

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
 Data File : BF099011.D  
 Acq On : 2 Oct 2017 20:33  
 Operator : SJ/JU  
 Sample : I5531-17  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-64-0-1.5

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.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         | 5.128       | 513           | 517         | 524          | rVV      | 566930         | 742598        | 24.17%          | 0.979%        |
| 2         | 5.528       | 574           | 585         | 588          | rBV      | 2761667        | 2981168       | 97.02%          | 3.932%        |
| 3         | 6.157       | 686           | 692         | 698          | rBV4     | 100594         | 193250        | 6.29%           | 0.255%        |
| 4         | 6.534       | 749           | 756         | 759          | rVV      | 2472085        | 2857240       | 92.98%          | 3.768%        |
| 5         | 6.675       | 775           | 780         | 783          | rVV      | 2963099        | 2876697       | 93.62%          | 3.794%        |
| 6         | 6.728       | 786           | 789         | 793          | rBV      | 304289         | 276568        | 9.00%           | 0.365%        |
| 7         | 6.904       | 815           | 819         | 822          | rVV      | 1053291        | 881486        | 28.69%          | 1.162%        |
| 8         | 7.057       | 839           | 845         | 848          | rBV      | 2399184        | 2433599       | 79.20%          | 3.209%        |
| 9         | 7.216       | 867           | 872         | 880          | rVB3     | 120887         | 197350        | 6.42%           | 0.260%        |
| 10        | 7.434       | 903           | 909         | 910          | rBV      | 211065         | 214833        | 6.99%           | 0.283%        |
| 11        | 7.463       | 910           | 914         | 917          | rVV      | 1686266        | 1895437       | 61.68%          | 2.500%        |
| 12        | 7.922       | 989           | 992         | 994          | rVV2     | 265597         | 251614        | 8.19%           | 0.332%        |
| 13        | 8.157       | 1029          | 1032        | 1033         | rVV      | 342843         | 308786        | 10.05%          | 0.407%        |
| 14        | 8.187       | 1033          | 1037        | 1039         | rVV      | 1173039        | 1340937       | 43.64%          | 1.768%        |
| 15        | 8.204       | 1039          | 1040        | 1042         | rVV      | 734678         | 490305        | 15.96%          | 0.647%        |
| 16        | 8.234       | 1042          | 1045        | 1048         | rVB2     | 545989         | 518781        | 16.88%          | 0.684%        |
| 17        | 8.469       | 1081          | 1085        | 1090         | rVB5     | 284457         | 357536        | 11.64%          | 0.472%        |
| 18        | 8.563       | 1098          | 1101        | 1104         | rBV3     | 216875         | 246638        | 8.03%           | 0.325%        |
| 19        | 8.598       | 1104          | 1107        | 1109         | rBV      | 720809         | 586706        | 19.09%          | 0.774%        |
| 20        | 8.687       | 1119          | 1122        | 1125         | rBV3     | 234799         | 219630        | 7.15%           | 0.290%        |
| 21        | 8.769       | 1133          | 1136        | 1140         | rBV2     | 431933         | 393901        | 12.82%          | 0.519%        |
| 22        | 8.863       | 1150          | 1152        | 1155         | rVV2     | 174360         | 193277        | 6.29%           | 0.255%        |
| 23        | 8.898       | 1155          | 1158        | 1161         | rVB      | 1535655        | 1268932       | 41.29%          | 1.673%        |
| 24        | 8.957       | 1165          | 1168        | 1171         | rBV3     | 151901         | 196972        | 6.41%           | 0.260%        |
| 25        | 8.998       | 1171          | 1175        | 1178         | rBV      | 1139868        | 973219        | 31.67%          | 1.283%        |
| 26        | 9.086       | 1187          | 1190        | 1194         | rVB3     | 257099         | 264181        | 8.60%           | 0.348%        |
| 27        | 9.198       | 1207          | 1209        | 1212         | rBV      | 869452         | 639009        | 20.80%          | 0.843%        |
| 28        | 9.263       | 1215          | 1220        | 1224         | rVB      | 3171562        | 3072878       | 100.00%         | 4.052%        |
| 29        | 9.334       | 1229          | 1232        | 1235         | rBV      | 539049         | 615182        | 20.02%          | 0.811%        |
| 30        | 9.410       | 1243          | 1245        | 1247         | rVB2     | 230195         | 187135        | 6.09%           | 0.247%        |
| 31        | 9.457       | 1247          | 1253        | 1258         | rBV      | 513224         | 656245        | 21.36%          | 0.865%        |
| 32        | 9.528       | 1261          | 1265        | 1268         | rVV      | 1054095        | 1421914       | 46.27%          | 1.875%        |
| 33        | 9.598       | 1274          | 1277        | 1280         | rVV      | 1392059        | 1651085       | 53.73%          | 2.177%        |
| 34        | 9.628       | 1280          | 1282        | 1284         | rVV      | 1131281        | 940494        | 30.61%          | 1.240%        |

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 BNA\_F  
 ClientSampleId :  
 G-64-0-1.5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.651  | 1284 | 1286 | 1290 | rVV3 | 1670232 | 1709012 | 55.62% | 2.254% |
| 36 | 9.716  | 1294 | 1297 | 1299 | rBV  | 702937  | 653176  | 21.26% | 0.861% |
| 37 | 9.804  | 1309 | 1312 | 1315 | rVB2 | 653471  | 592912  | 19.30% | 0.782% |
| 38 | 9.863  | 1315 | 1322 | 1326 | rBV2 | 453249  | 734388  | 23.90% | 0.968% |
| 39 | 9.922  | 1326 | 1332 | 1333 | rBV3 | 431837  | 521296  | 16.96% | 0.687% |
| 40 | 9.945  | 1333 | 1336 | 1338 | rVV  | 947268  | 973616  | 31.68% | 1.284% |
| 41 | 9.975  | 1339 | 1341 | 1344 | rVV4 | 374574  | 370377  | 12.05% | 0.488% |
| 42 | 10.004 | 1344 | 1346 | 1349 | rVB3 | 236808  | 226932  | 7.38%  | 0.299% |
| 43 | 10.045 | 1349 | 1353 | 1357 | rBV  | 596537  | 794858  | 25.87% | 1.048% |
| 44 | 10.086 | 1357 | 1360 | 1364 | rBV4 | 291267  | 409740  | 13.33% | 0.540% |
| 45 | 10.145 | 1364 | 1370 | 1373 | rVB3 | 998845  | 1227894 | 39.96% | 1.619% |
| 46 | 10.181 | 1373 | 1376 | 1386 | rVB3 | 929933  | 1287273 | 41.89% | 1.698% |
| 47 | 10.257 | 1386 | 1389 | 1391 | rBV  | 688835  | 652219  | 21.23% | 0.860% |
| 48 | 10.286 | 1391 | 1394 | 1396 | rVV  | 564763  | 421185  | 13.71% | 0.555% |
| 49 | 10.351 | 1400 | 1405 | 1406 | rBV3 | 595298  | 813657  | 26.48% | 1.073% |
| 50 | 10.363 | 1406 | 1407 | 1410 | rVB  | 734526  | 431382  | 14.04% | 0.569% |
| 51 | 10.398 | 1410 | 1413 | 1415 | rBV2 | 168601  | 193873  | 6.31%  | 0.256% |
| 52 | 10.481 | 1422 | 1427 | 1430 | rBV3 | 444746  | 621785  | 20.23% | 0.820% |
| 53 | 10.581 | 1441 | 1444 | 1450 | rVB2 | 1046381 | 1304790 | 42.46% | 1.721% |
| 54 | 10.645 | 1450 | 1455 | 1459 | rVB4 | 262435  | 458620  | 14.92% | 0.605% |
| 55 | 10.704 | 1463 | 1465 | 1467 | rVV2 | 259134  | 231452  | 7.53%  | 0.305% |
| 56 | 10.733 | 1467 | 1470 | 1473 | rVV  | 1248779 | 1269632 | 41.32% | 1.674% |
| 57 | 10.763 | 1473 | 1475 | 1480 | rVB3 | 243937  | 323018  | 10.51% | 0.426% |
| 58 | 10.851 | 1485 | 1490 | 1493 | rBV  | 2099320 | 2326253 | 75.70% | 3.068% |
| 59 | 11.028 | 1517 | 1520 | 1523 | rBV4 | 202660  | 262393  | 8.54%  | 0.346% |
| 60 | 11.069 | 1524 | 1527 | 1529 | rVB2 | 316820  | 325321  | 10.59% | 0.429% |
| 61 | 11.180 | 1540 | 1546 | 1552 | rBV7 | 287123  | 687577  | 22.38% | 0.907% |
| 62 | 11.233 | 1552 | 1555 | 1558 | rVV  | 446667  | 429138  | 13.97% | 0.566% |
| 63 | 11.280 | 1560 | 1563 | 1566 | rVV2 | 516643  | 632086  | 20.57% | 0.834% |
| 64 | 11.316 | 1566 | 1569 | 1575 | rVB2 | 880478  | 1114351 | 36.26% | 1.470% |
| 65 | 11.433 | 1585 | 1589 | 1591 | rBV  | 850340  | 971196  | 31.61% | 1.281% |
| 66 | 11.457 | 1591 | 1593 | 1596 | rVV  | 1522340 | 1223655 | 39.82% | 1.614% |
| 67 | 11.504 | 1599 | 1601 | 1604 | rVB  | 338980  | 243006  | 7.91%  | 0.320% |
| 68 | 11.663 | 1625 | 1628 | 1631 | rBV2 | 311203  | 317061  | 10.32% | 0.418% |
| 69 | 11.710 | 1634 | 1636 | 1640 | rVV2 | 432717  | 337323  | 10.98% | 0.445% |
| 70 | 11.763 | 1642 | 1645 | 1650 | rVB2 | 250231  | 316845  | 10.31% | 0.418% |
| 71 | 11.933 | 1671 | 1674 | 1676 | rBV  | 404612  | 377089  | 12.27% | 0.497% |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-64-0-1.5

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

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 11.963 | 1676 | 1679 | 1681 | rVV  | 597556  | 552878  | 17.99% | 0.729% |
| 73  | 12.039 | 1689 | 1692 | 1695 | rVV2 | 463920  | 486089  | 15.82% | 0.641% |
| 74  | 12.069 | 1695 | 1697 | 1699 | rVB  | 273196  | 214026  | 6.97%  | 0.282% |
| 75  | 12.116 | 1703 | 1705 | 1708 | rBV  | 337368  | 292031  | 9.50%  | 0.385% |
| 76  | 12.227 | 1721 | 1724 | 1726 | rBV  | 289254  | 242329  | 7.89%  | 0.320% |
| 77  | 12.251 | 1726 | 1728 | 1734 | rVB2 | 226103  | 230427  | 7.50%  | 0.304% |
| 78  | 12.410 | 1752 | 1755 | 1757 | rVV2 | 209878  | 243781  | 7.93%  | 0.321% |
| 79  | 12.486 | 1764 | 1768 | 1770 | rVV2 | 408258  | 483772  | 15.74% | 0.638% |
| 80  | 12.504 | 1770 | 1771 | 1775 | rVV2 | 336742  | 357452  | 11.63% | 0.471% |
| 81  | 12.569 | 1779 | 1782 | 1786 | rVB  | 271718  | 276265  | 8.99%  | 0.364% |
| 82  | 12.651 | 1792 | 1796 | 1799 | rVB  | 1675922 | 1527468 | 49.71% | 2.014% |
| 83  | 12.857 | 1828 | 1831 | 1832 | rVV  | 295881  | 248314  | 8.08%  | 0.327% |
| 84  | 12.880 | 1832 | 1835 | 1840 | rVV2 | 1475906 | 1925811 | 62.67% | 2.540% |
| 85  | 12.927 | 1840 | 1843 | 1847 | rVB2 | 224444  | 262562  | 8.54%  | 0.346% |
| 86  | 13.016 | 1854 | 1858 | 1861 | rVB  | 2059638 | 1750297 | 56.96% | 2.308% |
| 87  | 13.086 | 1867 | 1870 | 1877 | rBV6 | 181735  | 343910  | 11.19% | 0.454% |
| 88  | 13.174 | 1882 | 1885 | 1887 | rBV2 | 153349  | 190046  | 6.18%  | 0.251% |
| 89  | 13.233 | 1892 | 1895 | 1899 | rBV2 | 220365  | 216576  | 7.05%  | 0.286% |
| 90  | 13.710 | 1973 | 1976 | 1980 | rVB  | 355762  | 336073  | 10.94% | 0.443% |
| 91  | 13.821 | 1992 | 1995 | 1998 | rVB2 | 171783  | 183918  | 5.99%  | 0.243% |
| 92  | 14.069 | 2033 | 2037 | 2041 | rVV2 | 1048962 | 1862739 | 60.62% | 2.457% |
| 93  | 14.098 | 2041 | 2042 | 2050 | rVB  | 812681  | 800179  | 26.04% | 1.055% |
| 94  | 14.498 | 2107 | 2110 | 2112 | rBV2 | 179791  | 197552  | 6.43%  | 0.261% |
| 95  | 14.527 | 2112 | 2115 | 2121 | rVB4 | 198026  | 264322  | 8.60%  | 0.349% |
| 96  | 15.133 | 2213 | 2218 | 2221 | rBV  | 995546  | 1543254 | 50.22% | 2.035% |
| 97  | 15.445 | 2267 | 2271 | 2277 | rVB  | 652438  | 838426  | 27.28% | 1.106% |
| 98  | 15.510 | 2278 | 2282 | 2287 | rVB  | 508240  | 608768  | 19.81% | 0.803% |
| 99  | 15.568 | 2288 | 2292 | 2296 | rBV  | 578747  | 806498  | 26.25% | 1.064% |
| 100 | 17.086 | 2545 | 2550 | 2556 | rVB2 | 230282  | 409992  | 13.34% | 0.541% |

