

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
 Data File : BF120066.D  
 Acq On : 17 Apr 2020 18:26  
 Operator : MA/SJ  
 Sample : L2283-06  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-1-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.681       | 261           | 271         | 275          | rBV      | 215161         | 339843        | 2.64%           | 0.199%        |
| 2         | 5.292       | 541           | 545         | 547          | rBV      | 313986         | 320427        | 2.49%           | 0.188%        |
| 3         | 5.339       | 547           | 553         | 556          | rVB      | 2417813        | 3277744       | 25.49%          | 1.922%        |
| 4         | 6.375       | 723           | 729         | 733          | rBV2     | 2592323        | 4299756       | 33.44%          | 2.521%        |
| 5         | 6.563       | 756           | 761         | 766          | rVB2     | 706240         | 948747        | 7.38%           | 0.556%        |
| 6         | 6.728       | 785           | 789         | 791          | rBV      | 1288995        | 1066690       | 8.30%           | 0.626%        |
| 7         | 6.886       | 812           | 816         | 818          | rVV      | 3133308        | 2922378       | 22.73%          | 1.714%        |
| 8         | 7.145       | 851           | 860         | 866          | rVV3     | 673253         | 1214135       | 9.44%           | 0.712%        |
| 9         | 7.275       | 877           | 882         | 883          | rBV2     | 1336675        | 1330658       | 10.35%          | 0.780%        |
| 10        | 7.292       | 883           | 885         | 888          | rVV      | 2121193        | 1991624       | 15.49%          | 1.168%        |
| 11        | 7.333       | 889           | 892         | 895          | rVB      | 1913788        | 1481882       | 11.53%          | 0.869%        |
| 12        | 7.580       | 928           | 934         | 937          | rVB2     | 344922         | 595185        | 4.63%           | 0.349%        |
| 13        | 8.004       | 1002          | 1006        | 1009         | rVV2     | 2109437        | 2608838       | 20.29%          | 1.530%        |
| 14        | 8.039       | 1009          | 1012        | 1015         | rVV      | 5284407        | 5189669       | 40.36%          | 3.043%        |
| 15        | 8.439       | 1076          | 1080        | 1085         | rBV      | 349765         | 457673        | 3.56%           | 0.268%        |
| 16        | 8.610       | 1105          | 1109        | 1112         | rBV      | 1207631        | 1067516       | 8.30%           | 0.626%        |
| 17        | 8.727       | 1122          | 1129        | 1132         | rBV      | 2298324        | 2056268       | 15.99%          | 1.206%        |
| 18        | 8.827       | 1142          | 1146        | 1150         | rBV      | 1616613        | 1291906       | 10.05%          | 0.758%        |
| 19        | 9.092       | 1186          | 1191        | 1194         | rBV      | 4507893        | 3845192       | 29.91%          | 2.255%        |
| 20        | 9.180       | 1202          | 1206        | 1210         | rVV2     | 1073121        | 1400382       | 10.89%          | 0.821%        |
| 21        | 9.251       | 1210          | 1218        | 1221         | rVV5     | 346665         | 658514        | 5.12%           | 0.386%        |
| 22        | 9.286       | 1221          | 1224        | 1228         | rVV      | 581869         | 604074        | 4.70%           | 0.354%        |
| 23        | 9.357       | 1232          | 1236        | 1239         | rVB      | 677360         | 909731        | 7.08%           | 0.533%        |
| 24        | 9.427       | 1245          | 1248        | 1250         | rBV      | 1204975        | 1231912       | 9.58%           | 0.722%        |
| 25        | 9.457       | 1250          | 1253        | 1262         | rVV3     | 2589786        | 5746247       | 44.69%          | 3.370%        |
| 26        | 9.551       | 1265          | 1269        | 1273         | rVB      | 963381         | 1201042       | 9.34%           | 0.704%        |
| 27        | 9.627       | 1279          | 1282        | 1286         | rVB      | 588494         | 537856        | 4.18%           | 0.315%        |
| 28        | 9.710       | 1293          | 1296        | 1300         | rVB      | 547358         | 487372        | 3.79%           | 0.286%        |
| 29        | 9.769       | 1300          | 1306        | 1309         | rBV2     | 1592800        | 1742301       | 13.55%          | 1.022%        |
| 30        | 9.804       | 1309          | 1312        | 1315         | rVV3     | 721718         | 653930        | 5.09%           | 0.383%        |
| 31        | 9.874       | 1321          | 1324        | 1328         | rVB3     | 485798         | 681708        | 5.30%           | 0.400%        |
| 32        | 9.910       | 1328          | 1330        | 1332         | rBV      | 395090         | 398572        | 3.10%           | 0.234%        |
| 33        | 9.939       | 1332          | 1335        | 1338         | rVV      | 666089         | 860170        | 6.69%           | 0.504%        |
| 34        | 9.969       | 1338          | 1340        | 1343         | rVB2     | 1090349        | 1059750       | 8.24%           | 0.621%        |

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Instrument :  
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 ClientSampleId :  
 WB-1-1

