

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
 Data File : BF135860.D  
 Acq On : 18 Oct 2023 21:56  
 Operator : CG\JU  
 Sample : 04846-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE

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-BF101323.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135860.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         | 4.981       | 489           | 492         | 505          | rBV      | 119911         | 209562        | 7.44%           | 0.379%        |
| 2         | 5.381       | 556           | 560         | 578          | rBV      | 2638536        | 2816788       | 100.00%         | 5.093%        |
| 3         | 6.257       | 706           | 709         | 717          | rBV      | 107656         | 114655        | 4.07%           | 0.207%        |
| 4         | 6.398       | 729           | 733         | 741          | rBV      | 2675991        | 2653653       | 94.21%          | 4.798%        |
| 5         | 6.740       | 788           | 791         | 795          | rVB      | 809410         | 678040        | 24.07%          | 1.226%        |
| 6         | 6.875       | 811           | 814         | 818          | rBV      | 111784         | 118285        | 4.20%           | 0.214%        |
| 7         | 7.004       | 830           | 836         | 839          | rVB3     | 154151         | 225245        | 8.00%           | 0.407%        |
| 8         | 7.069       | 843           | 847         | 852          | rBV2     | 191902         | 191667        | 6.80%           | 0.347%        |
| 9         | 7.116       | 852           | 855         | 858          | rBV2     | 250136         | 221866        | 7.88%           | 0.401%        |
| 10        | 7.251       | 873           | 878         | 879          | rVV2     | 112090         | 138751        | 4.93%           | 0.251%        |
| 11        | 7.269       | 879           | 881         | 884          | rVV      | 212769         | 204881        | 7.27%           | 0.370%        |
| 12        | 7.310       | 884           | 888         | 891          | rVV      | 2056361        | 1906650       | 67.69%          | 3.447%        |
| 13        | 7.375       | 894           | 899         | 902          | rVB4     | 159521         | 263603        | 9.36%           | 0.477%        |
| 14        | 7.440       | 902           | 910         | 914          | rBV3     | 169783         | 330451        | 11.73%          | 0.597%        |
| 15        | 7.510       | 919           | 922         | 924          | rBV2     | 243323         | 237841        | 8.44%           | 0.430%        |
| 16        | 7.534       | 924           | 926         | 929          | rVB      | 202525         | 154467        | 5.48%           | 0.279%        |
| 17        | 7.628       | 936           | 942         | 943          | rBV4     | 192276         | 262348        | 9.31%           | 0.474%        |
| 18        | 7.645       | 943           | 945         | 950          | rVV4     | 202699         | 223652        | 7.94%           | 0.404%        |
| 19        | 7.692       | 950           | 953         | 956          | rVV2     | 285744         | 333258        | 11.83%          | 0.603%        |
| 20        | 7.728       | 956           | 959         | 961          | rVB      | 285942         | 215300        | 7.64%           | 0.389%        |
| 21        | 7.751       | 961           | 963         | 968          | rBV4     | 179674         | 304250        | 10.80%          | 0.550%        |
| 22        | 7.804       | 970           | 972         | 974          | rVB      | 206332         | 154010        | 5.47%           | 0.278%        |
| 23        | 7.887       | 983           | 986         | 989          | rVB2     | 190329         | 187881        | 6.67%           | 0.340%        |
| 24        | 7.945       | 993           | 996         | 998          | rBV3     | 111820         | 117835        | 4.18%           | 0.213%        |
| 25        | 8.016       | 1001          | 1008        | 1013         | rVV2     | 784165         | 1232465       | 43.75%          | 2.228%        |
| 26        | 8.075       | 1013          | 1018        | 1020         | rVV2     | 1038004        | 983288        | 34.91%          | 1.778%        |
| 27        | 8.104       | 1020          | 1023        | 1025         | rVV      | 207374         | 176961        | 6.28%           | 0.320%        |
| 28        | 8.128       | 1025          | 1027        | 1030         | rVB2     | 143051         | 123725        | 4.39%           | 0.224%        |
| 29        | 8.169       | 1030          | 1034        | 1036         | rBV2     | 157615         | 189158        | 6.72%           | 0.342%        |
| 30        | 8.210       | 1039          | 1041        | 1044         | rVB2     | 364583         | 324159        | 11.51%          | 0.586%        |
| 31        | 8.304       | 1052          | 1057        | 1064         | rBV6     | 502533         | 835089        | 29.65%          | 1.510%        |
| 32        | 8.357       | 1064          | 1066        | 1070         | rVB2     | 364868         | 278511        | 9.89%           | 0.504%        |
| 33        | 8.398       | 1070          | 1073        | 1075         | rVB2     | 270304         | 239407        | 8.50%           | 0.433%        |
| 34        | 8.439       | 1075          | 1080        | 1082         | rBV      | 1132902        | 1168509       | 41.48%          | 2.113%        |
| 35        | 8.522       | 1090          | 1094        | 1096         | rBV3     | 408757         | 402170        | 14.28%          | 0.727%        |
| 36        | 8.551       | 1096          | 1099        | 1101         | rVV2     | 260288         | 260437        | 9.25%           | 0.471%        |

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 Sample : 04846-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE

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-BF101323.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.581 | 1101 | 1104 | 1106 | rVV  | 163752 | 170961 | 6.07%  | 0.309% |
| 38 | 8.616 | 1106 | 1110 | 1112 | rVV3 | 205551 | 339196 | 12.04% | 0.613% |
| 39 | 8.645 | 1112 | 1115 | 1117 | rVV3 | 227326 | 343334 | 12.19% | 0.621% |
| 40 | 8.675 | 1117 | 1120 | 1122 | rVV4 | 334760 | 467115 | 16.58% | 0.845% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 41 | 8.704 | 1122 | 1125 | 1128 | rVB2 | 535646 | 548689 | 19.48% | 0.992% |
| 42 | 8.734 | 1128 | 1130 | 1132 | rBV3 | 129184 | 121699 | 4.32%  | 0.220% |
| 43 | 8.834 | 1145 | 1147 | 1150 | rVB2 | 485811 | 495777 | 17.60% | 0.896% |
| 44 | 8.892 | 1155 | 1157 | 1159 | rBV2 | 262141 | 202355 | 7.18%  | 0.366% |
| 45 | 8.922 | 1159 | 1162 | 1167 | rVB4 | 385634 | 468461 | 16.63% | 0.847% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 46 | 8.963 | 1167 | 1169 | 1171 | rVB2 | 177188  | 138296  | 4.91%  | 0.250% |
| 47 | 9.039 | 1178 | 1182 | 1184 | rBV  | 1540097 | 1232435 | 43.75% | 2.228% |
| 48 | 9.098 | 1189 | 1192 | 1195 | rVB  | 3066826 | 2726669 | 96.80% | 4.930% |
| 49 | 9.169 | 1200 | 1204 | 1205 | rBV3 | 378672  | 425813  | 15.12% | 0.770% |
| 50 | 9.216 | 1210 | 1212 | 1214 | rBV2 | 248119  | 256876  | 9.12%  | 0.464% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 51 | 9.245 | 1214 | 1217 | 1220 | rVB4 | 348716 | 357242 | 12.68% | 0.646% |
| 52 | 9.292 | 1223 | 1225 | 1231 | rVB  | 423933 | 377932 | 13.42% | 0.683% |
| 53 | 9.363 | 1234 | 1237 | 1241 | rBV  | 735049 | 905522 | 32.15% | 1.637% |
| 54 | 9.404 | 1242 | 1244 | 1246 | rBV3 | 179721 | 168956 | 6.00%  | 0.305% |
| 55 | 9.434 | 1246 | 1249 | 1252 | rBV  | 793045 | 867815 | 30.81% | 1.569% |

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 56 | 9.463 | 1252 | 1254 | 1257 | rVV2 | 572111  | 807332  | 28.66% | 1.460% |
| 57 | 9.498 | 1257 | 1260 | 1262 | rVB  | 1862546 | 1449712 | 51.47% | 2.621% |
| 58 | 9.522 | 1262 | 1264 | 1267 | rVB3 | 296927  | 252858  | 8.98%  | 0.457% |
| 59 | 9.557 | 1267 | 1270 | 1273 | rBV3 | 405505  | 416430  | 14.78% | 0.753% |
| 60 | 9.639 | 1281 | 1284 | 1288 | rVB2 | 404303  | 417088  | 14.81% | 0.754% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 61 | 9.675 | 1288 | 1290 | 1293 | rVB2 | 455625 | 402483 | 14.29% | 0.728% |
| 62 | 9.716 | 1295 | 1297 | 1299 | rVB3 | 140904 | 104435 | 3.71%  | 0.189% |
| 63 | 9.775 | 1305 | 1307 | 1310 | rVB  | 683087 | 602104 | 21.38% | 1.089% |
| 64 | 9.881 | 1322 | 1325 | 1330 | rVB  | 605374 | 650949 | 23.11% | 1.177% |
| 65 | 9.928 | 1330 | 1333 | 1336 | rBV4 | 246230 | 324848 | 11.53% | 0.587% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 66 | 9.981  | 1337 | 1342 | 1346 | rVB2 | 587808 | 972411 | 34.52% | 1.758% |
| 67 | 10.028 | 1346 | 1350 | 1353 | rBV3 | 719803 | 872370 | 30.97% | 1.577% |
| 68 | 10.098 | 1358 | 1362 | 1365 | rBV2 | 536917 | 662188 | 23.51% | 1.197% |
| 69 | 10.128 | 1365 | 1367 | 1369 | rBV  | 399213 | 351608 | 12.48% | 0.636% |
| 70 | 10.186 | 1373 | 1377 | 1379 | rBV4 | 347811 | 533196 | 18.93% | 0.964% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 71 | 10.233 | 1382 | 1385 | 1388 | rBV2 | 176041  | 172329  | 6.12%  | 0.312% |
| 72 | 10.263 | 1388 | 1390 | 1391 | rBV2 | 163898  | 123247  | 4.38%  | 0.223% |
| 73 | 10.322 | 1396 | 1400 | 1402 | rBV3 | 351071  | 502836  | 17.85% | 0.909% |
| 74 | 10.428 | 1414 | 1418 | 1424 | rVB  | 1353385 | 1639412 | 58.20% | 2.964% |
| 75 | 10.475 | 1424 | 1426 | 1432 | rVB4 | 233059  | 360036  | 12.78% | 0.651% |

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 76 | 10.545 | 1436 | 1438 | 1440 | rVB2 | 163176 | 139981 | 4.97% | 0.253% |
|----|--------|------|------|------|------|--------|--------|-------|--------|

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE

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-BF101323.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 10.580 | 1440 | 1444 | 1447 | rBV  | 1666357 | 1659212 | 58.90% | 3.000% |
| 78  | 10.645 | 1453 | 1455 | 1459 | rBV5 | 137467  | 193256  | 6.86%  | 0.349% |
| 79  | 10.698 | 1460 | 1464 | 1471 | rVB  | 2568632 | 2656138 | 94.30% | 4.802% |
| 80  | 10.769 | 1474 | 1476 | 1479 | rVV2 | 146432  | 159539  | 5.66%  | 0.288% |
| 81  | 10.875 | 1491 | 1494 | 1498 | rBV6 | 197368  | 310927  | 11.04% | 0.562% |
| 82  | 10.910 | 1498 | 1500 | 1503 | rVB2 | 400639  | 327290  | 11.62% | 0.592% |
| 83  | 11.116 | 1533 | 1535 | 1538 | rBV3 | 133571  | 143264  | 5.09%  | 0.259% |
| 84  | 11.163 | 1539 | 1543 | 1549 | rVB  | 1508277 | 1711886 | 60.77% | 3.095% |
| 85  | 11.275 | 1559 | 1562 | 1564 | rBV  | 890588  | 786556  | 27.92% | 1.422% |
| 86  | 11.298 | 1564 | 1566 | 1569 | rVB  | 347376  | 284008  | 10.08% | 0.513% |
| 87  | 11.516 | 1599 | 1603 | 1606 | rBV  | 423306  | 480567  | 17.06% | 0.869% |
| 88  | 11.780 | 1645 | 1648 | 1650 | rBV  | 262190  | 213461  | 7.58%  | 0.386% |
| 89  | 11.810 | 1650 | 1653 | 1656 | rVB  | 597340  | 490965  | 17.43% | 0.888% |
| 90  | 11.886 | 1664 | 1666 | 1669 | rVB2 | 262143  | 198894  | 7.06%  | 0.360% |
| 91  | 12.257 | 1726 | 1729 | 1732 | rVB2 | 214454  | 245237  | 8.71%  | 0.443% |
| 92  | 12.333 | 1739 | 1742 | 1745 | rVB  | 230597  | 196036  | 6.96%  | 0.354% |
| 93  | 12.498 | 1768 | 1770 | 1776 | rBV  | 225209  | 191210  | 6.79%  | 0.346% |
| 94  | 12.598 | 1784 | 1787 | 1793 | rVB4 | 119256  | 180118  | 6.39%  | 0.326% |
| 95  | 12.733 | 1807 | 1810 | 1816 | rVB2 | 155983  | 206562  | 7.33%  | 0.373% |
| 96  | 12.786 | 1816 | 1819 | 1822 | rVB3 | 106789  | 112127  | 3.98%  | 0.203% |
| 97  | 12.874 | 1829 | 1834 | 1837 | rVB  | 2447707 | 2552701 | 90.62% | 4.615% |
| 98  | 13.939 | 2011 | 2015 | 2018 | rBV  | 453019  | 472245  | 16.77% | 0.854% |
| 99  | 14.768 | 2152 | 2156 | 2163 | rVB  | 188097  | 199033  | 7.07%  | 0.360% |
| 100 | 15.415 | 2261 | 2266 | 2276 | rBV  | 341770  | 485776  | 17.25% | 0.878% |

