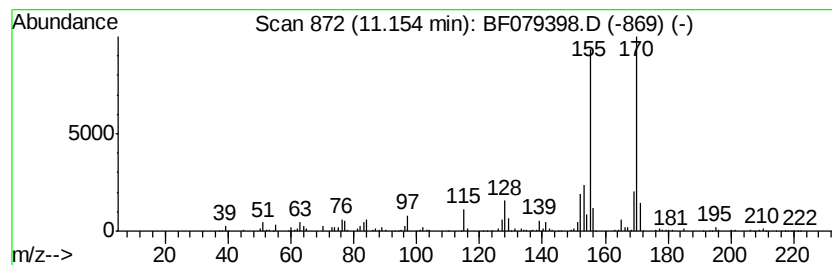
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.15 | 66.56 ng | 3031090 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 97   |
| 2    |    | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 94   |
| 3    |    | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 94   |
| 4    |    | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 91   |
| 5    |    | Azulene, 4,6,8-trimethyl-     | 170 | C13H14  | 000941-81-1 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

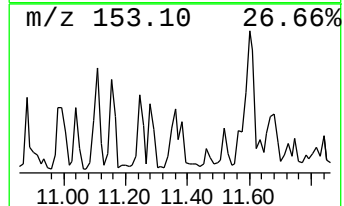
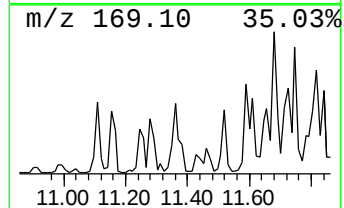
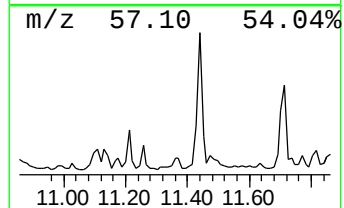
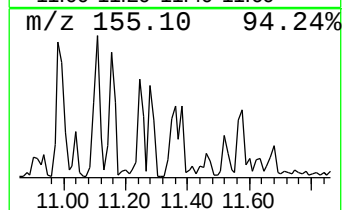
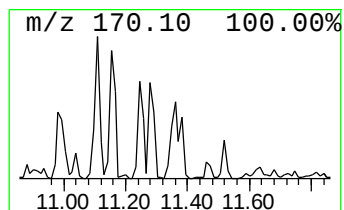
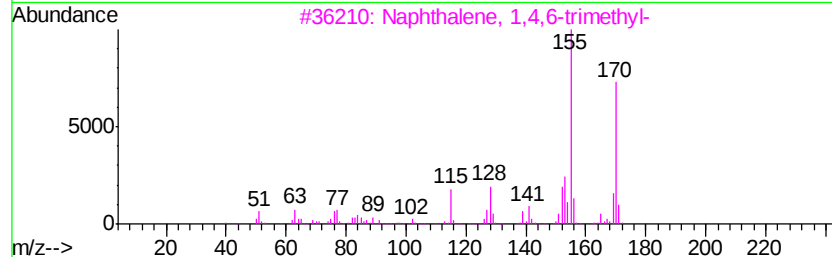
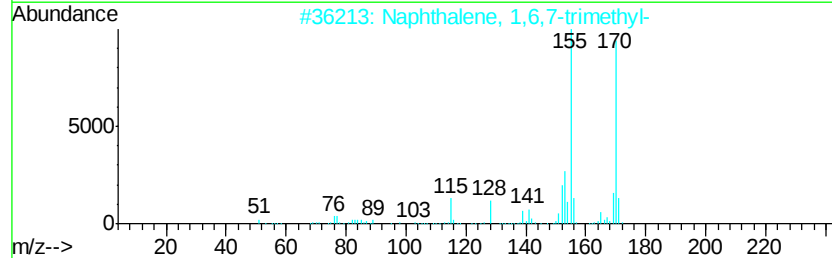
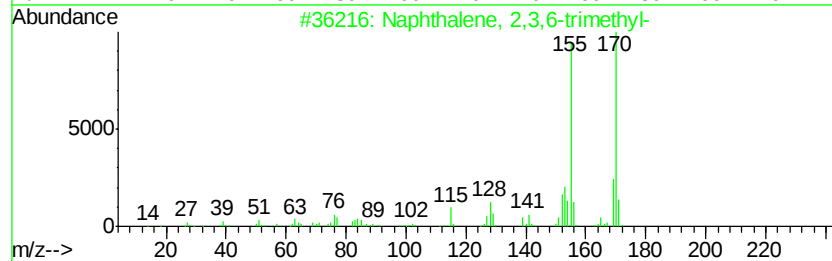
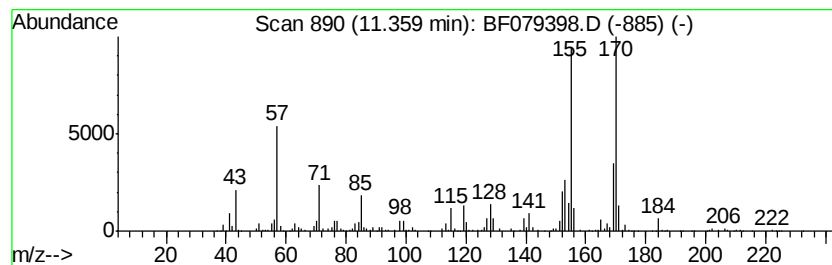
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.36 | 82.55 ng | 3759080 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 98   |
| 2    |    | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 98   |
| 3    |    | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 4    |    | Azulene, 4,6,8-trimethyl-     | 170 | C13H14  | 000941-81-1 | 93   |
| 5    |    | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

