

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
 Data File : BF131870.D  
 Acq On : 28 Dec 2022 20:08  
 Operator : CG\JU  
 Sample : N6220-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131870.D\data.ms

| 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         | 5.028       | 494           | 500         | 511          | rVB      | 601176         | 803276        | 15.57%          | 0.649%        |
| 2         | 5.434       | 565           | 569         | 573          | rVB      | 1763930        | 1804195       | 34.96%          | 1.459%        |
| 3         | 6.057       | 670           | 675         | 682          | rBV3     | 252384         | 359862        | 6.97%           | 0.291%        |
| 4         | 6.457       | 738           | 743         | 746          | rVV      | 1831096        | 1883371       | 36.50%          | 1.523%        |
| 5         | 6.557       | 755           | 760         | 765          | rBV5     | 165604         | 345837        | 6.70%           | 0.280%        |
| 6         | 6.828       | 803           | 806         | 810          | rVB2     | 928519         | 961547        | 18.63%          | 0.777%        |
| 7         | 6.963       | 826           | 829         | 833          | rBV2     | 442827         | 489933        | 9.49%           | 0.396%        |
| 8         | 7.092       | 849           | 851         | 854          | rVB2     | 478984         | 508216        | 9.85%           | 0.411%        |
| 9         | 7.216       | 866           | 872         | 875          | rBV2     | 468829         | 585253        | 11.34%          | 0.473%        |
| 10        | 7.363       | 891           | 897         | 899          | rBV      | 1070292        | 1207199       | 23.39%          | 0.976%        |
| 11        | 7.398       | 899           | 903         | 907          | rVB      | 1603863        | 1631130       | 31.61%          | 1.319%        |
| 12        | 7.469       | 910           | 915         | 918          | rVB5     | 519816         | 747774        | 14.49%          | 0.605%        |
| 13        | 7.534       | 918           | 926         | 929          | rBV5     | 392876         | 931019        | 18.04%          | 0.753%        |
| 14        | 7.598       | 935           | 937         | 940          | rVB2     | 572224         | 563154        | 10.91%          | 0.455%        |
| 15        | 7.716       | 953           | 957         | 958          | rBV3     | 408694         | 499264        | 9.68%           | 0.404%        |
| 16        | 7.786       | 966           | 969         | 973          | rVB2     | 779491         | 874991        | 16.96%          | 0.707%        |
| 17        | 7.851       | 977           | 980         | 982          | rBV      | 1295647        | 1097127       | 21.26%          | 0.887%        |
| 18        | 7.933       | 990           | 994         | 999          | rBV2     | 561029         | 659838        | 12.79%          | 0.533%        |
| 19        | 7.981       | 999           | 1002        | 1006         | rBV2     | 538974         | 586813        | 11.37%          | 0.474%        |
| 20        | 8.075       | 1011          | 1018        | 1019         | rBV5     | 484085         | 814492        | 15.78%          | 0.658%        |
| 21        | 8.104       | 1019          | 1023        | 1027         | rVV2     | 1028154        | 1861848       | 36.08%          | 1.505%        |
| 22        | 8.175       | 1031          | 1035        | 1038         | rVB2     | 1497961        | 1892566       | 36.68%          | 1.530%        |
| 23        | 8.204       | 1038          | 1040        | 1043         | rBV      | 612515         | 470595        | 9.12%           | 0.380%        |
| 24        | 8.269       | 1047          | 1051        | 1053         | rBV3     | 420216         | 459137        | 8.90%           | 0.371%        |
| 25        | 8.316       | 1057          | 1059        | 1062         | rVB2     | 1133579        | 936024        | 18.14%          | 0.757%        |
| 26        | 8.404       | 1070          | 1074        | 1079         | rVB4     | 879969         | 1326047       | 25.70%          | 1.072%        |
| 27        | 8.504       | 1087          | 1091        | 1093         | rVB      | 1019180        | 899264        | 17.43%          | 0.727%        |
| 28        | 8.545       | 1093          | 1098        | 1099         | rBV2     | 1479459        | 1643744       | 31.85%          | 1.329%        |
| 29        | 8.586       | 1103          | 1105        | 1107         | rVB      | 717106         | 564858        | 10.95%          | 0.457%        |
| 30        | 8.628       | 1107          | 1112        | 1114         | rBV3     | 1315821        | 1361561       | 26.39%          | 1.101%        |
| 31        | 8.657       | 1114          | 1117        | 1120         | rBV5     | 266687         | 354455        | 6.87%           | 0.287%        |
| 32        | 8.710       | 1124          | 1126        | 1130         | rBV2     | 558824         | 764866        | 14.82%          | 0.618%        |
| 33        | 8.757       | 1130          | 1134        | 1136         | rBV3     | 438457         | 615326        | 11.92%          | 0.497%        |
| 34        | 8.810       | 1141          | 1143        | 1145         | rVV2     | 976187         | 1119306       | 21.69%          | 0.905%        |
| 35        | 8.845       | 1145          | 1149        | 1151         | rVV      | 3226828        | 3036349       | 58.84%          | 2.455%        |
| 36        | 8.875       | 1151          | 1154        | 1156         | rVV2     | 474532         | 471542        | 9.14%           | 0.381%        |

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 Sample : N6220-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 8.898  | 1156 | 1158 | 1159 | rVV2 | 413849  | 406378  | 7.88%   | 0.329% |
| 38 | 8.945  | 1160 | 1166 | 1169 | rVV2 | 3400237 | 4513007 | 87.46%  | 3.648% |
| 39 | 8.969  | 1169 | 1170 | 1173 | rVV2 | 808425  | 738758  | 14.32%  | 0.597% |
| 40 | 9.028  | 1177 | 1180 | 1184 | rVV4 | 957890  | 1284572 | 24.89%  | 1.038% |
| 41 | 9.069  | 1184 | 1187 | 1189 | rVV  | 625348  | 775271  | 15.02%  | 0.627% |
| 42 | 9.086  | 1189 | 1190 | 1194 | rVV5 | 480605  | 633799  | 12.28%  | 0.512% |
| 43 | 9.145  | 1196 | 1200 | 1203 | rVV3 | 2368309 | 2791264 | 54.09%  | 2.257% |
| 44 | 9.204  | 1206 | 1210 | 1214 | rVV  | 2452321 | 2515193 | 48.74%  | 2.033% |
| 45 | 9.280  | 1219 | 1223 | 1228 | rVV4 | 870087  | 1677794 | 32.51%  | 1.356% |
| 46 | 9.328  | 1228 | 1231 | 1232 | rVV3 | 628702  | 724169  | 14.03%  | 0.585% |
| 47 | 9.351  | 1233 | 1235 | 1239 | rVV3 | 1131564 | 1519835 | 29.45%  | 1.229% |
| 48 | 9.404  | 1239 | 1244 | 1250 | rVV  | 1651085 | 2565949 | 49.73%  | 2.074% |
| 49 | 9.480  | 1252 | 1257 | 1259 | rVV  | 2867452 | 4218615 | 81.75%  | 3.410% |
| 50 | 9.551  | 1262 | 1269 | 1271 | rVV  | 3309488 | 5160122 | 100.00% | 4.172% |
| 51 | 9.580  | 1271 | 1274 | 1275 | rVV2 | 2806101 | 2664049 | 51.63%  | 2.154% |
| 52 | 9.604  | 1275 | 1278 | 1281 | rVV2 | 2540138 | 3063811 | 59.37%  | 2.477% |
| 53 | 9.633  | 1281 | 1283 | 1285 | rVV3 | 757645  | 650311  | 12.60%  | 0.526% |
| 54 | 9.669  | 1285 | 1289 | 1290 | rVV2 | 1893127 | 1954918 | 37.89%  | 1.580% |
| 55 | 9.704  | 1294 | 1295 | 1297 | rVB2 | 598677  | 342409  | 6.64%   | 0.277% |
| 56 | 9.751  | 1300 | 1303 | 1306 | rVV  | 1613278 | 1498341 | 29.04%  | 1.211% |
| 57 | 9.792  | 1308 | 1310 | 1313 | rVB3 | 544948  | 491802  | 9.53%   | 0.398% |
| 58 | 9.869  | 1318 | 1323 | 1324 | rBV3 | 1029791 | 1295803 | 25.11%  | 1.048% |
| 59 | 9.922  | 1328 | 1332 | 1335 | rBV3 | 800012  | 1106165 | 21.44%  | 0.894% |
| 60 | 9.992  | 1341 | 1344 | 1348 | rVB  | 1834658 | 2318850 | 44.94%  | 1.875% |
| 61 | 10.033 | 1348 | 1351 | 1355 | rBV4 | 632464  | 750945  | 14.55%  | 0.607% |
| 62 | 10.092 | 1356 | 1361 | 1364 | rVB2 | 2128532 | 2583303 | 50.06%  | 2.088% |
| 63 | 10.139 | 1365 | 1369 | 1372 | rBV3 | 2032043 | 2149722 | 41.66%  | 1.738% |
| 64 | 10.210 | 1377 | 1381 | 1383 | rBV  | 1803585 | 1963536 | 38.05%  | 1.587% |
| 65 | 10.239 | 1383 | 1386 | 1388 | rVV  | 1486204 | 1141312 | 22.12%  | 0.923% |
| 66 | 10.298 | 1392 | 1396 | 1398 | rBV  | 1199892 | 1595053 | 30.91%  | 1.289% |
| 67 | 10.386 | 1406 | 1411 | 1414 | rVB5 | 646453  | 932834  | 18.08%  | 0.754% |
| 68 | 10.433 | 1414 | 1419 | 1421 | rBV3 | 1002450 | 1305955 | 25.31%  | 1.056% |
| 69 | 10.463 | 1421 | 1424 | 1428 | rVV3 | 555981  | 806598  | 15.63%  | 0.652% |
| 70 | 10.510 | 1430 | 1432 | 1433 | rVV  | 652574  | 498086  | 9.65%   | 0.403% |
| 71 | 10.539 | 1433 | 1437 | 1442 | rVB3 | 2050216 | 3300007 | 63.95%  | 2.668% |
| 72 | 10.586 | 1442 | 1445 | 1447 | rBV4 | 571140  | 647818  | 12.55%  | 0.524% |
| 73 | 10.680 | 1459 | 1461 | 1465 | rVV2 | 1203111 | 1157074 | 22.42%  | 0.935% |
| 74 | 10.716 | 1465 | 1467 | 1472 | rVB3 | 714958  | 899849  | 17.44%  | 0.727% |
| 75 | 10.757 | 1472 | 1474 | 1477 | rBV3 | 241048  | 346484  | 6.71%   | 0.280% |
| 76 | 10.810 | 1479 | 1483 | 1486 | rVB2 | 3464525 | 3484554 | 67.53%  | 2.817% |

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 Sample : N6220-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 10.880 | 1492 | 1495 | 1498 | rBV3 | 563575  | 466564  | 9.04%  | 0.377% |
| 78  | 10.986 | 1510 | 1513 | 1515 | rBV3 | 501489  | 562575  | 10.90% | 0.455% |
| 79  | 11.022 | 1516 | 1519 | 1522 | rVV3 | 1200771 | 1155379 | 22.39% | 0.934% |
| 80  | 11.104 | 1531 | 1533 | 1535 | rBV  | 381665  | 370255  | 7.18%  | 0.299% |
| 81  | 11.133 | 1535 | 1538 | 1544 | rVV5 | 739287  | 1307380 | 25.34% | 1.057% |
| 82  | 11.274 | 1559 | 1562 | 1568 | rVB2 | 2433620 | 2882141 | 55.85% | 2.330% |
| 83  | 11.386 | 1578 | 1581 | 1583 | rBV  | 723188  | 773860  | 15.00% | 0.626% |
| 84  | 11.410 | 1583 | 1585 | 1588 | rVB  | 1162503 | 899664  | 17.43% | 0.727% |
| 85  | 11.621 | 1617 | 1621 | 1630 | rVB4 | 926118  | 1569305 | 30.41% | 1.269% |
| 86  | 11.716 | 1632 | 1637 | 1643 | rBV5 | 566454  | 1112646 | 21.56% | 0.899% |
| 87  | 11.798 | 1648 | 1651 | 1654 | rBV3 | 259278  | 348195  | 6.75%  | 0.281% |
| 88  | 11.892 | 1664 | 1667 | 1669 | rBV  | 962029  | 889146  | 17.23% | 0.719% |
| 89  | 11.921 | 1669 | 1672 | 1675 | rVB  | 1161455 | 1091033 | 21.14% | 0.882% |
| 90  | 11.998 | 1682 | 1685 | 1688 | rVV2 | 757970  | 685214  | 13.28% | 0.554% |
| 91  | 12.027 | 1688 | 1690 | 1692 | rVB  | 476473  | 370804  | 7.19%  | 0.300% |
| 92  | 12.333 | 1737 | 1742 | 1744 | rBV2 | 418899  | 546929  | 10.60% | 0.442% |
| 93  | 12.369 | 1744 | 1748 | 1750 | rVV2 | 563168  | 680349  | 13.18% | 0.550% |
| 94  | 12.445 | 1758 | 1761 | 1764 | rVV  | 944950  | 968587  | 18.77% | 0.783% |
| 95  | 12.480 | 1764 | 1767 | 1769 | rVV2 | 340950  | 396763  | 7.69%  | 0.321% |
| 96  | 12.604 | 1785 | 1788 | 1792 | rBV  | 501031  | 371440  | 7.20%  | 0.300% |
| 97  | 12.886 | 1833 | 1836 | 1840 | rVB  | 416897  | 403760  | 7.82%  | 0.326% |
| 98  | 12.974 | 1847 | 1851 | 1854 | rVB  | 1548437 | 1312659 | 25.44% | 1.061% |
| 99  | 14.027 | 2026 | 2030 | 2033 | rBV2 | 443469  | 490178  | 9.50%  | 0.396% |
| 100 | 15.515 | 2278 | 2283 | 2294 | rVB  | 298783  | 436434  | 8.46%  | 0.353% |