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

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.069 | 1354 | 1357 | 1359 | rVV2 | 723036  | 631012  | 4.91%  | 0.370% |
| 36 | 10.180 | 1371 | 1376 | 1377 | rVV2 | 316657  | 405302  | 3.15%  | 0.238% |
| 37 | 10.210 | 1377 | 1381 | 1383 | rVV  | 1347207 | 1164482 | 9.06%  | 0.683% |
| 38 | 10.263 | 1386 | 1390 | 1393 | rVB  | 726442  | 738352  | 5.74%  | 0.433% |
| 39 | 10.316 | 1396 | 1399 | 1402 | rBV2 | 821677  | 736814  | 5.73%  | 0.432% |
| 40 | 10.374 | 1405 | 1409 | 1410 | rBV2 | 505657  | 508037  | 3.95%  | 0.298% |
| 41 | 10.392 | 1410 | 1412 | 1416 | rVB  | 814450  | 782576  | 6.09%  | 0.459% |
| 42 | 10.433 | 1416 | 1419 | 1420 | rBV2 | 370607  | 366255  | 2.85%  | 0.215% |
| 43 | 10.451 | 1420 | 1422 | 1424 | rVV  | 752198  | 564489  | 4.39%  | 0.331% |
| 44 | 10.563 | 1434 | 1441 | 1444 | rVB  | 2779290 | 2481933 | 19.30% | 1.455% |
| 45 | 10.680 | 1458 | 1461 | 1469 | rVB2 | 746584  | 1013422 | 7.88%  | 0.594% |
| 46 | 10.745 | 1469 | 1472 | 1477 | rBV  | 1641615 | 1416029 | 11.01% | 0.830% |
| 47 | 10.833 | 1483 | 1487 | 1489 | rBV  | 554403  | 500618  | 3.89%  | 0.294% |
| 48 | 10.857 | 1489 | 1491 | 1495 | rVV2 | 697024  | 690130  | 5.37%  | 0.405% |
| 49 | 10.921 | 1499 | 1502 | 1504 | rVB  | 476277  | 420241  | 3.27%  | 0.246% |
| 50 | 11.033 | 1517 | 1521 | 1524 | rVB  | 571877  | 590482  | 4.59%  | 0.346% |
| 51 | 11.063 | 1524 | 1526 | 1531 | rVB2 | 332522  | 377700  | 2.94%  | 0.221% |
| 52 | 11.133 | 1535 | 1538 | 1540 | rVV2 | 466424  | 408636  | 3.18%  | 0.240% |
| 53 | 11.157 | 1540 | 1542 | 1547 | rVB2 | 440079  | 457036  | 3.55%  | 0.268% |
| 54 | 11.210 | 1548 | 1551 | 1554 | rBV  | 1068093 | 803898  | 6.25%  | 0.471% |
| 55 | 11.263 | 1556 | 1560 | 1561 | rBV  | 1055473 | 1112115 | 8.65%  | 0.652% |
| 56 | 11.286 | 1561 | 1564 | 1567 | rVV  | 3656206 | 3321499 | 25.83% | 1.948% |
| 57 | 11.333 | 1567 | 1572 | 1575 | rVB  | 1096946 | 946954  | 7.37%  | 0.555% |
| 58 | 11.368 | 1575 | 1578 | 1581 | rBV2 | 332949  | 359606  | 2.80%  | 0.211% |
| 59 | 11.557 | 1606 | 1610 | 1613 | rBV2 | 643813  | 819263  | 6.37%  | 0.480% |
| 60 | 11.763 | 1643 | 1645 | 1648 | rBV  | 738665  | 687006  | 5.34%  | 0.403% |
| 61 | 11.798 | 1648 | 1651 | 1654 | rBV2 | 1127242 | 1197867 | 9.32%  | 0.702% |
| 62 | 11.874 | 1661 | 1664 | 1667 | rBV2 | 886026  | 992441  | 7.72%  | 0.582% |
| 63 | 11.974 | 1679 | 1681 | 1683 | rBV  | 453648  | 374249  | 2.91%  | 0.219% |
| 64 | 12.357 | 1744 | 1746 | 1750 | rVB2 | 1365555 | 1378914 | 10.72% | 0.809% |
| 65 | 12.492 | 1766 | 1769 | 1774 | rVB  | 2387220 | 2174636 | 16.91% | 1.275% |
| 66 | 12.715 | 1801 | 1807 | 1812 | rBV  | 2558106 | 3200320 | 24.89% | 1.877% |
| 67 | 12.768 | 1813 | 1816 | 1820 | rVB2 | 378163  | 454614  | 3.54%  | 0.267% |
| 68 | 12.851 | 1827 | 1830 | 1833 | rBV  | 2764595 | 2480131 | 19.29% | 1.454% |
| 69 | 13.033 | 1859 | 1861 | 1864 | rVB  | 457538  | 375614  | 2.92%  | 0.220% |
| 70 | 13.086 | 1867 | 1870 | 1871 | rBV  | 462571  | 394900  | 3.07%  | 0.232% |
| 71 | 13.139 | 1876 | 1879 | 1881 | rVB  | 400816  | 347573  | 2.70%  | 0.204% |

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Integration Parameters: rteint.p

Integrator: RTE

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Sampling : 1

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Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 72  | 13.274 | 1897 | 1902 | 1905 | rBV2 | 1098004 | 1319521  | 10.26%  | 0.774% |
| 73  | 13.427 | 1925 | 1928 | 1931 | rBV  | 816788  | 761838   | 5.93%   | 0.447% |
| 74  | 13.521 | 1941 | 1944 | 1946 | rBV  | 435694  | 448255   | 3.49%   | 0.263% |
| 75  | 13.639 | 1960 | 1964 | 1967 | rBV2 | 1863674 | 1928117  | 15.00%  | 1.131% |
| 76  | 13.757 | 1981 | 1984 | 1986 | rVV2 | 522893  | 512914   | 3.99%   | 0.301% |
| 77  | 13.898 | 2004 | 2008 | 2011 | rBV2 | 1515935 | 2226265  | 17.32%  | 1.306% |
| 78  | 13.933 | 2011 | 2014 | 2016 | rVB  | 1290607 | 1156063  | 8.99%   | 0.678% |
| 79  | 14.009 | 2021 | 2027 | 2028 | rBV3 | 337338  | 547272   | 4.26%   | 0.321% |
| 80  | 14.074 | 2035 | 2038 | 2044 | rVB3 | 898294  | 1141799  | 8.88%   | 0.670% |
| 81  | 14.145 | 2045 | 2050 | 2053 | rVV  | 1717024 | 3023338  | 23.51%  | 1.773% |
| 82  | 14.174 | 2053 | 2055 | 2059 | rVV  | 1929584 | 1650065  | 12.83%  | 0.968% |
| 83  | 14.221 | 2059 | 2063 | 2067 | rVV  | 2350643 | 2344601  | 18.24%  | 1.375% |
| 84  | 14.304 | 2070 | 2077 | 2079 | rVV  | 5321271 | 9587192  | 74.57%  | 5.622% |
| 85  | 14.321 | 2079 | 2080 | 2083 | rVV  | 4388155 | 3265061  | 25.39%  | 1.915% |
| 86  | 14.362 | 2083 | 2087 | 2089 | rVV  | 4433808 | 4219600  | 32.82%  | 2.474% |
| 87  | 14.386 | 2089 | 2091 | 2094 | rVB2 | 641133  | 520256   | 4.05%   | 0.305% |
| 88  | 14.439 | 2094 | 2100 | 2101 | rBV  | 4449307 | 6405558  | 49.82%  | 3.756% |
| 89  | 14.451 | 2101 | 2102 | 2105 | rVB  | 5242022 | 2930859  | 22.80%  | 1.719% |
| 90  | 14.551 | 2114 | 2119 | 2121 | rVV  | 6055168 | 6653183  | 51.75%  | 3.902% |
| 91  | 14.574 | 2121 | 2123 | 2126 | rVB  | 553550  | 389896   | 3.03%   | 0.229% |
| 92  | 14.680 | 2135 | 2141 | 2144 | rVB  | 8154724 | 10670459 | 82.99%  | 6.257% |
| 93  | 14.751 | 2144 | 2153 | 2156 | rVV  | 8437328 | 12857256 | 100.00% | 7.540% |
| 94  | 14.939 | 2181 | 2185 | 2188 | rBV  | 728204  | 1130821  | 8.80%   | 0.663% |
| 95  | 15.004 | 2192 | 2196 | 2199 | rVB2 | 391303  | 459952   | 3.58%   | 0.270% |
| 96  | 15.227 | 2230 | 2234 | 2237 | rBV  | 633162  | 731754   | 5.69%   | 0.429% |
| 97  | 15.286 | 2240 | 2244 | 2249 | rVB  | 1012584 | 1158245  | 9.01%   | 0.679% |
| 98  | 15.339 | 2249 | 2253 | 2256 | rBV  | 836523  | 1189405  | 9.25%   | 0.697% |
| 99  | 16.727 | 2484 | 2489 | 2497 | rVB2 | 377903  | 690860   | 5.37%   | 0.405% |
| 100 | 17.145 | 2556 | 2560 | 2567 | rVB  | 241861  | 451151   | 3.51%   | 0.265% |