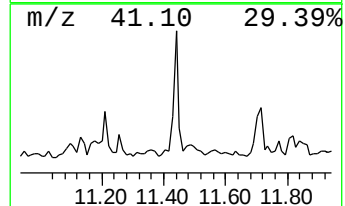
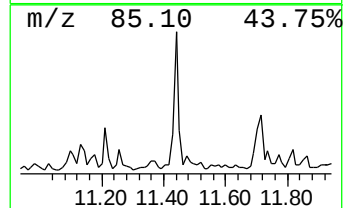
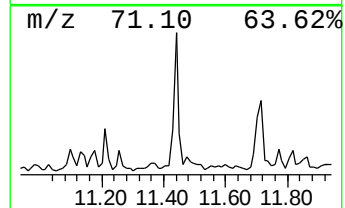
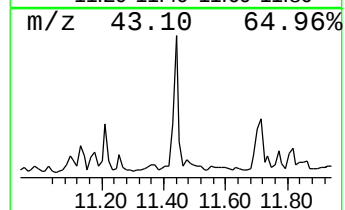
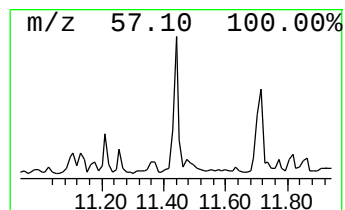
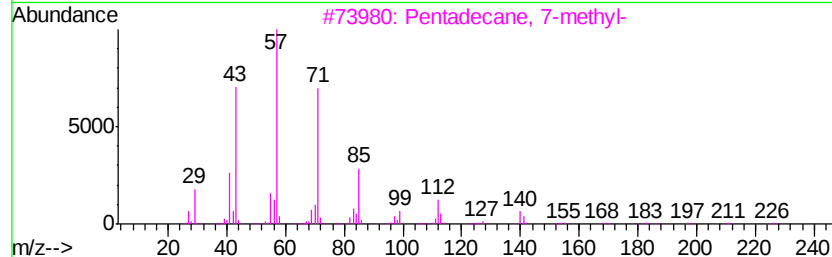
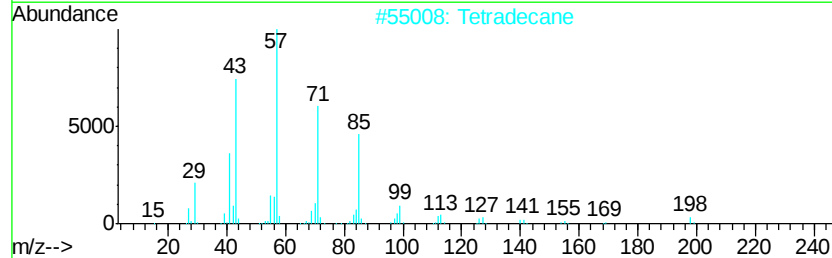
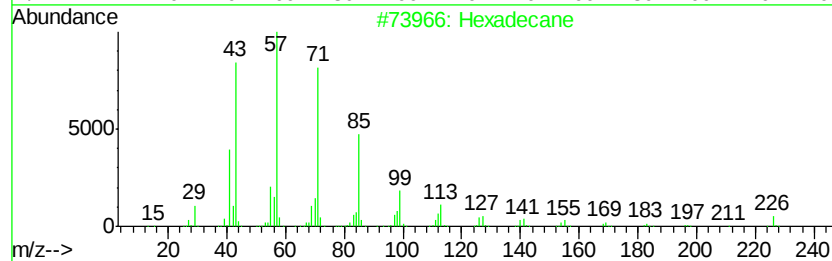
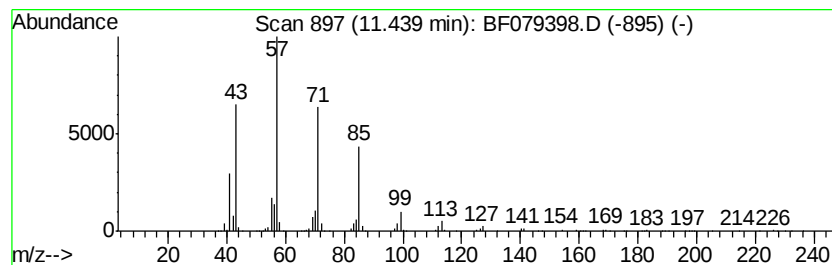
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Hexadecane Concentration Rank 3

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 11.44 | 111.84 ng | 5092960 | Acenaphthene-d10 | 10.85 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane                   |              | 226 | C16H34  | 000544-76-3 | 91   |
| 2       | Tetradecane                  |              | 198 | C14H30  | 000629-59-4 | 87   |
| 3       | Pentadecane, 7-methyl-       |              | 226 | C16H34  | 006165-40-8 | 87   |
| 4       | Dodecane, 2-methyl-6-propyl- |              | 226 | C16H34  | 055045-08-4 | 80   |
| 5       | Nonadecane                   |              | 268 | C19H40  | 000629-92-5 | 78   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

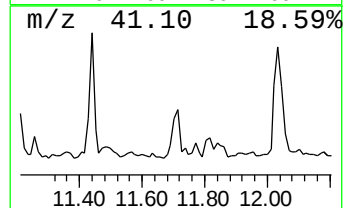
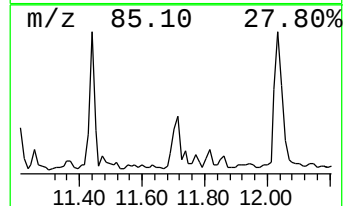
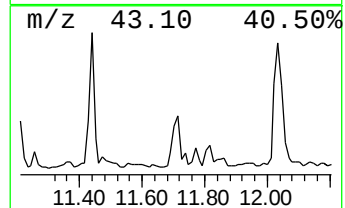
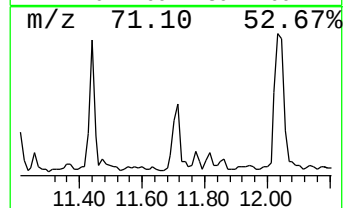
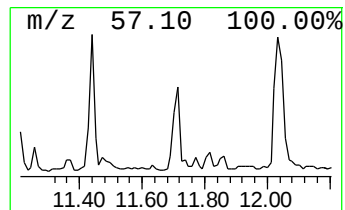
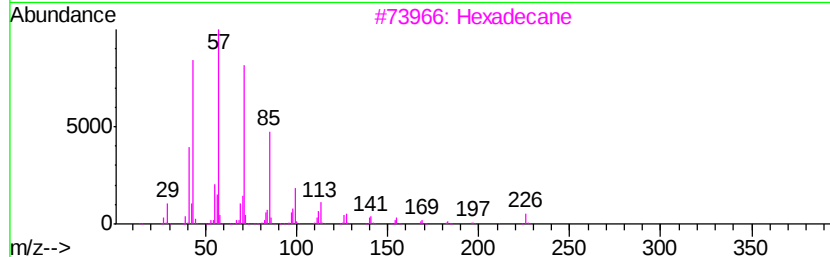
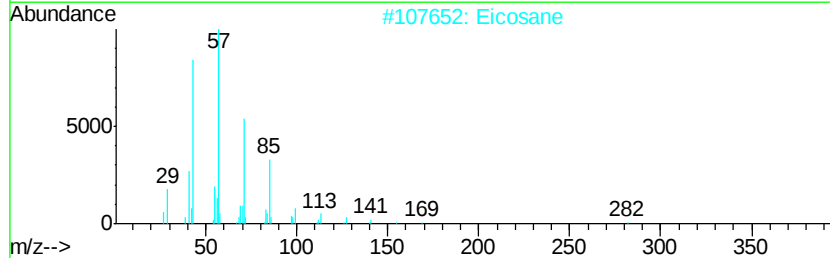
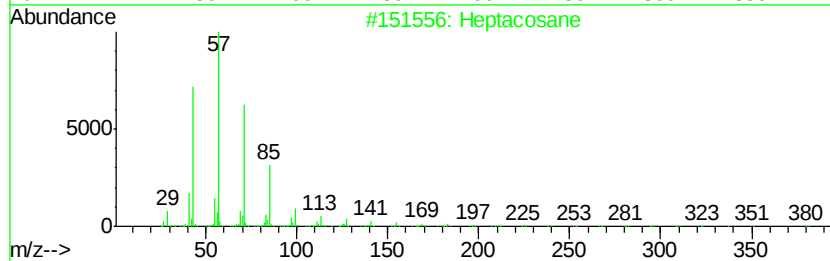
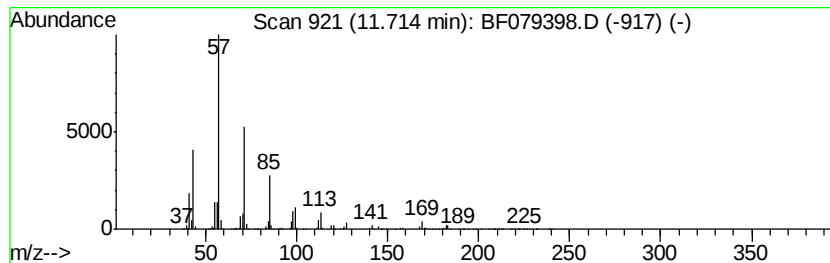
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Heptacosane Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.71 | 95.08 ng | 4329630 | Acenaphthene-d10 | 10.85 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane          | 380 | C27H56  | 000593-49-7 | 86   |
| 2    |    | Eicosane             | 282 | C20H42  | 000112-95-8 | 72   |
| 3    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 72   |
| 4    |    | Tridecane, 5-propyl- | 226 | C16H34  | 055045-11-9 | 72   |
| 5    |    | Dodecane, 3-methyl-  | 184 | C13H28  | 017312-57-1 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