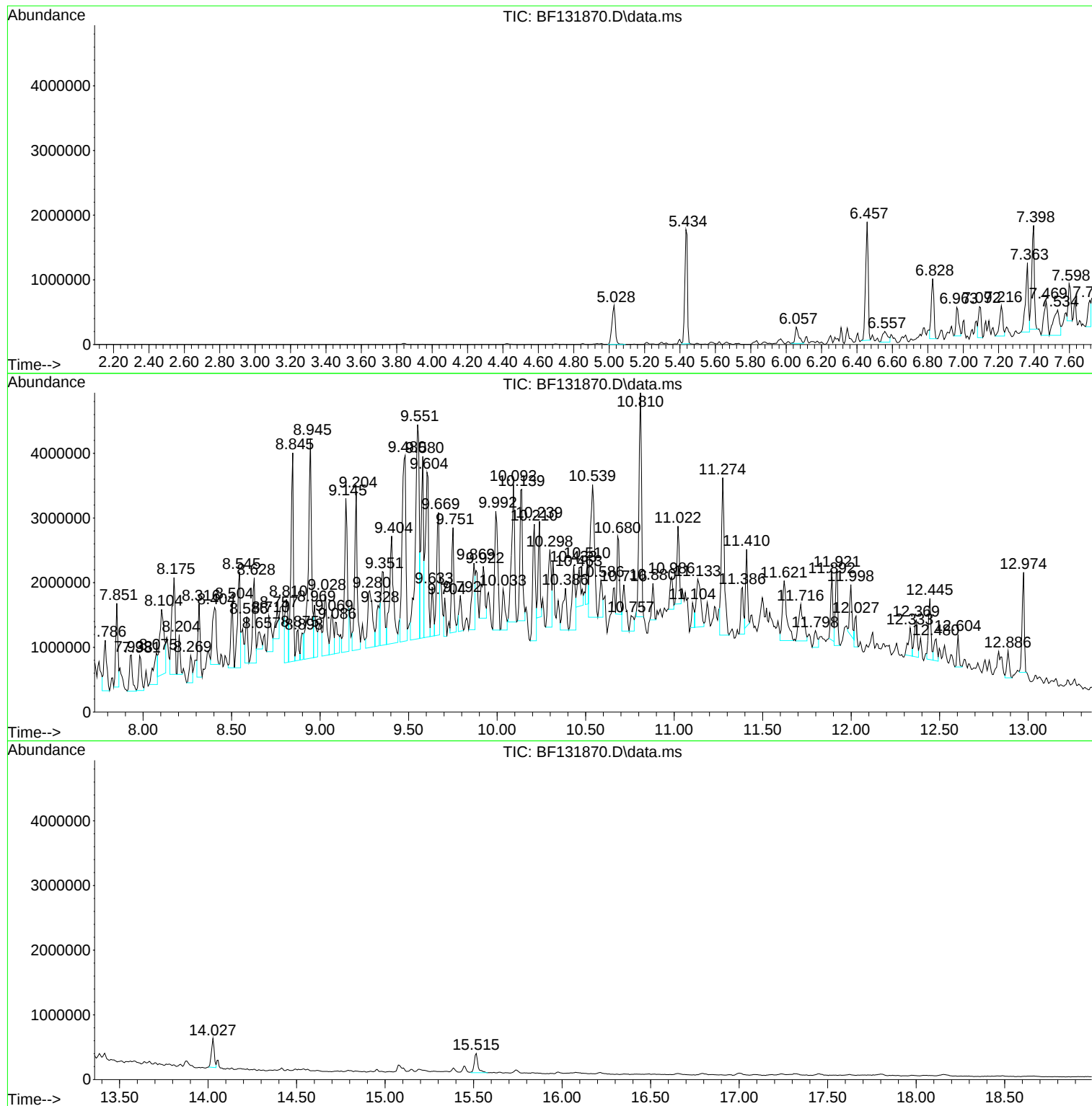
Sum of corrected areas: 123697354

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
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Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
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Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

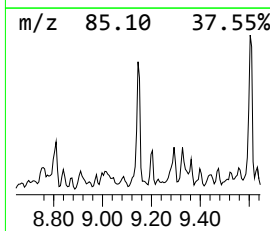
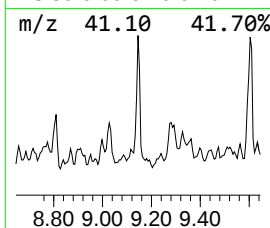
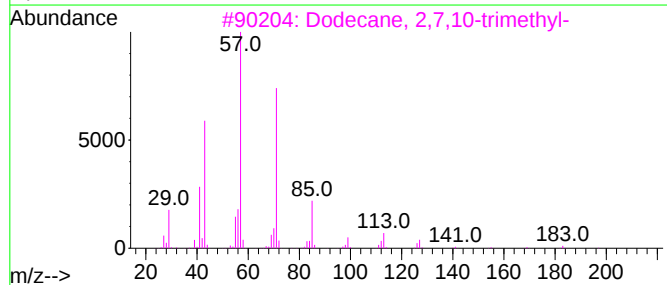
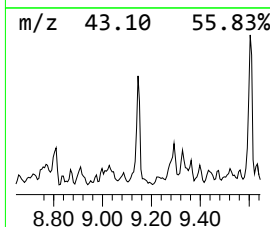
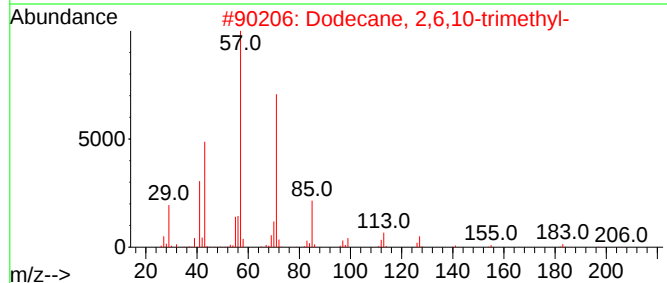
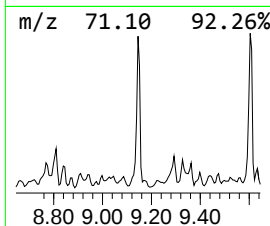
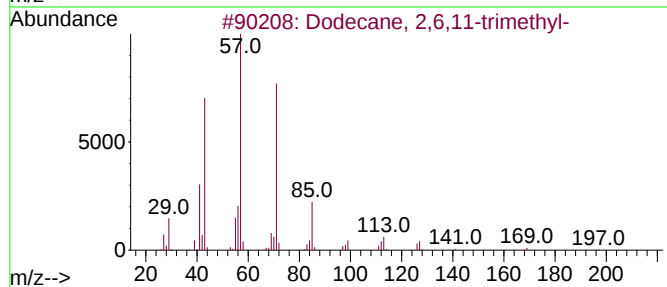
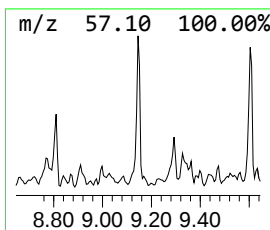
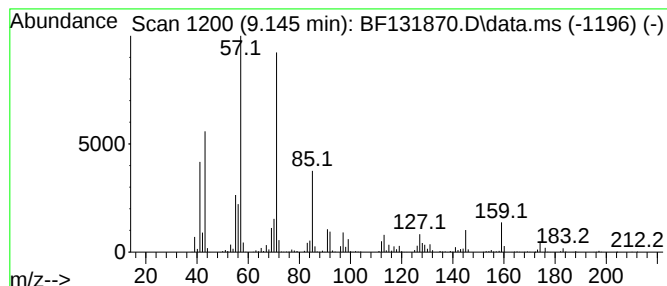
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Dodecane, 2,6,11-trimethyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.145 | 43.08 ng | 2791260 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 64   |
| 2    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 58   |
| 3    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 58   |
| 4    |    |   | Octane, 2,6-dimethyl-       | 142 | C10H22  | 002051-30-1 | 52   |
| 5    |    |   | Nonane, 2,6-dimethyl-       | 156 | C11H24  | 017302-28-2 | 49   |



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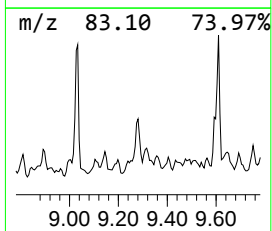
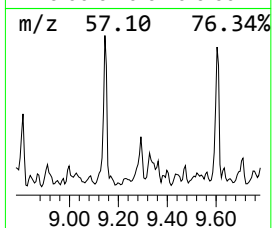
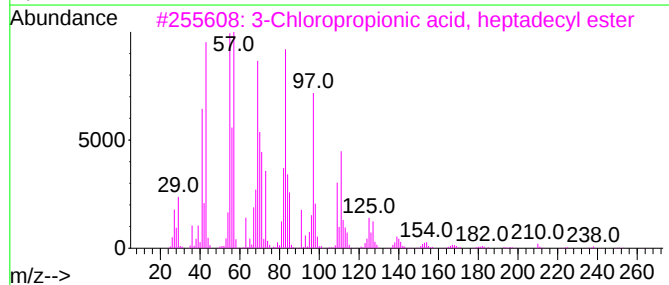
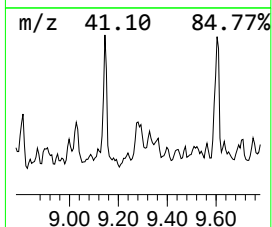
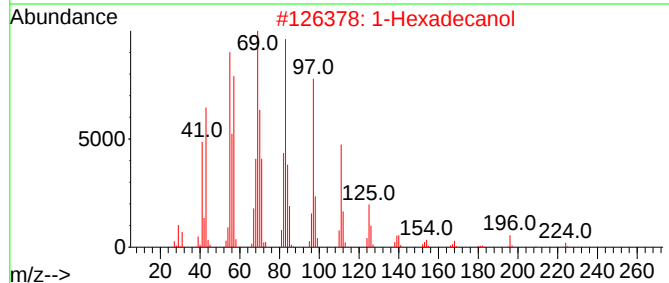
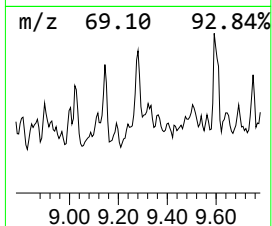
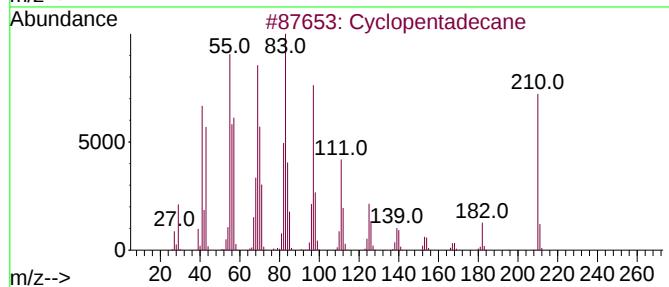
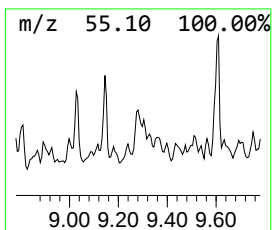
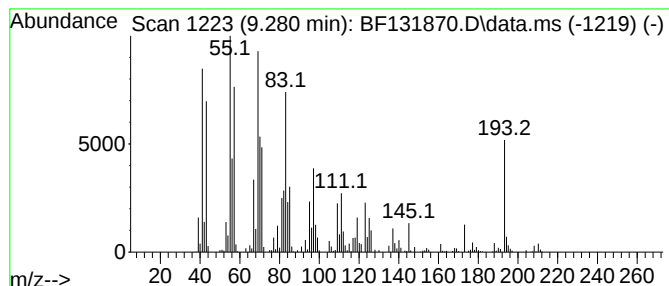
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclopentadecane Concentration Rank 20

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.280 | 25.90 ng | 1677790 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclopentadecane                    | 210 | C15H30     | 000295-48-7  | 66   |
| 2    |    |   | 1-Hexadecanol                       | 242 | C16H34O    | 036653-82-4  | 58   |
| 3    |    |   | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 49   |
| 4    |    |   | 2-sec-Butyl-3-methyl-1-pentene      | 140 | C10H20     | 075144-24-0  | 45   |
| 5    |    |   | n-Tetracosanol-1                    | 354 | C24H50O    | 000506-51-4  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