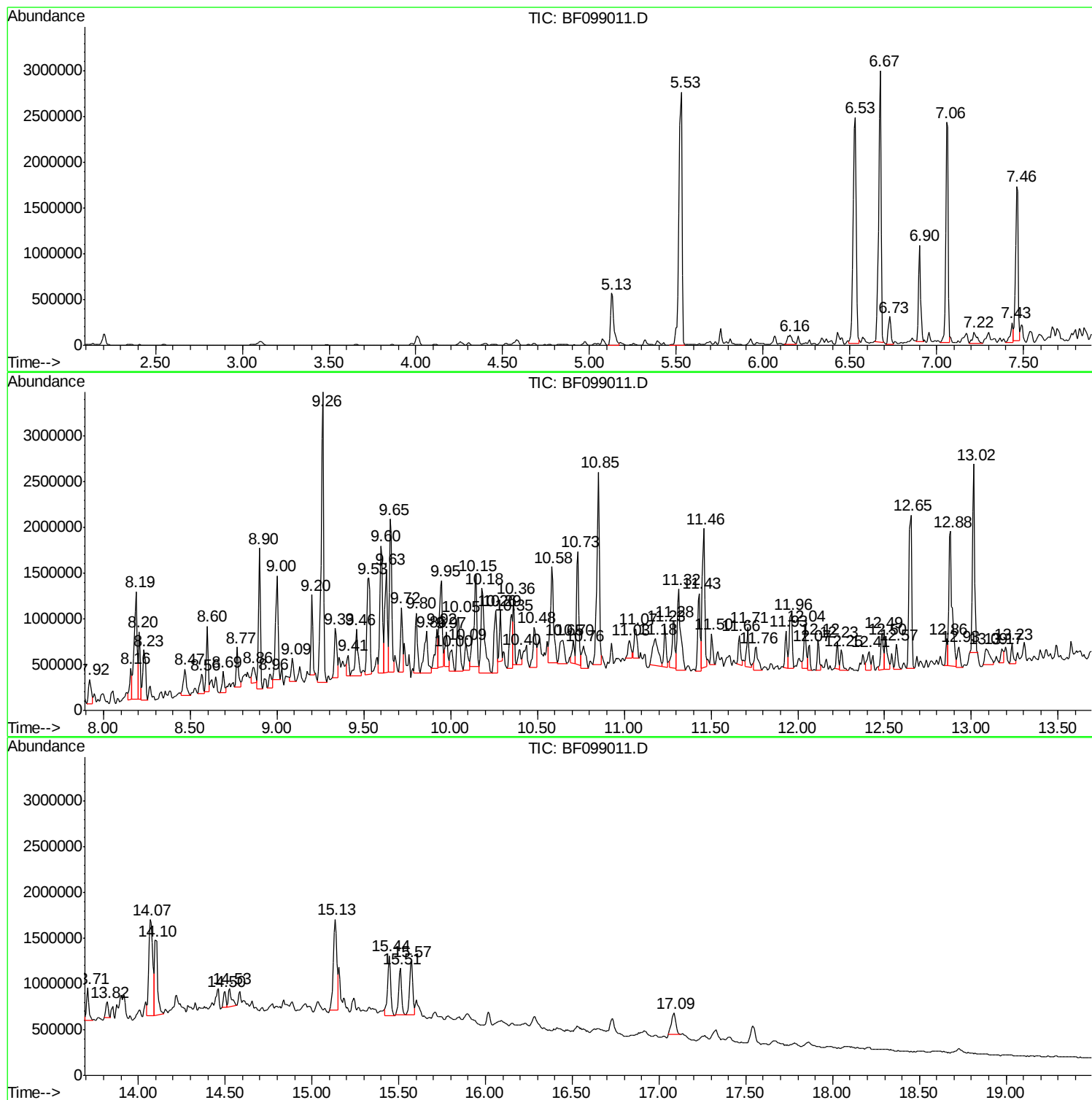
Sum of corrected areas: 75827719

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Instrument :  
BNA\_F  
ClientSampled :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

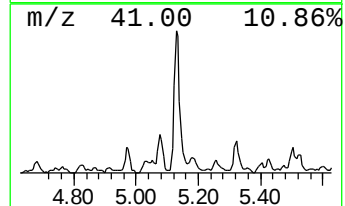
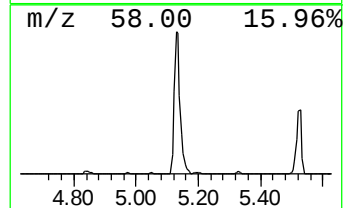
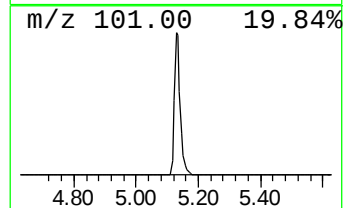
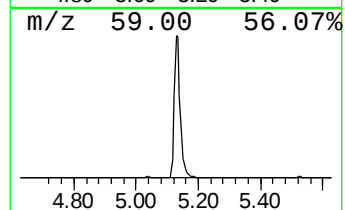
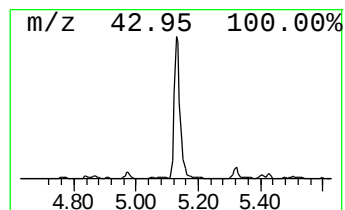
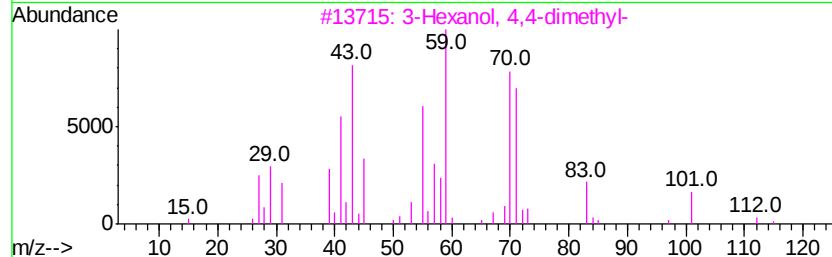
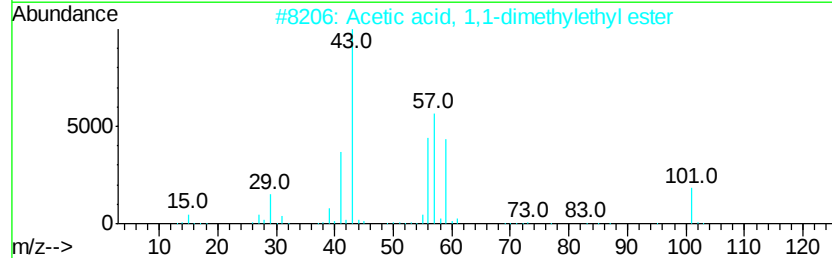
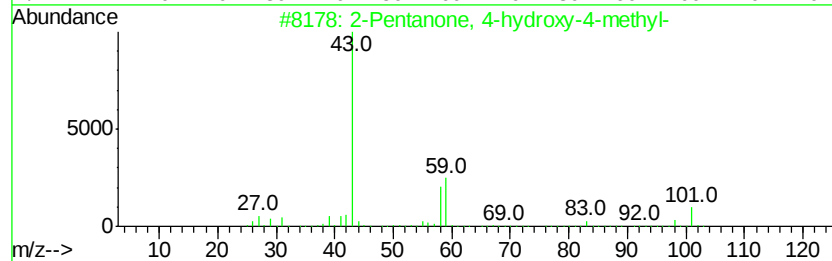
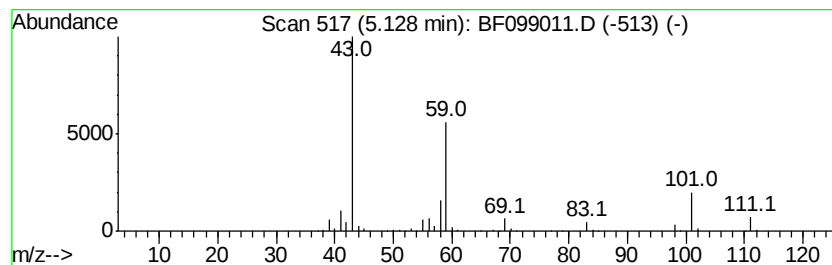
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.13 | 16.85 ng | 742598 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    |   | 3-Hexanol, 4,4-dimethyl-            | 130 | C8H18O  | 019550-09-5 | 37   |
| 4    |    |   | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2 | 000115-22-0 | 25   |
| 5    |    |   | 2-Octanol, 2,6-dimethyl-            | 158 | C10H22O | 018479-57-7 | 23   |



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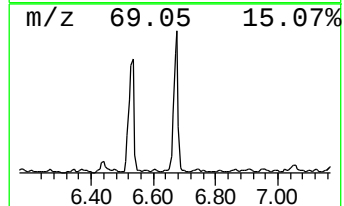
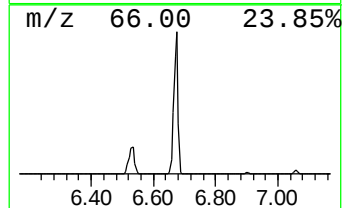
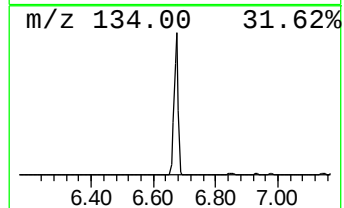
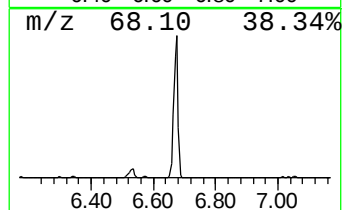
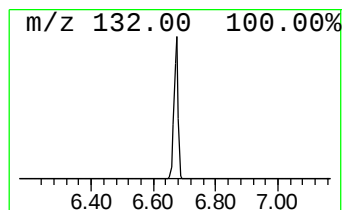
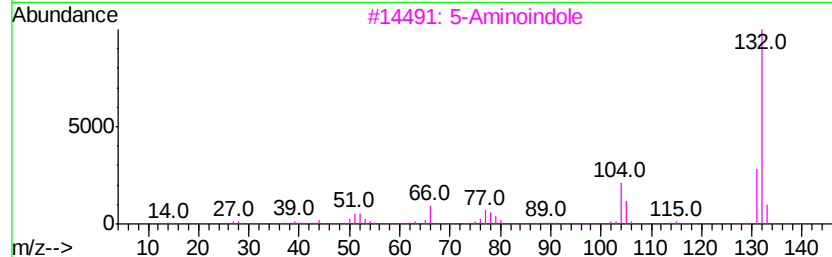
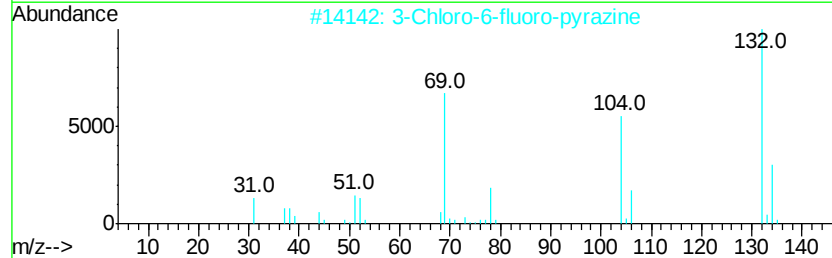
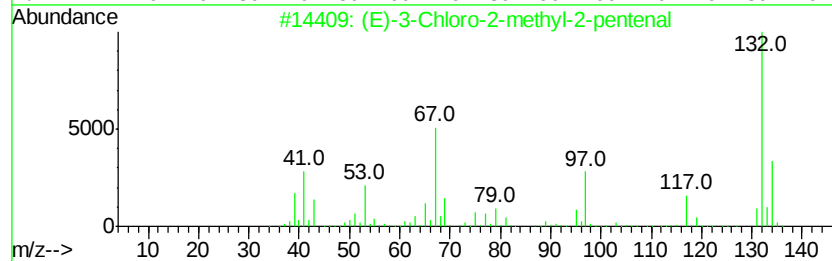
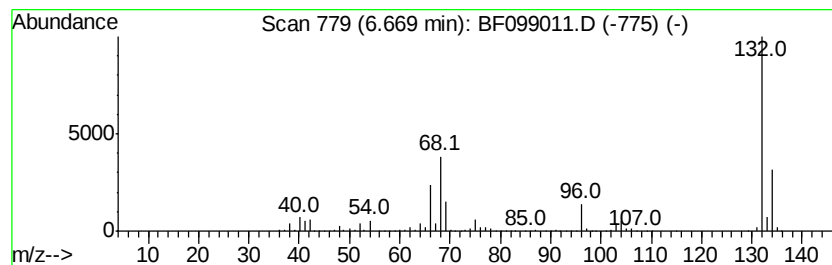
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.67 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.67 | 65.27 ng | 2876700 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 38   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