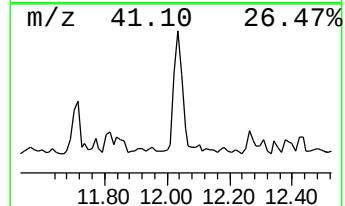
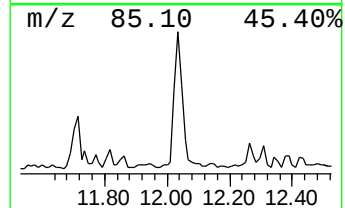
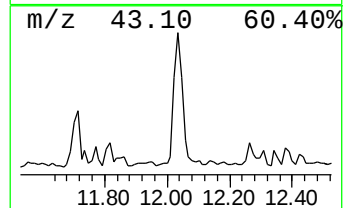
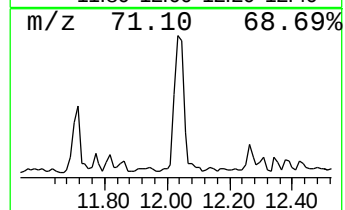
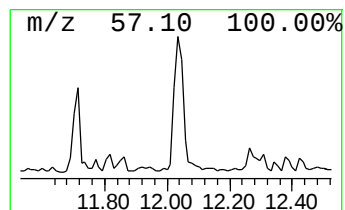
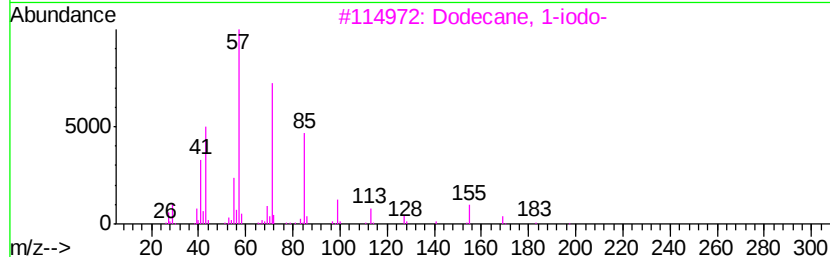
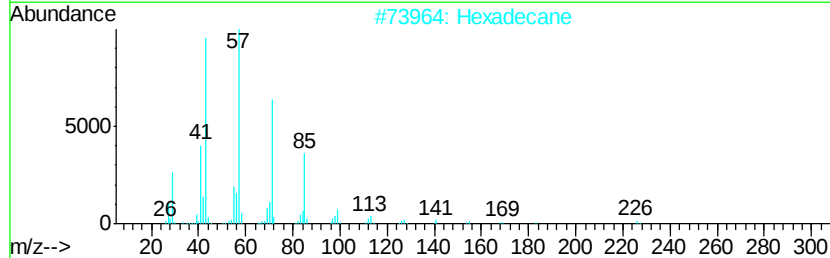
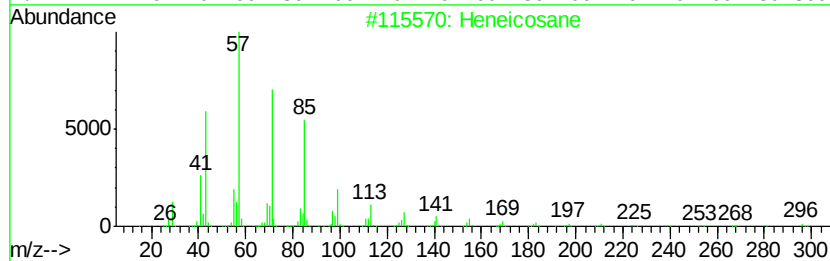
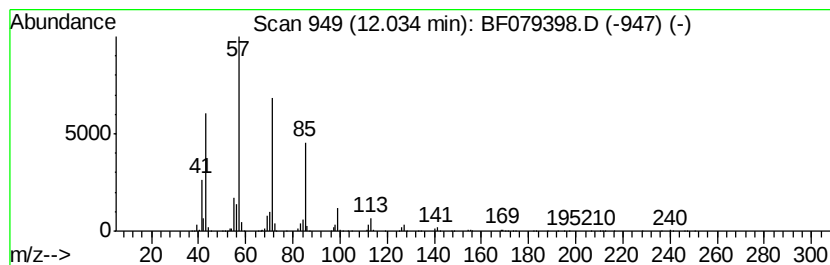
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heneicosane Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 12.03 | 179.46 ng | 8311330 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                 | 296 | C21H44  | 000629-94-7 | 83   |
| 2    |    | Hexadecane                  | 226 | C16H34  | 000544-76-3 | 83   |
| 3    |    | Dodecane, 1-iodo-           | 296 | C12H25I | 004292-19-7 | 80   |
| 4    |    | Eicosane                    | 282 | C20H42  | 000112-95-8 | 80   |
| 5    |    | Nonane, 5-(2-methylpropyl)- | 184 | C13H28  | 062185-53-9 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

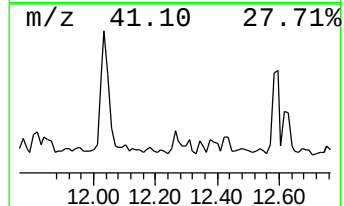
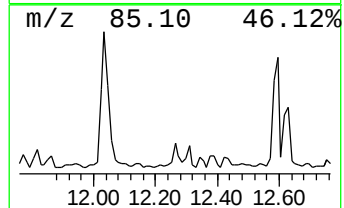
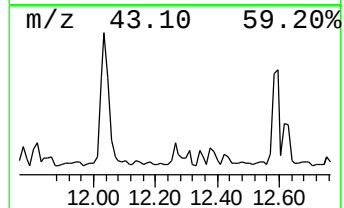
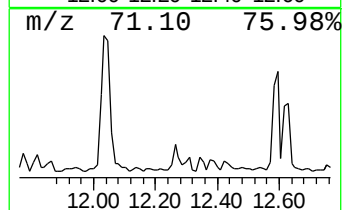
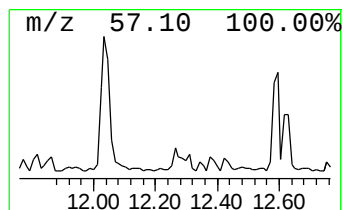
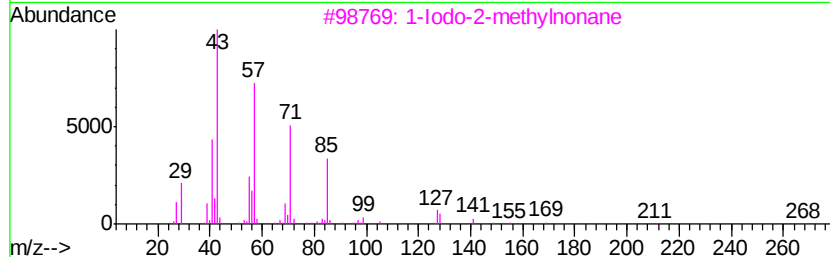
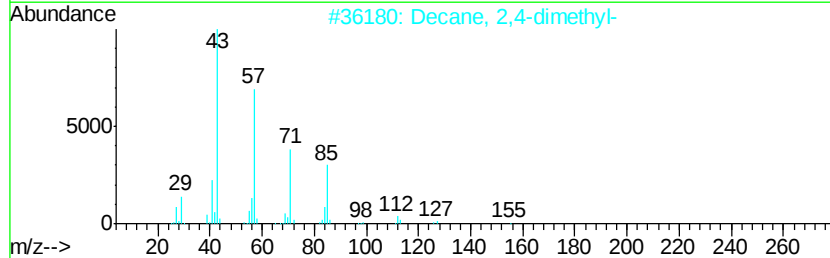
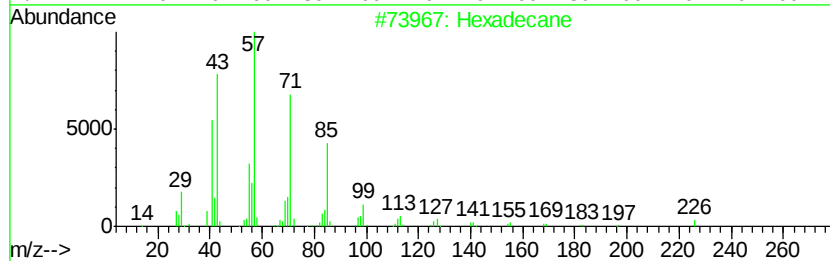
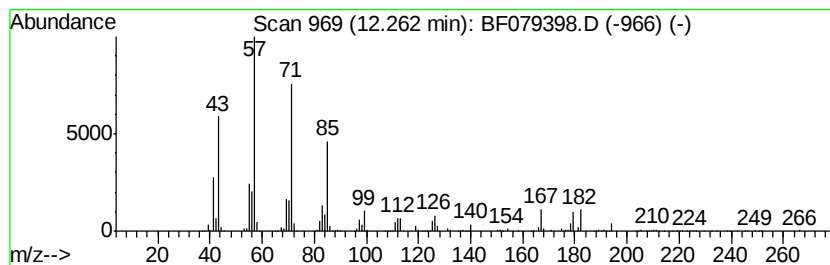
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Decane, 2,4-dimethyl- Concentration Rank 18