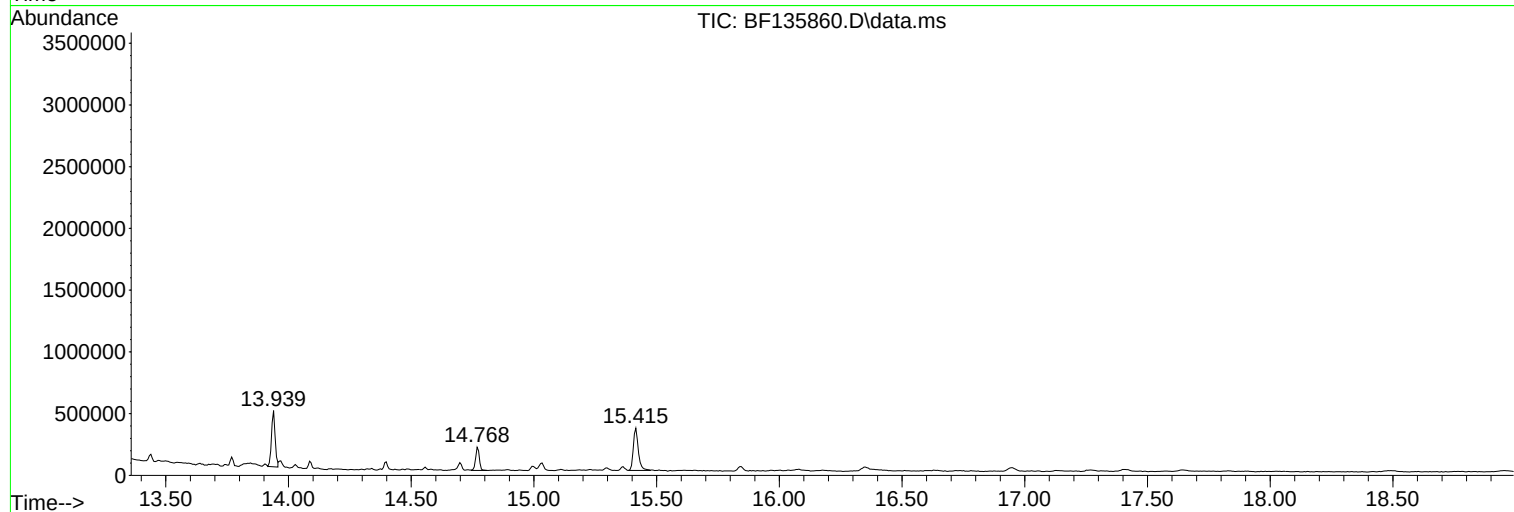
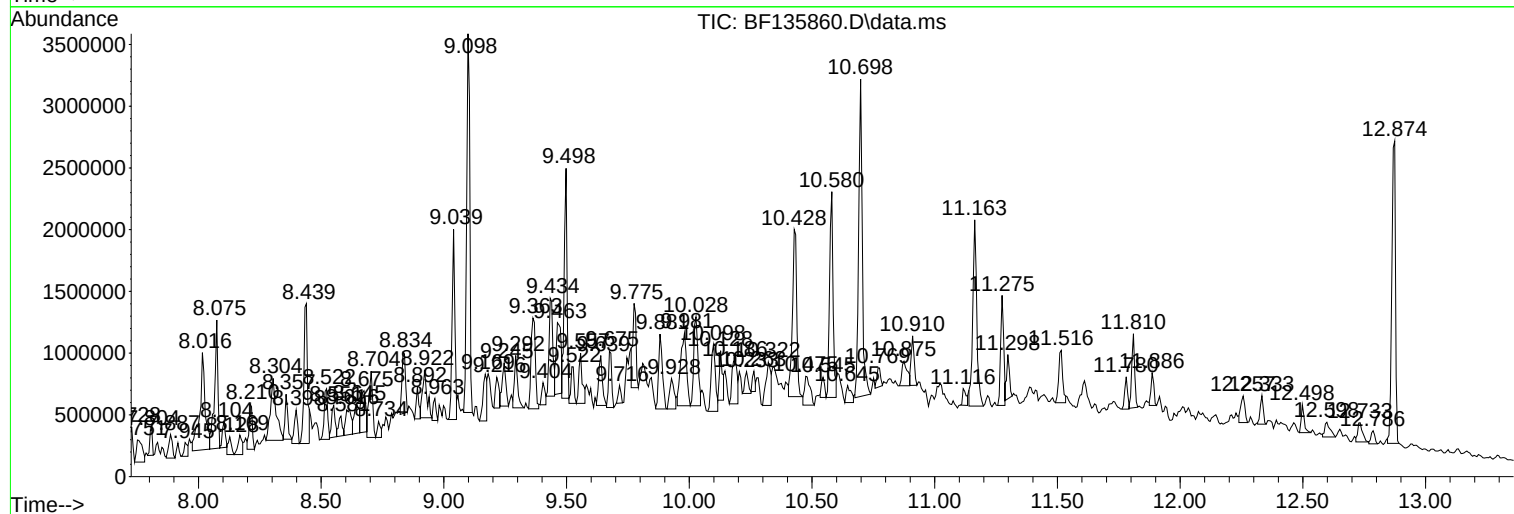
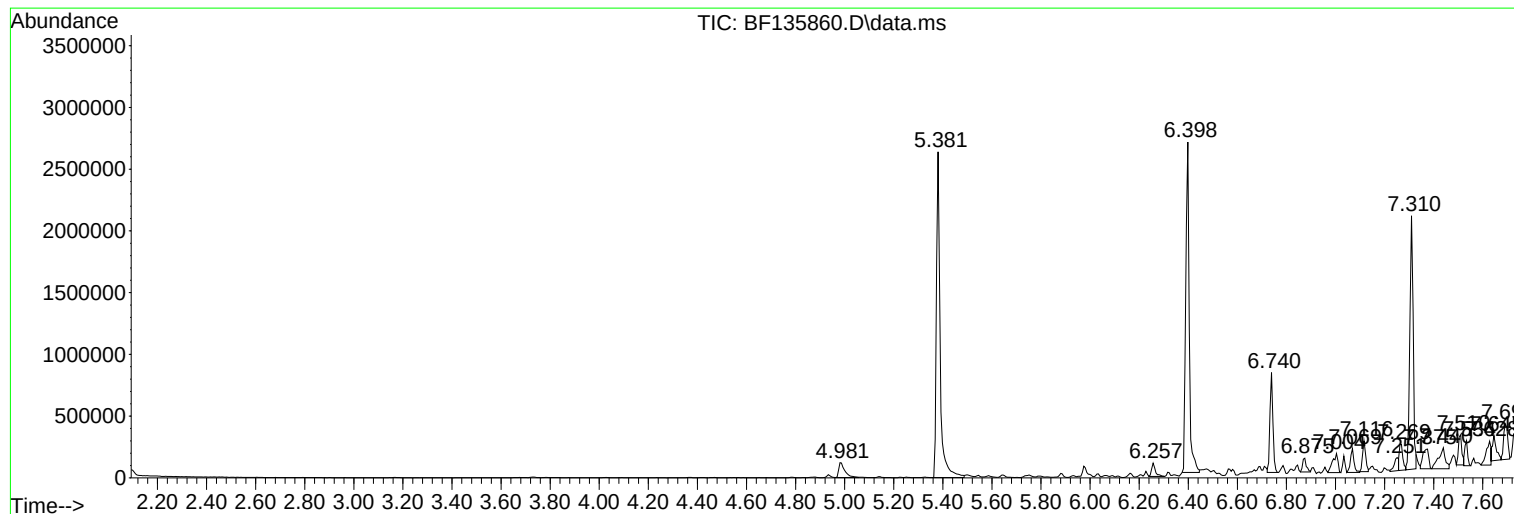
Sum of corrected areas: 55308822

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BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.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\BF101823\  
Data File : BF135860.D  
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Sample : 04846-01  
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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

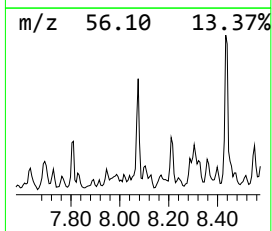
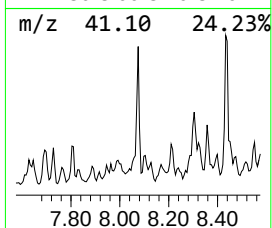
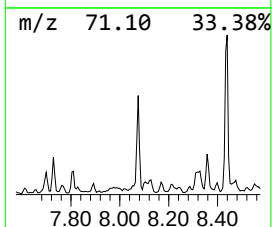
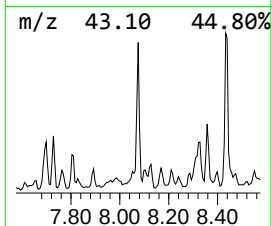
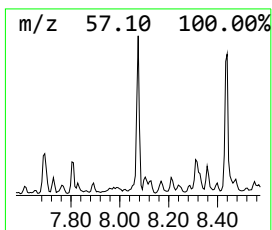
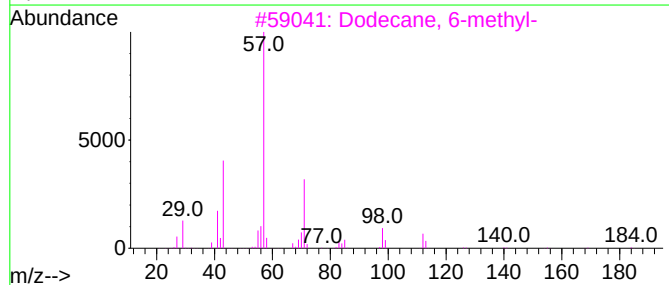
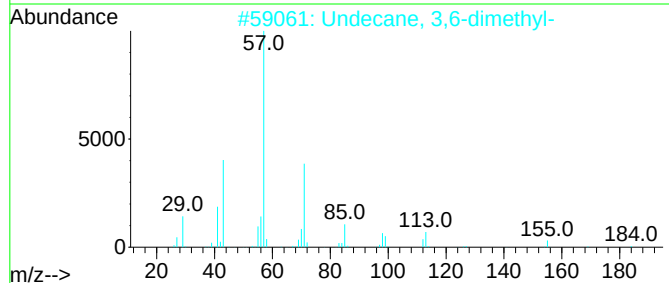
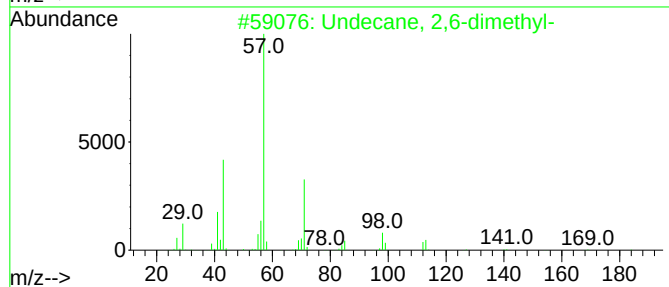
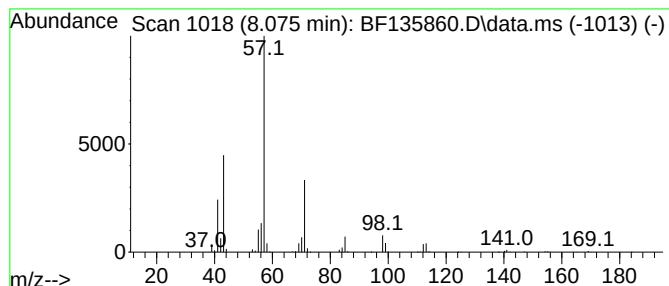
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 15

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.075 | 15.96 ng | 983288 | Naphthalene-d8   | 8.016 |

| Hit# | of 5                     | Tentative ID | MW      | MolForm      | CAS# | Qual |
|------|--------------------------|--------------|---------|--------------|------|------|
| 1    | Undecane, 2,6-dimethyl-  | 184          | C13H28  | 017301-23-4  | 95   |      |
| 2    | Undecane, 3,6-dimethyl-  | 184          | C13H28  | 017301-28-9  | 90   |      |
| 3    | Dodecane, 6-methyl-      | 184          | C13H28  | 006044-71-9  | 72   |      |
| 4    | Decane, 2,5,9-trimethyl- | 184          | C13H28  | 062108-22-9  | 72   |      |
| 5    | Eicosyl octyl ether      | 410          | C28H58O | 1000406-38-8 | 59   |      |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