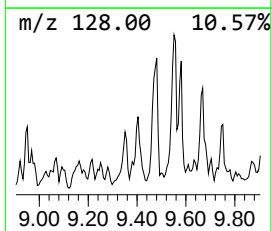
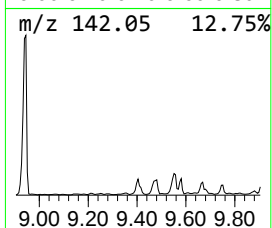
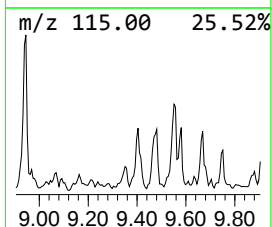
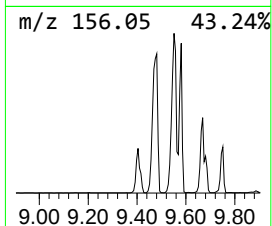
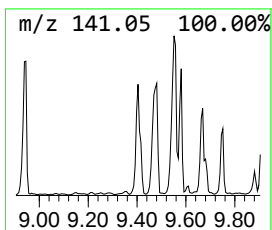
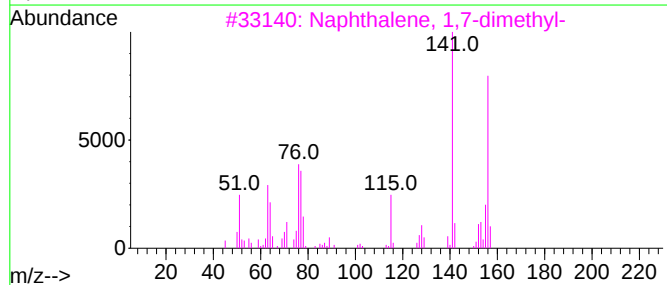
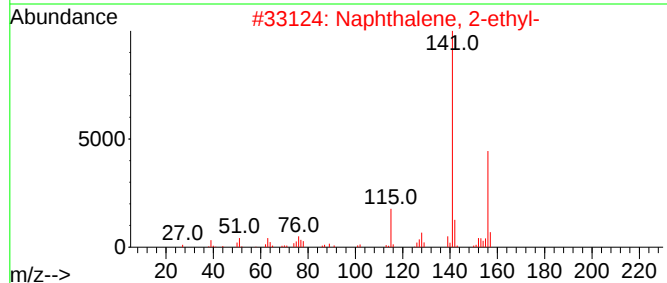
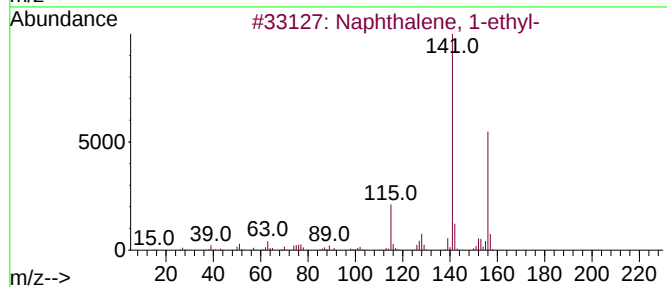
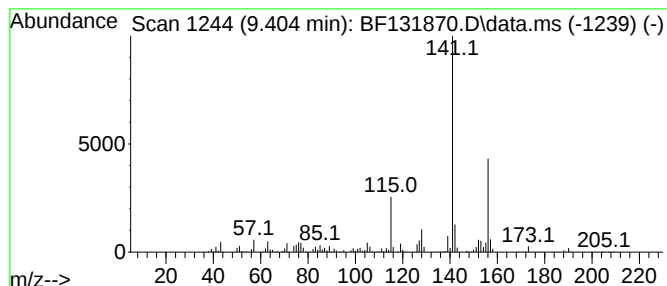
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.404 | 39.60 ng | 2565950 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-ethyl-        | 156 | C12H12  | 001127-76-0 | 95   |
| 2    |    |   | Naphthalene, 2-ethyl-        | 156 | C12H12  | 000939-27-5 | 94   |
| 3    |    |   | Naphthalene, 1,7-dimethyl-   | 156 | C12H12  | 000575-37-1 | 86   |
| 4    |    |   | Naphthalene, 1-propyl-       | 170 | C13H14  | 002765-18-6 | 59   |
| 5    |    |   | Methyl phenylphosphinic acid | 156 | C7H9O2P | 004271-13-0 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

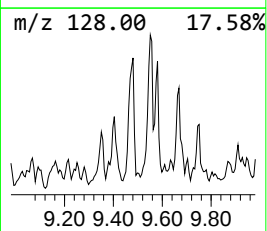
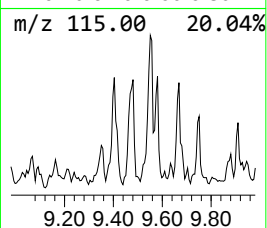
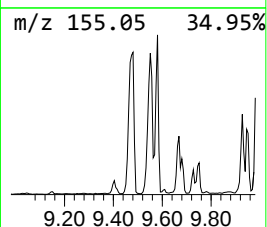
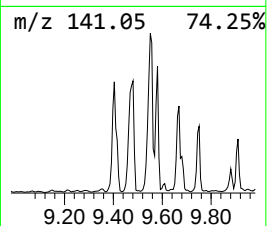
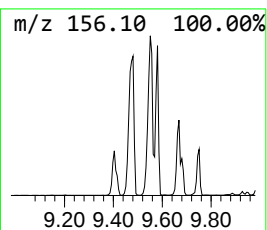
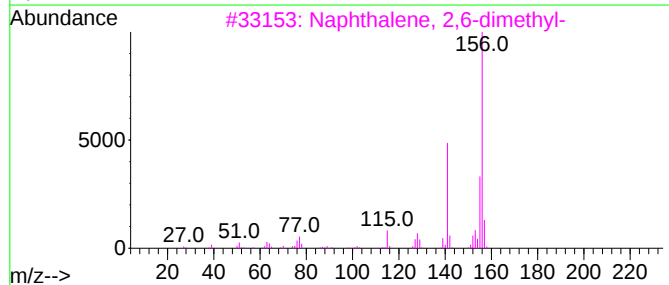
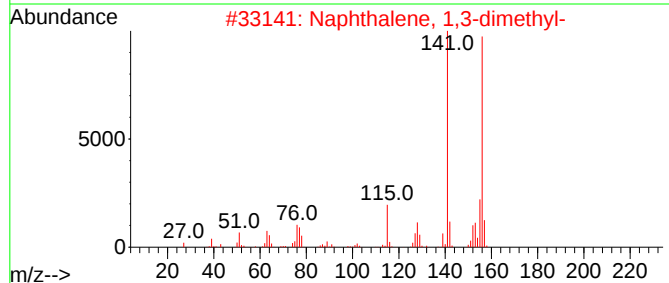
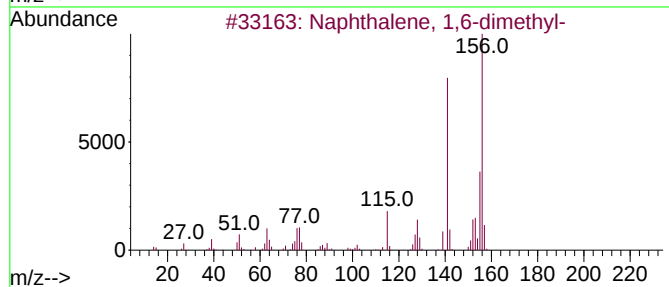
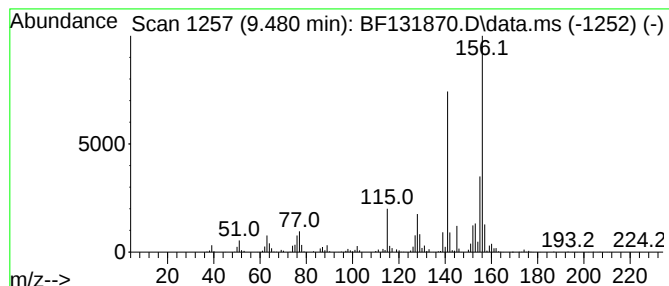
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.480 | 65.11 ng | 4218620 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 2    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 5    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

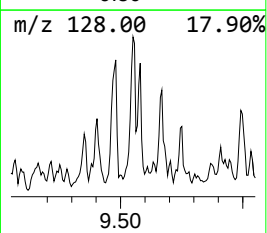
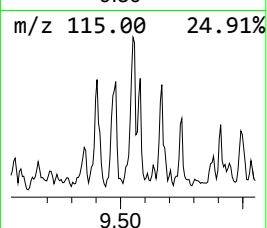
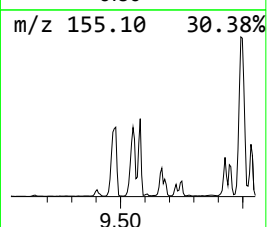
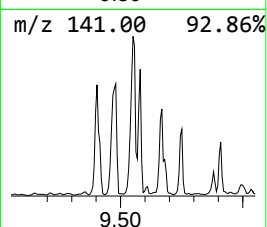
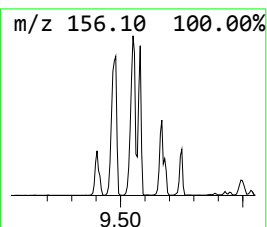
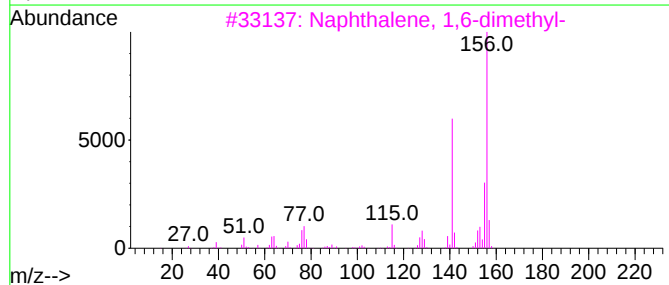
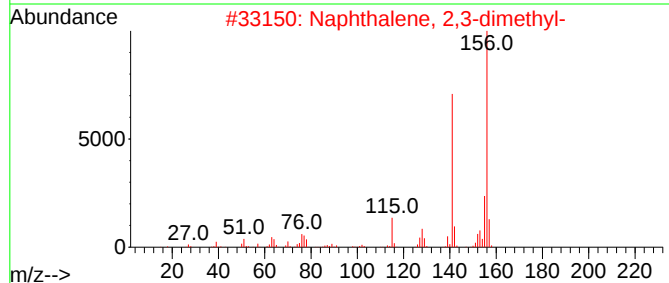
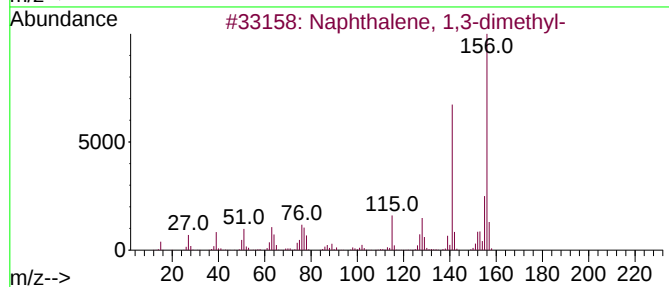
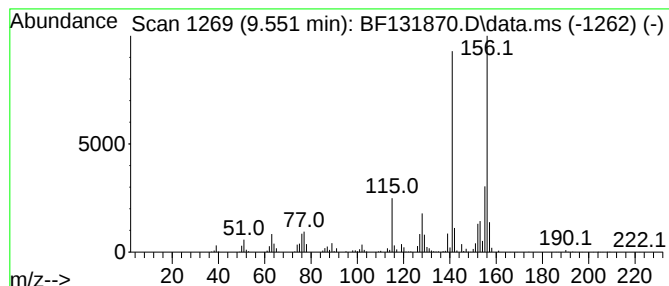
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.551 | 79.64 ng | 5160120 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 5    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