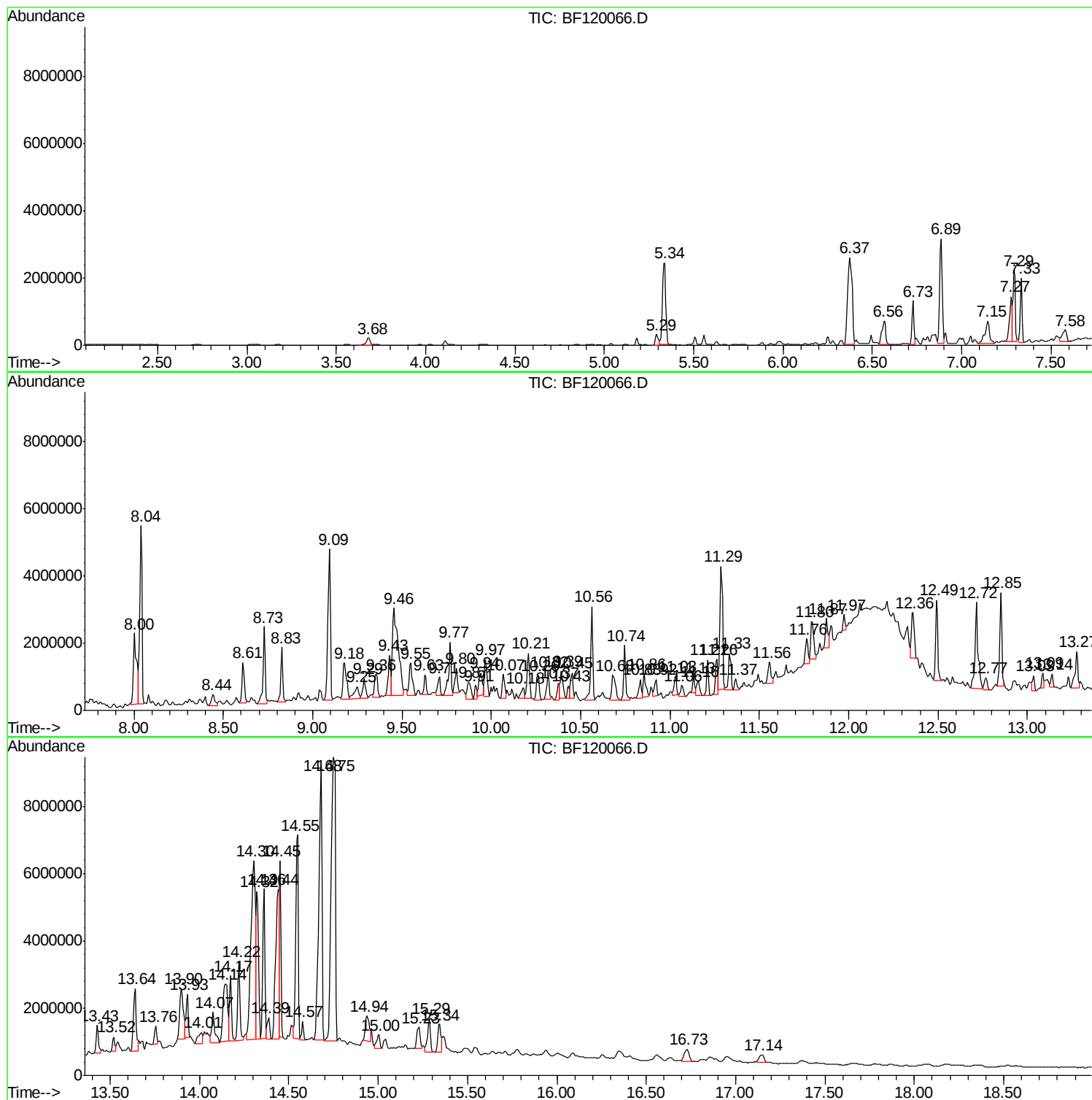
Sum of corrected areas: 170526394

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

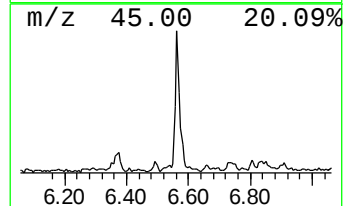
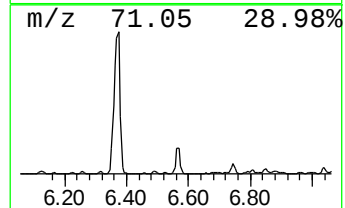
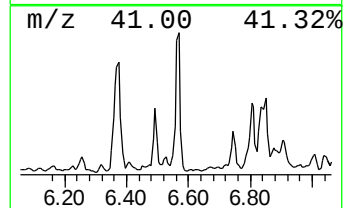
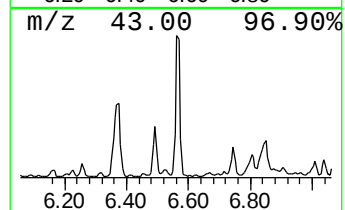
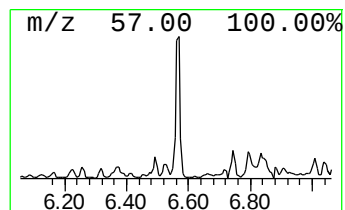
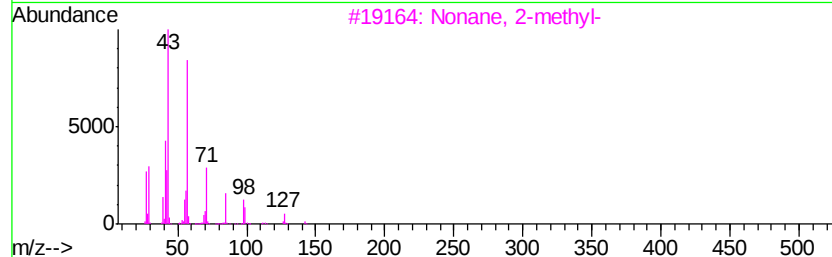
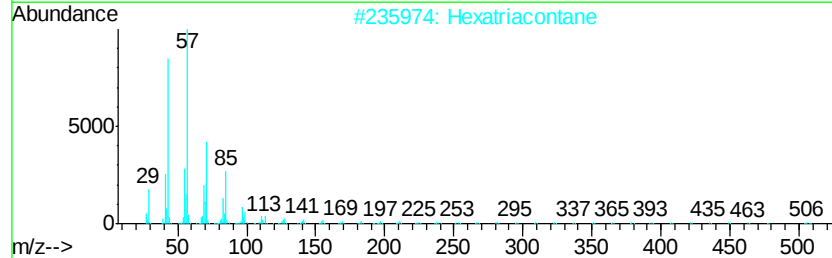
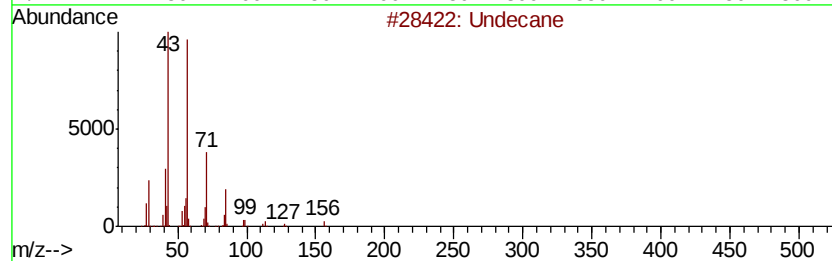
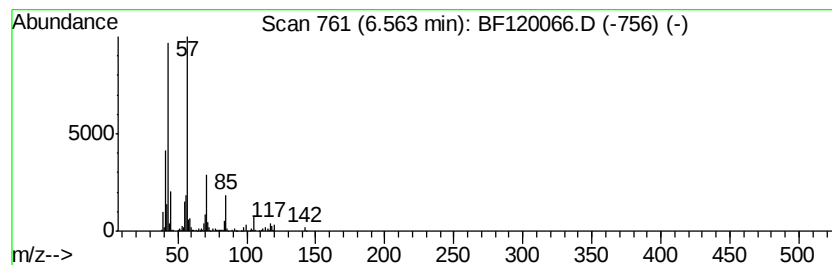
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Undecane Concentration Rank 17

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.56 | 17.79 ng | 948747 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane              | 156 | C11H24  | 001120-21-4 | 53   |