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.26 | 56.00 ng | 2593660 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------|-----|---------|--------------|------|
| 1    | 5  | Hexadecane              | 226 | C16H34  | 000544-76-3  | 72   |
| 2    |    | Decane, 2,4-dimethyl-   | 170 | C12H26  | 002801-84-5  | 59   |
| 3    |    | 1-Iodo-2-methylnonane   | 268 | C10H21I | 1000101-47-9 | 59   |
| 4    |    | Tetradecane             | 198 | C14H30  | 000629-59-4  | 59   |
| 5    |    | Undecane, 5,7-dimethyl- | 184 | C13H28  | 017312-83-3  | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

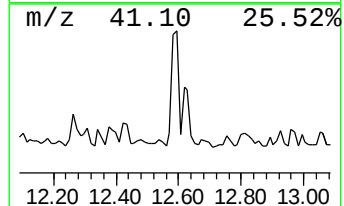
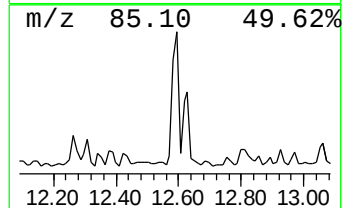
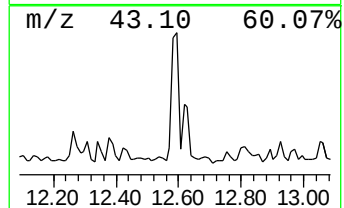
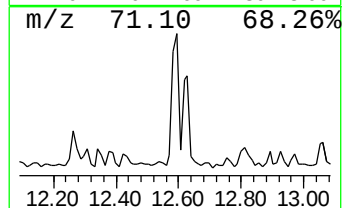
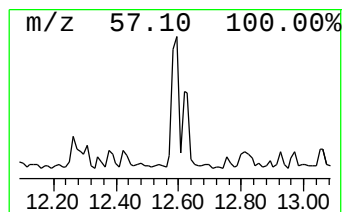
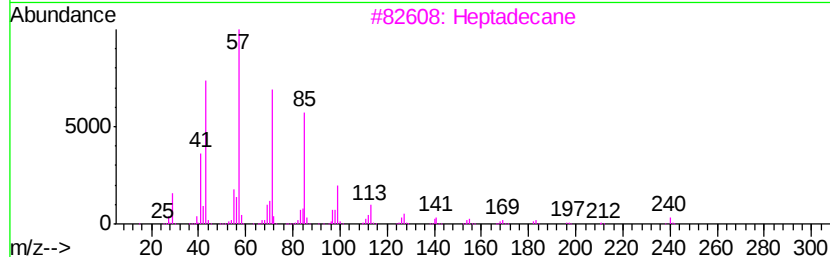
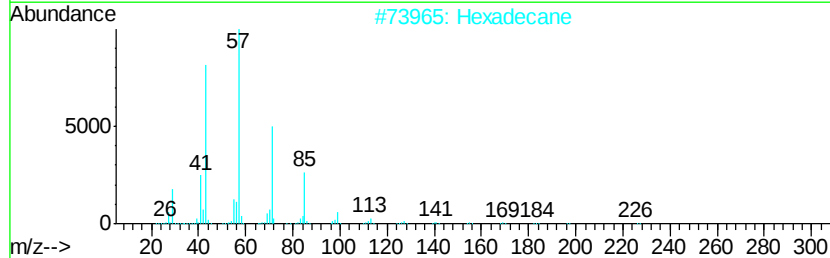
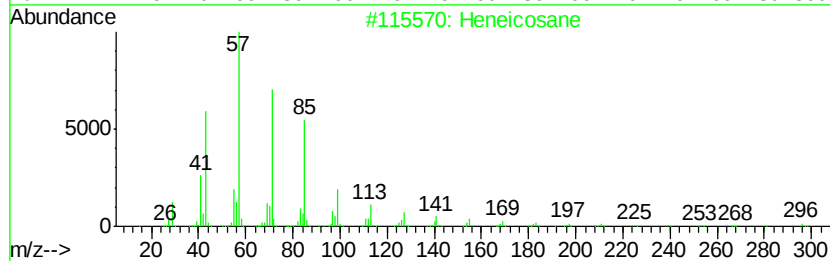
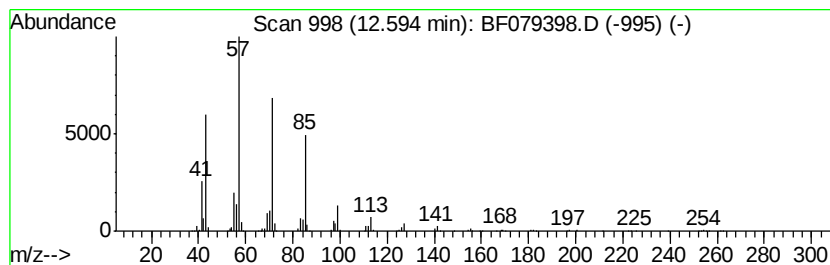
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Dodecane, 1-iodo- Concentration Rank 5

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 12.59 | 107.70 ng | 4987950 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Hexadecane        | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    | Heptadecane       | 240 | C17H36  | 000629-78-7 | 87   |
| 4    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 86   |
| 5    |    | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