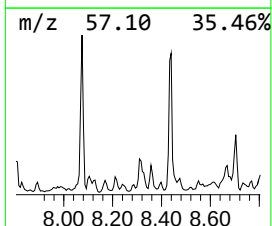
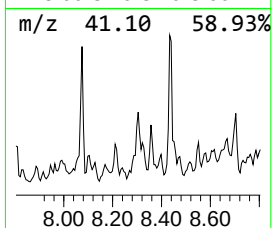
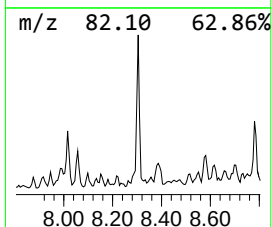
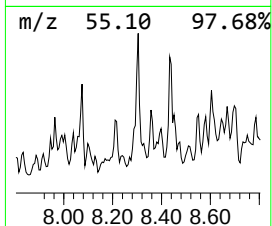
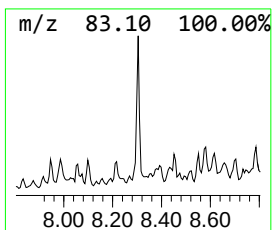
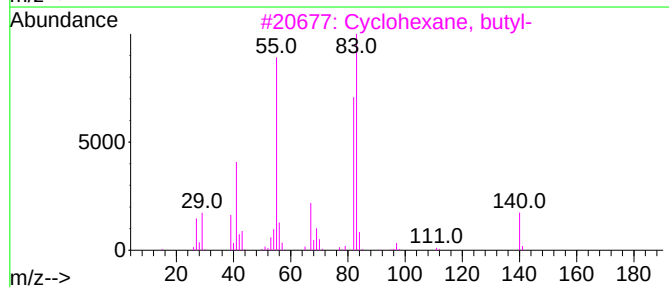
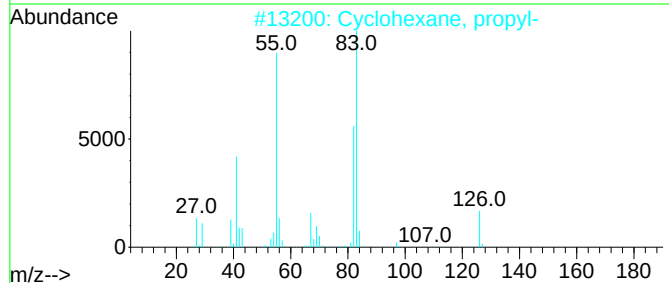
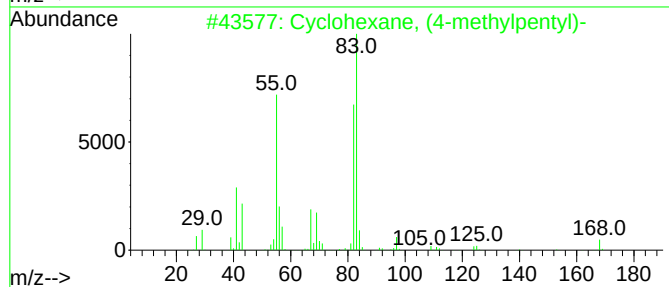
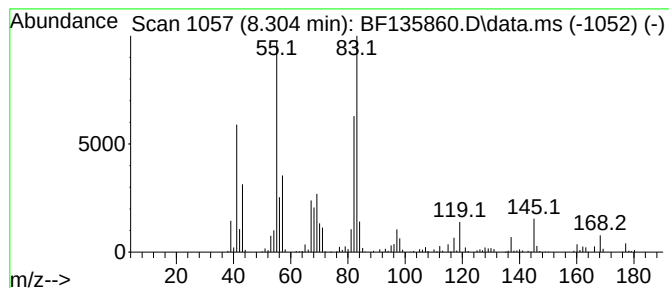
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Cyclohexane, (4-methylpentyl)- Concentration Rank 20

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.304 | 13.55 ng | 835089 | Naphthalene-d8   | 8.016 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 74   |
| 2    |      | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 59   |
| 3    |      | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 59   |
| 4    |      | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 59   |
| 5    |      | Cyclohexane, 2-propenyl-       | 124 | C9H16   | 002114-42-3 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

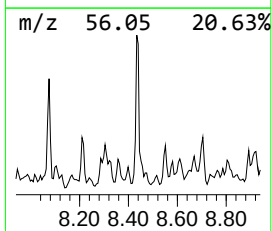
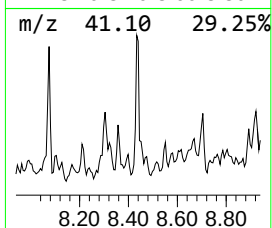
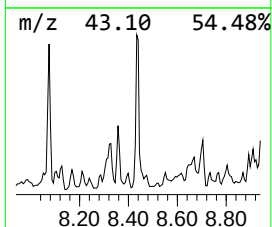
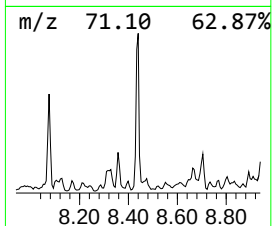
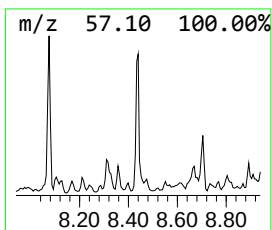
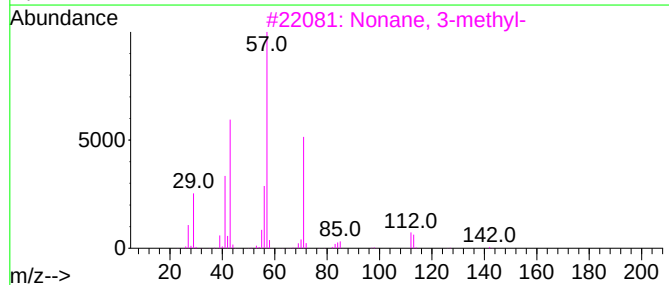
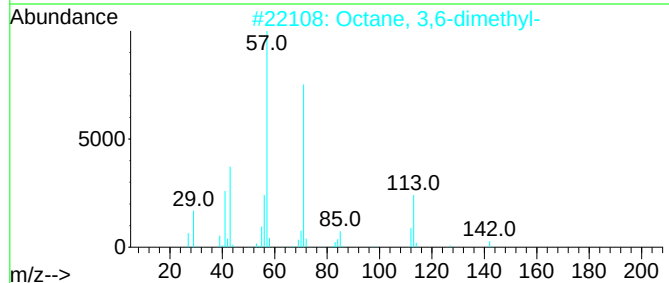
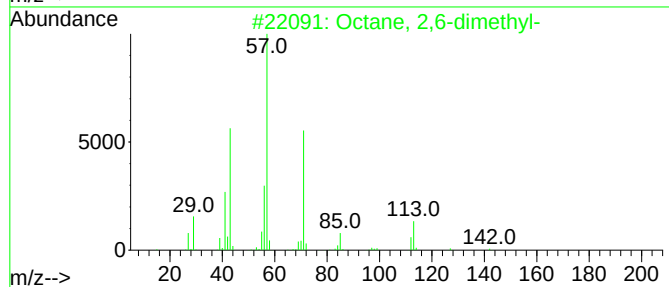
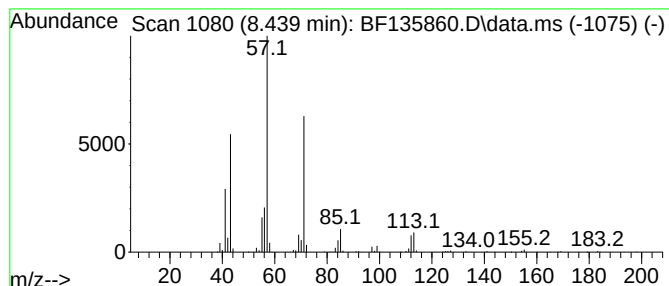
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.439 | 18.96 ng | 1168510 | Naphthalene-d8   | 8.016 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | Octane, 2,6-dimethyl-               |   |              | 142 | C10H22    | 002051-30-1  | 78   |
| 2    | Octane, 3,6-dimethyl-               |   |              | 142 | C10H22    | 015869-94-0  | 72   |
| 3    | Nonane, 3-methyl-                   |   |              | 142 | C10H22    | 005911-04-6  | 72   |
| 4    | Sulfurous acid, dodecyl 2-ethylh... |   |              | 362 | C20H42O3S | 1000309-19-5 | 72   |
| 5    | Tridecane, 7-methyl-                |   |              | 198 | C14H30    | 026730-14-3  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

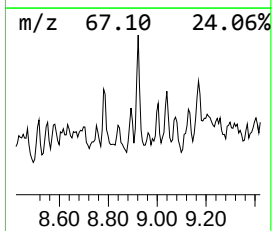
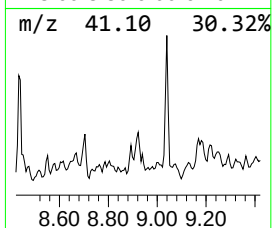
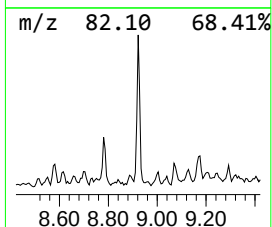
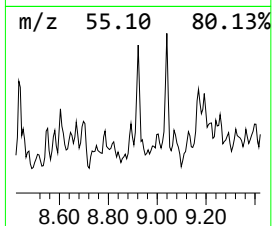
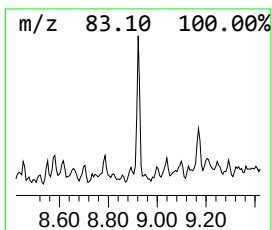
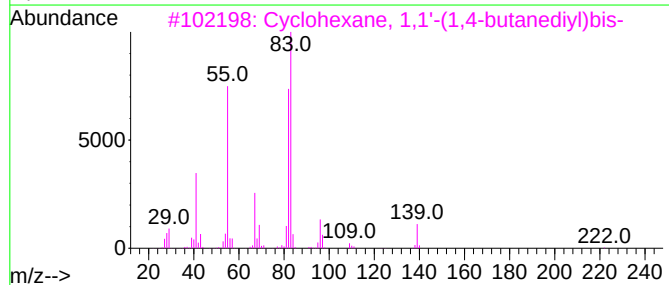
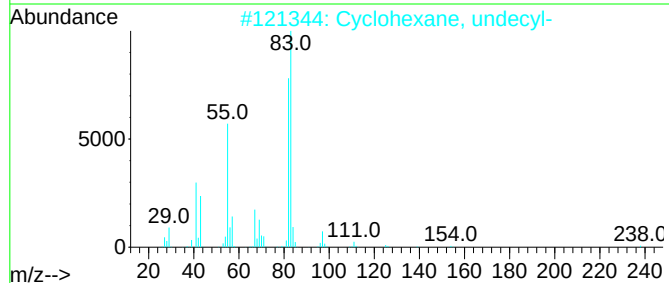
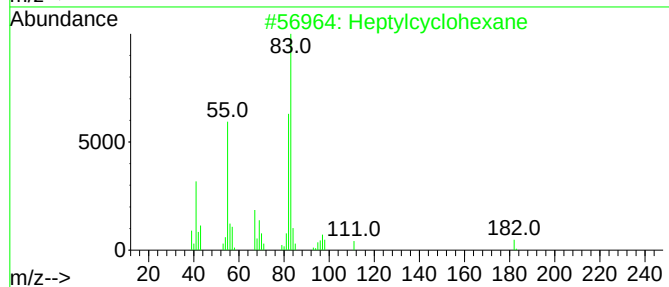
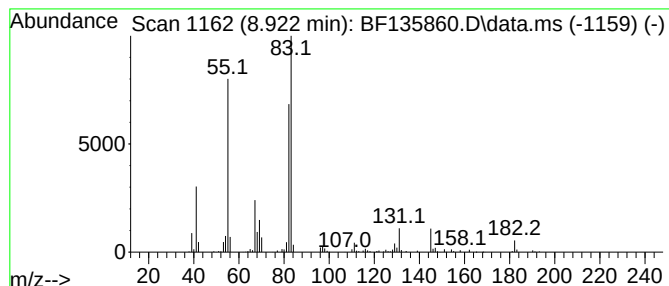
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptylcyclohexane Concentration Rank 16

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.922 | 15.56 ng | 468461 | Acenaphthene-d10 | 9.781 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptylcyclohexane                      | 182 | C13H26  | 005617-41-4 | 80   |
| 2    |    |   | Cyclohexane, undecyl-                  | 238 | C17H34  | 054105-66-7 | 64   |
| 3    |    |   | Cyclohexane, 1,1'-(1,4-butanediyl)bis- | 222 | C16H30  | 006165-44-2 | 64   |
| 4    |    |   | Cyclohexane, octyl-                    | 196 | C14H28  | 001795-15-9 | 64   |
| 5    |    |   | Cyclohexane, butyl-                    | 140 | C10H20  | 001678-93-9 | 64   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