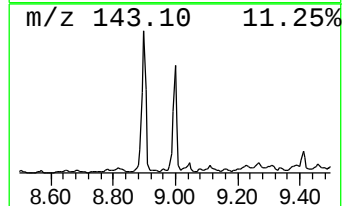
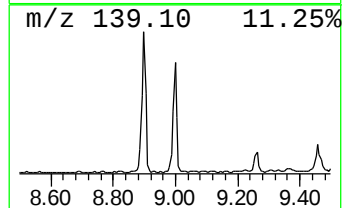
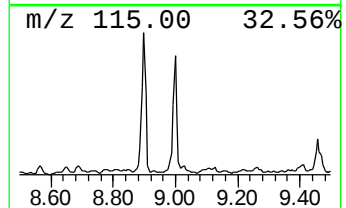
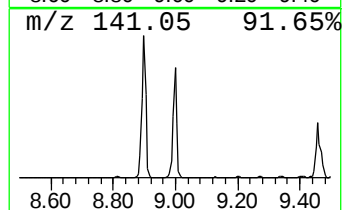
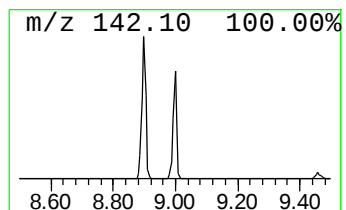
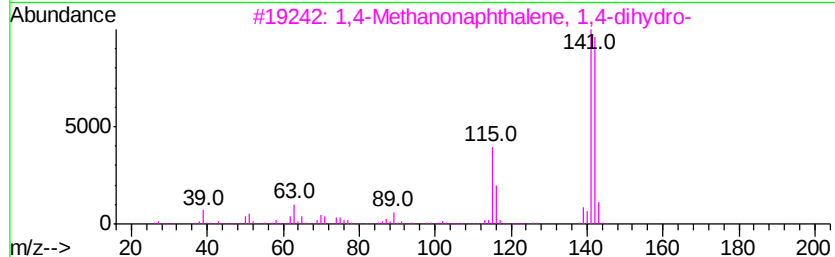
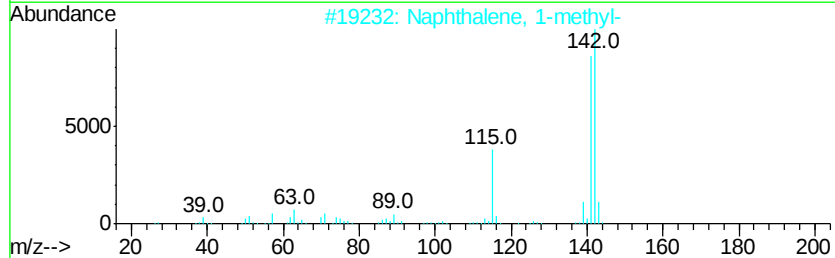
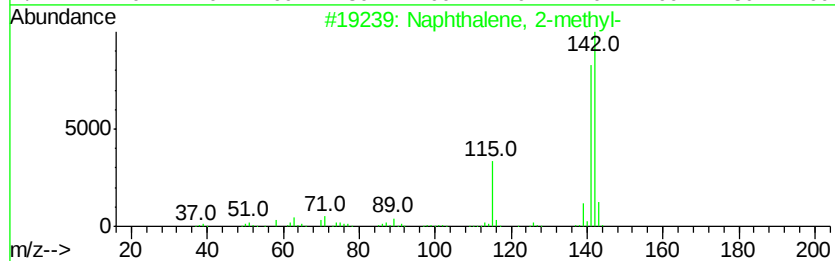
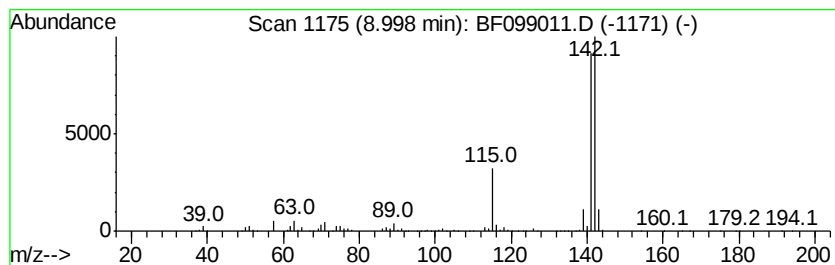
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 13

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.00 | 14.52 ng | 973219 | Naphthalene-d8   | 8.19 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

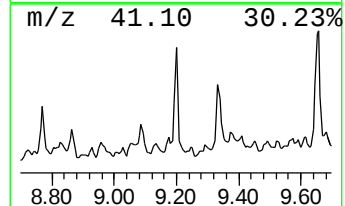
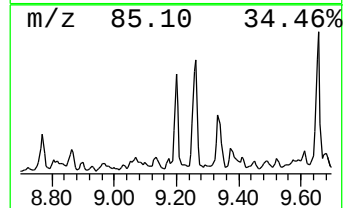
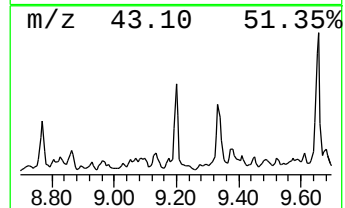
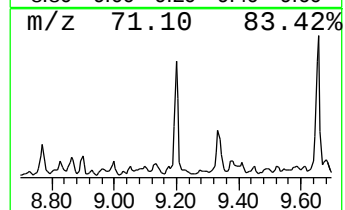
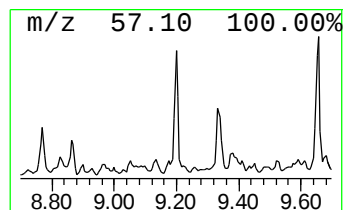
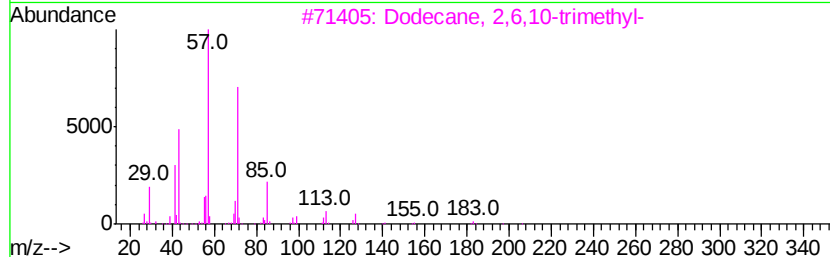
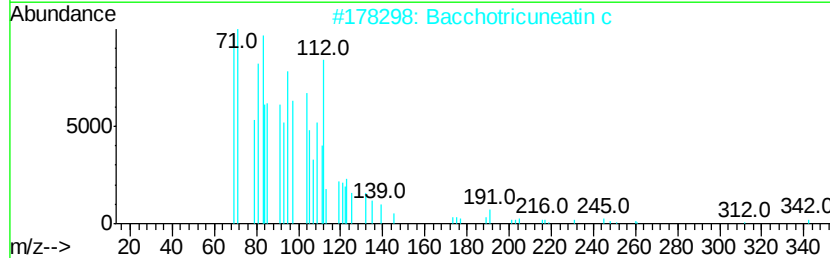
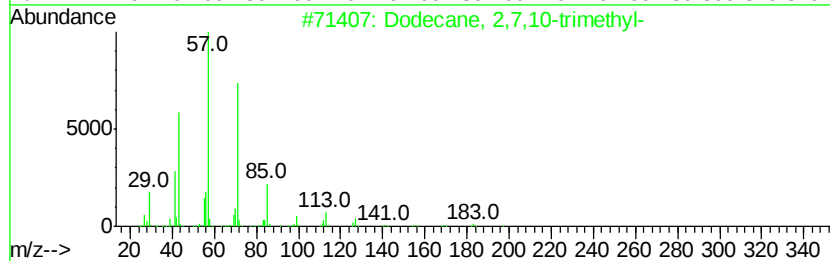
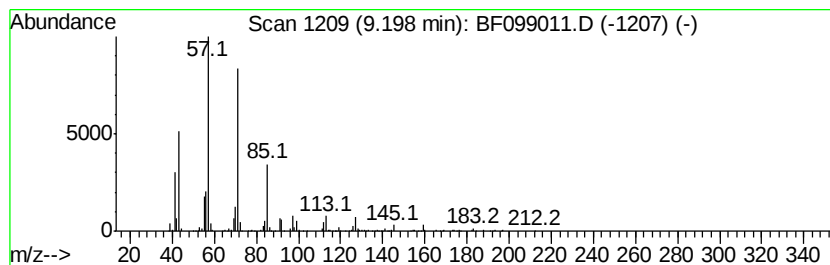
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.20 | 13.13 ng | 639009 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------|-----|----------|-------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl- | 212 | C15H32   | 074645-98-0 | 91   |
| 2    |    | Bacchotricuneatin c         | 342 | C20H22O5 | 066563-30-2 | 72   |
| 3    |    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32   | 003891-98-3 | 72   |
| 4    |    | Undecane, 6,6-dimethyl-     | 184 | C13H28   | 017312-76-4 | 53   |
| 5    |    | Nonane, 5-methyl-5-propyl-  | 184 | C13H28   | 017312-75-3 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