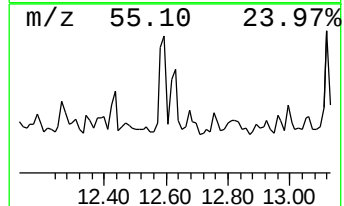
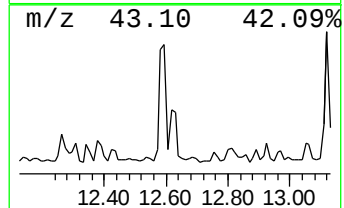
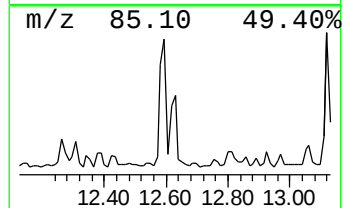
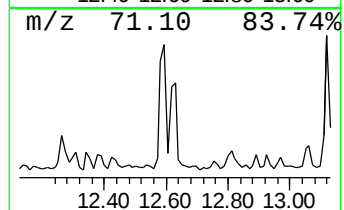
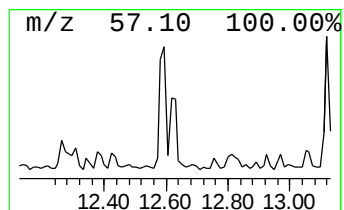
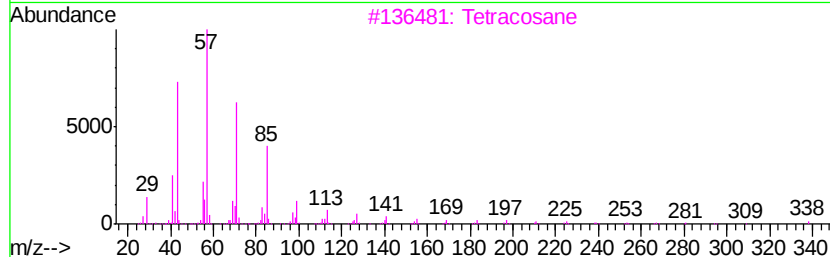
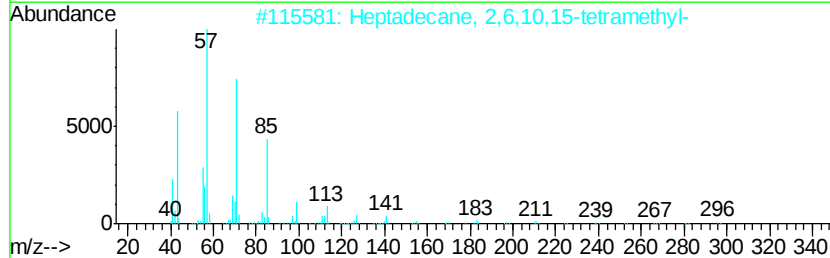
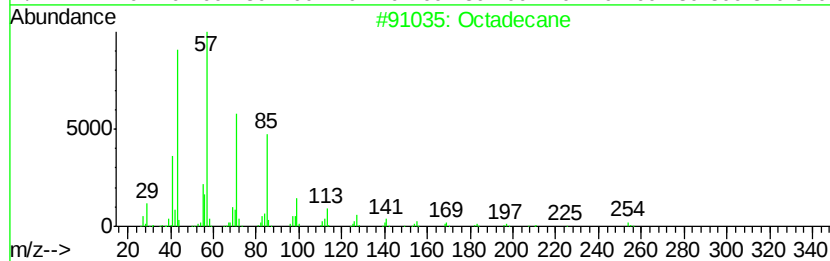
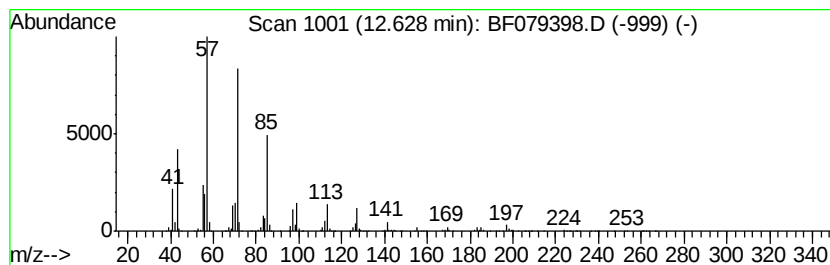
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.63 | 68.55 ng | 3174610 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane                          | 254 | C18H38  | 000593-45-3 | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 87   |
| 3    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 86   |
| 4    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 86   |
| 5    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

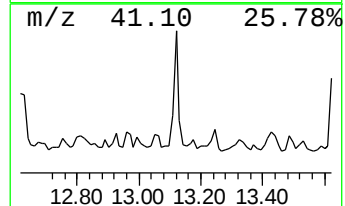
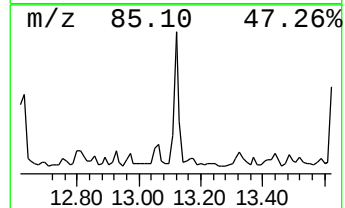
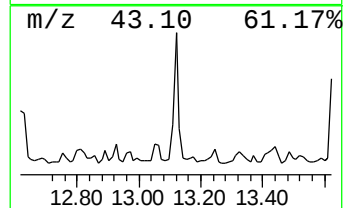
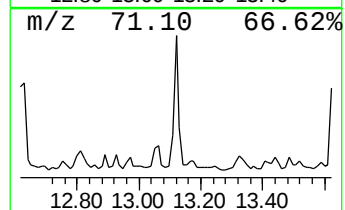
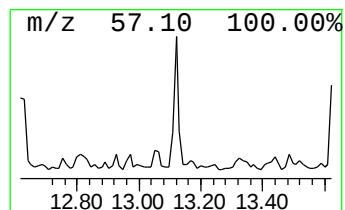
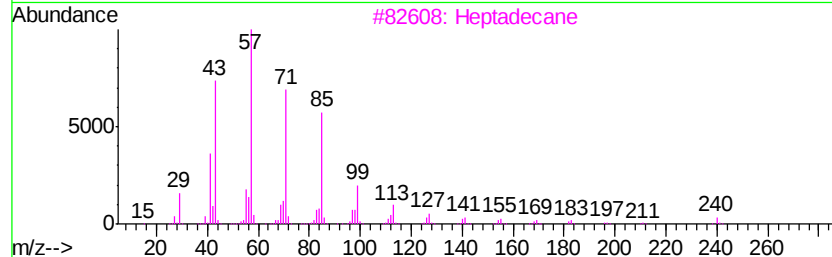
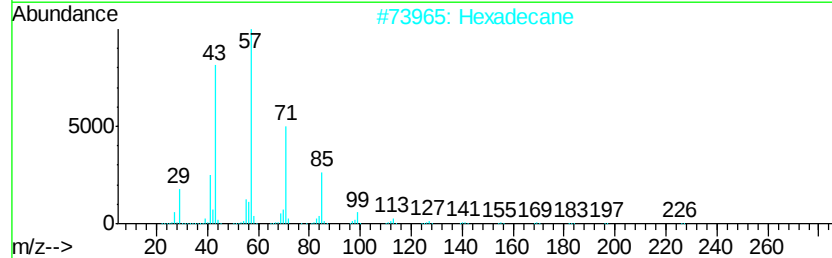
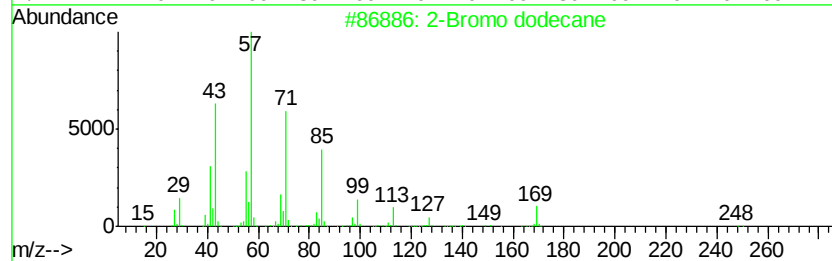
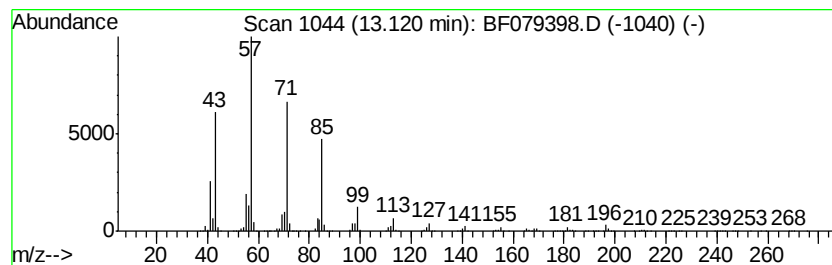
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 2-Bromo dodecane Concentration Rank 4