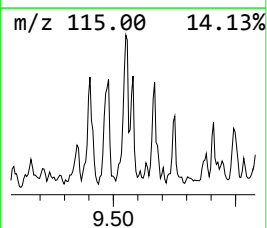
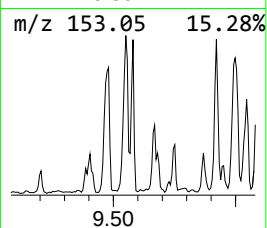
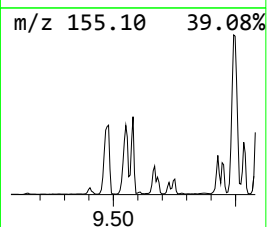
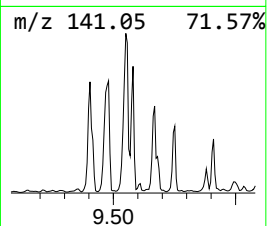
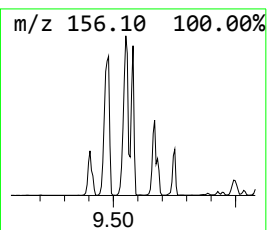
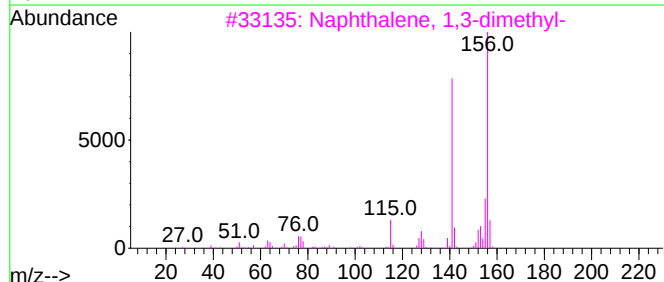
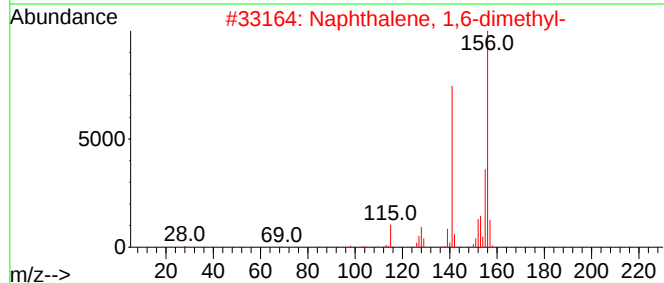
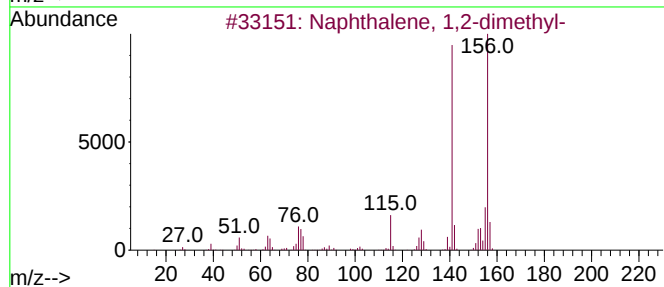
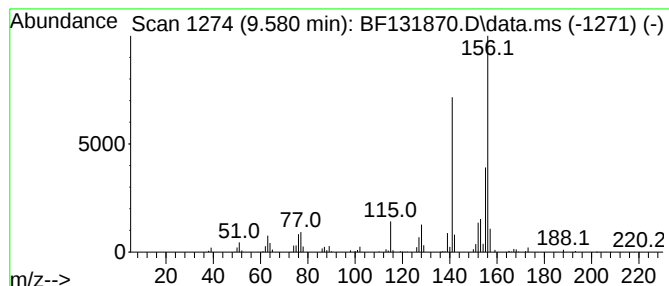
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 1,2-dimethyl- Concentration Rank 8

| R.T.    | EstConc  | Area                       | Relative to ISTD |         |             | R.T.  |
|---------|----------|----------------------------|------------------|---------|-------------|-------|
| 9.580   | 41.12 ng | 2664050                    | Acenaphthene-d10 |         |             | 9.886 |
| Hit# of | 5        | Tentative ID               | MW               | MolForm | CAS#        | Qual  |
| 1       |          | Naphthalene, 1,2-dimethyl- | 156              | C12H12  | 000573-98-8 | 96    |
| 2       |          | Naphthalene, 1,6-dimethyl- | 156              | C12H12  | 000575-43-9 | 96    |
| 3       |          | Naphthalene, 1,3-dimethyl- | 156              | C12H12  | 000575-41-7 | 94    |
| 4       |          | Naphthalene, 2,7-dimethyl- | 156              | C12H12  | 000582-16-1 | 94    |
| 5       |          | Naphthalene, 2,6-dimethyl- | 156              | C12H12  | 000581-42-0 | 94    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

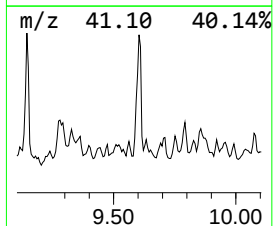
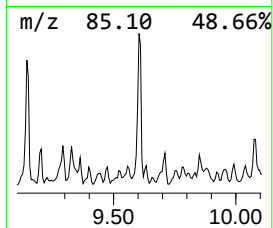
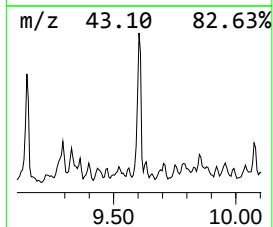
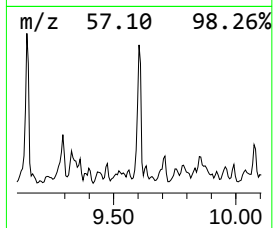
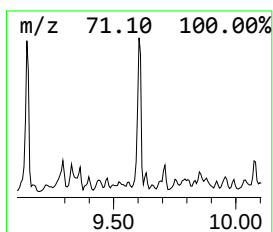
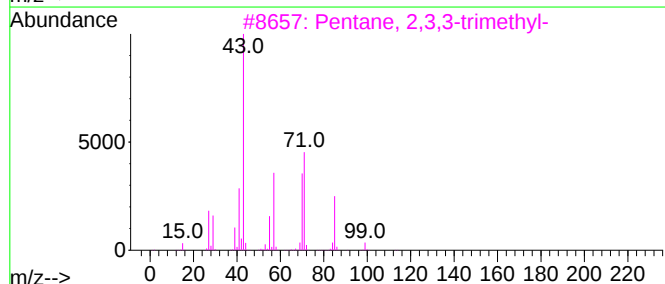
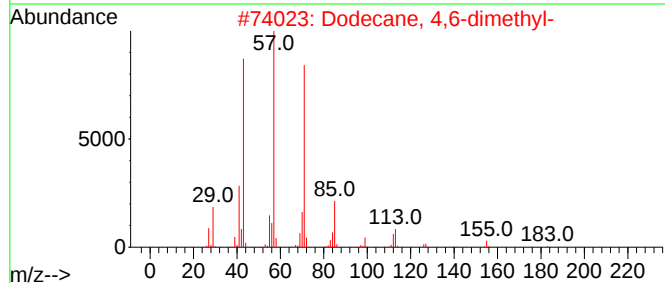
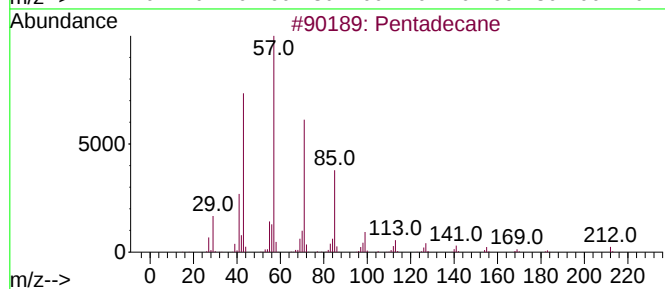
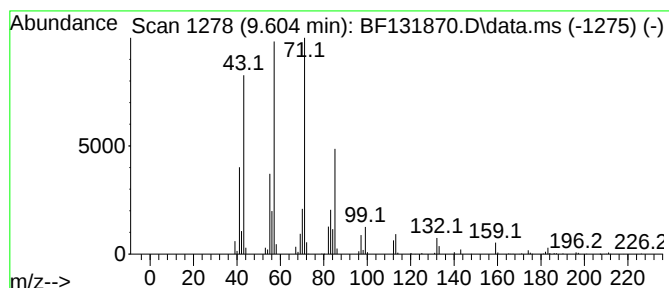
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Pentadecane Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.604 | 47.29 ng | 3063810 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane                  | 212 | C15H32  | 000629-62-9 | 64   |
| 2    |    |   | Dodecane, 4,6-dimethyl-      | 198 | C14H30  | 061141-72-8 | 59   |
| 3    |    |   | Pentane, 2,3,3-trimethyl-    | 114 | C8H18   | 000560-21-4 | 53   |
| 4    |    |   | Dodecane, 2,7,10-trimethyl-  | 212 | C15H32  | 074645-98-0 | 53   |
| 5    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
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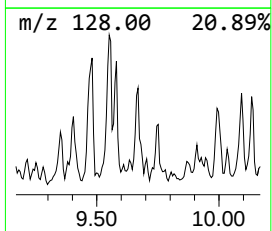
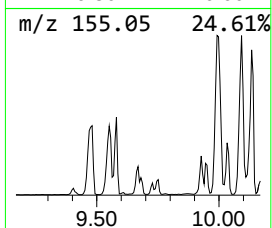
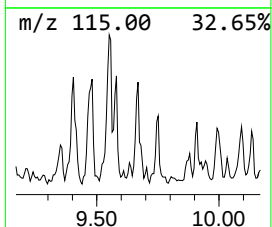
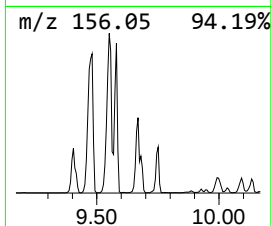
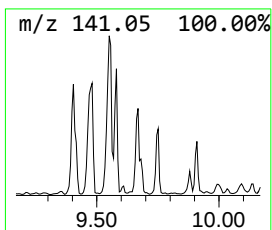
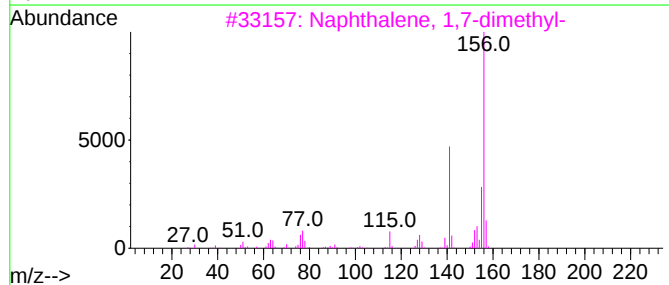
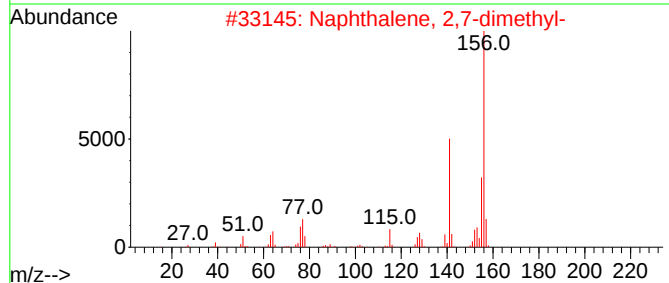
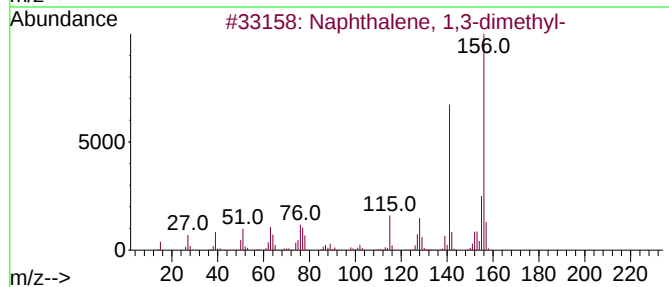
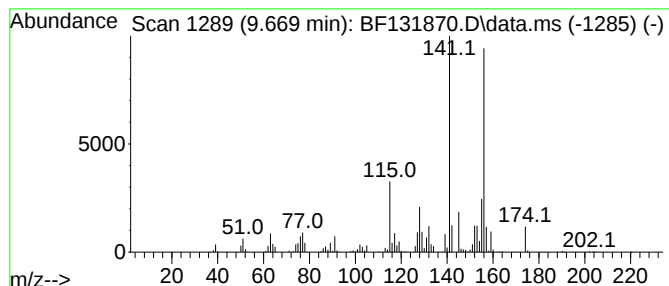
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.669 | 30.17 ng | 1954920 | Acenaphthene-d10 | 9.886 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 2    |      | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 3    |      | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 4    |      | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 5    |      | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

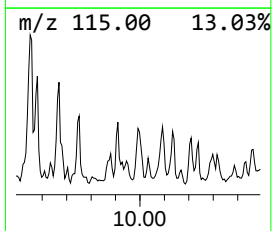
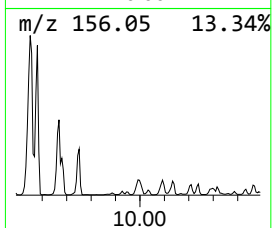
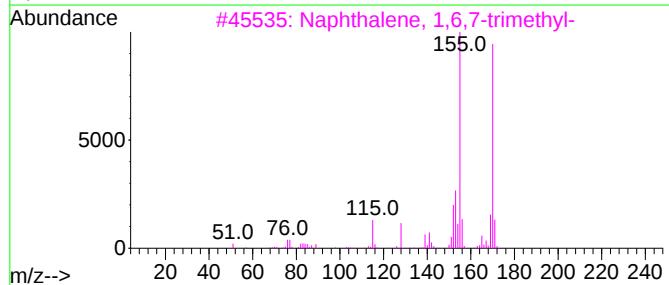
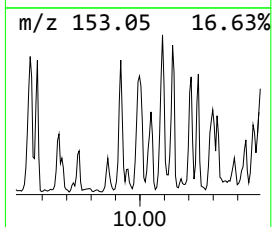
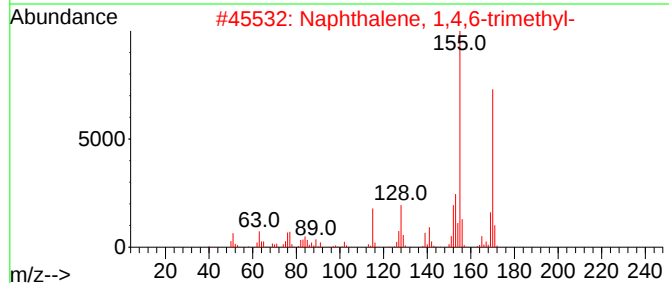
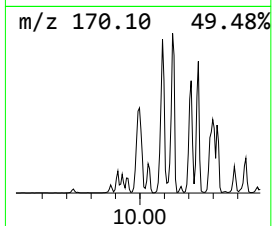
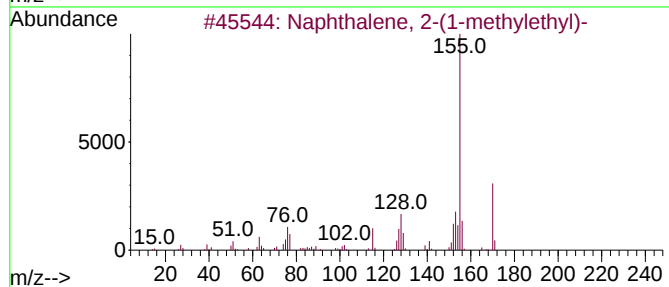
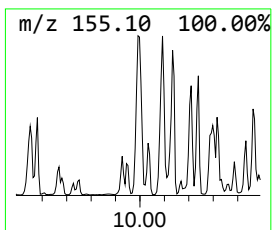
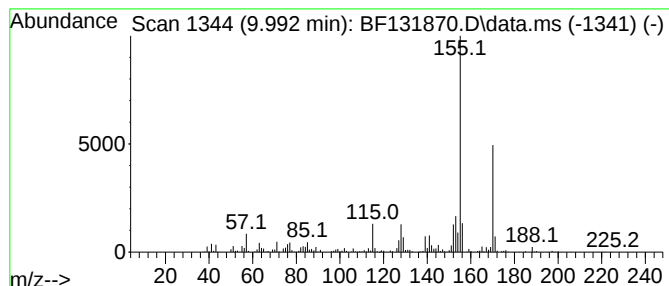
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.992 | 35.79 ng | 2318850 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14  | 002027-17-0  | 94   |
| 2    |    |   | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 93   |
| 3    |    |   | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 89   |
| 4    |    |   | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 83   |
| 5    |    |   | 2-Naphthyl methyl ketone        | 170 | C12H10O | 000093-08-3  | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