| 2    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 53   |
| 3    |    | Nonane, 2-methyl-     | 142 | C10H22  | 000871-83-0 | 52   |
| 4    |    | Octane, 2,7-dimethyl- | 142 | C10H22  | 001072-16-8 | 50   |
| 5    |    | Nonane, 4-methyl-     | 142 | C10H22  | 017301-94-9 | 47   |



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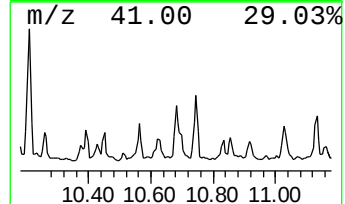
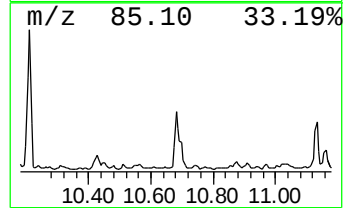
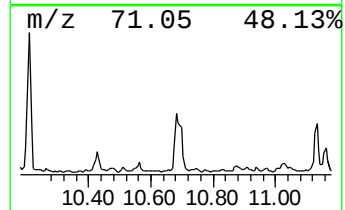
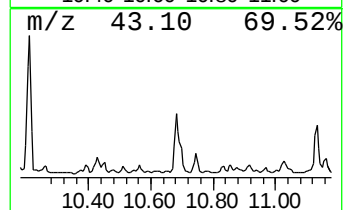
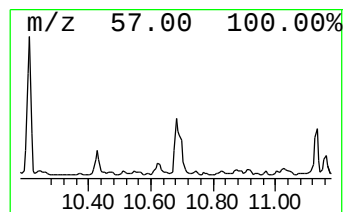
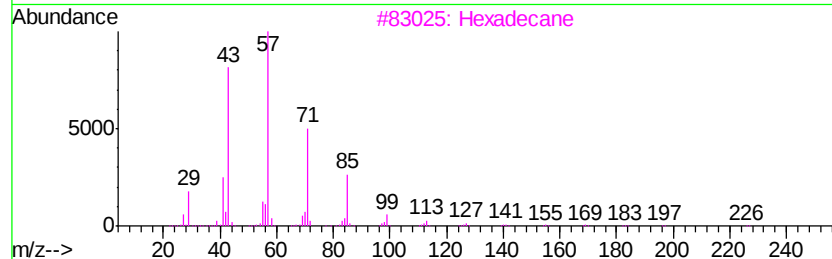
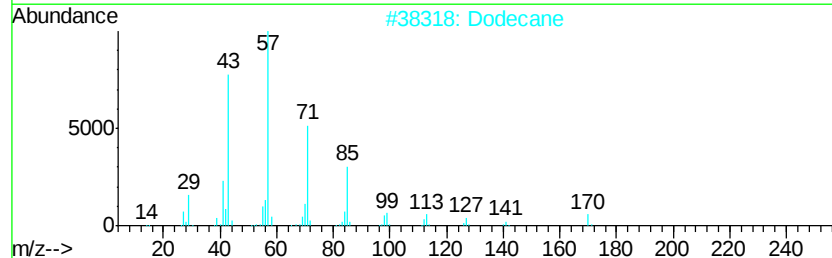
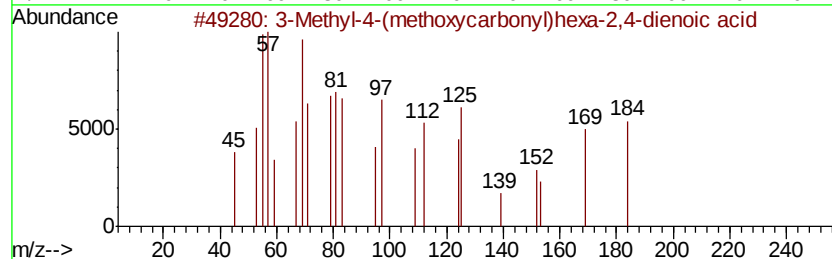
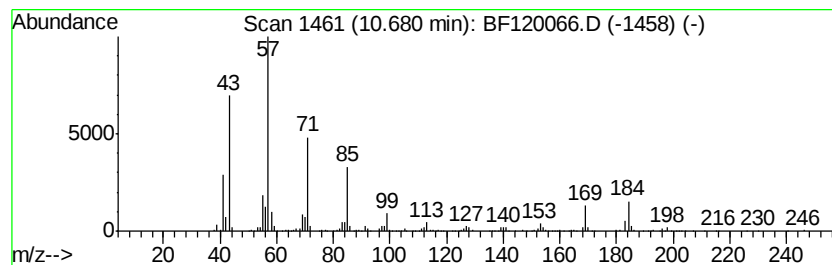
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 3-Methyl-4-(methoxycarbonyl... Concentration Rank 15