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 13.12 | 109.28 ng | 5060860 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Bromo dodecane   | 248 | C12H25Br | 013187-99-0 | 90   |
| 2    |    | Hexadecane         | 226 | C16H34   | 000544-76-3 | 90   |
| 3    |    | Heptadecane        | 240 | C17H36   | 000629-78-7 | 90   |
| 4    |    | Tridecane, 1-iodo- | 310 | C13H27I  | 035599-77-0 | 86   |
| 5    |    | Eicosane           | 282 | C20H42   | 000112-95-8 | 74   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

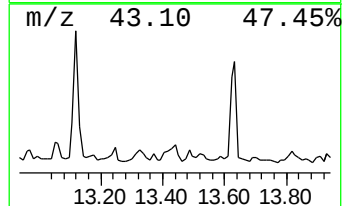
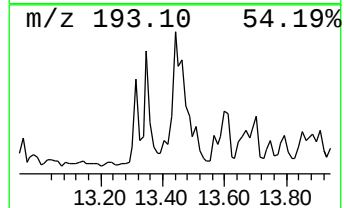
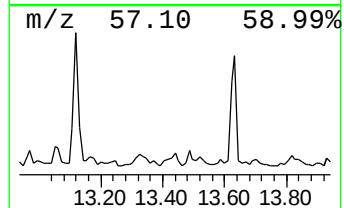
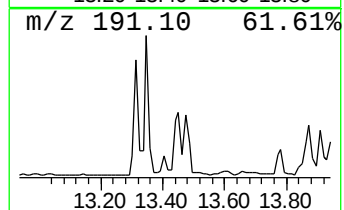
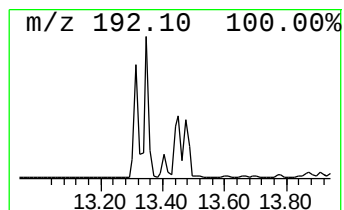
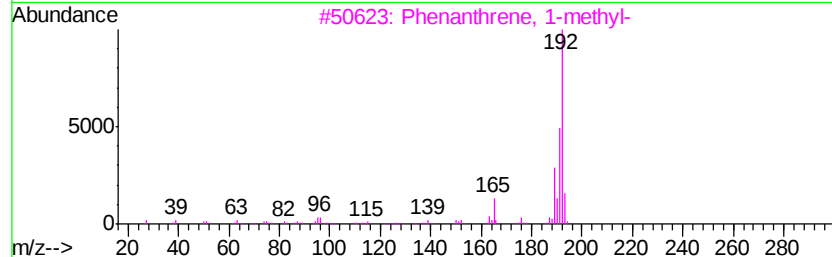
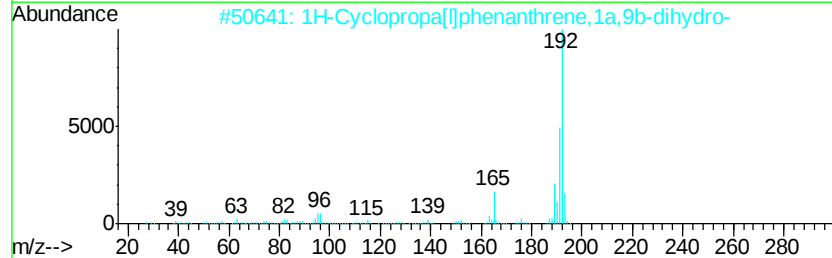
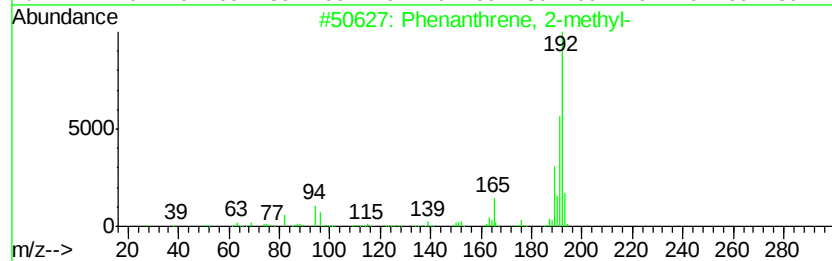
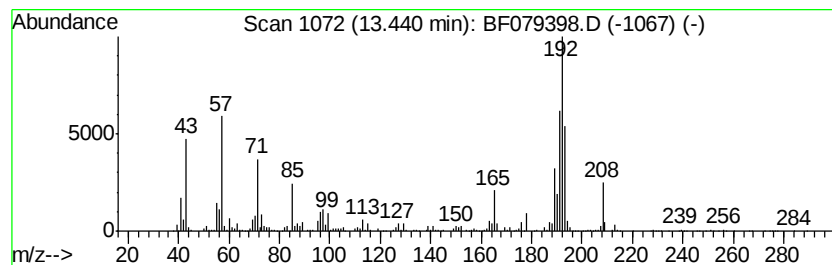
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 14

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.44 | 60.36 ng | 2795400 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 93   |
| 2    |    | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 92   |
| 3    |    | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 90   |
| 4    |    | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 64   |
| 5    |    | Naphtho[2,3-b]norbornadiene         | 192 | C15H12  | 107426-38-0 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