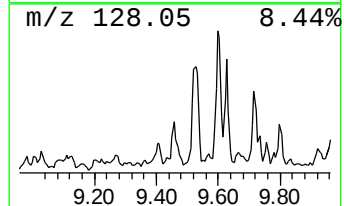
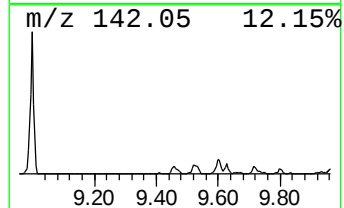
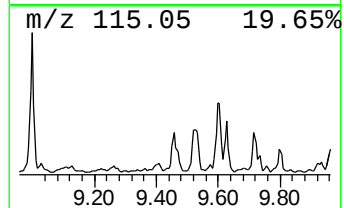
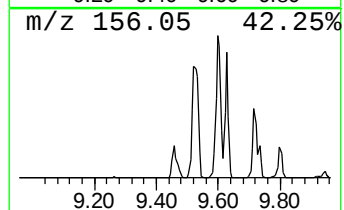
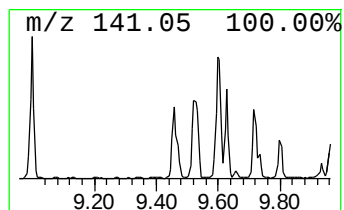
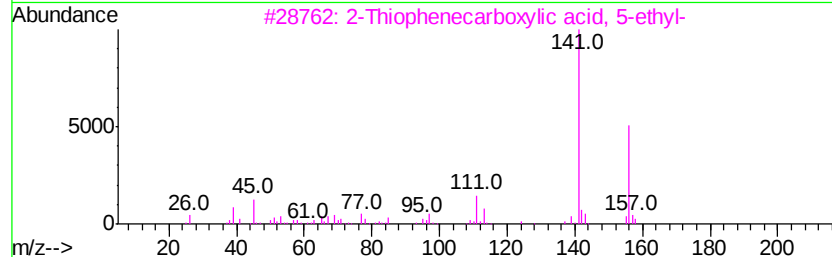
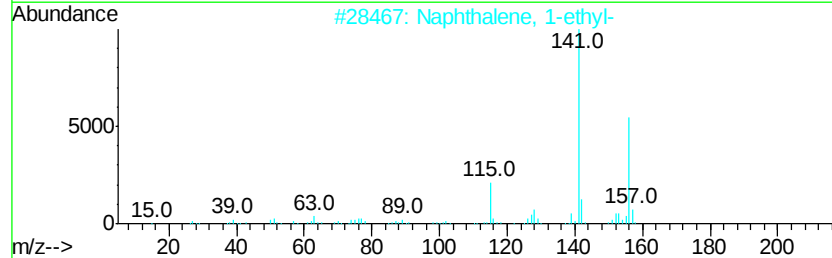
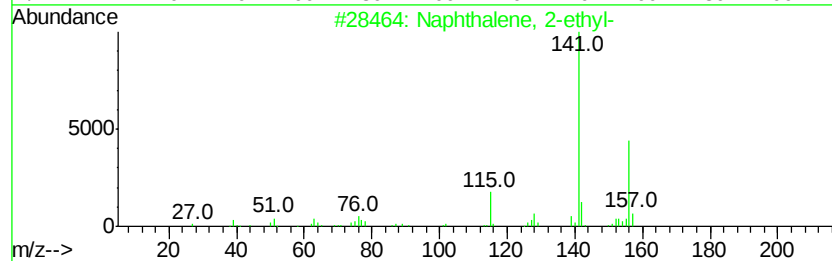
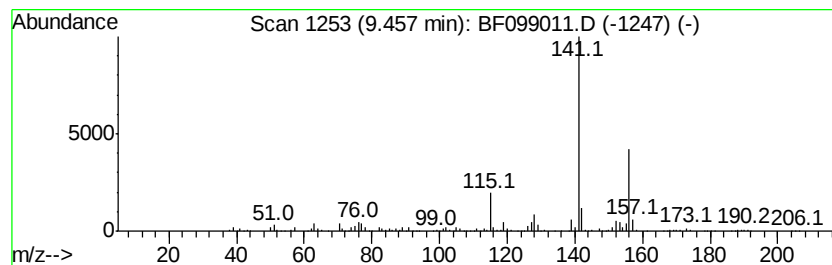
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Naphthalene, 2-ethyl- Concentration Rank 15

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.46 | 13.48 ng | 656245 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Naphthalene, 2-ethyl-                | 156 | C12H12     | 000939-27-5 | 97   |
| 2    |    | Naphthalene, 1-ethyl-                | 156 | C12H12     | 001127-76-0 | 96   |
| 3    |    | 2-Thiophenecarboxylic acid, 5-ethyl- | 156 | C7H8O2S    | 023229-72-3 | 72   |
| 4    |    | 5-Acetyl-2-amino-4-methylthiazole    | 156 | C6H8N2OS   | 030748-47-1 | 59   |
| 5    |    | Butethal                             | 212 | C10H16N2O3 | 000077-28-1 | 59   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

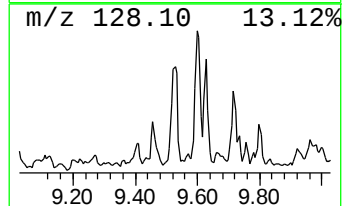
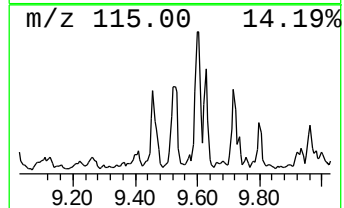
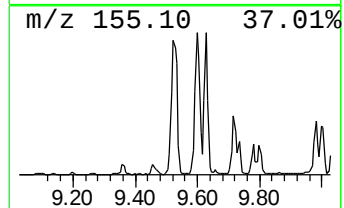
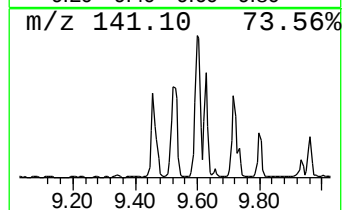
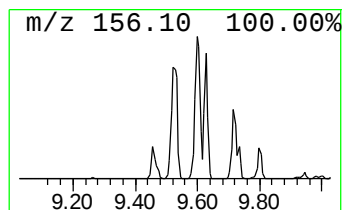
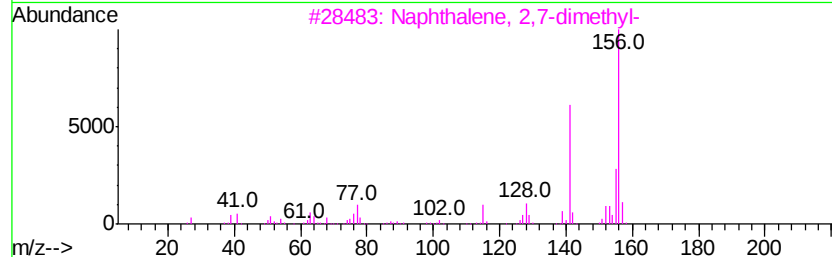
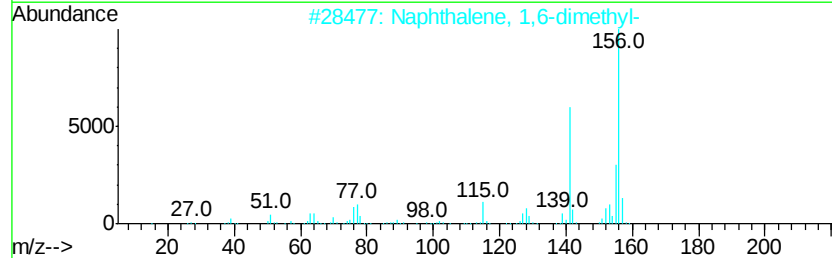
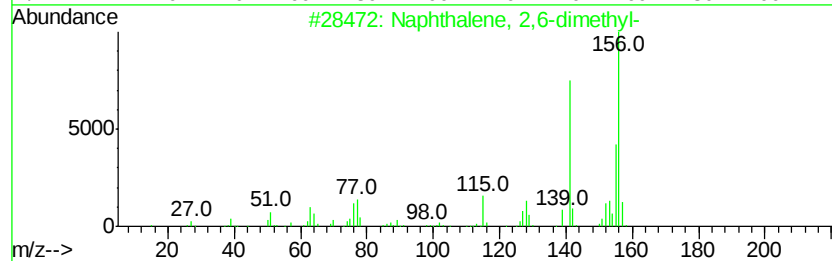
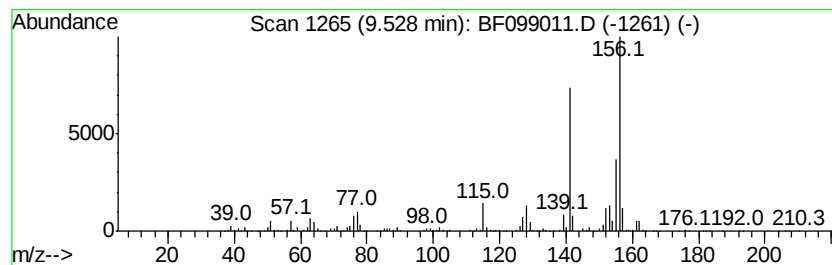
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.53 | 29.21 ng | 1421910 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 98   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 5    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

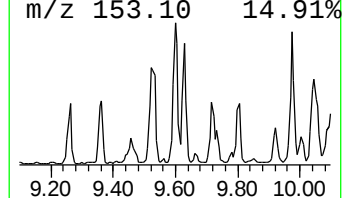
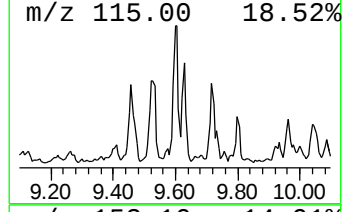
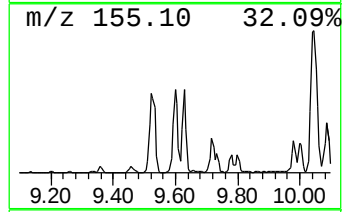
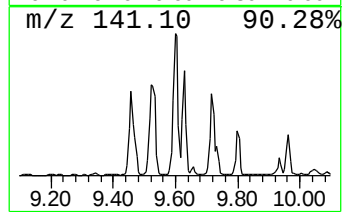
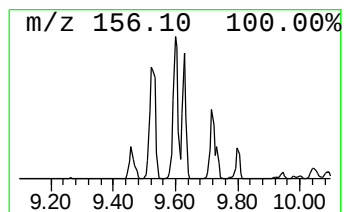
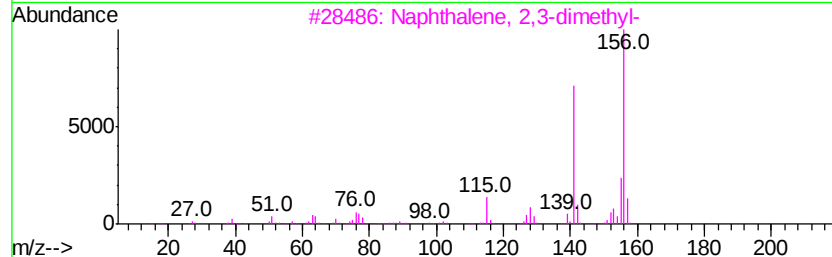
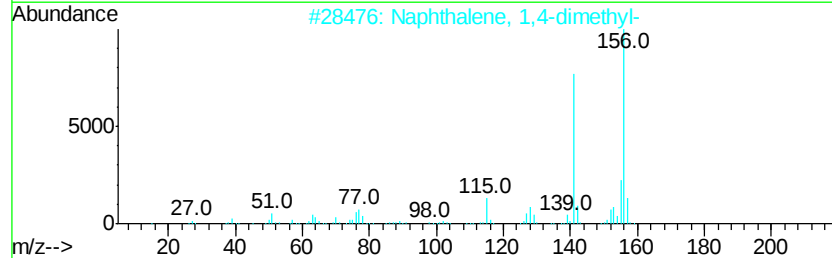
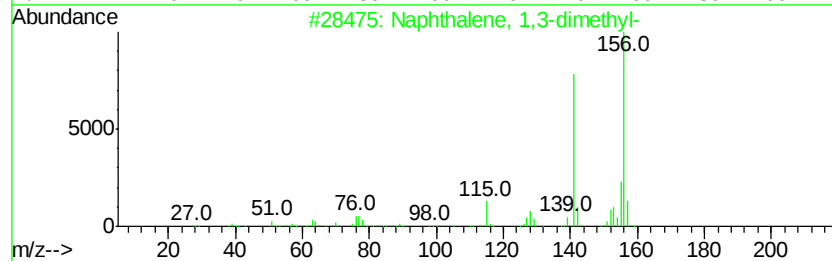
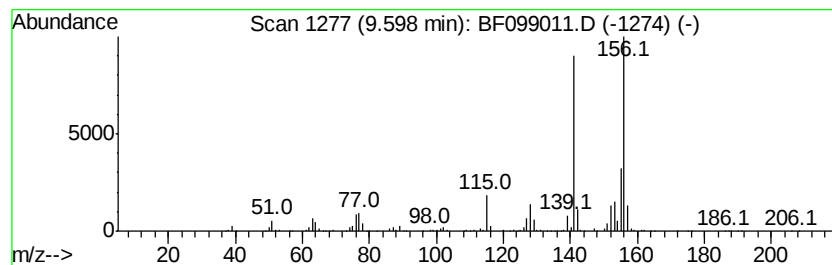
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.60 | 33.92 ng | 1651090 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 5    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