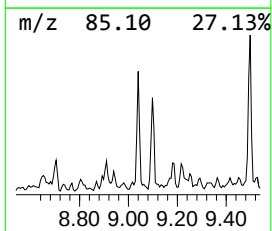
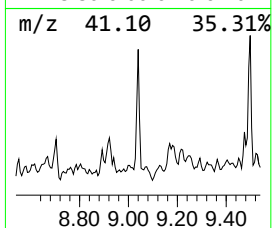
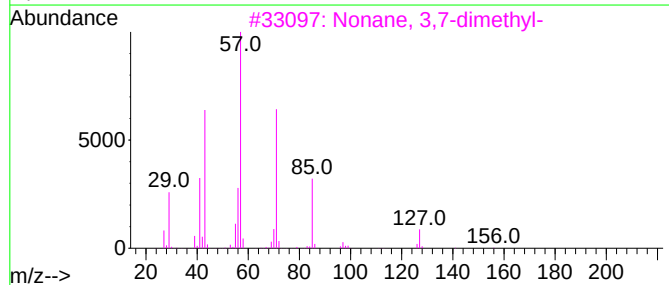
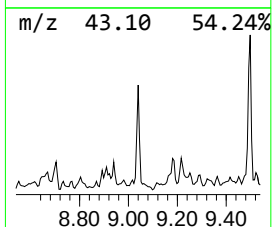
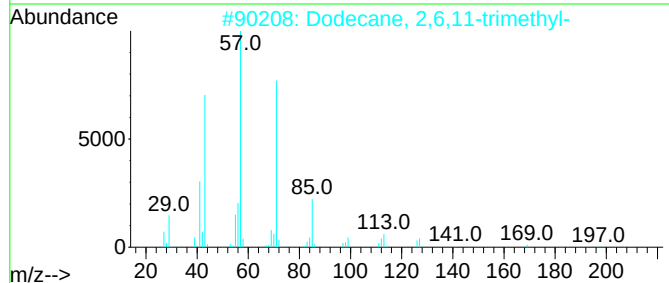
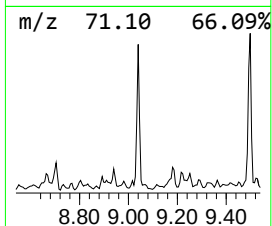
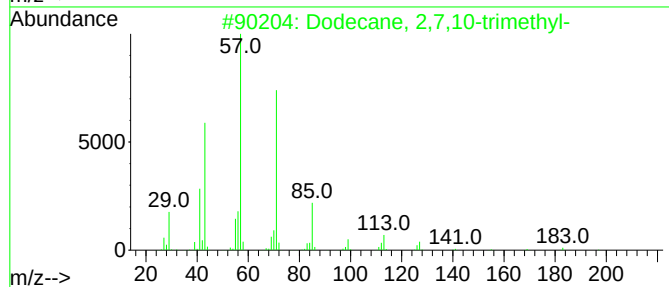
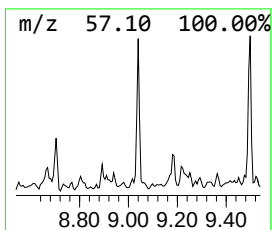
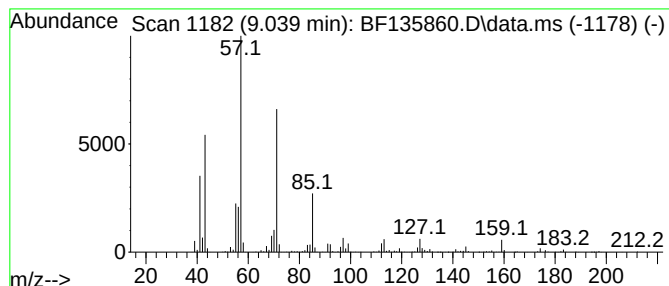
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.039 | 40.94 ng | 1232440 | Acenaphthene-d10 | 9.781 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------|-----|----------|-------------|------|
| 1    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32   | 074645-98-0 | 80   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32   | 031295-56-4 | 72   |
| 3    |    |   | Nonane, 3,7-dimethyl-       | 156 | C11H24   | 017302-32-8 | 72   |
| 4    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32   | 003891-98-3 | 64   |
| 5    |    |   | Bacchotricuneatin c         | 342 | C20H22O5 | 066563-30-2 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

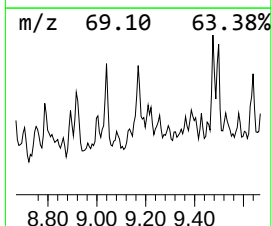
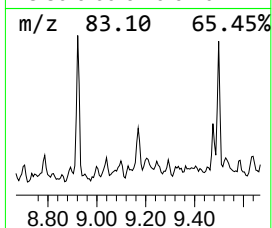
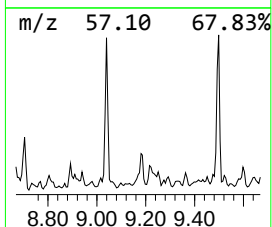
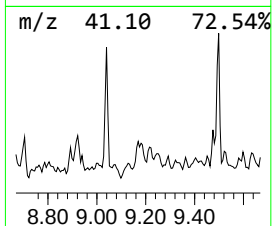
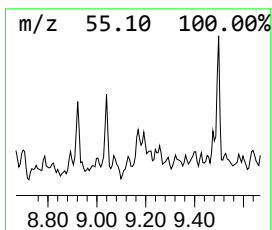
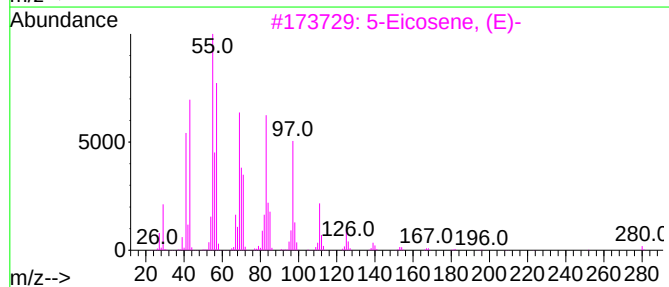
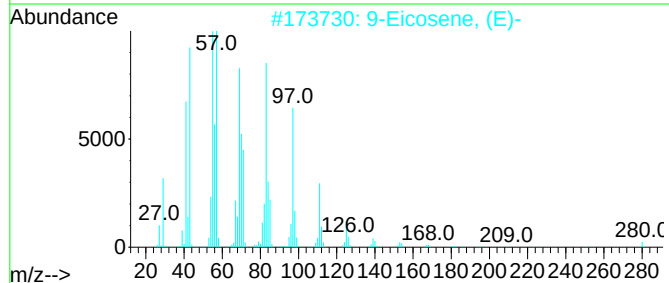
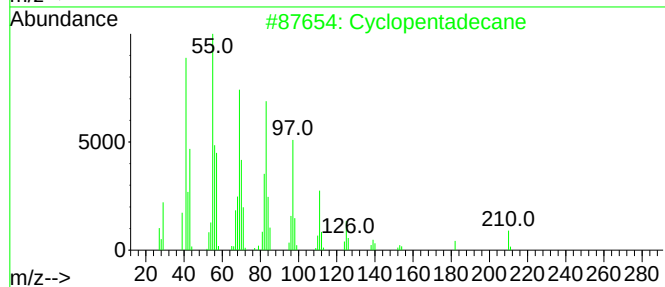
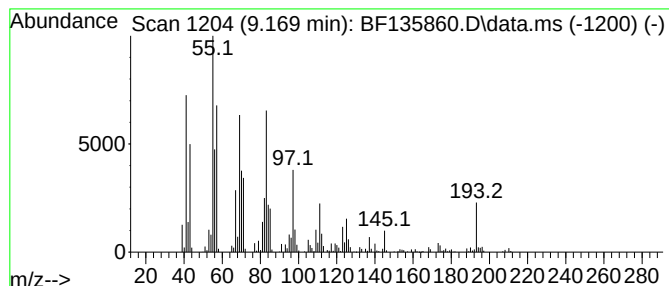
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclopentadecane Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.169 | 14.14 ng | 425813 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------|-----|---------|-------------|------|
| 1    |      | Cyclopentadecane   | 210 | C15H30  | 000295-48-7 | 86   |
| 2    |      | 9-Eicosene, (E)-   | 280 | C20H40  | 074685-29-3 | 76   |
| 3    |      | 5-Eicosene, (E)-   | 280 | C20H40  | 074685-30-6 | 70   |
| 4    |      | 3-Eicosene, (E)-   | 280 | C20H40  | 074685-33-9 | 62   |
| 5    |      | 9-Octadecene, (E)- | 252 | C18H36  | 007206-25-9 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

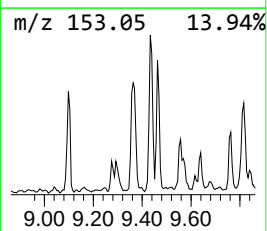
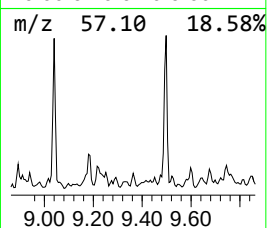
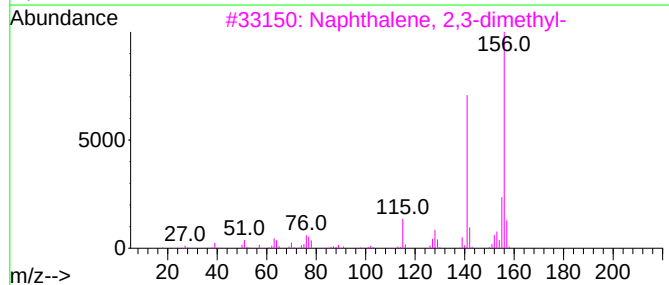
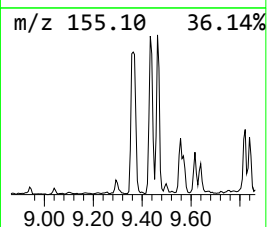
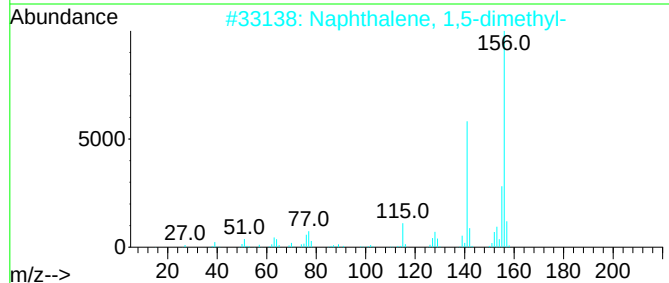
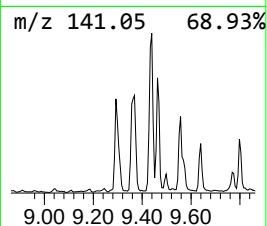
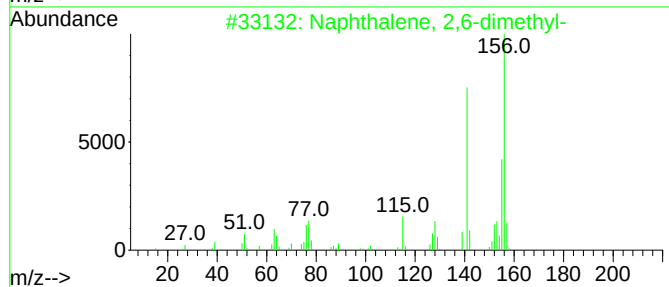
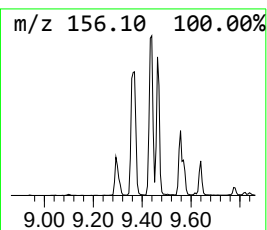
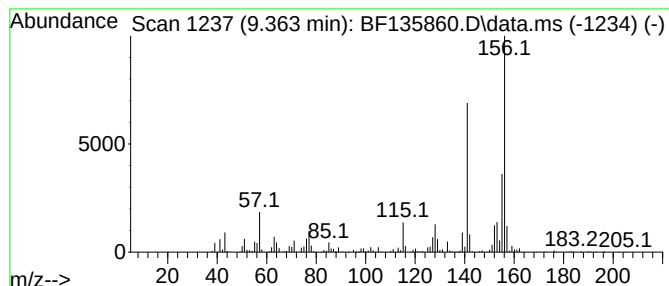
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.363 | 30.08 ng | 905522 | Acenaphthene-d10 | 9.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

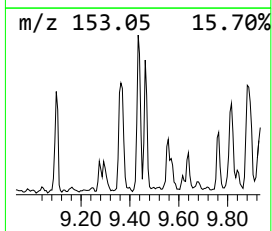
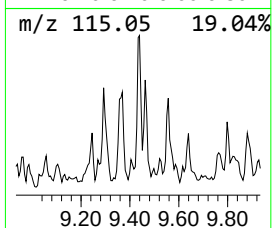
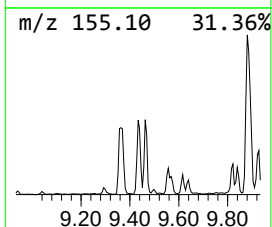
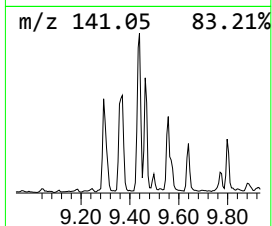
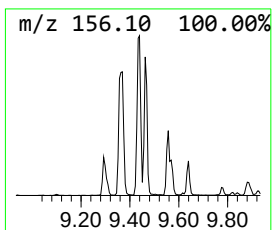
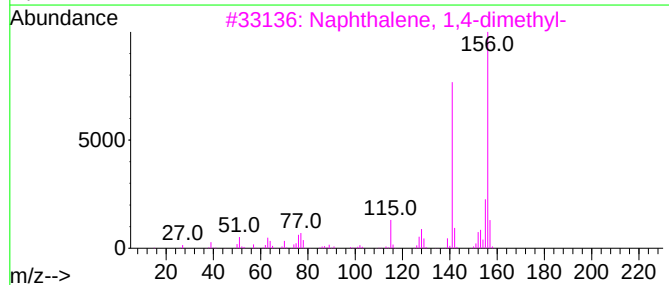
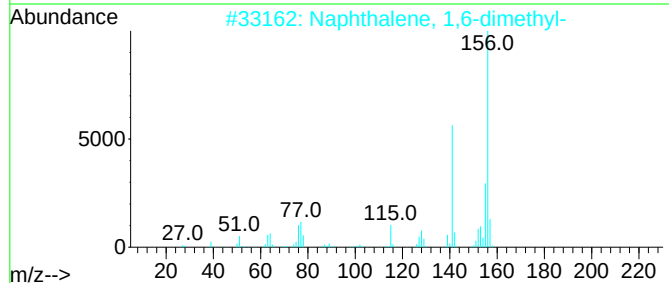
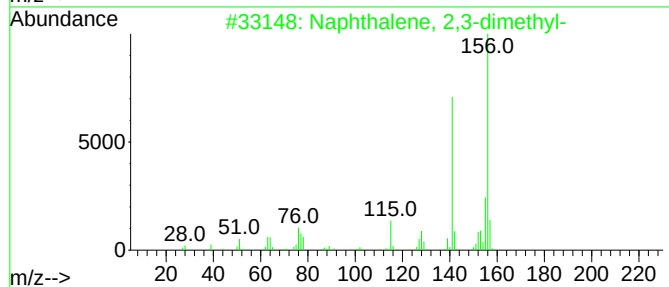
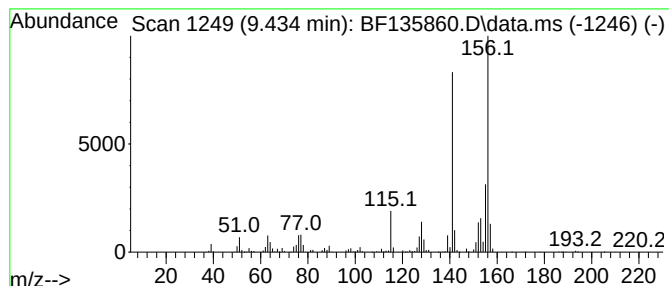
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.434 | 28.83 ng | 867815 | Acenaphthene-d10 | 9.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