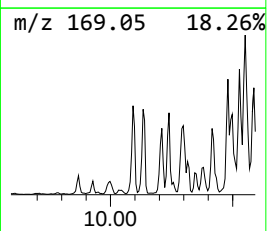
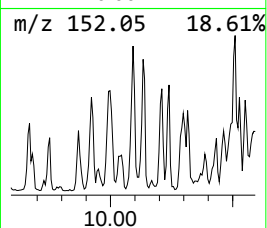
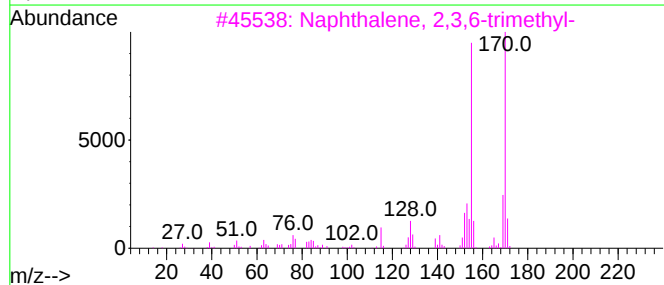
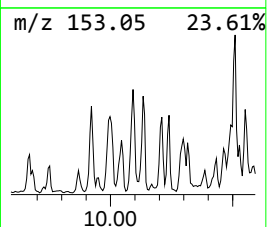
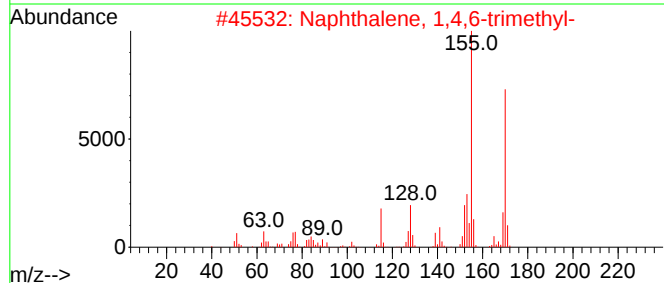
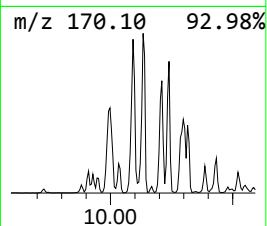
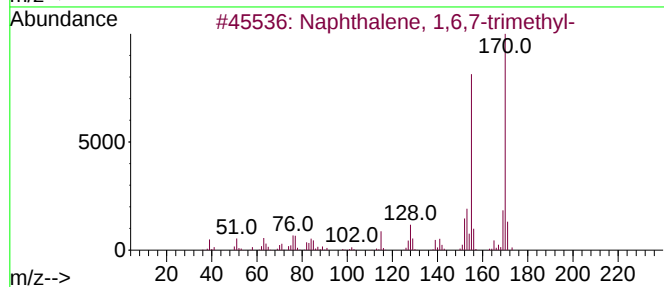
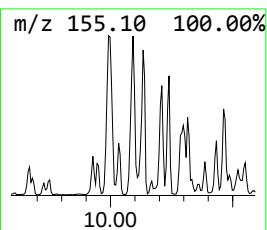
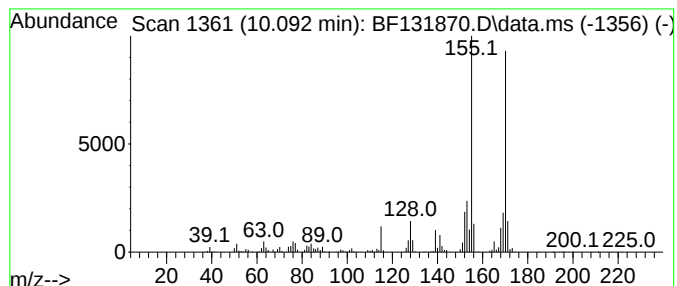
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                       | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------|---------|------------------|---------|-------------|------|
| 10.092    | 39.87 ng                      | 2583300 | Acenaphthene-d10 |         | 9.886       |      |
| Hit# of 5 | Tentative ID                  |         | MW               | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl- |         | 170              | C13H14  | 002245-38-7 | 97   |
| 2         | Naphthalene, 1,4,6-trimethyl- |         | 170              | C13H14  | 002131-42-2 | 96   |
| 3         | Naphthalene, 2,3,6-trimethyl- |         | 170              | C13H14  | 000829-26-5 | 94   |
| 4         | 4,6,8-Trimethylazulene        |         | 170              | C13H14  | 000941-81-1 | 93   |
| 5         | Naphthalene, 1,4,5-trimethyl- |         | 170              | C13H14  | 002131-41-1 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

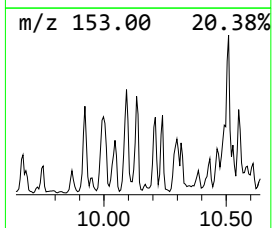
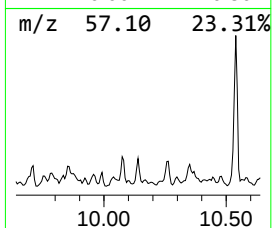
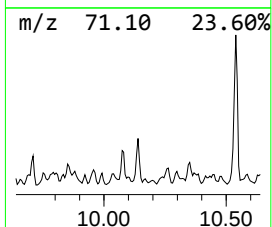
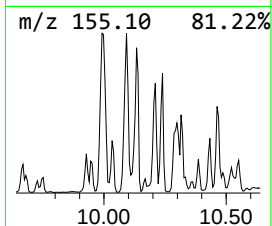
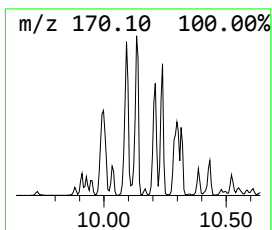
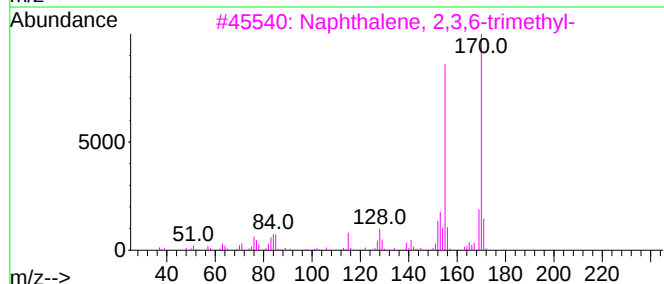
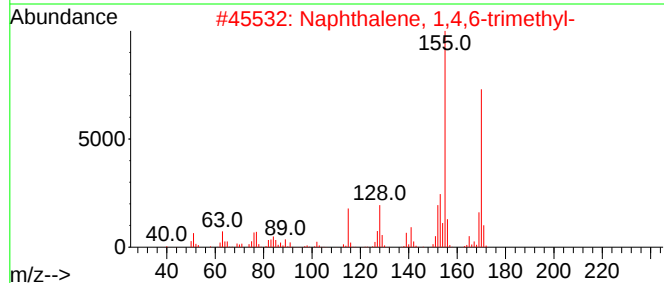
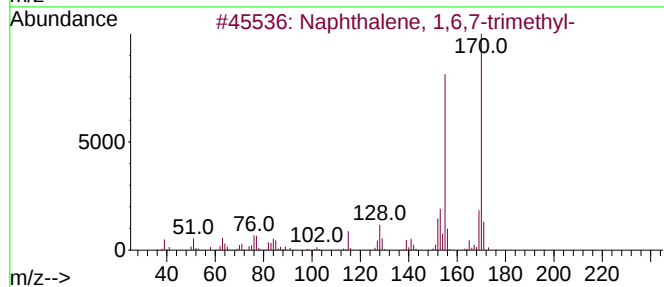
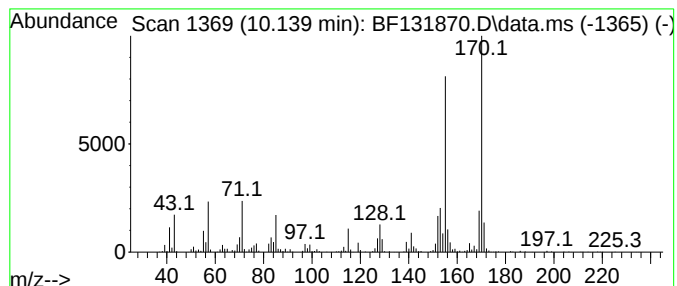
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

| R.T.      | EstConc                         | Area    | Relative to ISTD |         |              | R.T.  |
|-----------|---------------------------------|---------|------------------|---------|--------------|-------|
| 10.139    | 33.18 ng                        | 2149720 | Acenaphthene-d10 |         |              | 9.886 |
| Hit# of 5 | Tentative ID                    |         | MW               | MolForm | CAS#         | Qual  |
| 1         | Naphthalene, 1,6,7-trimethyl-   |         | 170              | C13H14  | 002245-38-7  | 97    |
| 2         | Naphthalene, 1,4,6-trimethyl-   |         | 170              | C13H14  | 002131-42-2  | 96    |
| 3         | Naphthalene, 2,3,6-trimethyl-   |         | 170              | C13H14  | 000829-26-5  | 95    |
| 4         | 4,6,8-Trimethylazulene          |         | 170              | C13H14  | 000941-81-1  | 93    |
| 5         | 3-(2-Methyl-propenyl)-1H-indene |         | 170              | C13H14  | 1000187-78-5 | 90    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

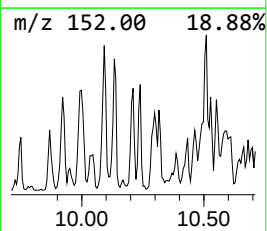
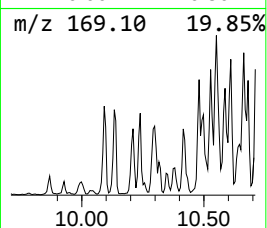
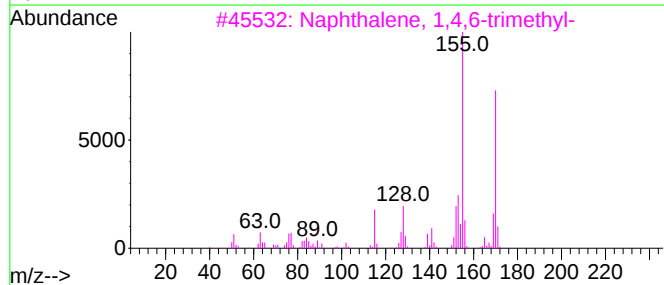
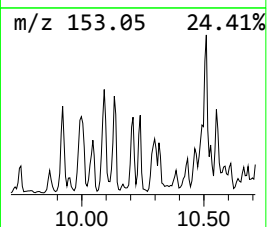
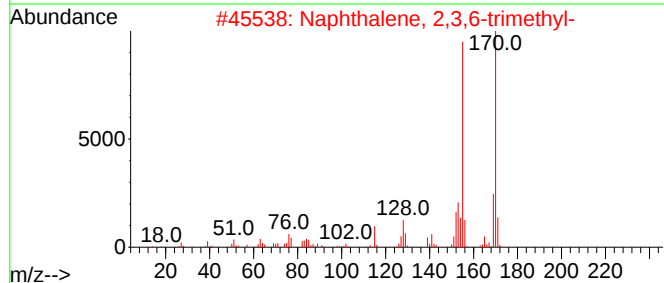
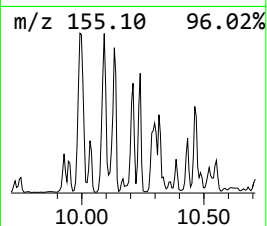
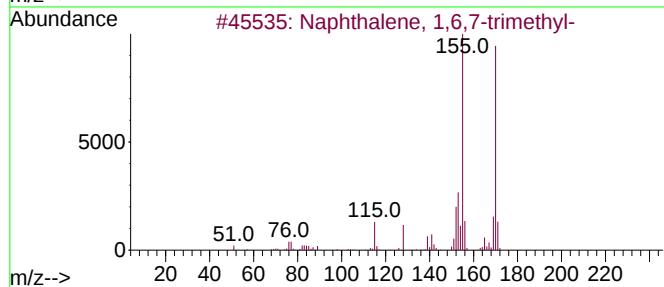
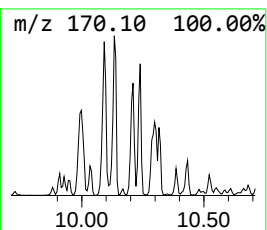
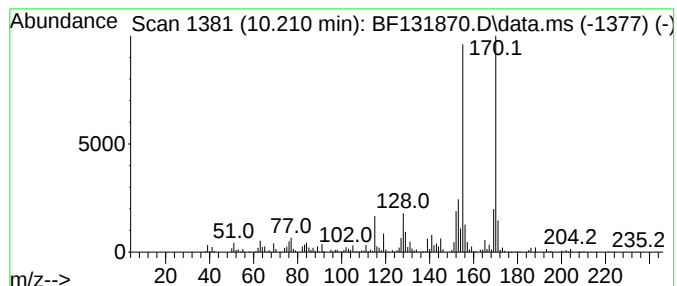
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.  |
|--------|----------|---------|------------------|-------|
| 10.210 | 30.31 ng | 1963540 | Acenaphthene-d10 | 9.886 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 98   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 93   |
| 5    |    |   | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