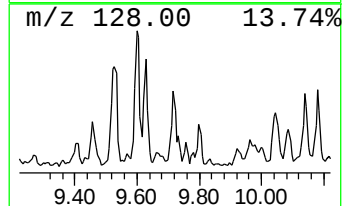
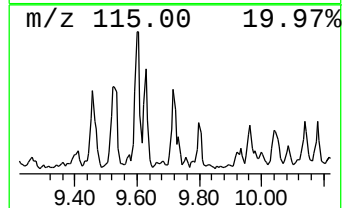
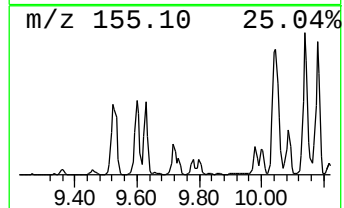
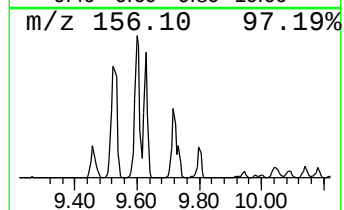
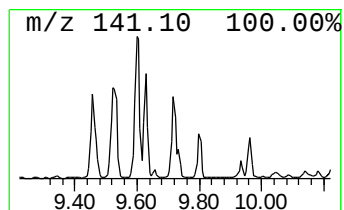
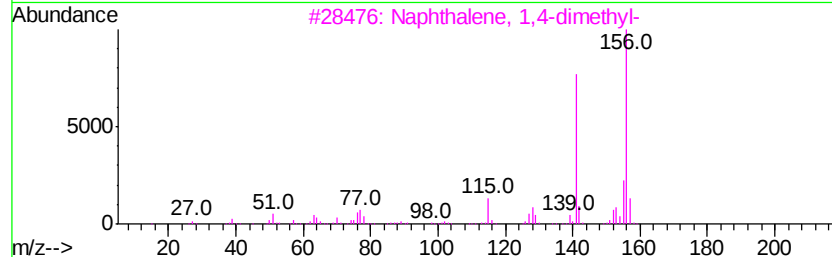
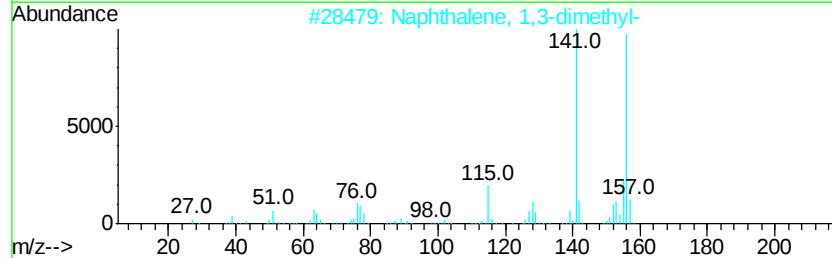
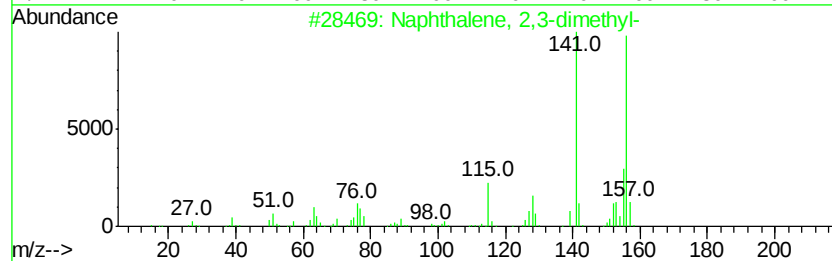
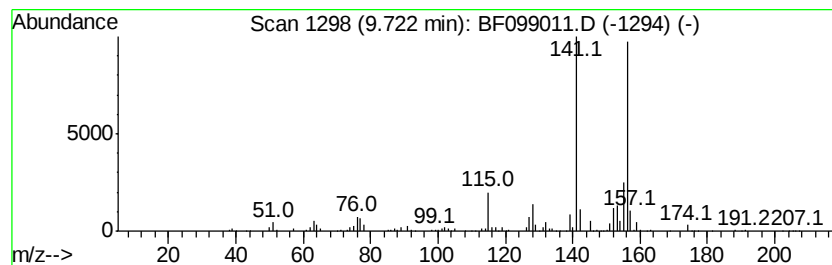
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 16

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.72 | 13.42 ng | 653176 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 3    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 4    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 5    |    | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

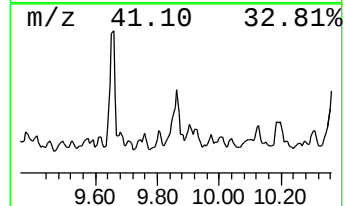
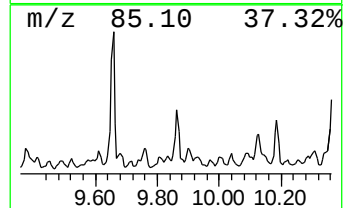
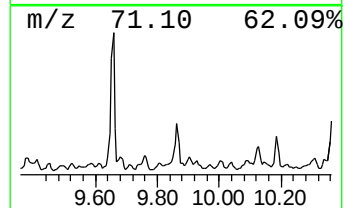
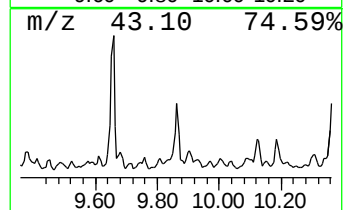
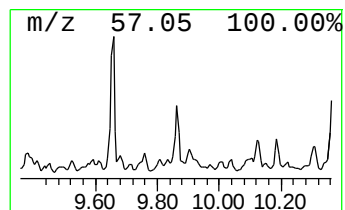
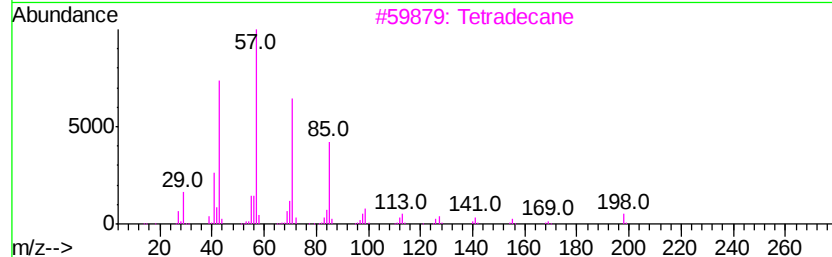
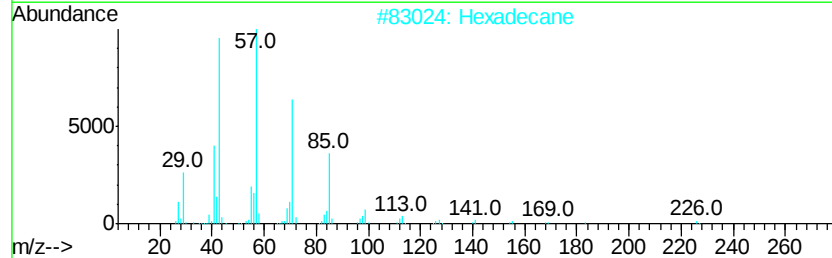
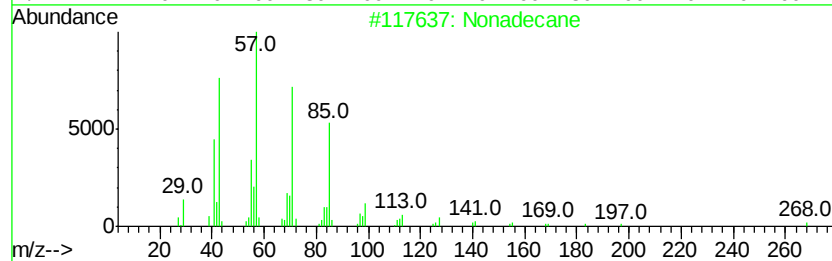
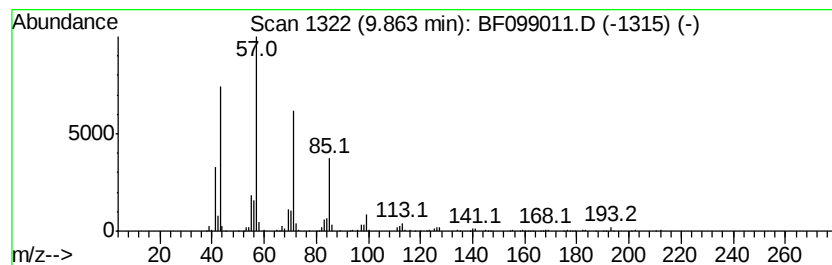
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Nonadecane Concentration Rank 12

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.86 | 15.09 ng | 734388 | Acenaphthene-d10 | 9.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 86   |
| 2    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 80   |
| 5    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 80   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

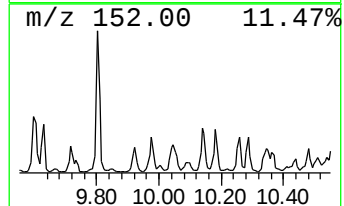
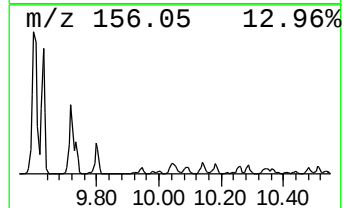
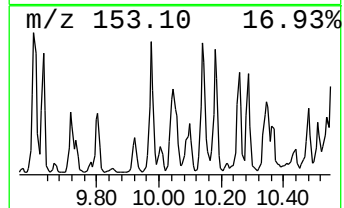
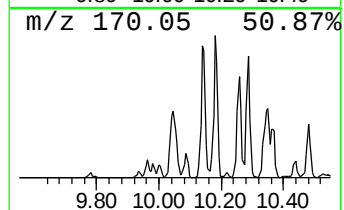
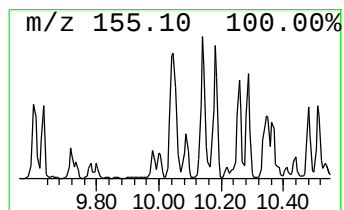
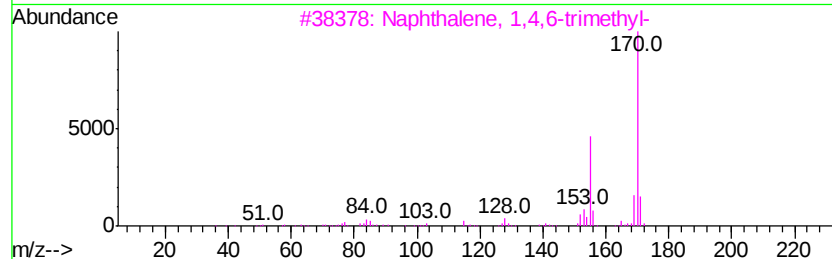
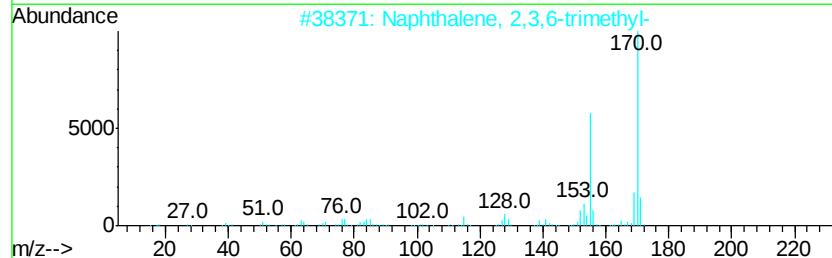
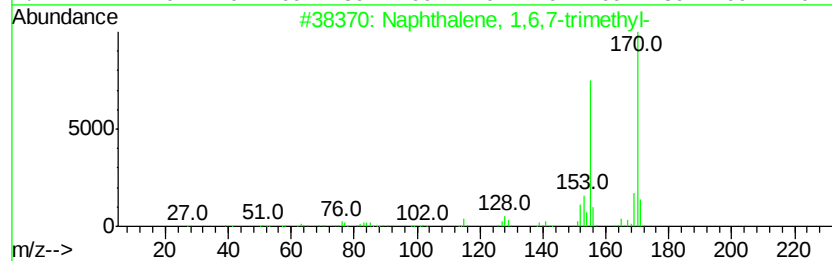
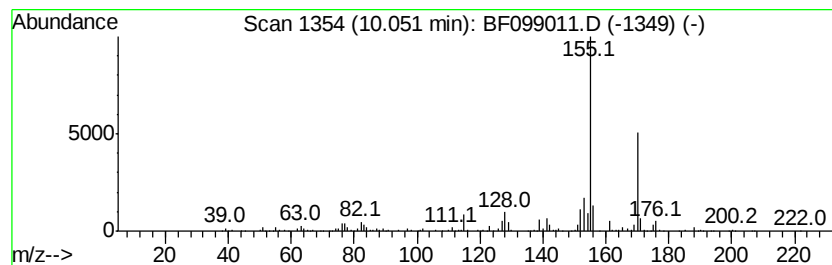
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ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

| R.T.      | EstConc                         | Area   | Relative to ISTD |             | R.T. |
|-----------|---------------------------------|--------|------------------|-------------|------|
| 10.05     | 16.33 ng                        | 794858 | Acenaphthene-d10 |             | 9.95 |
| Hit# of 5 | Tentative ID                    | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl-   | 170    | C13H14           | 002245-38-7 | 94   |
| 2         | Naphthalene, 2,3,6-trimethyl-   | 170    | C13H14           | 000829-26-5 | 94   |
| 3         | Naphthalene, 1,4,6-trimethyl-   | 170    | C13H14           | 002131-42-2 | 91   |
| 4         | Naphthalene, 2-(1-methylethyl)- | 170    | C13H14           | 002027-17-0 | 91   |
| 5         | 2-Naphthyl methyl ketone        | 170    | C12H10O          | 000093-08-3 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