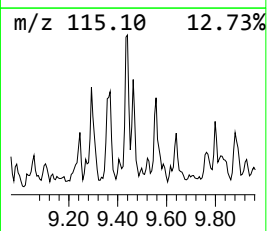
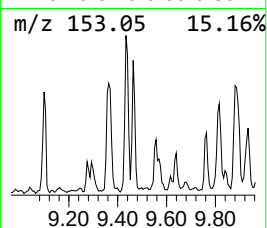
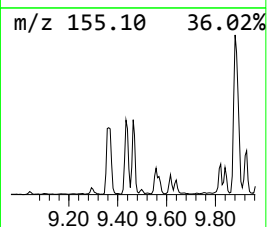
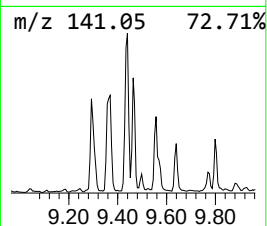
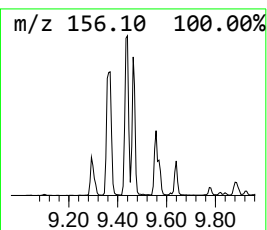
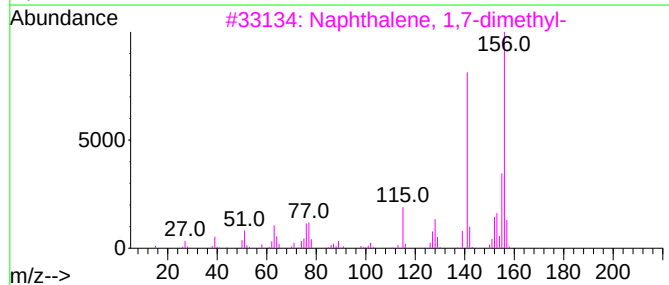
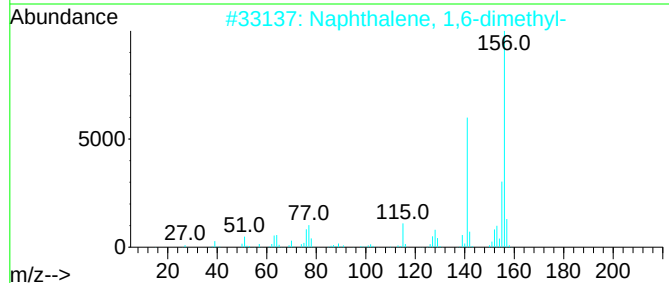
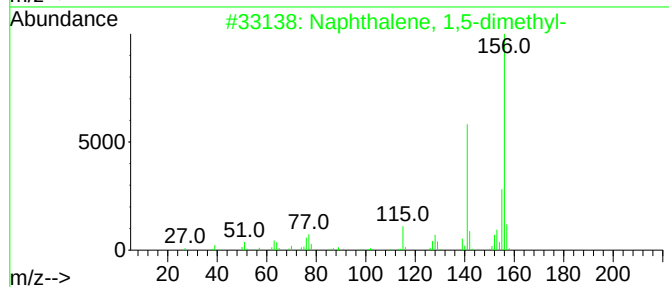
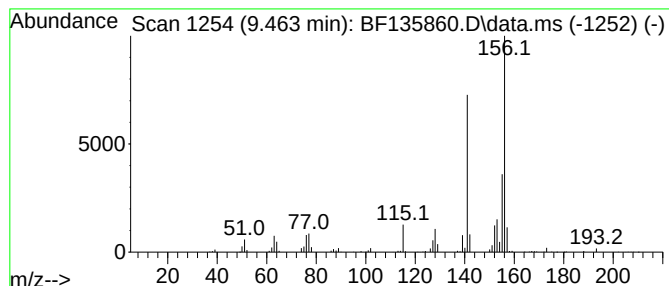
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.463 | 26.82 ng | 807332 | Acenaphthene-d10 | 9.781 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 4    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 96   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

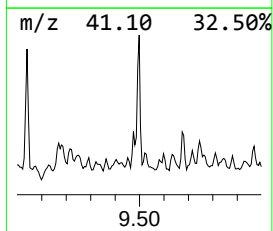
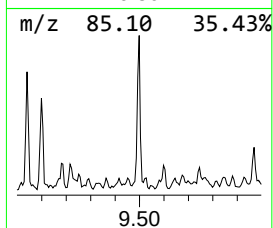
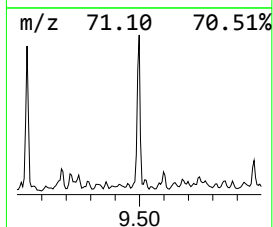
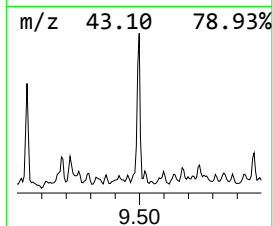
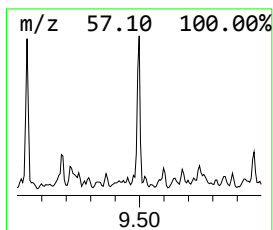
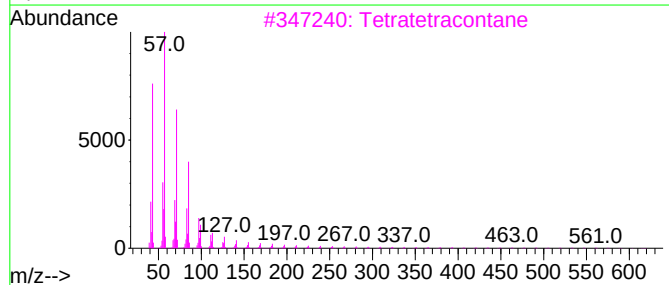
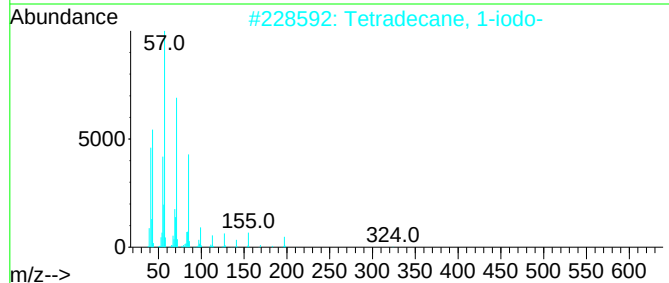
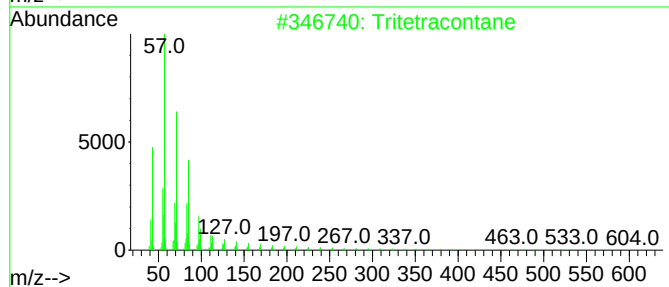
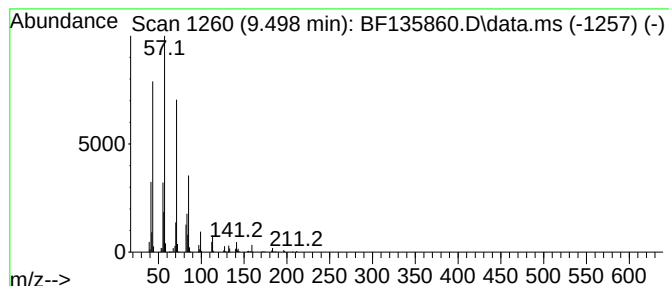
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tritetracontane Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.498 | 48.15 ng | 1449710 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|------|----------------------------------|-----|---------|--------------|------|
| 1    |      | Tritetracontane                  | 605 | C43H88  | 007098-21-7  | 86   |
| 2    |      | Tetradecane, 1-iodo-             | 324 | C14H29I | 019218-94-1  | 83   |
| 3    |      | Tetratetracontane                | 619 | C44H90  | 007098-22-8  | 80   |
| 4    |      | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34  | 1000432-25-9 | 80   |
| 5    |      | Octacosane                       | 394 | C28H58  | 000630-02-4  | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

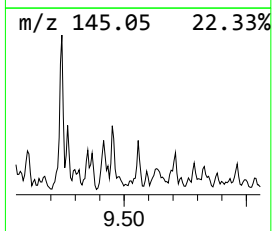
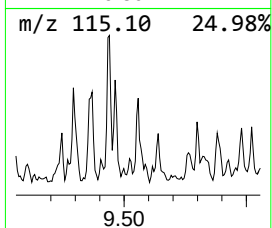
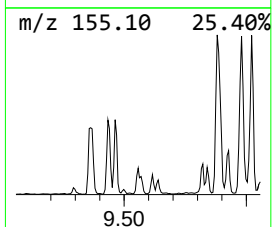
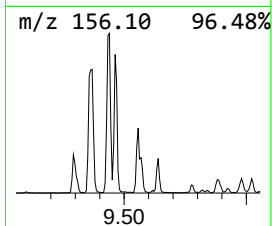
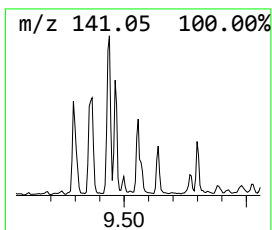
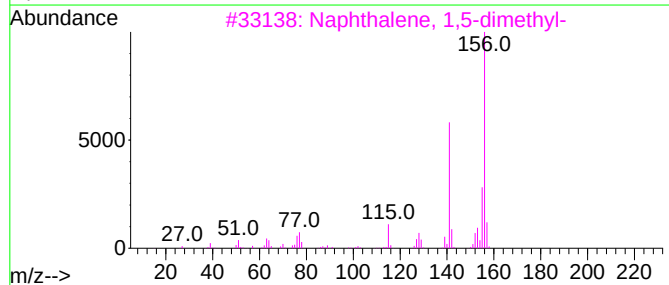
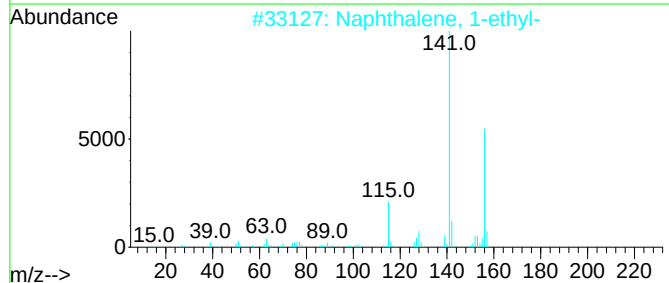
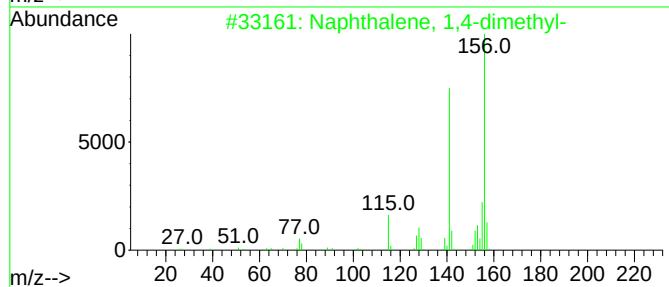
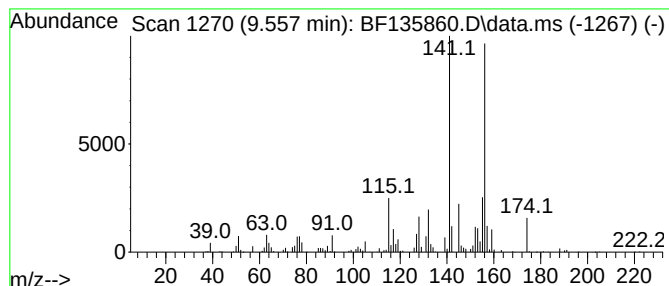
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 19

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.557 | 13.83 ng | 416430 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 2    |      | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 91   |
| 3    |      | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 89   |
| 4    |      | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 89   |
| 5    |      | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