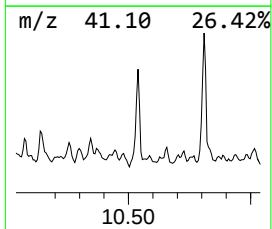
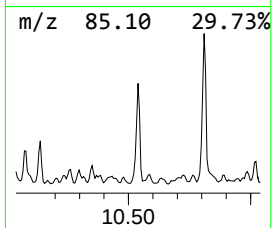
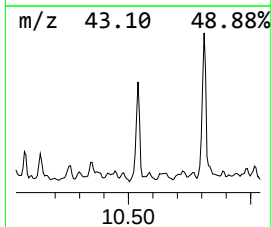
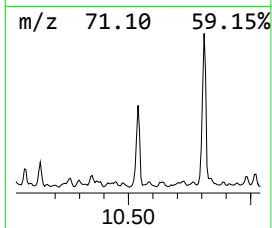
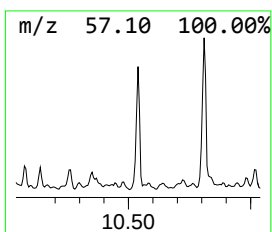
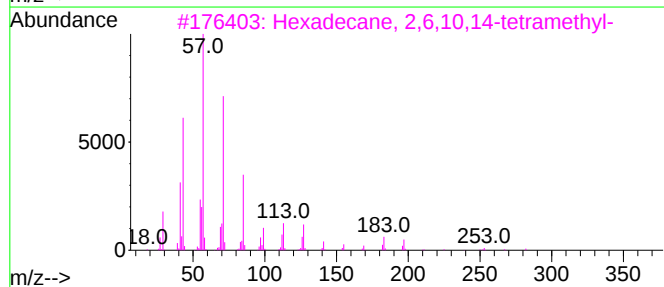
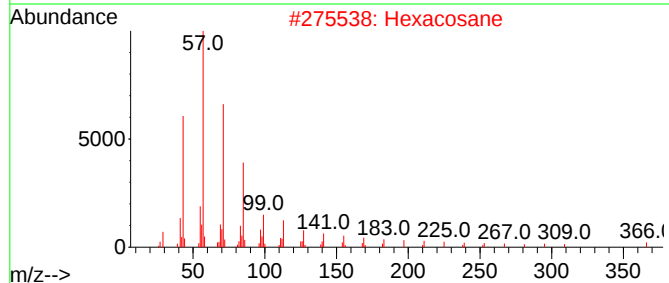
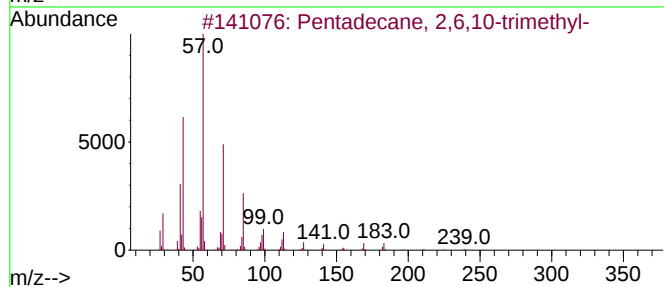
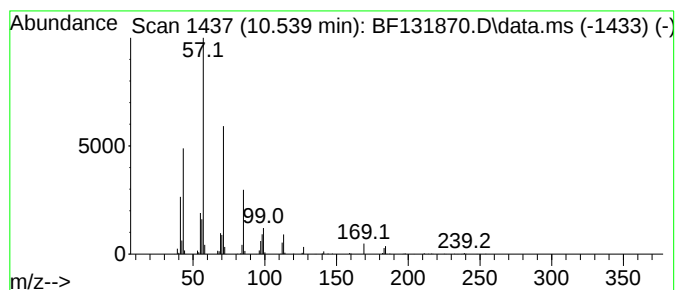
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Pentadecane, 2,6,10-trimethyl- Concentration Rank 5

| R.T.      | EstConc                            | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------------|---------|------------------|---------|-------------|------|
| 10.539    | 50.93 ng                           | 3300010 | Acenaphthene-d10 |         | 9.886       |      |
| Hit# of 5 | Tentative ID                       |         | MW               | MolForm | CAS#        | Qual |
| 1         | Pentadecane, 2,6,10-trimethyl-     |         | 254              | C18H38  | 003892-00-0 | 94   |
| 2         | Hexacosane                         |         | 366              | C26H54  | 000630-01-3 | 86   |
| 3         | Hexadecane, 2,6,10,14-tetramethyl- |         | 282              | C20H42  | 000638-36-8 | 80   |
| 4         | Hexadecane                         |         | 226              | C16H34  | 000544-76-3 | 80   |
| 5         | Decane, 2,6,8-trimethyl-           |         | 184              | C13H28  | 062108-26-3 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

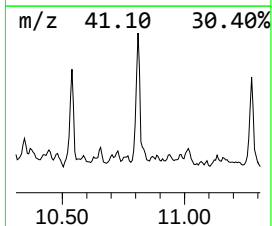
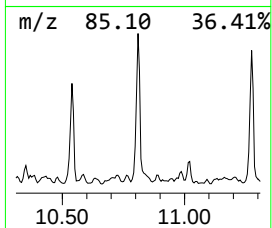
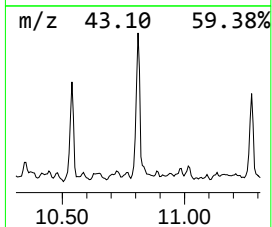
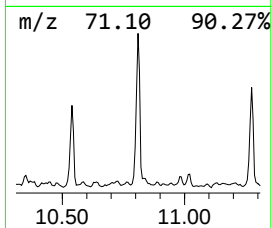
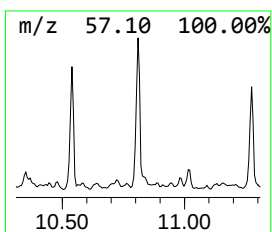
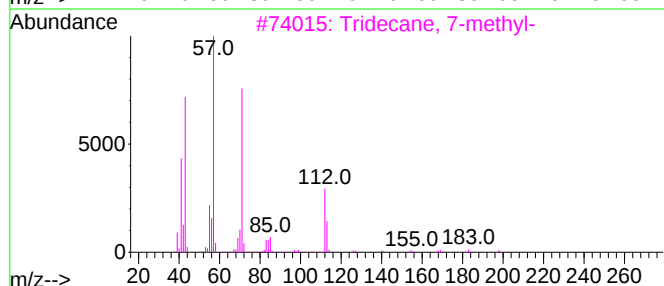
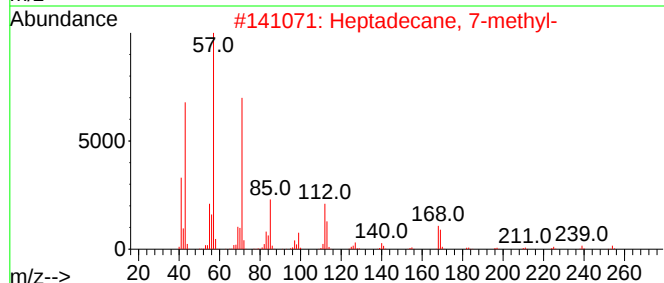
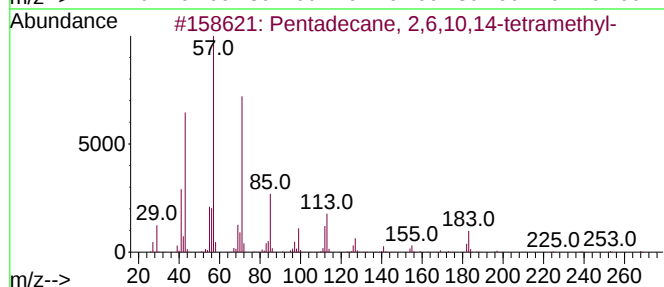
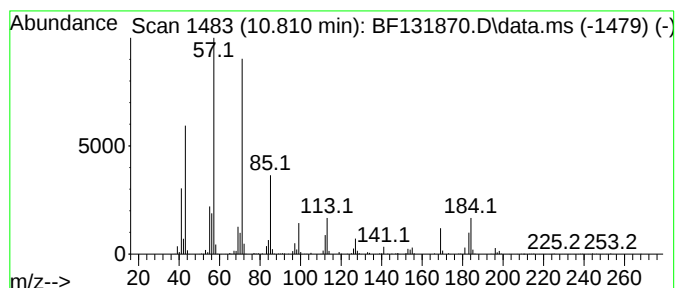
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 10.810    | 90.06 ng                            | 3484550 | Phenanthrene-d10 | 11.386       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Pentadecane, 2,6,10,14-tetramethyl- | 268     | C19H40           | 001921-70-6  | 83   |
| 2         | Heptadecane, 7-methyl-              | 254     | C18H38           | 020959-33-5  | 80   |
| 3         | Tridecane, 7-methyl-                | 198     | C14H30           | 026730-14-3  | 70   |
| 4         | Dodecane, 2,7,10-trimethyl-         | 212     | C15H32           | 074645-98-0  | 64   |
| 5         | Sulfurous acid, 2-ethylhexyl non... | 320     | C17H36O3S        | 1010309-19-2 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

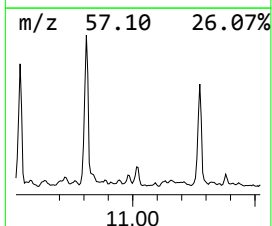
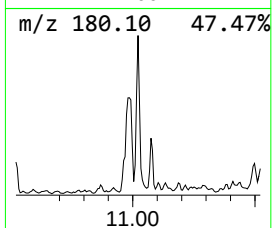
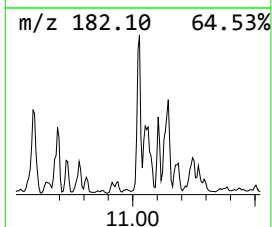
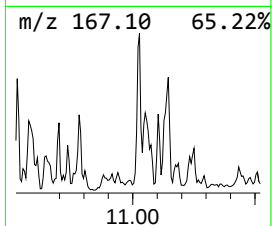
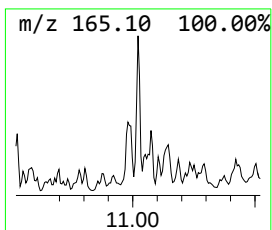
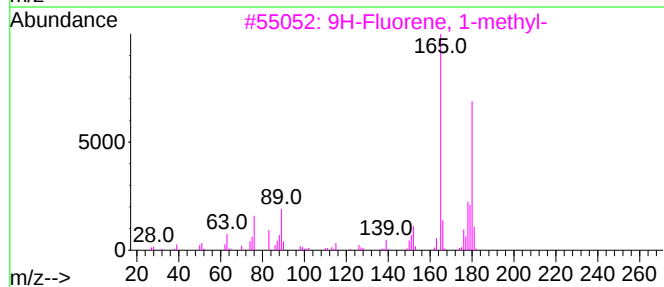
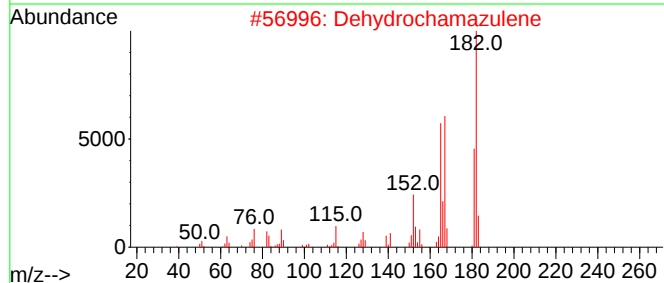
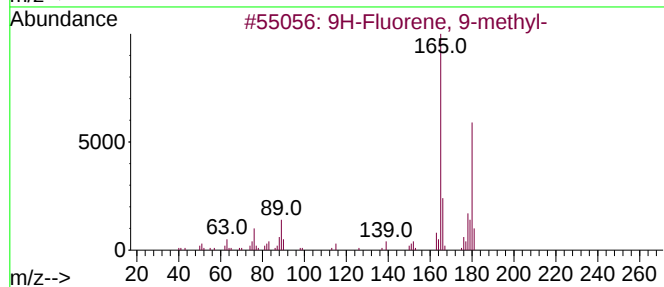
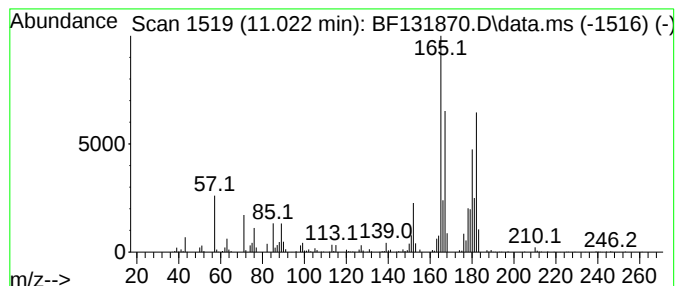
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ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 9H-Fluorene, 9-methyl- Concentration Rank 17