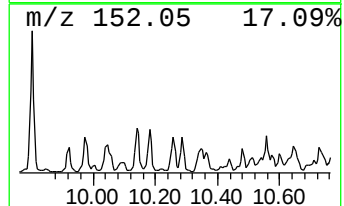
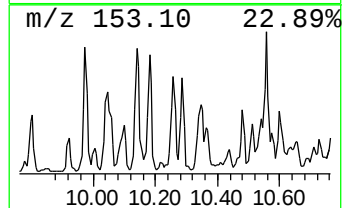
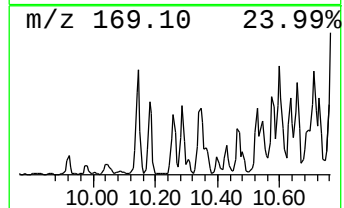
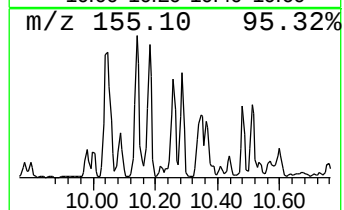
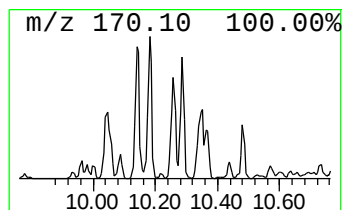
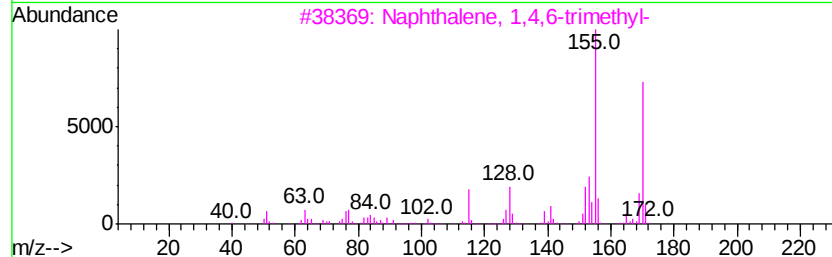
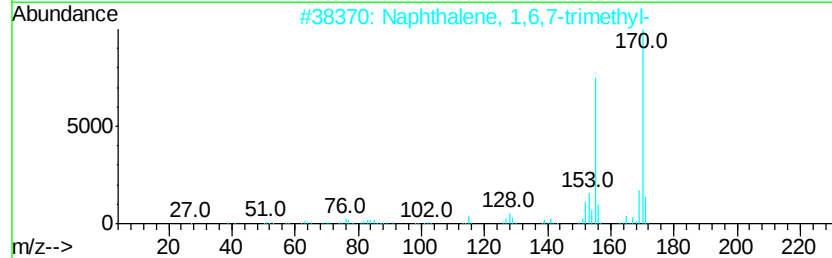
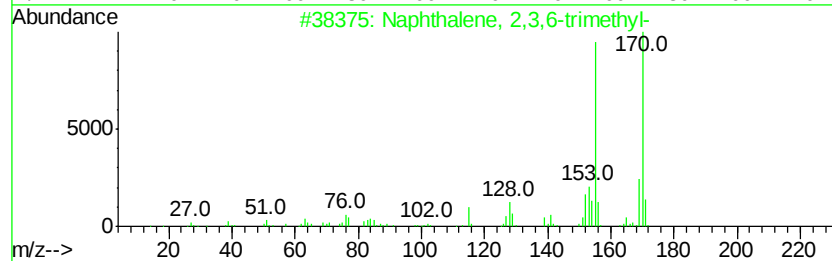
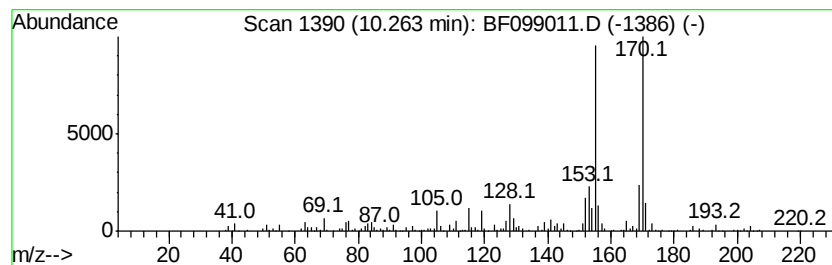
Instrument :  
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ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD              |     | R.T.    |             |      |
|-------|----------|--------|-------------------------------|-----|---------|-------------|------|
| 10.26 | 13.40 ng | 652219 | Acenaphthene-d10              |     | 9.95    |             |      |
| Hit#  | of       | 5      | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
| 1     |          |        | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 98   |
| 2     |          |        | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 97   |
| 3     |          |        | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 4     |          |        | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |
| 5     |          |        | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

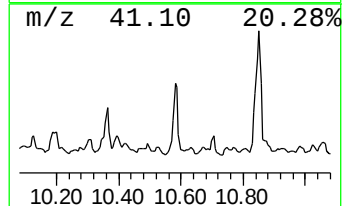
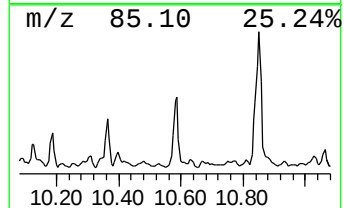
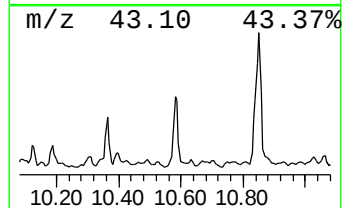
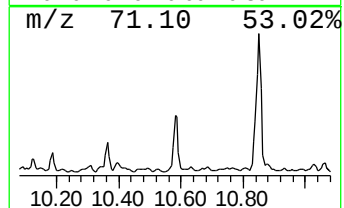
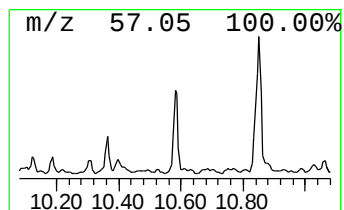
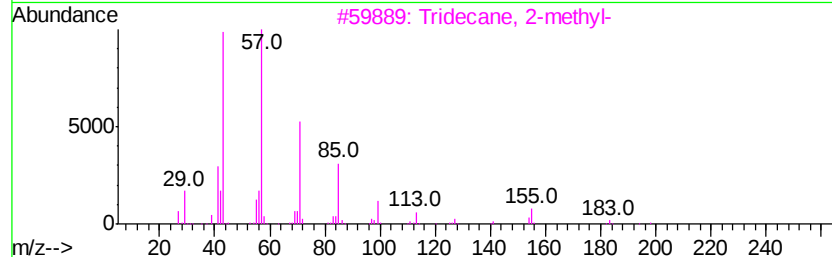
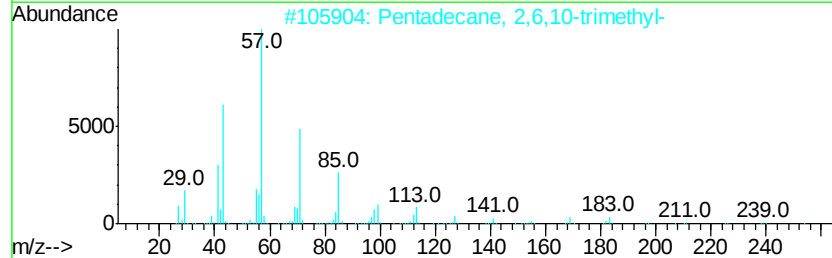
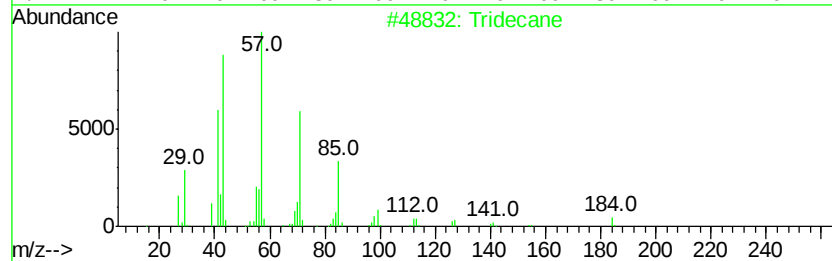
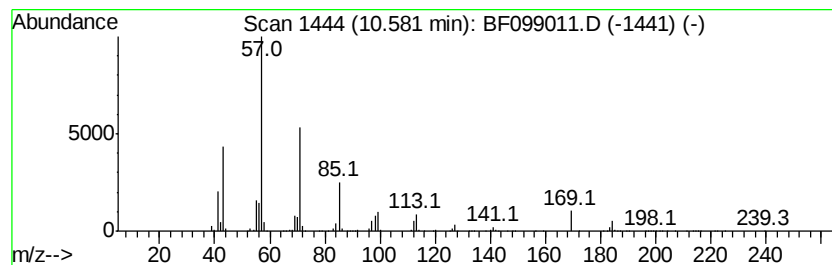
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ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 14 Tridecane Concentration Rank 6

| R.T.    | EstConc                        | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------------|--------------|------------------|-----------|
| 10.58   | 26.80 ng                       | 1304790      | Acenaphthene-d10 | 9.95      |
| Hit# of | 5                              | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Tridecane                      | 184 C13H28   | 000629-50-5      | 86        |
| 2       | Pentadecane, 2,6,10-trimethyl- | 254 C18H38   | 003892-00-0      | 86        |
| 3       | Tridecane, 2-methyl-           | 198 C14H30   | 001560-96-9      | 81        |
| 4       | Heptacosane                    | 380 C27H56   | 000593-49-7      | 80        |
| 5       | Eicosane                       | 282 C20H42   | 000112-95-8      | 72        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