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|----------|-------------------------------------|------------------|-----------|--------------|------|
| 10.68   | 18.23 ng | 1013420                             | Phenanthrene-d10 | 11.26     |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |          | 3-Methyl-4-(methoxycarbonyl)hexa... | 184              | C9H12O4   | 1000104-10-8 | 92   |
| 2       |          | Dodecane                            | 170              | C12H26    | 000112-40-3  | 58   |
| 3       |          | Hexadecane                          | 226              | C16H34    | 000544-76-3  | 58   |
| 4       |          | Sulfurous acid, 2-ethylhexyl hex... | 278              | C14H30O3S | 1000309-20-2 | 52   |
| 5       |          | Nonadecane                          | 268              | C19H40    | 000629-92-5  | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

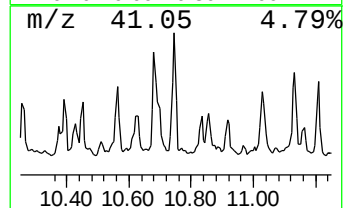
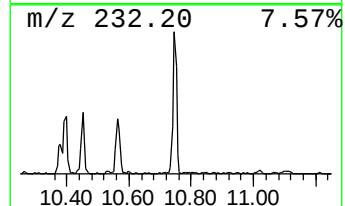
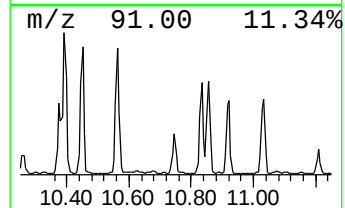
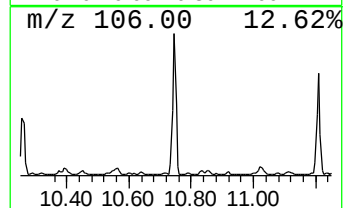
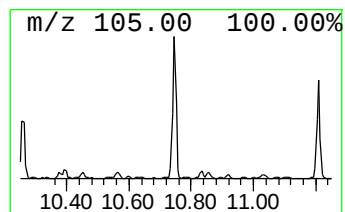
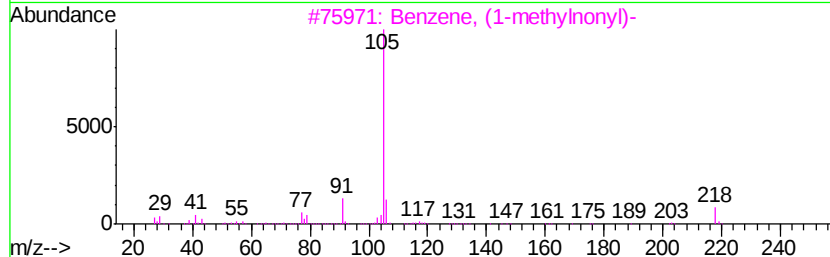
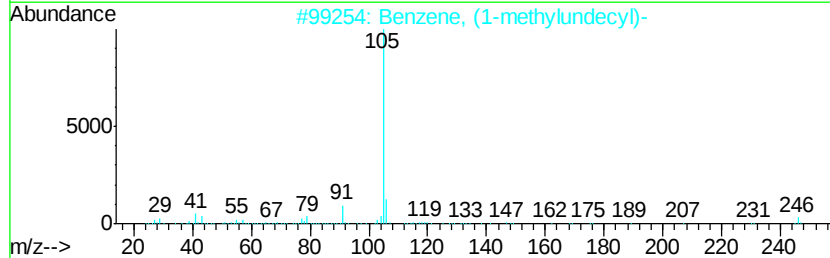
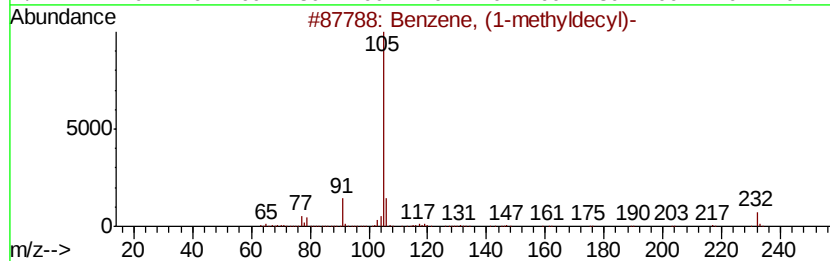
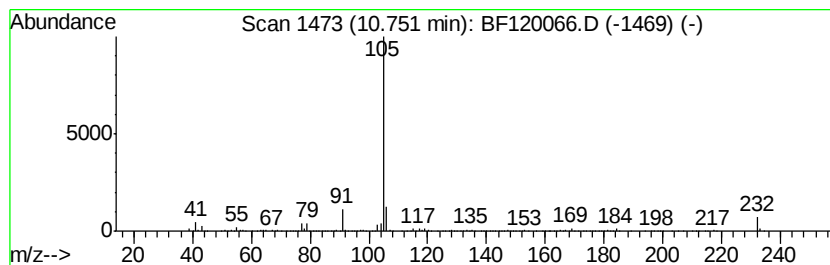
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, (1-methyldecyl)- Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.75 | 25.47 ng | 1416030 | Phenanthrene-d10 | 11.26 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (1-methyldecyl)-   | 232 | C17H28  | 004536-88-3 | 91   |
| 2    |    | Benzene, (1-methylundecyl)- | 246 | C18H30  | 002719-61-1 | 72   |
| 3    |    | Benzene, (1-methylnonyl)-   | 218 | C16H26  | 004537-13-7 | 64   |
| 4    |    | Benzene, (1-methylheptyl)-  | 190 | C14H22  | 000777-22-0 | 64   |
| 5    |    | Benzene, (1-methyldodecyl)- | 260 | C19H32  | 004534-53-6 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