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 11.022    | 29.86 ng                            | 1155380 | Phenanthrene-d10 | 11.386      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | 9H-Fluorene, 9-methyl-              | 180     | C14H12           | 002523-37-7 | 86   |
| 2         | Dehydrochamazulene                  | 182     | C14H14           | 321732-25-6 | 78   |
| 3         | 9H-Fluorene, 1-methyl-              | 180     | C14H12           | 001730-37-6 | 70   |
| 4         | 4,4'-Dimethylbiphenyl               | 182     | C14H14           | 000613-33-2 | 60   |
| 5         | 1,4-Methanonaphthalene,1,4-dihyd... | 182     | C14H14           | 007350-72-3 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

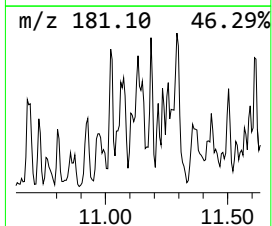
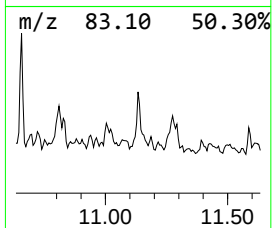
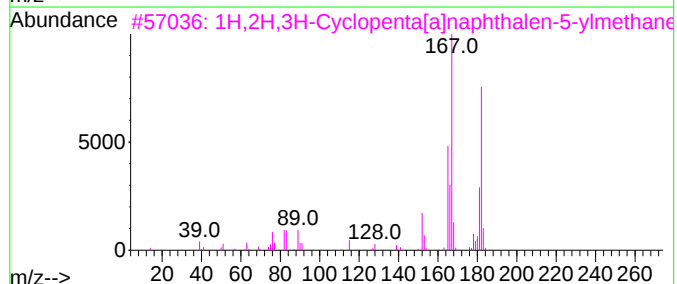
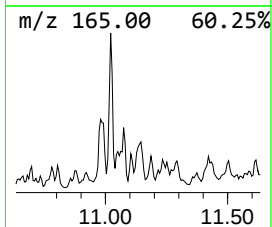
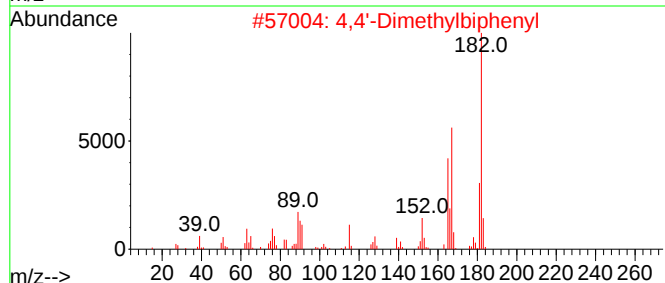
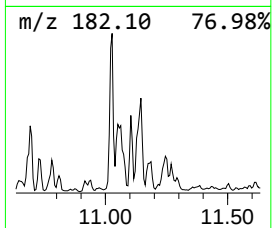
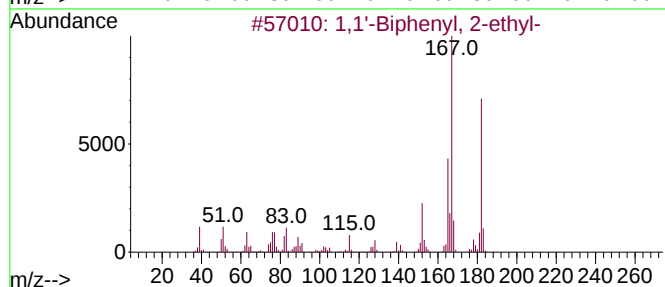
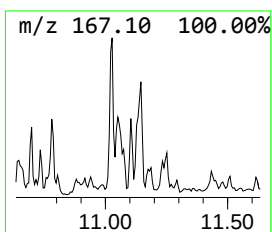
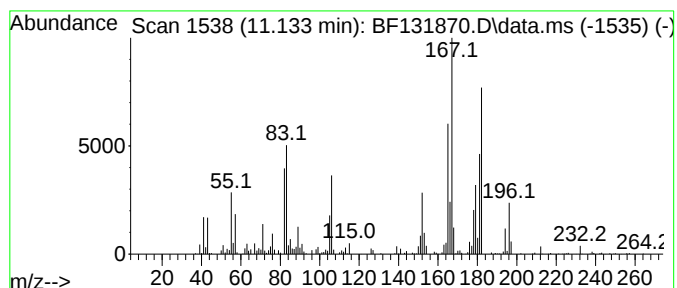
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 1,1'-Biphenyl, 2-ethyl- Concentration Rank 13

| R.T.   | EstConc  | Area                                | Relative to ISTD | R.T.        |      |
|--------|----------|-------------------------------------|------------------|-------------|------|
| 11.133 | 33.79 ng | 1307380                             | Phenanthrene-d10 | 11.386      |      |
| Hit#   | of 5     | Tentative ID                        | MW MolForm       | CAS#        | Qual |
| 1      |          | 1,1'-Biphenyl, 2-ethyl-             | 182 C14H14       | 001812-51-7 | 70   |
| 2      |          | 4,4'-Dimethylbiphenyl               | 182 C14H14       | 000613-33-2 | 68   |
| 3      |          | 1H,2H,3H-Cyclopenta[a]naphthalen... | 182 C14H14       | 001624-22-2 | 58   |
| 4      |          | 2,2'-Dimethylbiphenyl               | 182 C14H14       | 000605-39-0 | 58   |
| 5      |          | 1,1'-Biphenyl, 3,4'-dimethyl-       | 182 C14H14       | 007383-90-6 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

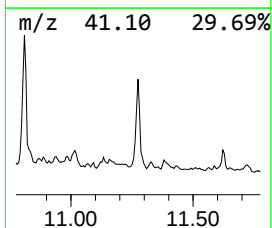
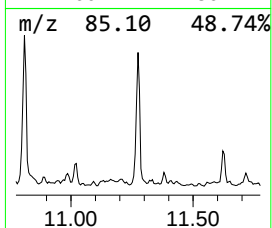
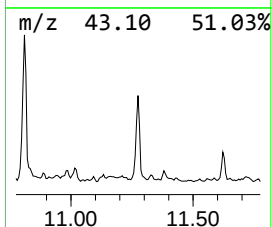
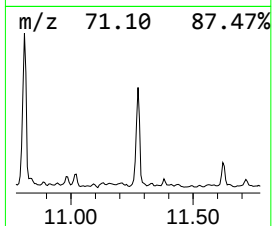
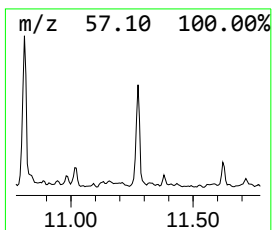
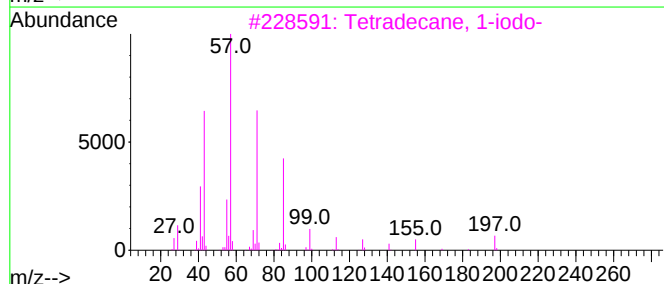
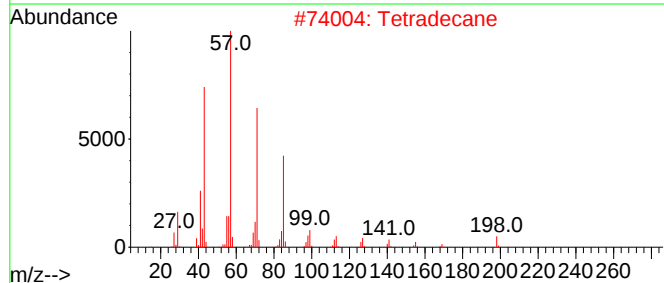
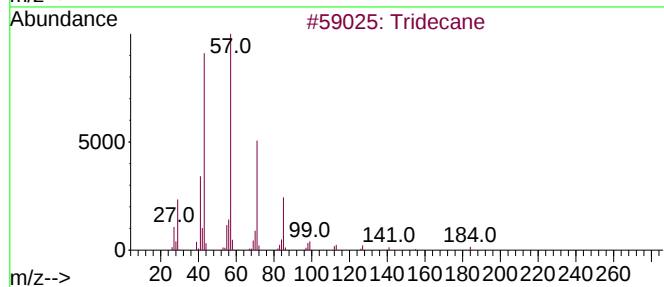
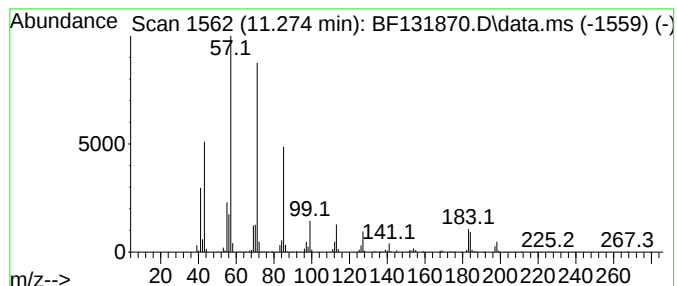
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Tridecane Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.275 | 74.49 ng | 2882140 | Phenanthrene-d10 | 11.386 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane            | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |    |   | Tetradecane          | 198 | C14H30  | 000629-59-4 | 83   |
| 3    |    |   | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 80   |
| 4    |    |   | Hexadecane, 1-iodo-  | 352 | C16H33I | 000544-77-4 | 80   |
| 5    |    |   | Octadecane           | 254 | C18H38  | 000593-45-3 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

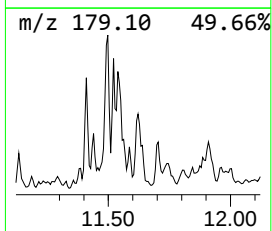
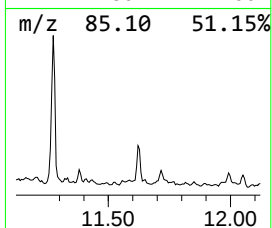
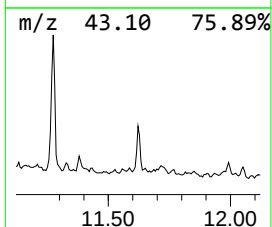
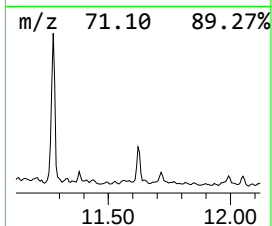
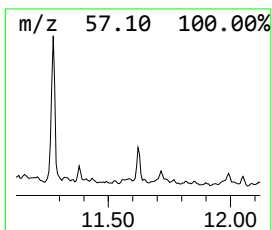
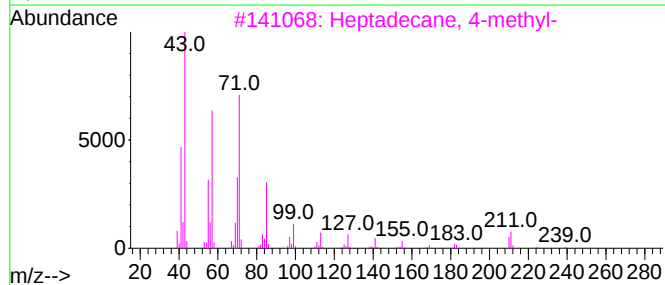
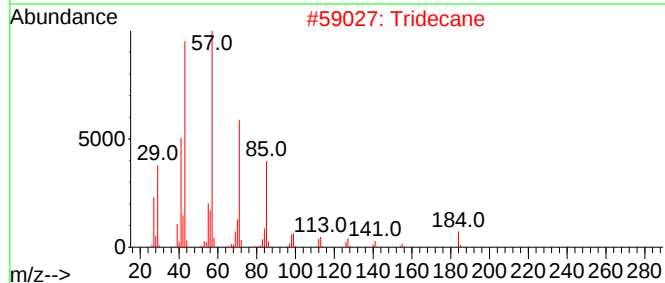
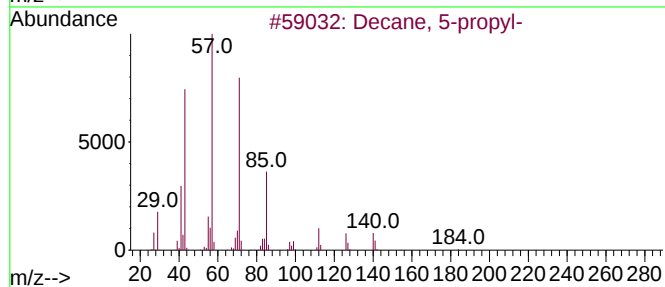
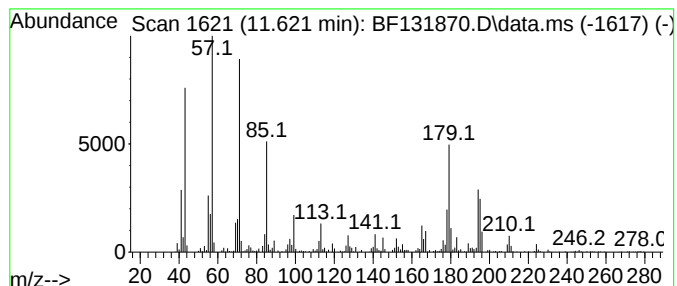
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TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown11.621 Concentration Rank 9