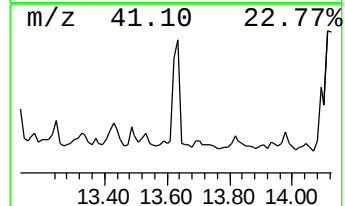
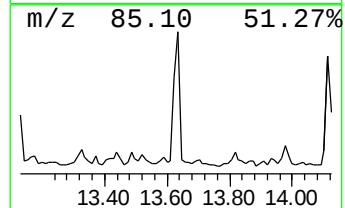
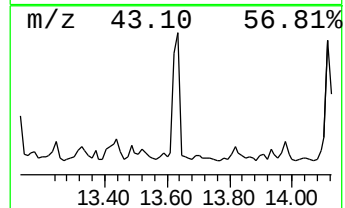
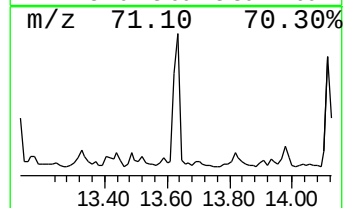
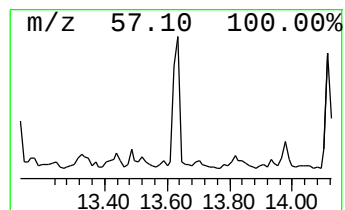
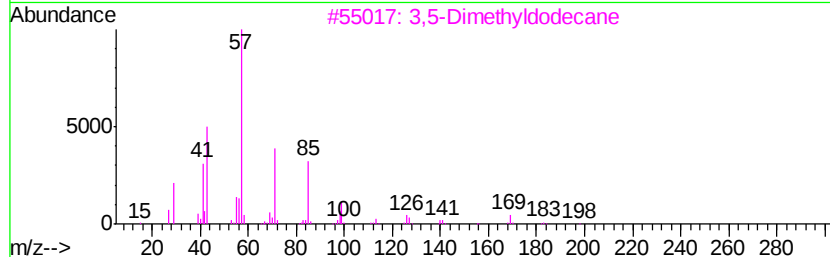
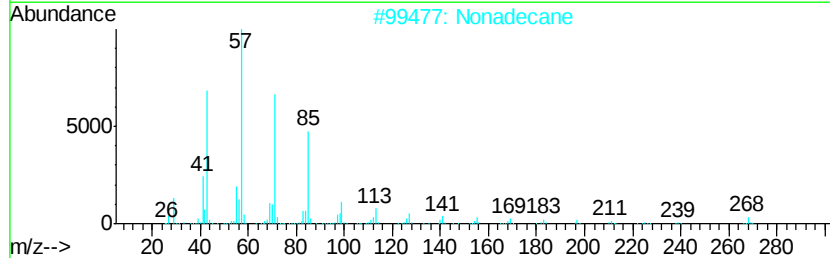
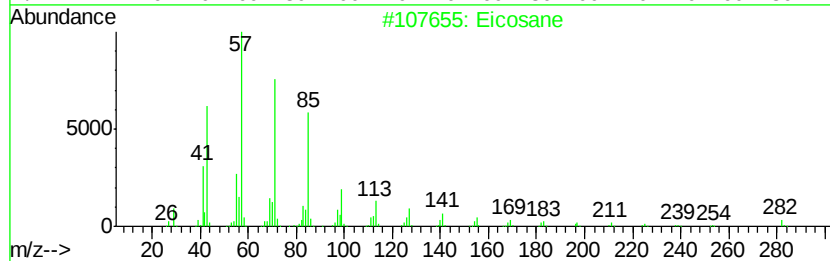
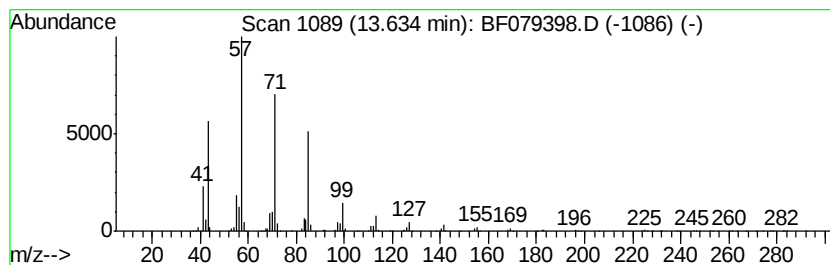
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Eicosane Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.63 | 88.20 ng | 4084560 | Phenanthrene-d10 | 12.69 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane             |              | 282 | C20H42  | 000112-95-8 | 97   |
| 2       | Nonadecane           |              | 268 | C19H40  | 000629-92-5 | 91   |
| 3       | 3,5-Dimethyldodecane |              | 198 | C14H30  | 107770-99-0 | 90   |
| 4       | Hexadecane, 1-iodo-  |              | 352 | C16H33I | 000544-77-4 | 90   |
| 5       | Hexadecane           |              | 226 | C16H34  | 000544-76-3 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

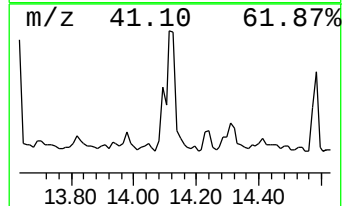
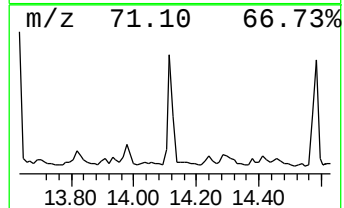
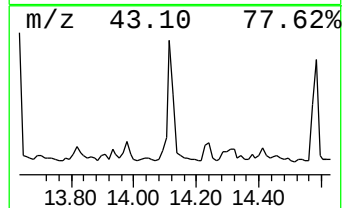
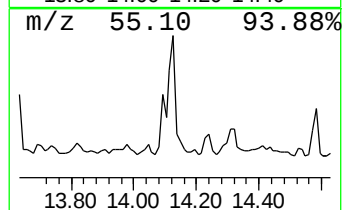
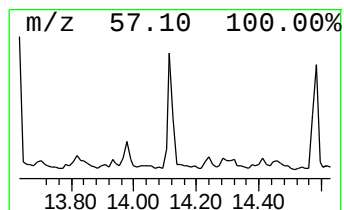
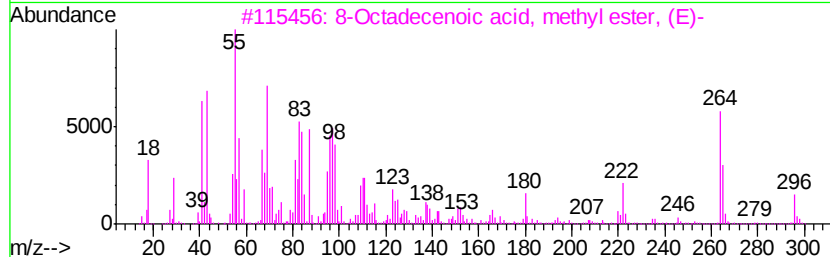
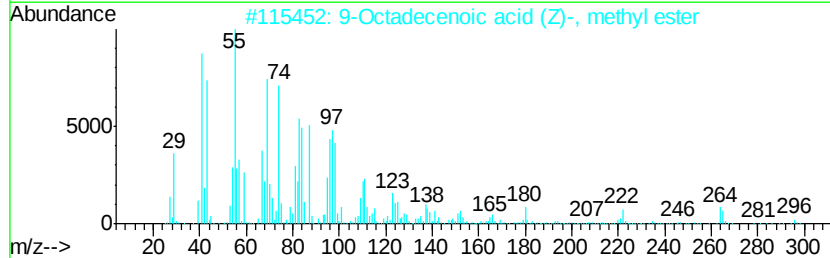
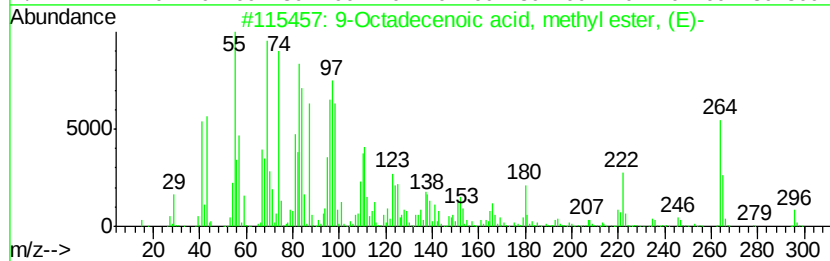
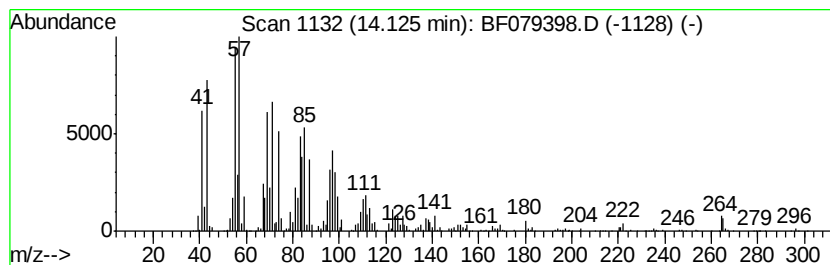
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 9-Octadecenoic acid, methyl... Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 14.13 | 195.75 ng | 9065720 | Phenanthrene-d10 | 12.69 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 99   |
| 2    |    | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 96   |
| 3    |    | 8-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 026528-50-7 | 95   |
| 4    |    | 8-Octadecenoic acid, methyl ester   | 296 | C19H36O2 | 002345-29-1 | 91   |
| 5    |    | 7-Octadecenoic acid, methyl ester   | 296 | C19H36O2 | 057396-98-2 | 89   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
Data File : BF079398.D  
Acq On : 21 May 2015 00:45  
Operator : TP/IZ  
Sample : G2303-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