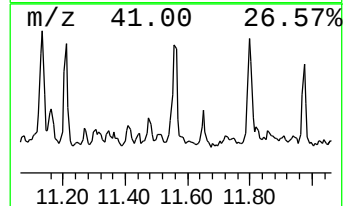
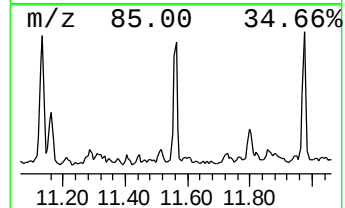
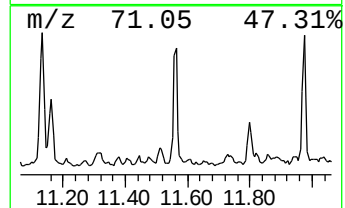
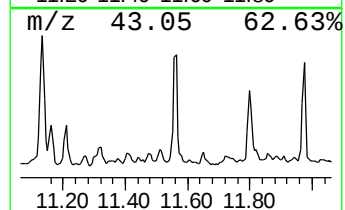
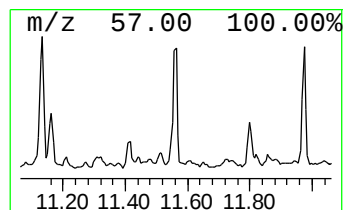
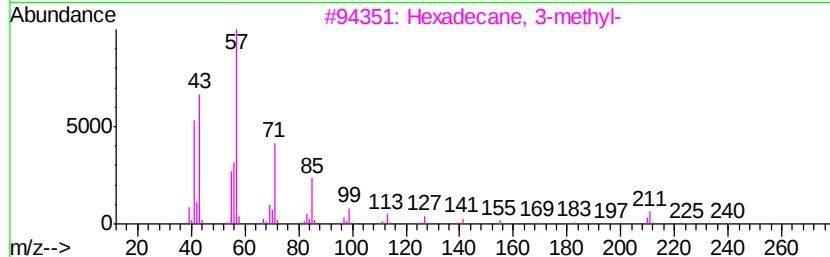
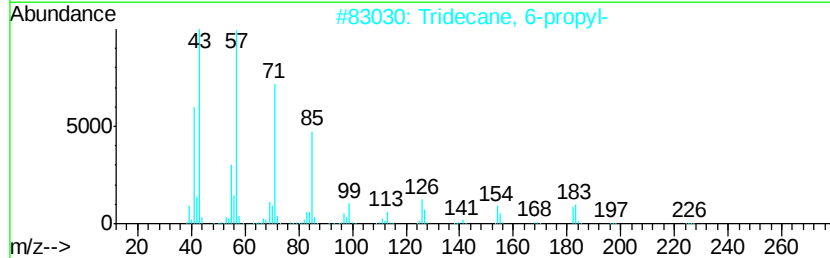
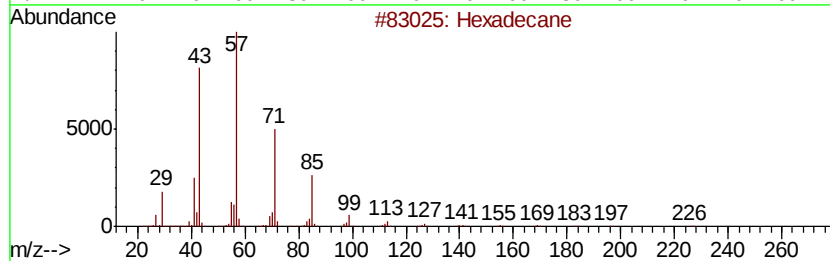
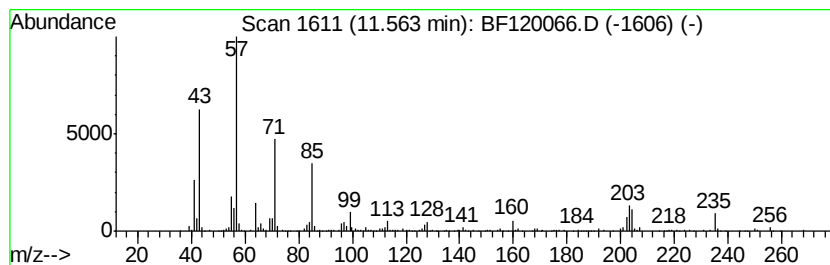
Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Hexadecane Concentration Rank 20

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 11.56     | 14.73 ng              | 819263 | Phenanthrene-d10 | 11.26       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane            | 226    | C16H34           | 000544-76-3 | 42   |
| 2         | Tridecane, 6-propyl-  | 226    | C16H34           | 055045-10-8 | 42   |
| 3         | Hexadecane, 3-methyl- | 240    | C17H36           | 006418-43-5 | 38   |
| 4         | Tridecane             | 184    | C13H28           | 000629-50-5 | 38   |
| 5         | 2-Bromo dodecane      | 248    | C12H25Br         | 013187-99-0 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

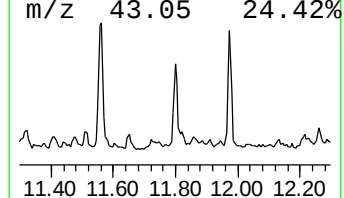
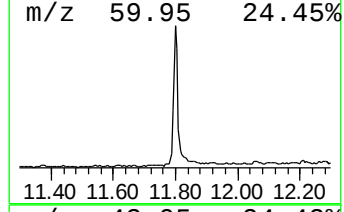
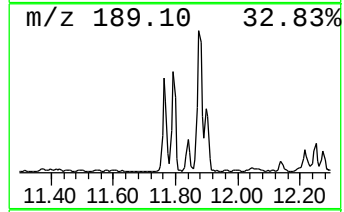
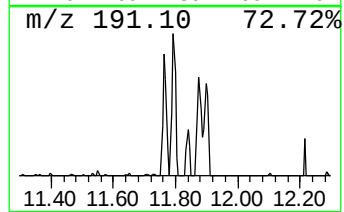
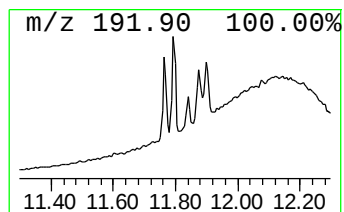
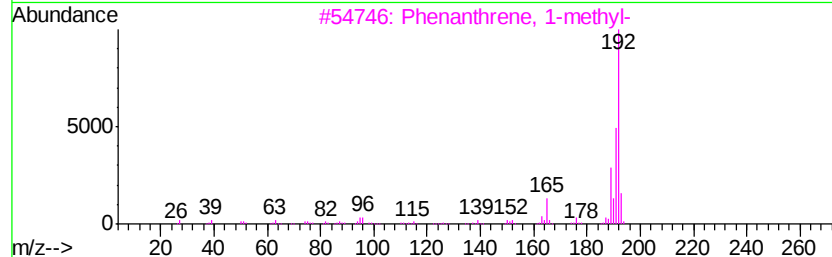
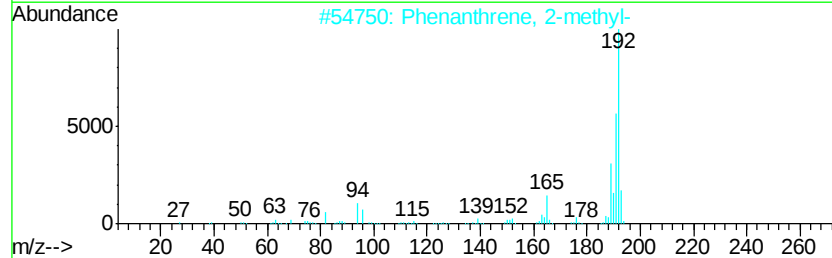
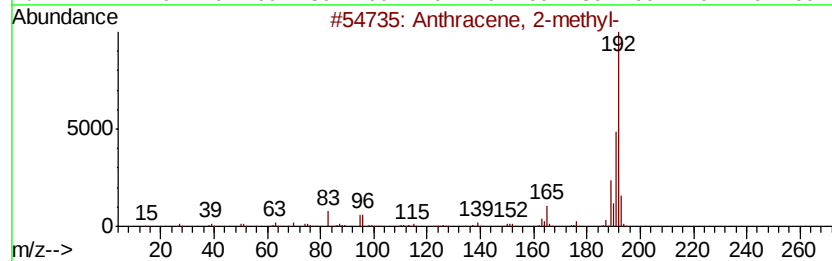
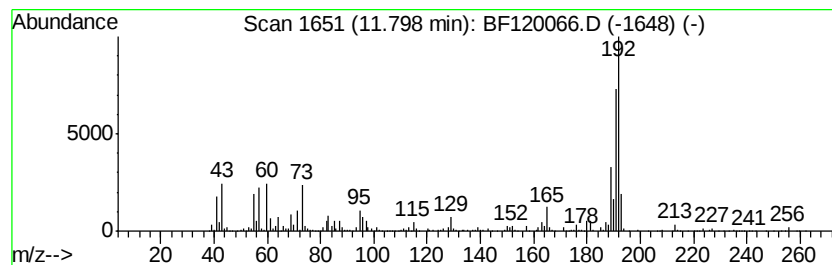
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.80 | 21.54 ng | 1197870 | Phenanthrene-d10 | 11.26 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |    | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 95   |
| 4    |    | 5H-Dibenzofa,dlcycloheptene | 192 | C15H12  | 000256-81-5 | 93   |
| 5    |    | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