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.621 | 40.56 ng | 1569310 | Phenanthrene-d10 | 11.386 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | Decane, 5-propyl-      | 184 | C13H28  | 017312-62-8 | 46   |
| 2    |      | Tridecane              | 184 | C13H28  | 000629-50-5 | 46   |
| 3    |      | Heptadecane, 4-methyl- | 254 | C18H38  | 026429-11-8 | 43   |
| 4    |      | Pentacosane            | 352 | C25H52  | 000629-99-2 | 43   |
| 5    |      | Dodecane, 4-methyl-    | 184 | C13H28  | 006117-97-1 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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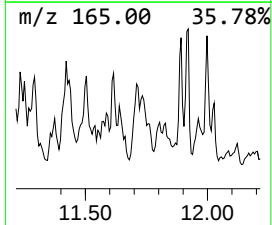
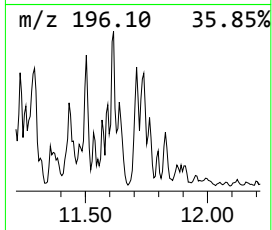
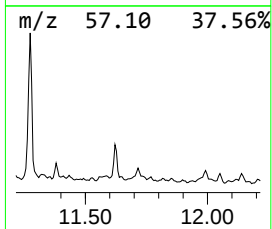
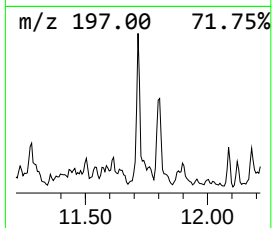
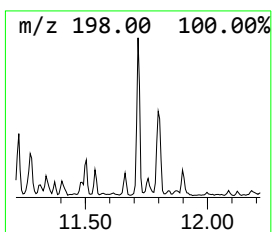
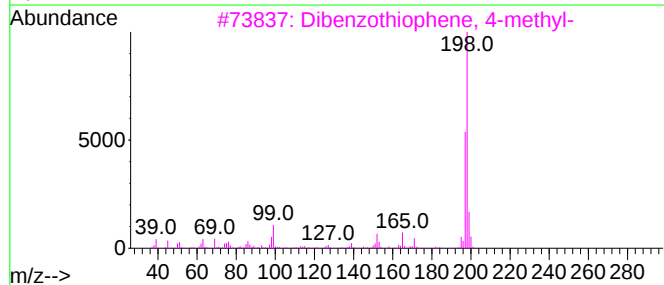
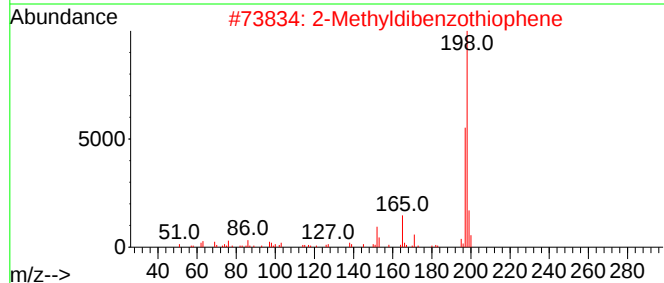
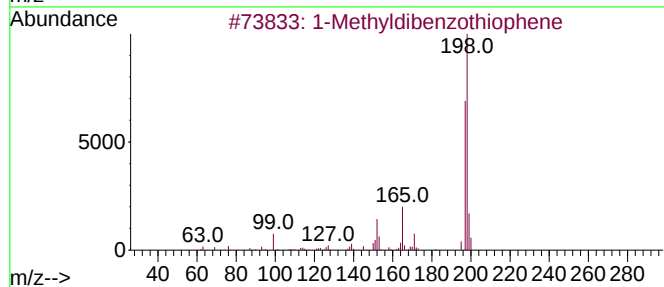
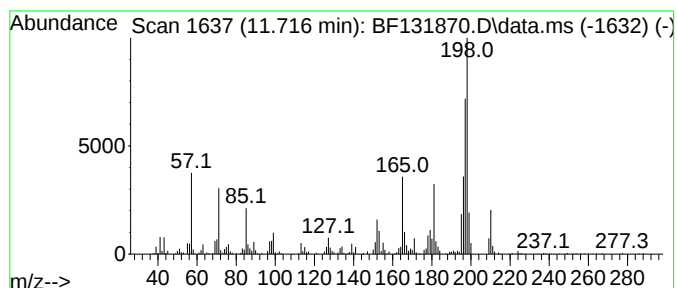
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 1-Methyldibenzothiophene Concentration Rank 18

| R.T.   | EstConc  | Area                                | Relative to ISTD | R.T.         |      |
|--------|----------|-------------------------------------|------------------|--------------|------|
| 11.716 | 28.76 ng | 1112650                             | Phenanthrene-d10 | 11.386       |      |
| Hit#   | of 5     | Tentative ID                        | MW MolForm       | CAS#         | Qual |
| 1      |          | 1-Methyldibenzothiophene            | 198 C13H10S      | 031317-07-4  | 78   |
| 2      |          | 2-Methyldibenzothiophene            | 198 C13H10S      | 1000383-55-1 | 58   |
| 3      |          | Dibenzothiophene, 4-methyl-         | 198 C13H10S      | 007372-88-5  | 55   |
| 4      |          | Pyridine, 4-(4-dimethylaminophen... | 198 C13H14N2     | 001137-80-0  | 55   |
| 5      |          | Benzenamine, 4,4'-methylenebis-     | 198 C13H14N2     | 000101-77-9  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

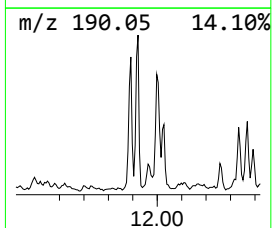
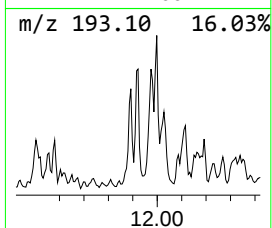
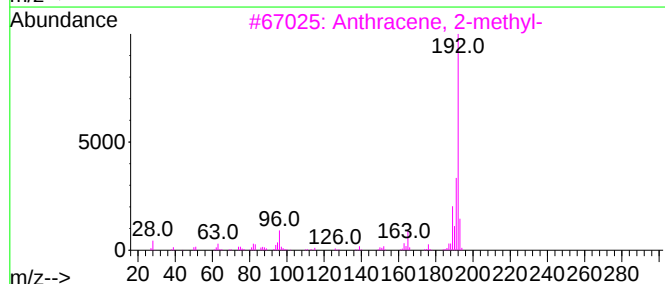
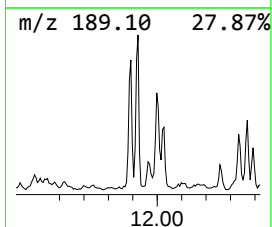
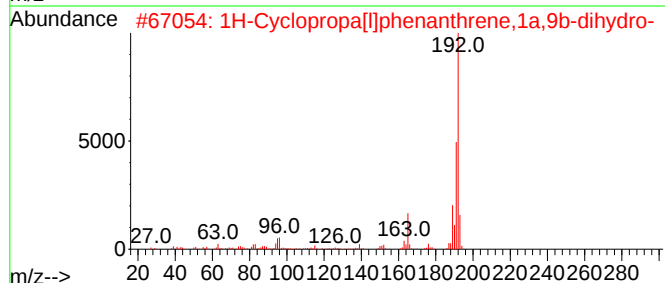
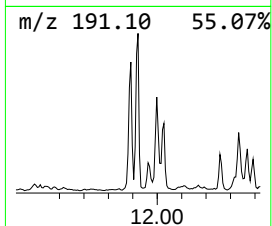
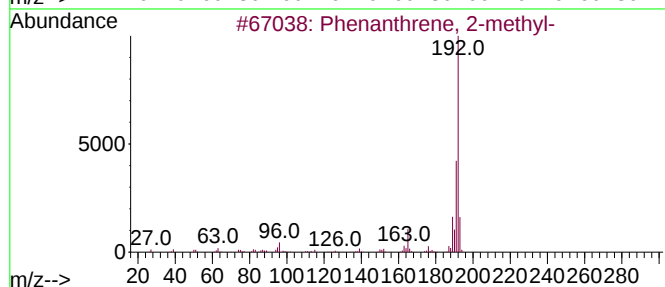
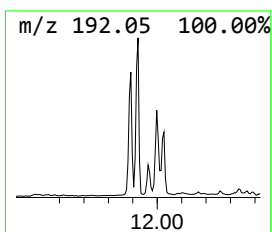
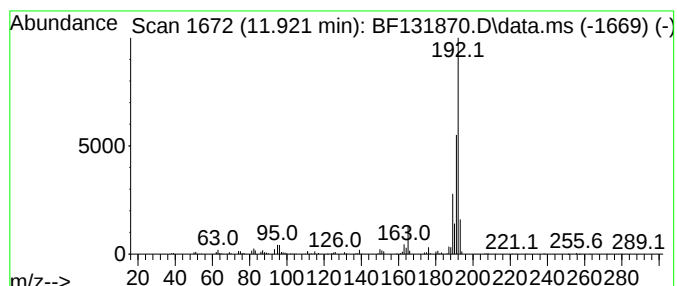
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                             | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|---------|-------------|------|
| 11.922    | 28.20 ng                            | 1091030 | Phenanthrene-d10 |         | 11.386      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-             |         | 192              | C15H12  | 002531-84-2 | 96   |
| 2         | 1H-Cyclopropa[1]phenanthrene,1a,... |         | 192              | C15H12  | 000949-41-7 | 94   |
| 3         | Anthracene, 2-methyl-               |         | 192              | C15H12  | 000613-12-7 | 94   |
| 4         | Anthracene, 9-methyl-               |         | 192              | C15H12  | 000779-02-2 | 93   |
| 5         | Anthracene, 1-methyl-               |         | 192              | C15H12  | 000610-48-0 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122822\  
Data File : BF131870.D  
Acq On : 28 Dec 2022 20:08  
Operator : CG\JU  
Sample : N6220-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Dodecane, 2,6,1... | 9.145  | 43.1    | ng    | 2791260  | 3                     | 9.886  | 1295800 | 20.0 |
| Cyclopentadecane   | 9.280  | 25.9    | ng    | 1677790  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1-... | 9.404  | 39.6    | ng    | 2565950  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1,... | 9.480  | 65.1    | ng    | 4218620  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1,... | 9.551  | 79.6    | ng    | 5160120  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1,... | 9.580  | 41.1    | ng    | 2664050  | 3                     | 9.886  | 1295800 | 20.0 |
| Pentadecane        | 9.604  | 47.3    | ng    | 3063810  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 2,... | 9.669  | 30.2    | ng    | 1954920  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 2-... | 9.992  | 35.8    | ng    | 2318850  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1,... | 10.092 | 39.9    | ng    | 2583300  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 1,... | 10.139 | 33.2    | ng    | 2149720  | 3                     | 9.886  | 1295800 | 20.0 |
| Naphthalene, 2,... | 10.210 | 30.3    | ng    | 1963540  | 3                     | 9.886  | 1295800 | 20.0 |
| Pentadecane, 2,... | 10.539 | 50.9    | ng    | 3300010  | 3                     | 9.886  | 1295800 | 20.0 |
| Pentadecane, 2,... | 10.810 | 90.1    | ng    | 3484550  | 4                     | 11.386 | 773860  | 20.0 |
| 9H-Fluorene, 9-... | 11.022 | 29.9    | ng    | 1155380  | 4                     | 11.386 | 773860  | 20.0 |
| 1,1'-Biphenyl, ... | 11.133 | 33.8    | ng    | 1307380  | 4                     | 11.386 | 773860  | 20.0 |
| Tridecane          | 11.275 | 74.5    | ng    | 2882140  | 4                     | 11.386 | 773860  | 20.0 |
| unknown11.621      | 11.621 | 40.6    | ng    | 1569310  | 4                     | 11.386 | 773860  | 20.0 |
| 1-Methyldibenzo... | 11.716 | 28.8    | ng    | 1112650  | 4                     | 11.386 | 773860  | 20.0 |
| Phenanthrene, 2... | 11.922 | 28.2    | ng    | 1091030  | 4                     | 11.386 | 773860  | 20.0 |