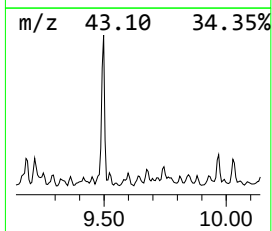
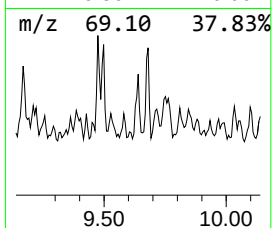
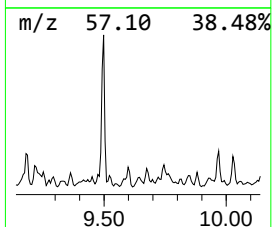
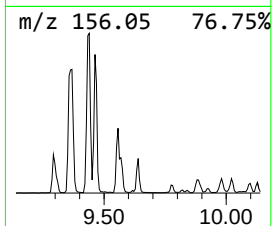
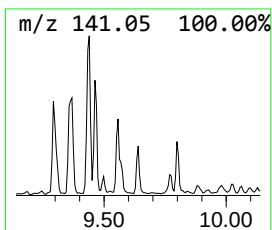
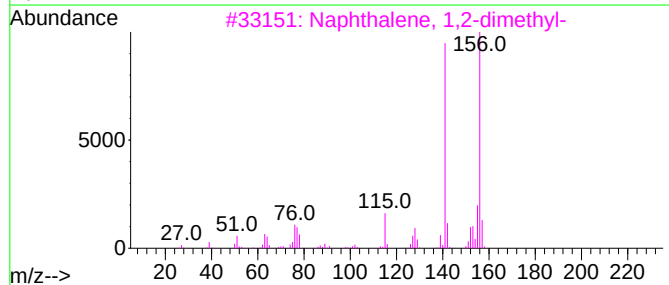
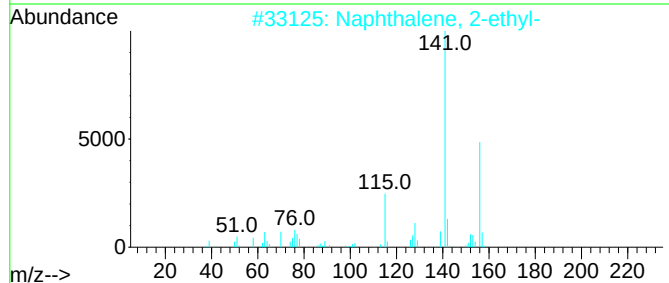
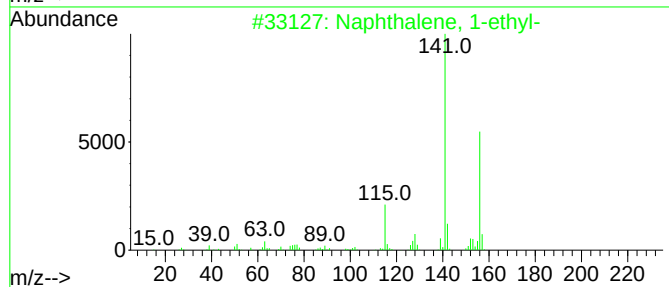
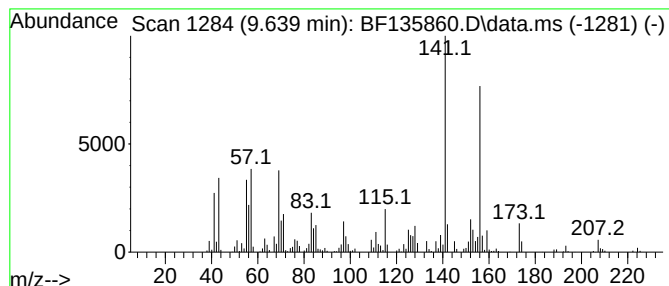
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 18

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.639 | 13.85 ng | 417088 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 93   |
| 2    |      | Naphthalene, 2-ethyl-      | 156 | C12H12  | 000939-27-5 | 90   |
| 3    |      | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 90   |
| 4    |      | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 90   |
| 5    |      | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 81   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

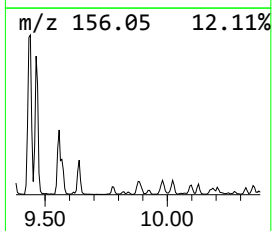
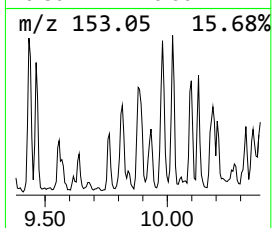
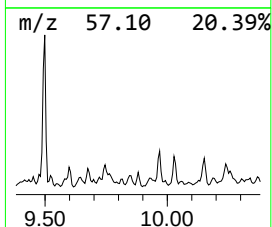
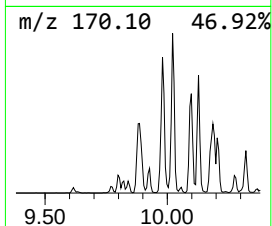
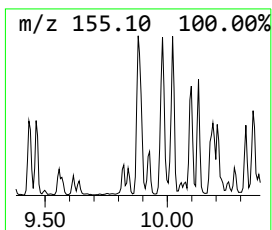
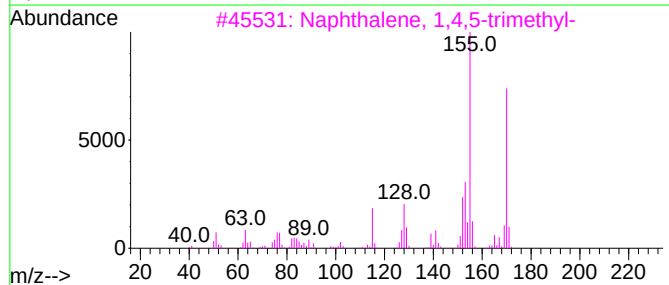
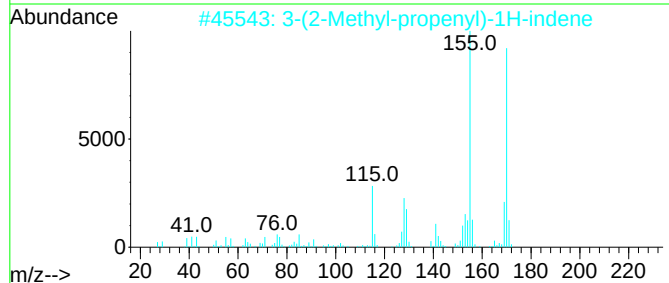
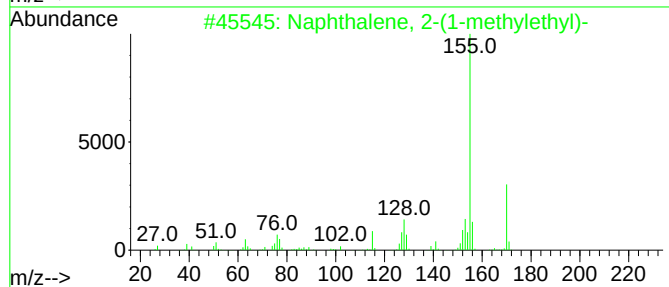
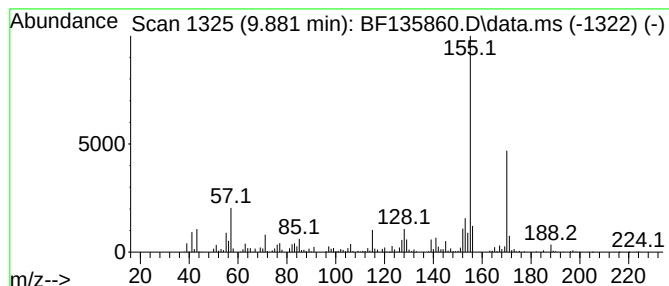
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Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 12

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.881 | 21.62 ng | 650949 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Naphthalene, 2-(1-methylethyl)-     | 170 | C13H14   | 002027-17-0  | 94   |
| 2    |      | 3-(2-Methyl-propenyl)-1H-indene     | 170 | C13H14   | 1000187-78-5 | 87   |
| 3    |      | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14   | 002131-41-1  | 83   |
| 4    |      | Ethanone, 1-(5-chloro-2-hydroxyp... | 170 | C8H7ClO2 | 001450-74-4  | 72   |
| 5    |      | Ethanone, 1-(1-Naphthalenyl)-       | 170 | C12H10O  | 000941-98-0  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

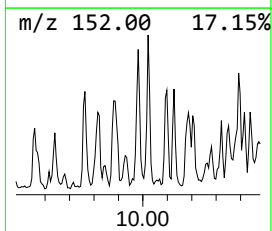
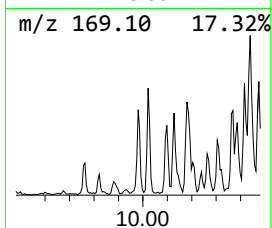
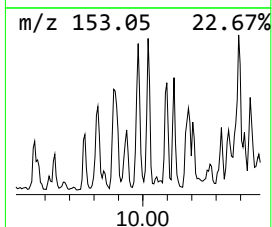
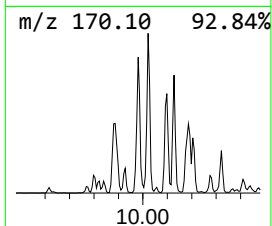
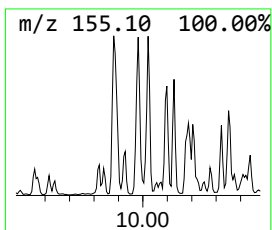
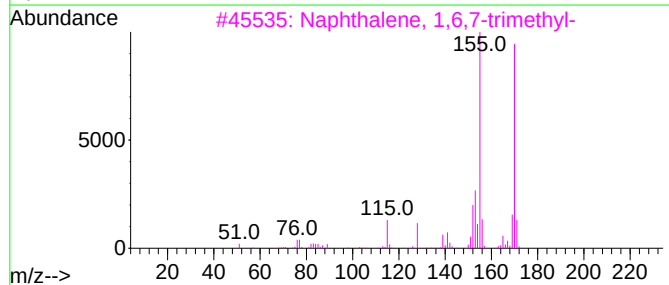
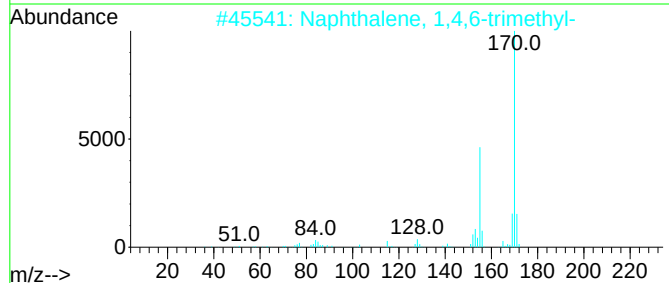
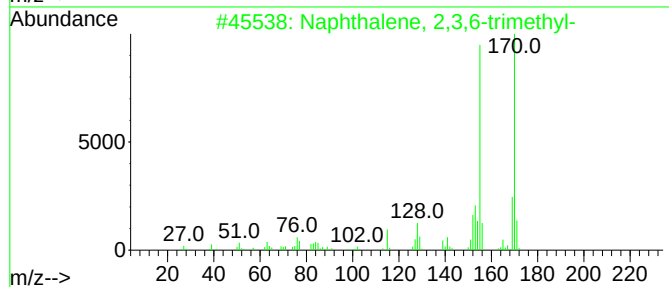
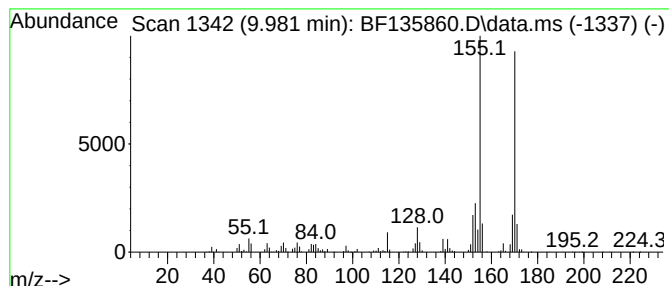
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.981 | 32.30 ng | 972411 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|------|---------------------------------|-----|---------|--------------|------|
| 1    |      | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 97   |
| 2    |      | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 97   |
| 3    |      | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 96   |
| 4    |      | Naphthalene, 1,4,5-trimethyl-   | 170 | C13H14  | 002131-41-1  | 95   |
| 5    |      | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