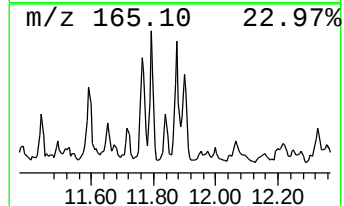
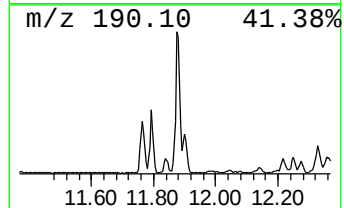
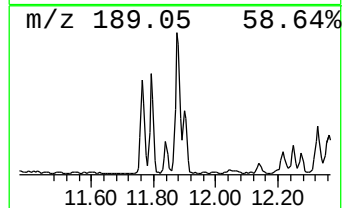
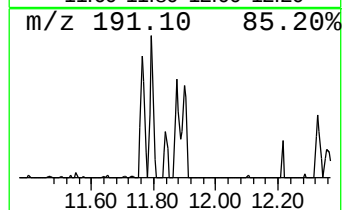
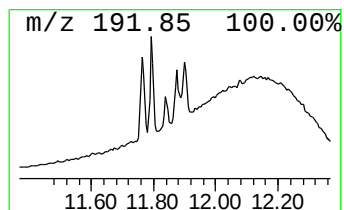
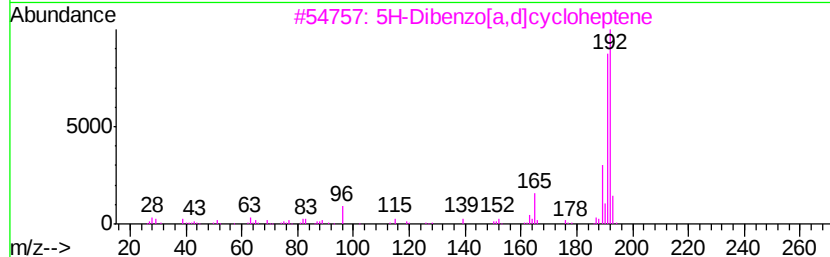
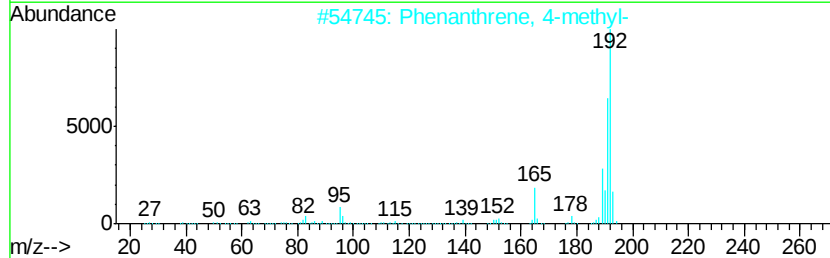
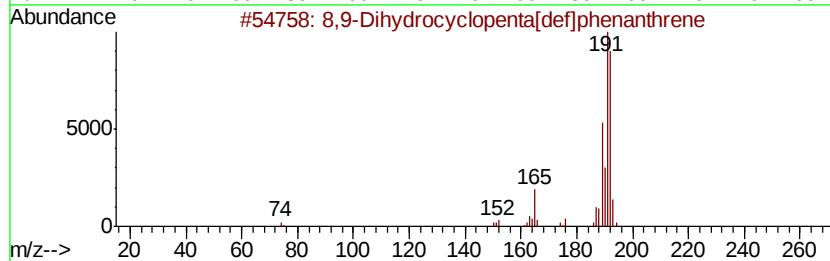
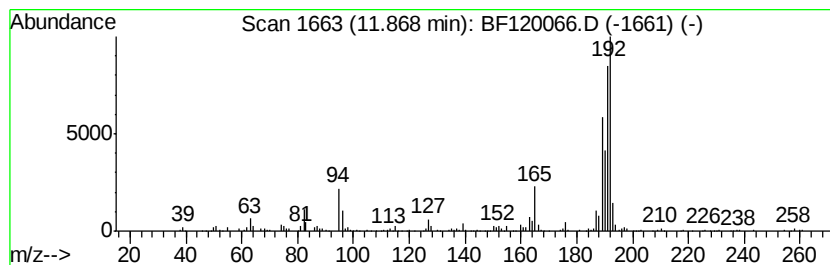
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 8,9-Dihydrocyclopenta[def]p... Concentration Rank 16