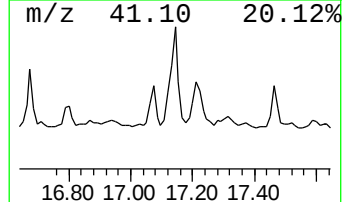
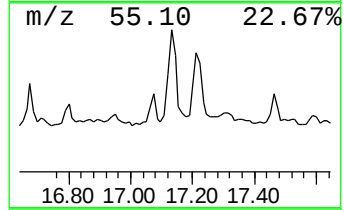
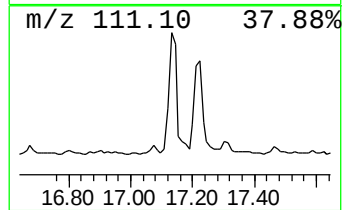
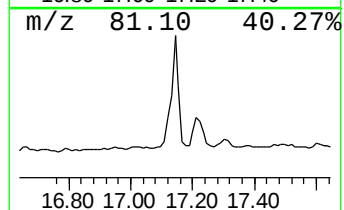
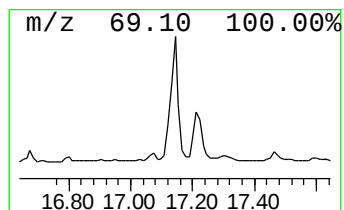
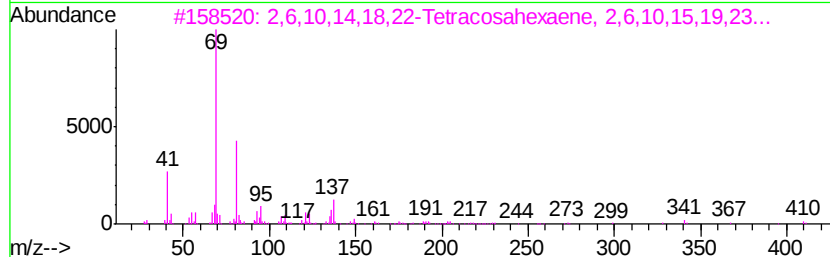
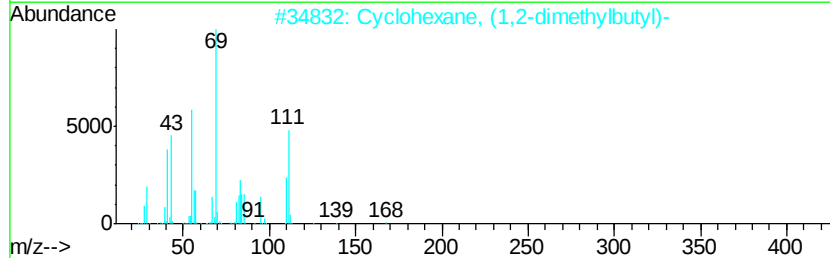
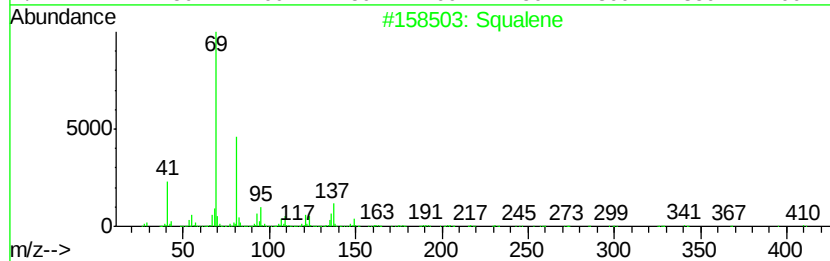
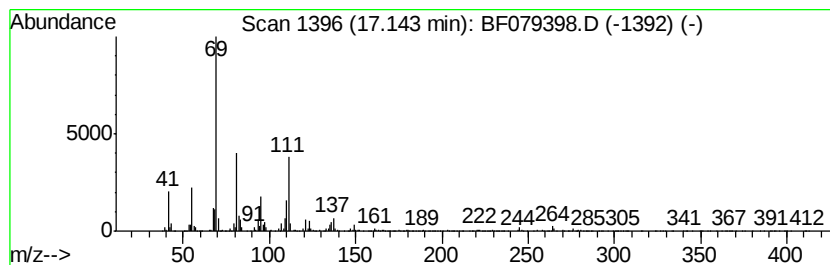
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Squalene Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 17.14 | 67.85 ng | 2449790 | Perylene-d12     | 17.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9  | 93   |
| 2    |    | Cyclohexane, (1,2-dimethylbutyl)-   | 168 | C12H24  | 061142-37-8  | 72   |
| 3    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4  | 64   |
| 4    |    | Cyclooctane, (1-methylpropyl)-      | 168 | C12H24  | 016538-89-9  | 59   |
| 5    |    | Farnesol isomer a                   | 222 | C15H26O | 1000108-92-4 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052015\  
 Data File : BF079398.D  
 Acq On : 21 May 2015 00:45  
 Operator : TP/IZ  
 Sample : G2303-05 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 10DEPTH

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.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 |
| unknown9.82          | 9.82  | 59.7    | ng    | 2716660  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 1,6-... | 10.33 | 59.0    | ng    | 2688690  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 2,3-... | 10.43 | 51.6    | ng    | 2348130  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 1,5-... | 10.47 | 44.6    | ng    | 2030010  | 3                     | 10.85 | 910747 | 20.0 |
| Undecane, 4,8-dim... | 10.55 | 59.4    | ng    | 2706920  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 2,3,... | 11.11 | 84.8    | ng    | 3860350  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 1,6,... | 11.15 | 66.6    | ng    | 3031090  | 3                     | 10.85 | 910747 | 20.0 |
| Naphthalene, 1,4,... | 11.36 | 82.5    | ng    | 3759080  | 3                     | 10.85 | 910747 | 20.0 |
| Hexadecane           | 11.44 | 111.8   | ng    | 5092960  | 3                     | 10.85 | 910747 | 20.0 |
| Heptacosane          | 11.71 | 95.1    | ng    | 4329630  | 3                     | 10.85 | 910747 | 20.0 |
| Heneicosane          | 12.03 | 179.5   | ng    | 8311330  | 4                     | 12.69 | 926241 | 20.0 |
| Decane, 2,4-dimet... | 12.26 | 56.0    | ng    | 2593660  | 4                     | 12.69 | 926241 | 20.0 |
| Dodecane, 1-iodo-    | 12.59 | 107.7   | ng    | 4987950  | 4                     | 12.69 | 926241 | 20.0 |
| Heptadecane, 2,6,... | 12.63 | 68.5    | ng    | 3174610  | 4                     | 12.69 | 926241 | 20.0 |
| 2-Bromo dodecane     | 13.12 | 109.3   | ng    | 5060860  | 4                     | 12.69 | 926241 | 20.0 |
| Phenanthrene, 2-m... | 13.44 | 60.4    | ng    | 2795400  | 4                     | 12.69 | 926241 | 20.0 |
| Eicosane             | 13.63 | 88.2    | ng    | 4084560  | 4                     | 12.69 | 926241 | 20.0 |
| 9-Octadecenoic ac... | 14.13 | 195.8   | ng    | 9065720  | 4                     | 12.69 | 926241 | 20.0 |
| Squalene             | 17.14 | 67.8    | ng    | 2449790  | 6                     | 17.73 | 722132 | 20.0 |