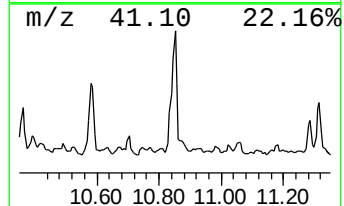
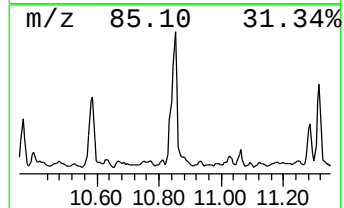
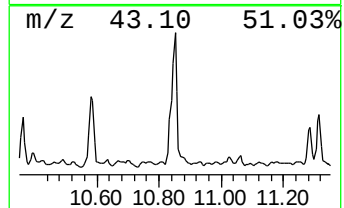
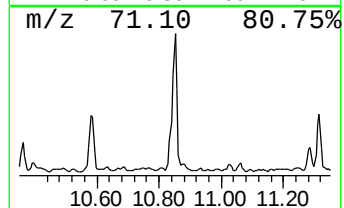
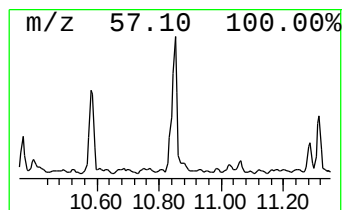
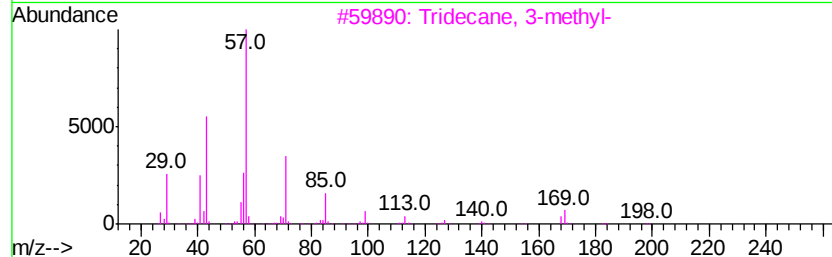
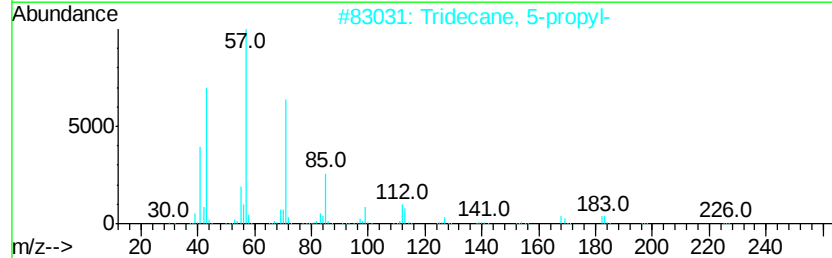
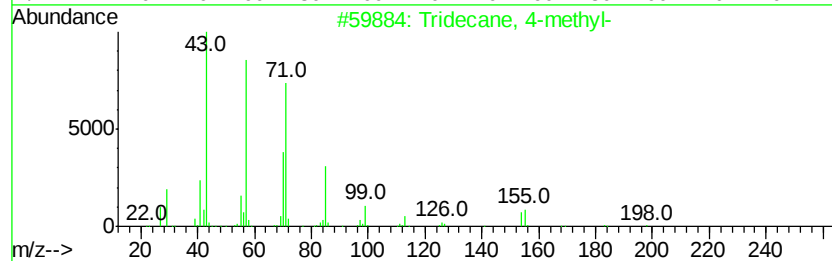
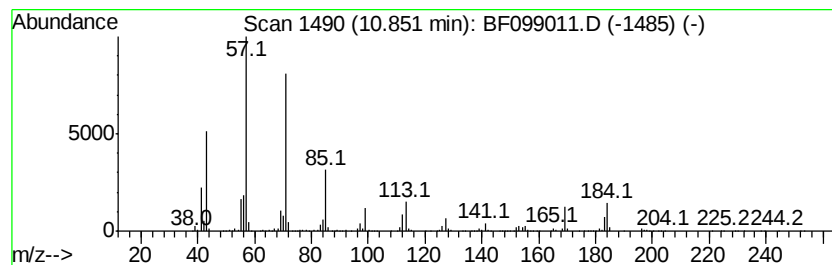
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Tridecane, 4-methyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.85 | 47.90 ng | 2326250 | Phenanthrene-d10 | 11.43 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 4-methyl-        | 198 | C14H30  | 026730-12-1 | 81   |
| 2    |    | Tridecane, 5-propyl-        | 226 | C16H34  | 055045-11-9 | 80   |
| 3    |    | Tridecane, 3-methyl-        | 198 | C14H30  | 006418-41-3 | 76   |
| 4    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 64   |
| 5    |    | Octadecane, 2,6-dimethyl-   | 282 | C20H42  | 075163-97-2 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

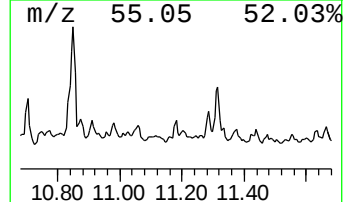
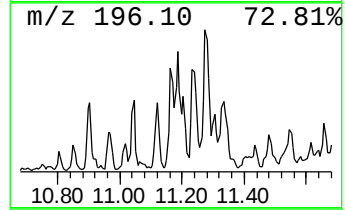
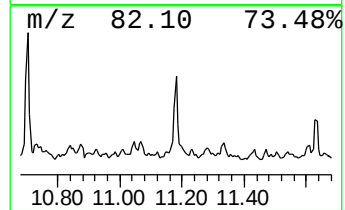
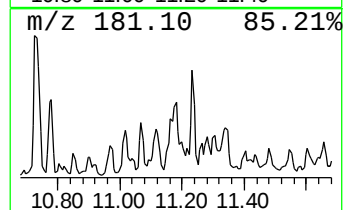
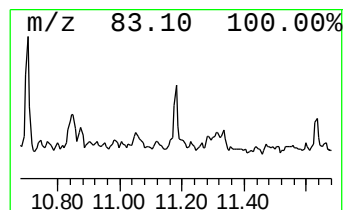
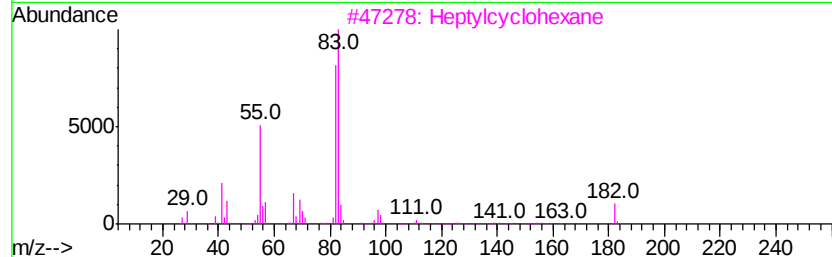
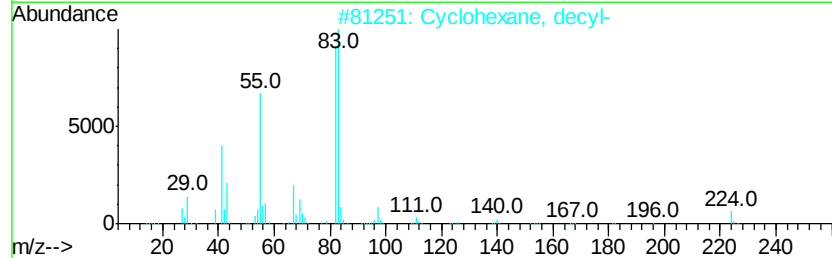
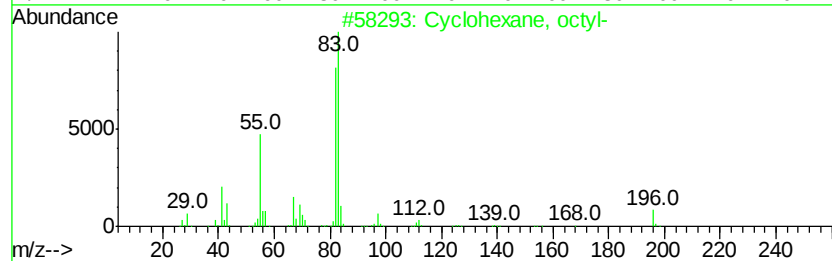
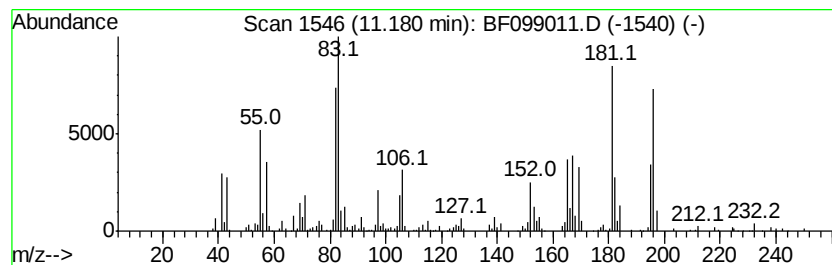
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown11.18 Concentration Rank 14

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.18 | 14.16 ng | 687577 | Phenanthrene-d10 | 11.43 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, octyl-     | 196 | C14H28  | 001795-15-9 | 41   |
| 2    |    | Cyclohexane, decyl-     | 224 | C16H32  | 001795-16-0 | 38   |
| 3    |    | Heptylcyclohexane       | 182 | C13H26  | 005617-41-4 | 38   |
| 4    |    | Cyclohexane, hexyl-     | 168 | C12H24  | 004292-75-5 | 30   |
| 5    |    | Cyclohexane, nonadecyl- | 350 | C25H50  | 022349-03-7 | 27   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

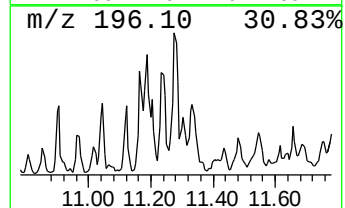
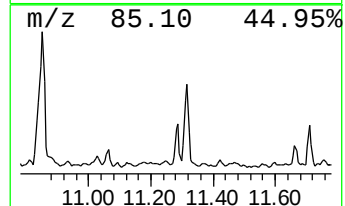
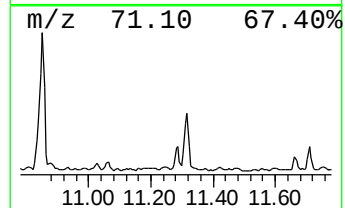
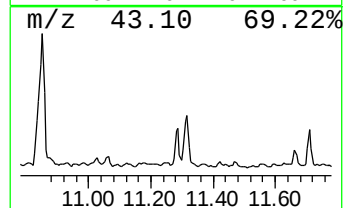
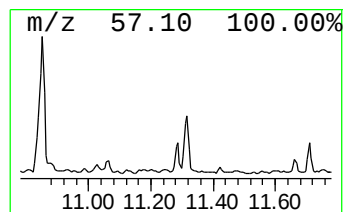
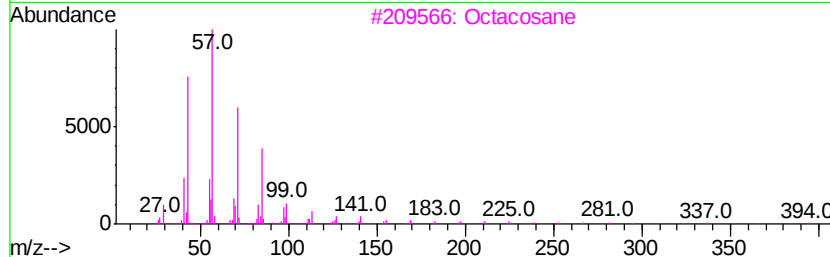
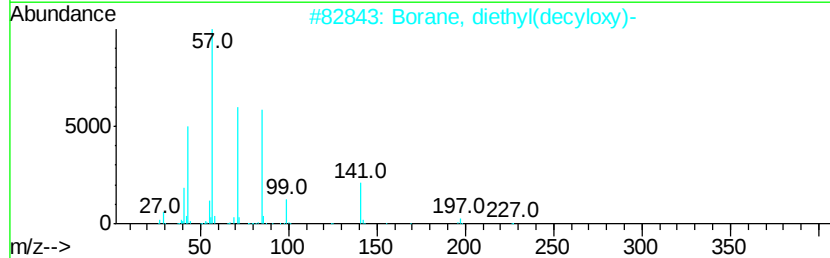
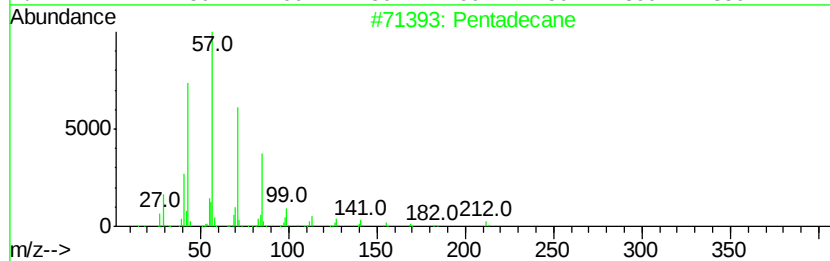
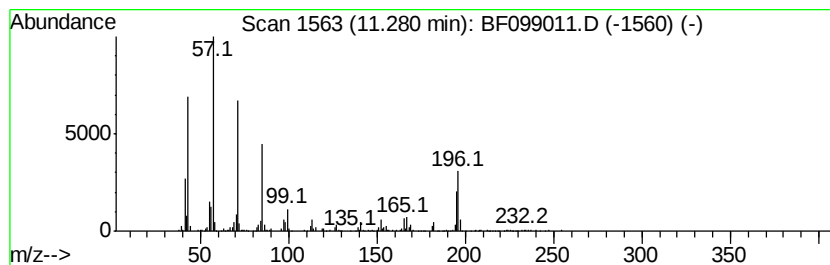
Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Pentadecane Concentration Rank 19

| R.T.    | EstConc  | Area                       | Relative to ISTD | R.T.            |
|---------|----------|----------------------------|------------------|-----------------|
| 11.28   | 13.02 ng | 632086                     | Phenanthrene-d10 | 11.43           |
| Hit# of | 5        | Tentative ID               | MW MolForm       | CAS# Qual       |
| 1       |          | Pentadecane                | 212 C15H32       | 000629-62-9 58  |
| 2       |          | Borane, diethyl(decyloxy)- | 226 C14H31BO     | 1000152-34-3 58 |
| 3       |          | Octacosane                 | 394 C28H58       | 000630-02-4 58  |
| 4       |          | Eicosane                   | 282 C20H42       | 000112-95-8 58  |
| 5       |          | Dodecane, 1-iodo-          | 296 C12H25I      | 004292-19-7 52  |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