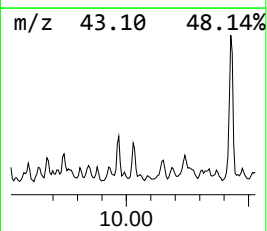
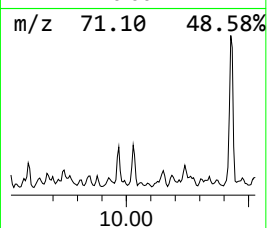
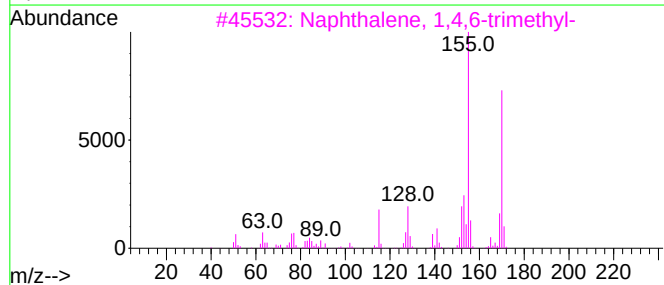
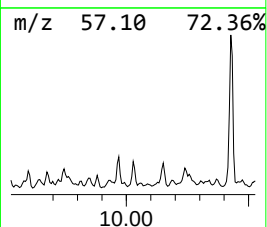
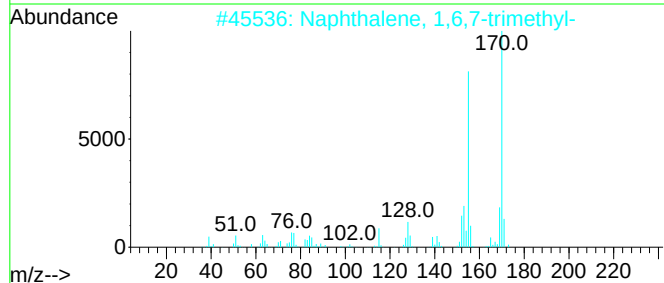
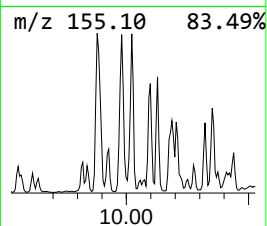
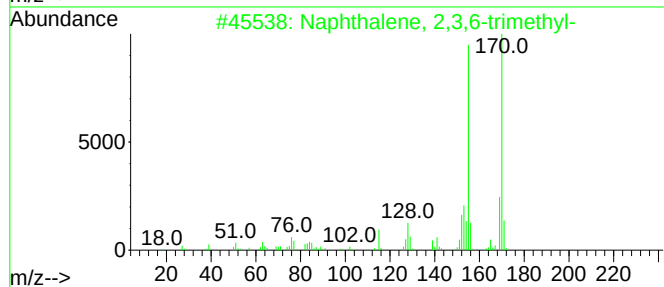
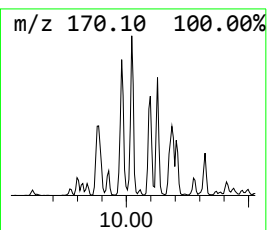
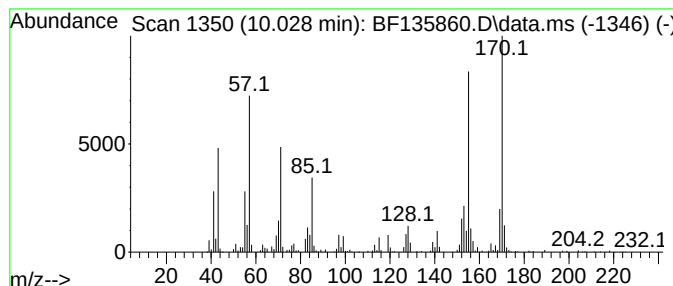
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.028 | 28.98 ng | 872370 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|------|---------------------------------|-----|---------|--------------|------|
| 1    |      | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 96   |
| 2    |      | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 96   |
| 3    |      | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 90   |
| 4    |      | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 89   |
| 5    |      | 4,6,8-Trimethylazulene          | 170 | C13H14  | 000941-81-1  | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

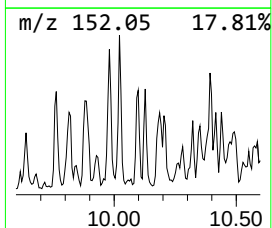
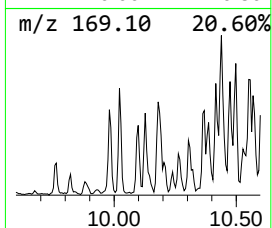
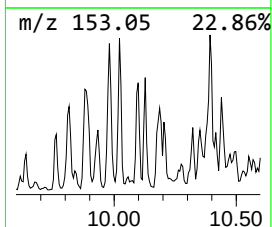
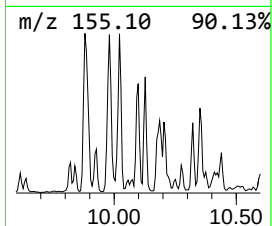
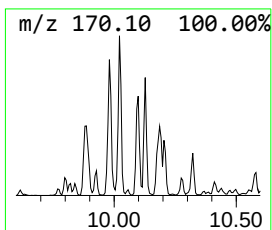
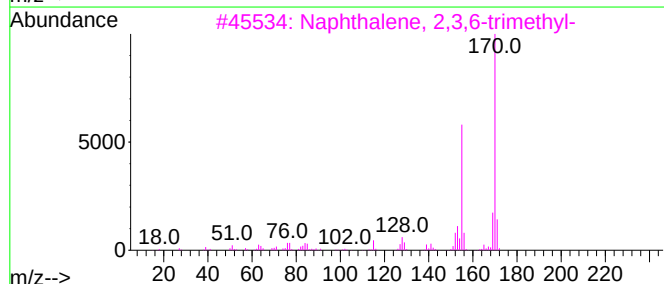
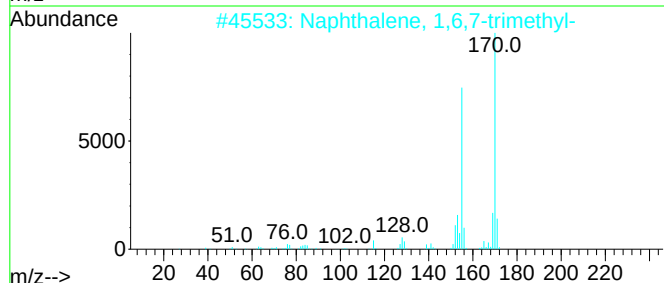
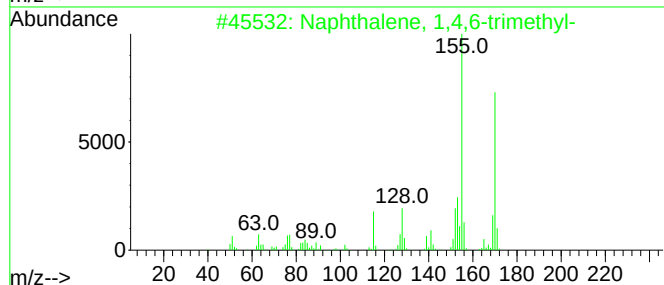
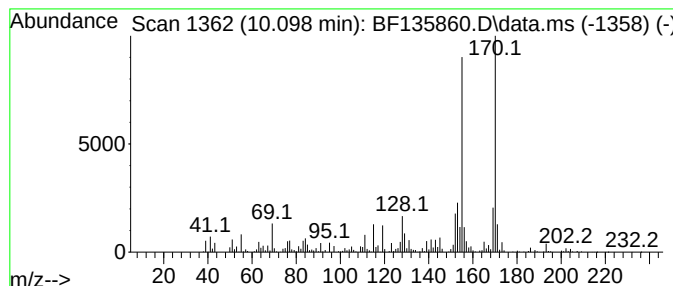
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 10.098    | 22.00 ng                      | 662188 | Acenaphthene-d10 | 9.781       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,4,6-trimethyl- | 170    | C13H14           | 002131-42-2 | 97   |
| 2         | Naphthalene, 1,6,7-trimethyl- | 170    | C13H14           | 002245-38-7 | 96   |
| 3         | Naphthalene, 2,3,6-trimethyl- | 170    | C13H14           | 000829-26-5 | 96   |
| 4         | 4,6,8-Trimethylazulene        | 170    | C13H14           | 000941-81-1 | 94   |
| 5         | Naphthalene, 1,4,5-trimethyl- | 170    | C13H14           | 002131-41-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

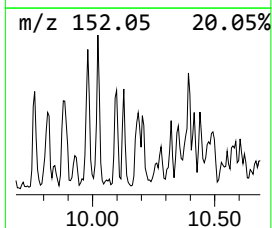
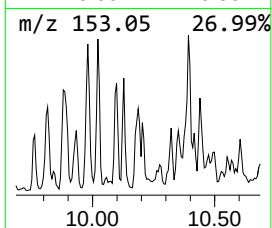
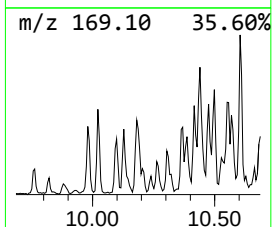
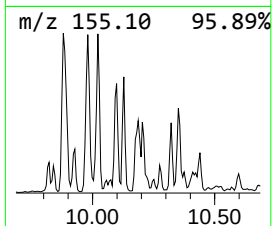
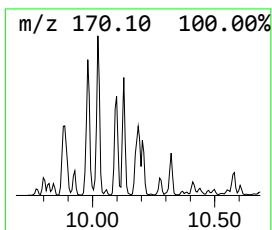
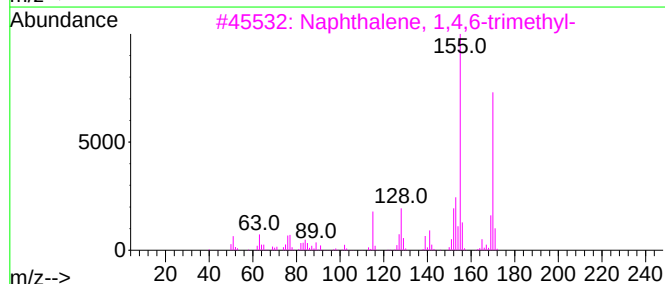
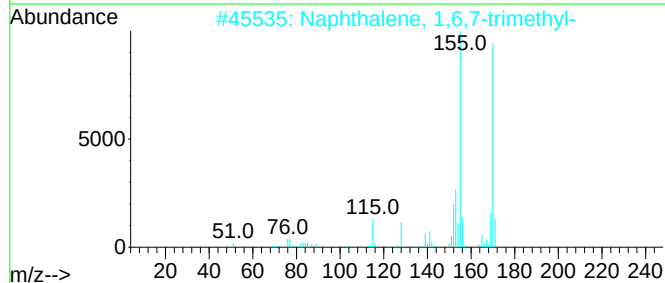
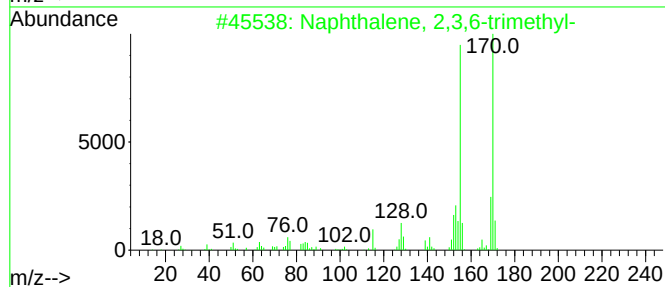
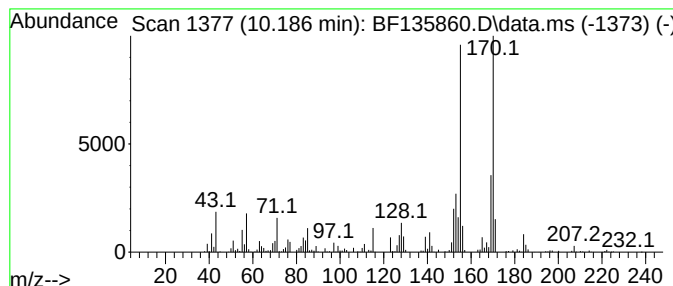
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Naphthalene, 1,4,5-trimethyl- Concentration Rank 14

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 10.186    | 17.71 ng                      | 533196 | Acenaphthene-d10 | 9.781       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl- | 170    | C13H14           | 000829-26-5 | 97   |
| 2         | Naphthalene, 1,6,7-trimethyl- | 170    | C13H14           | 002245-38-7 | 96   |
| 3         | Naphthalene, 1,4,6-trimethyl- | 170    | C13H14           | 002131-42-2 | 95   |
| 4         | Naphthalene, 1,4,5-trimethyl- | 170    | C13H14           | 002131-41-1 | 94   |
| 5         | 4,6,8-Trimethylazulene        | 170    | C13H14           | 000941-81-1 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