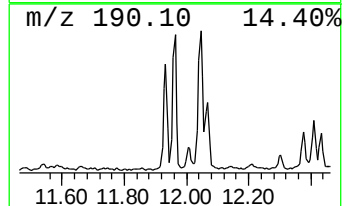
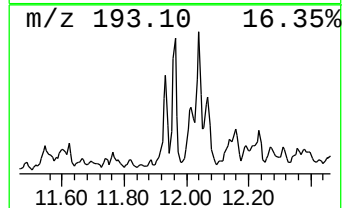
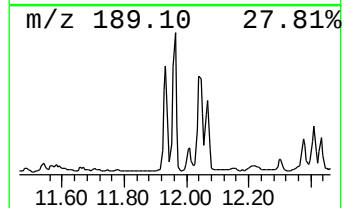
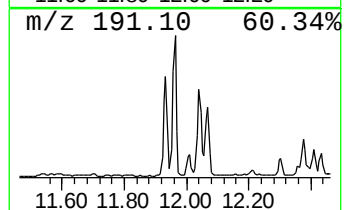
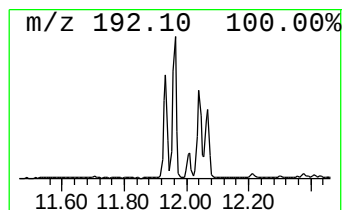
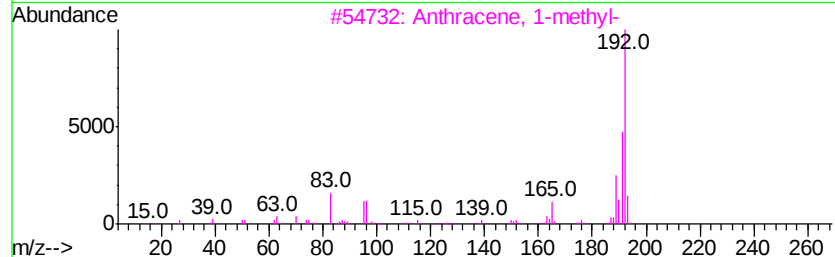
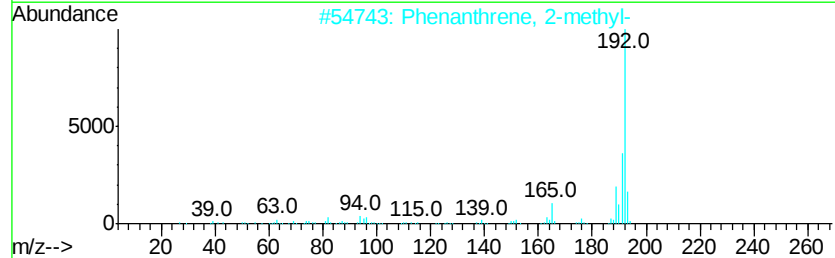
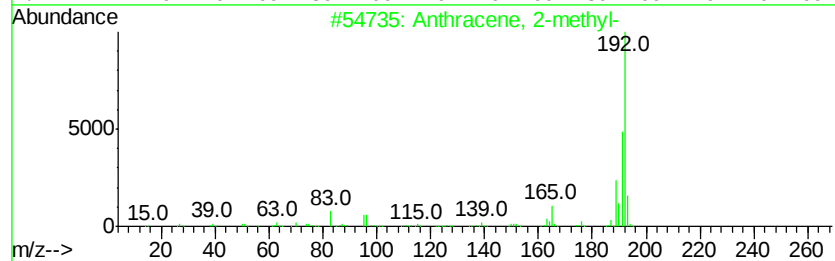
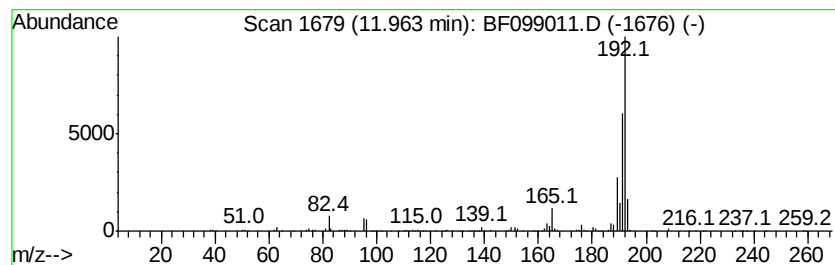
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Anthracene, 2-methyl- Concentration Rank 20

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.96 | 11.39 ng | 552878 | Phenanthrene-d10 | 11.43 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 95   |
| 2    |    | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    | Anthracene, 1-methyl-                 | 192 | C15H12  | 000610-48-0 | 94   |
| 4    |    | Anthracene, 9-methyl-                 | 192 | C15H12  | 000779-02-2 | 93   |
| 5    |    | 1H-Cyclopropa[1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099011.D  
Acq On : 2 Oct 2017 20:33  
Operator : SJ/JU  
Sample : I5531-17  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

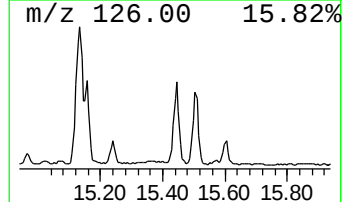
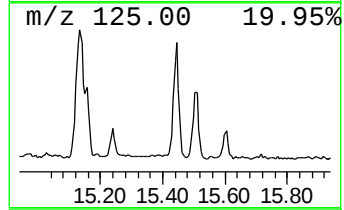
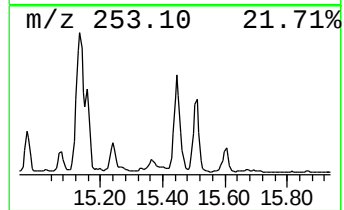
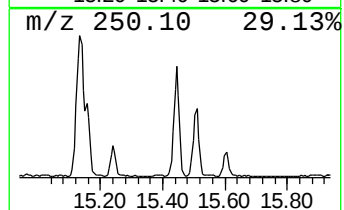
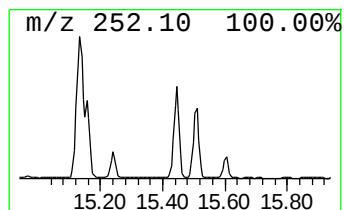
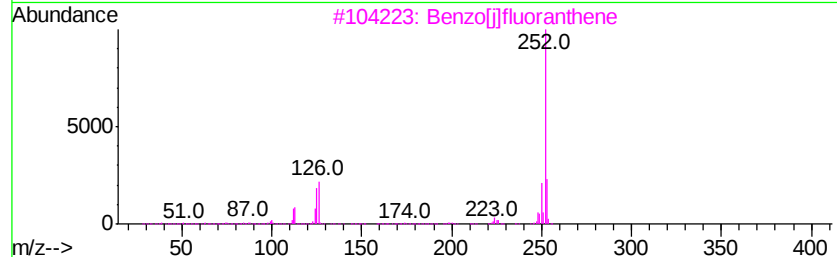
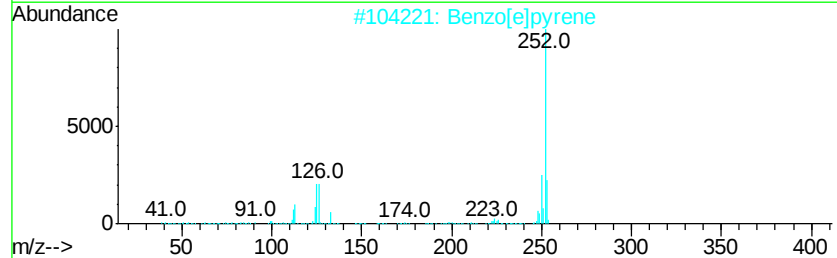
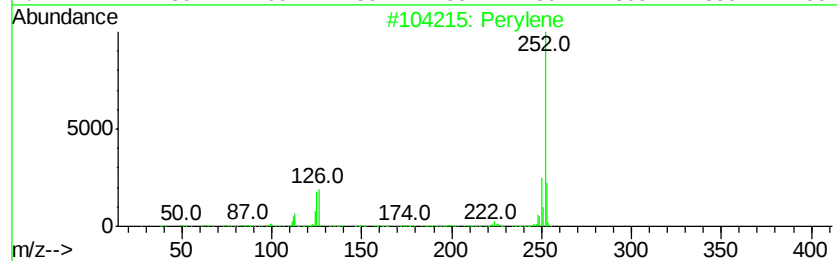
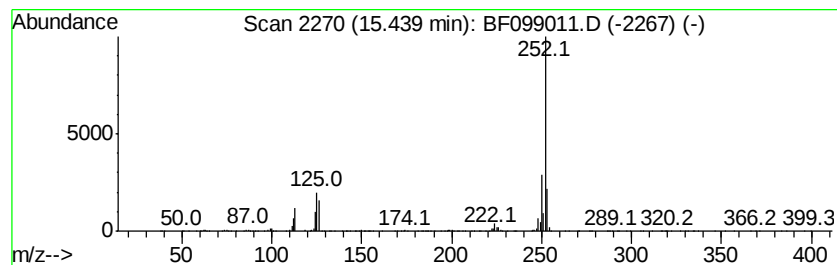
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Perylene Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.44 | 20.79 ng | 838426 | Perylene-d12     | 15.57 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Perylene                 | 252 | C20H12  | 000198-55-0 | 99   |
| 2    |    | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 99   |
| 3    |    | Benzo[i]fluoranthene     | 252 | C20H12  | 000205-82-3 | 98   |
| 4    |    | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 94   |
| 5    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
 Data File : BF099011.D  
 Acq On : 2 Oct 2017 20:33  
 Operator : SJ/JU  
 Sample : I5531-17  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-64-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.13  | 16.9    | ng    | 742598   | 1                     | 6.90  | 881486  | 20.0 |
| unknown6.67          | 6.67  | 65.3    | ng    | 2876700  | 1                     | 6.90  | 881486  | 20.0 |
| Naphthalene, 1-me... | 9.00  | 14.5    | ng    | 973219   | 2                     | 8.19  | 1340940 | 20.0 |
| Dodecane, 2,7,10-... | 9.20  | 13.1    | ng    | 639009   | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 2-et... | 9.46  | 13.5    | ng    | 656245   | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 2,6-... | 9.53  | 29.2    | ng    | 1421910  | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 1,3-... | 9.60  | 33.9    | ng    | 1651090  | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 2,3-... | 9.72  | 13.4    | ng    | 653176   | 3                     | 9.95  | 973616  | 20.0 |
| Nonadecane           | 9.86  | 15.1    | ng    | 734388   | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 1,6,... | 10.05 | 16.3    | ng    | 794858   | 3                     | 9.95  | 973616  | 20.0 |
| Naphthalene, 2,3,... | 10.26 | 13.4    | ng    | 652219   | 3                     | 9.95  | 973616  | 20.0 |
| Tridecane            | 10.58 | 26.8    | ng    | 1304790  | 3                     | 9.95  | 973616  | 20.0 |
| Tridecane, 4-methyl- | 10.85 | 47.9    | ng    | 2326250  | 4                     | 11.43 | 971196  | 20.0 |
| unknown11.18         | 11.18 | 14.2    | ng    | 687577   | 4                     | 11.43 | 971196  | 20.0 |
| Pentadecane          | 11.28 | 13.0    | ng    | 632086   | 4                     | 11.43 | 971196  | 20.0 |
| Anthracene, 2-met... | 11.96 | 11.4    | ng    | 552878   | 4                     | 11.43 | 971196  | 20.0 |
| Perylene             | 15.44 | 20.8    | ng    | 838426   | 6                     | 15.57 | 806498  | 20.0 |