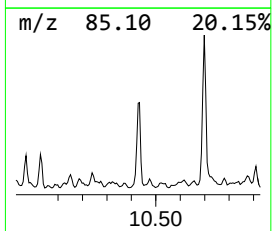
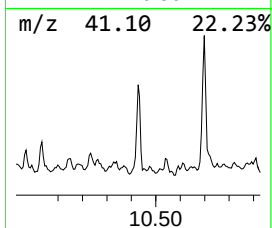
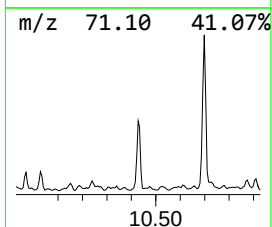
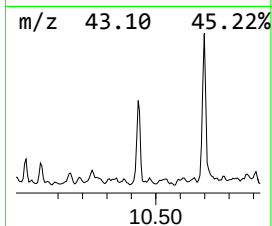
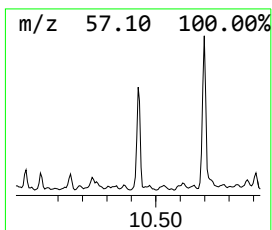
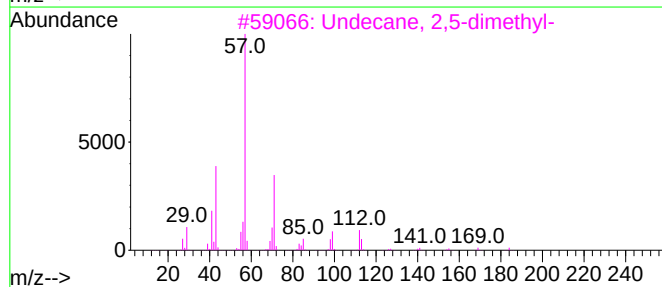
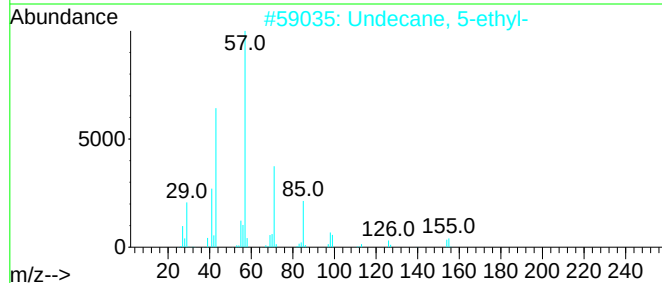
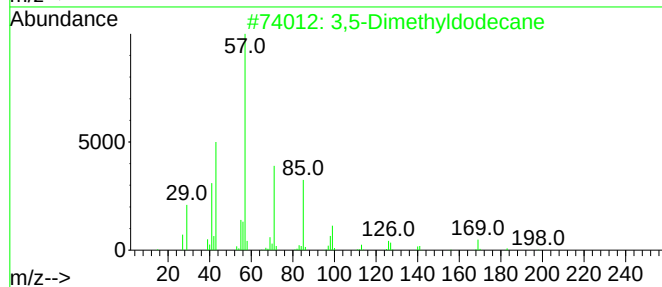
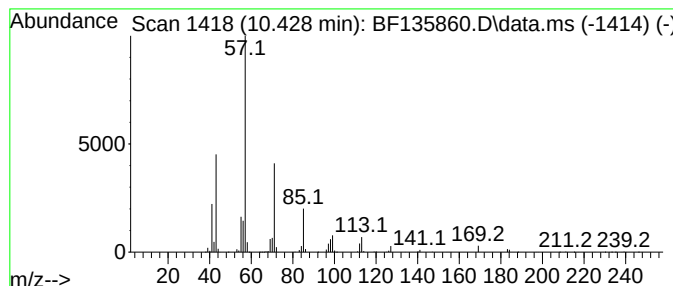
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 3,5-Dimethyldodecane Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.  |
|--------|----------|---------|------------------|-------|
| 10.428 | 54.46 ng | 1639410 | Acenaphthene-d10 | 9.781 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------|-----|----------|-------------|------|
| 1    |      | 3,5-Dimethyldodecane    | 198 | C14H30   | 107770-99-0 | 87   |
| 2    |      | Undecane, 5-ethyl-      | 184 | C13H28   | 017453-94-0 | 78   |
| 3    |      | Undecane, 2,5-dimethyl- | 184 | C13H28   | 017301-22-3 | 76   |
| 4    |      | 2-Bromo dodecane        | 248 | C12H25Br | 013187-99-0 | 68   |
| 5    |      | Undecane, 2,6-dimethyl- | 184 | C13H28   | 017301-23-4 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

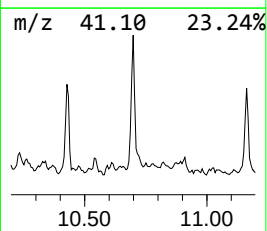
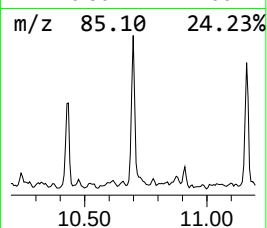
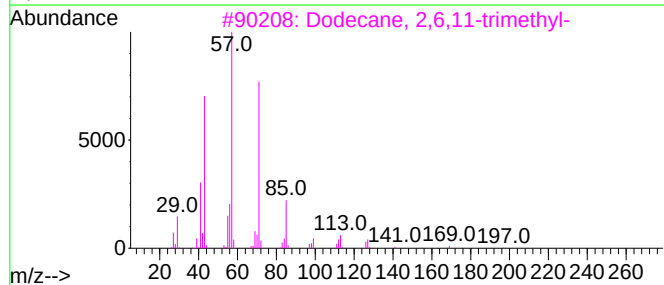
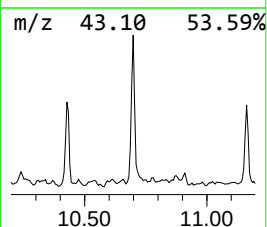
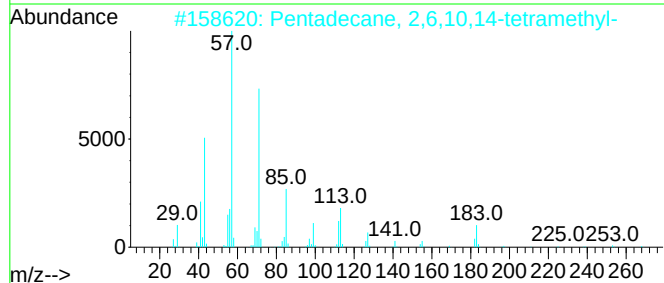
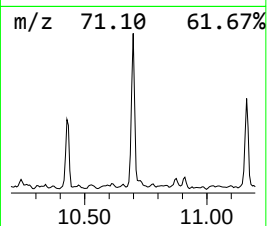
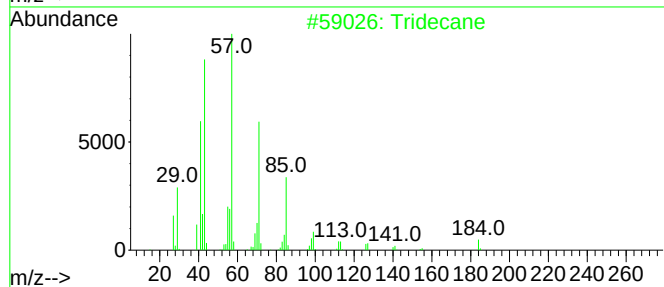
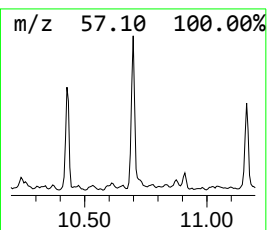
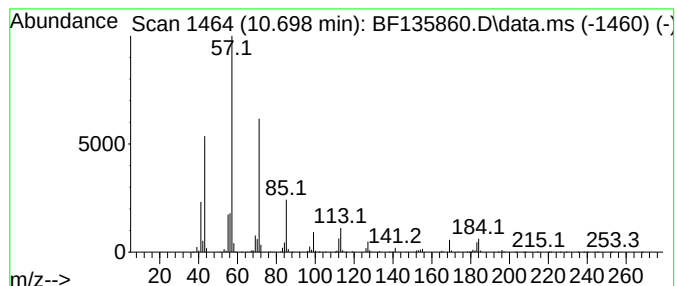
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Tridecane Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.698 | 67.54 ng | 2656140 | Phenanthrene-d10 | 11.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5 | 80   |
| 2    |    |   | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 78   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32  | 031295-56-4 | 64   |
| 4    |    |   | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 64   |
| 5    |    |   | Undecane, 3-ethyl-                  | 184 | C13H28  | 017312-58-2 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

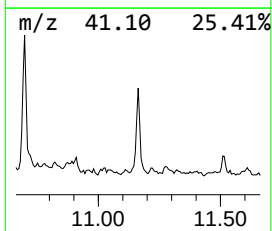
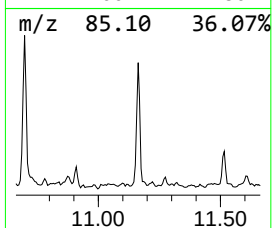
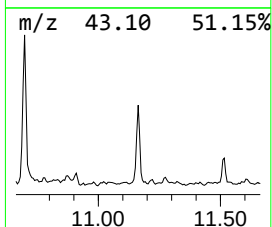
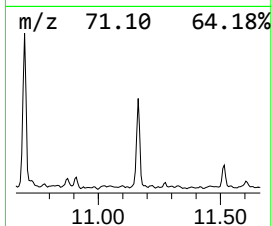
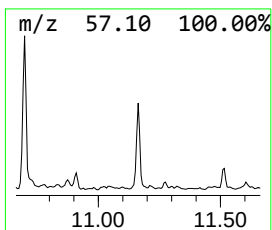
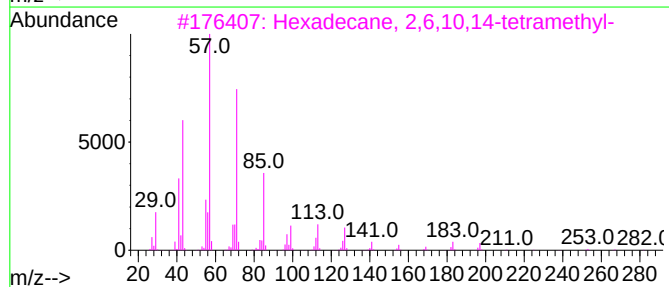
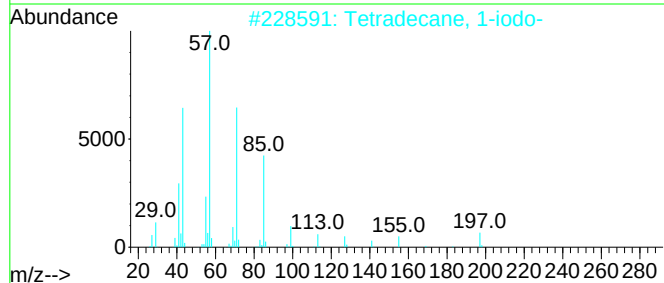
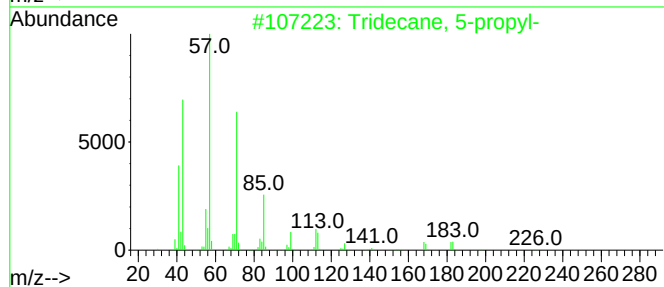
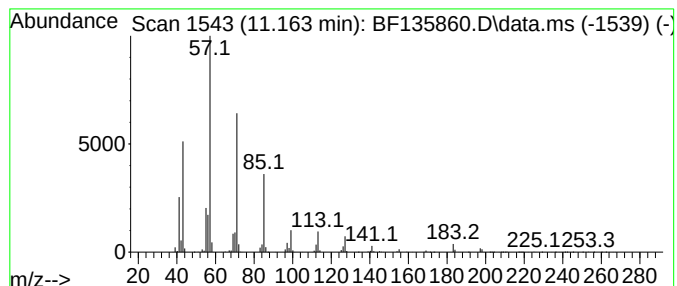
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ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.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 Tridecane, 5-propyl- Concentration Rank 4

| R.T.      | EstConc                            | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|---------|------------------|-------------|------|
| 11.163    | 43.53 ng                           | 1711890 | Phenanthrene-d10 | 11.275      |      |
| Hit# of 5 | Tentative ID                       | MW      | MolForm          | CAS#        | Qual |
| 1         | Tridecane, 5-propyl-               | 226     | C16H34           | 055045-11-9 | 87   |
| 2         | Tetradecane, 1-iodo-               | 324     | C14H29I          | 019218-94-1 | 86   |
| 3         | Hexadecane, 2,6,10,14-tetramethyl- | 282     | C20H42           | 000638-36-8 | 80   |
| 4         | Dodecane, 1-iodo-                  | 296     | C12H25I          | 004292-19-7 | 80   |
| 5         | Heptacosane                        | 380     | C27H56           | 000593-49-7 | 80   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
Data File : BF135860.D  
Acq On : 18 Oct 2023 21:56  
Operator : CG\JU  
Sample : 04846-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.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 |
| Undecane, 2,6-d... | 8.075  | 16.0    | ng    | 983288   | 2                     | 8.016  | 1232470 | 20.0 |
| Cyclohexane, (4... | 8.304  | 13.6    | ng    | 835089   | 2                     | 8.016  | 1232470 | 20.0 |
| Octane, 2,6-dim... | 8.439  | 19.0    | ng    | 1168510  | 2                     | 8.016  | 1232470 | 20.0 |
| Heptylcyclohexane  | 8.922  | 15.6    | ng    | 468461   | 3                     | 9.781  | 602104  | 20.0 |
| Dodecane, 2,7,1... | 9.039  | 40.9    | ng    | 1232440  | 3                     | 9.781  | 602104  | 20.0 |
| Cyclopentadecane   | 9.169  | 14.1    | ng    | 425813   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 2,... | 9.363  | 30.1    | ng    | 905522   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 2,... | 9.434  | 28.8    | ng    | 867815   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1,... | 9.463  | 26.8    | ng    | 807332   | 3                     | 9.781  | 602104  | 20.0 |
| Tritetracontane    | 9.498  | 48.1    | ng    | 1449710  | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1,... | 9.557  | 13.8    | ng    | 416430   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1-... | 9.639  | 13.9    | ng    | 417088   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 2-... | 9.881  | 21.6    | ng    | 650949   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 2,... | 9.981  | 32.3    | ng    | 972411   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1,... | 10.028 | 29.0    | ng    | 872370   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1,... | 10.098 | 22.0    | ng    | 662188   | 3                     | 9.781  | 602104  | 20.0 |
| Naphthalene, 1,... | 10.186 | 17.7    | ng    | 533196   | 3                     | 9.781  | 602104  | 20.0 |
| 3,5-Dimethyldod... | 10.428 | 54.5    | ng    | 1639410  | 3                     | 9.781  | 602104  | 20.0 |
| Tridecane          | 10.698 | 67.5    | ng    | 2656140  | 4                     | 11.275 | 786556  | 20.0 |
| Tridecane, 5-pr... | 11.163 | 43.5    | ng    | 1711890  | 4                     | 11.275 | 786556  | 20.0 |