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.87 | 17.85 ng | 992441 | Phenanthrene-d10 | 11.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 8,9-Dihydrocyclopenta[def]phenan... | 192 | C15H12  | 027410-55-5 | 90   |
| 2    |    | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 50   |
| 3    |    | 5H-Dibenzof[a,d]cycloheptene        | 192 | C15H12  | 000256-81-5 | 50   |
| 4    |    | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 50   |
| 5    |    | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

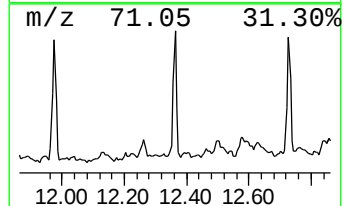
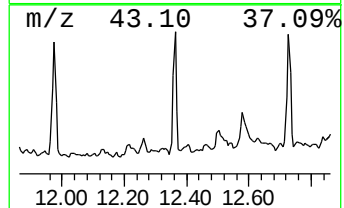
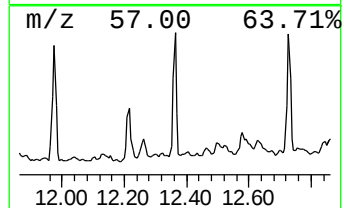
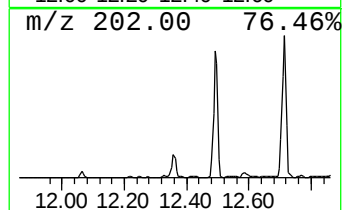
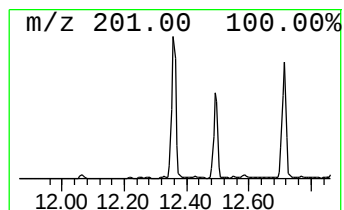
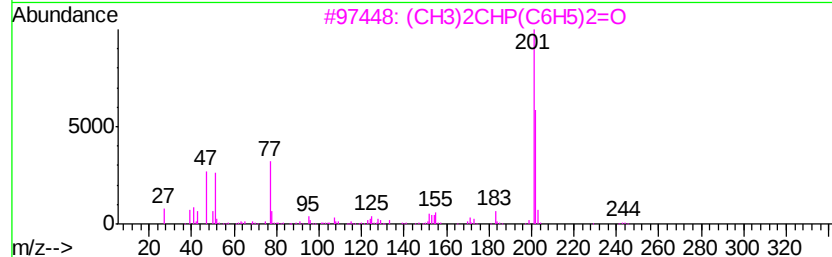
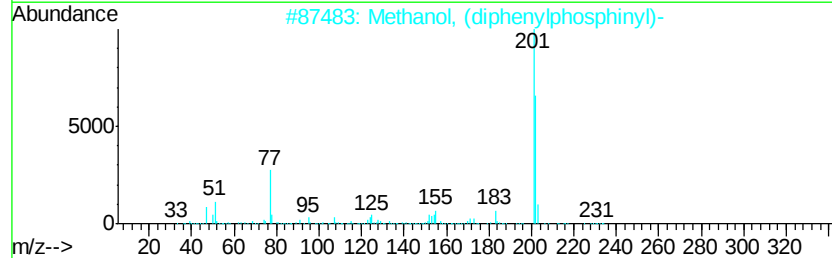
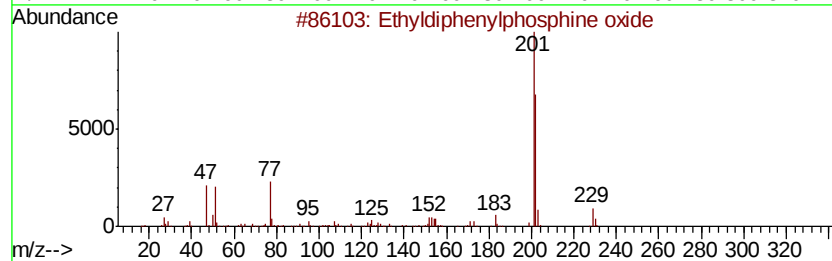
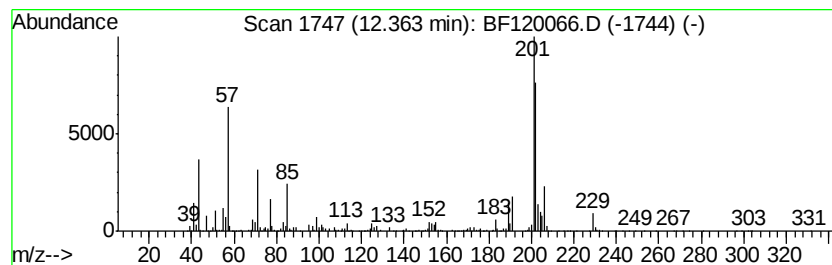
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Ethyldiphenylphosphine oxide Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.36 | 24.80 ng | 1378910 | Phenanthrene-d10 | 11.26 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Ethyldiphenylphosphine oxide        | 230 | C14H15OP   | 001733-57-9 | 95   |
| 2    |    | Methanol, (diphenylphosphinyl)-     | 232 | C13H13O2P  | 000884-74-2 | 58   |
| 3    |    | (CH3)2CHP(C6H5)2=O                  | 244 | C15H17OP   | 002959-75-3 | 47   |
| 4    |    | Phosphine oxide, diphenylpropenyl-  | 242 | C15H15OP   | 004252-89-5 | 46   |
| 5    |    | 2,4(1H,3H)-Pyrimidinedione, 6-me... | 202 | C11H10N2O2 | 001015-64-1 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

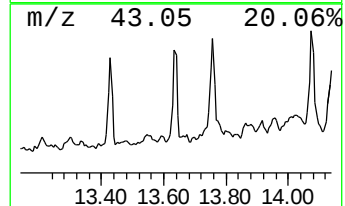
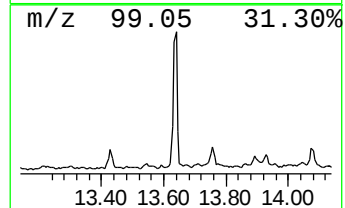
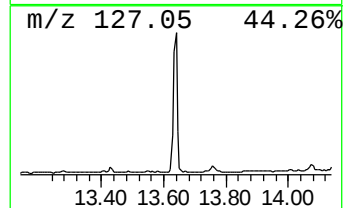
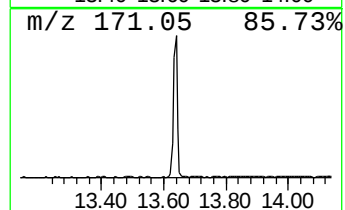
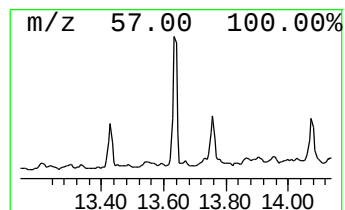
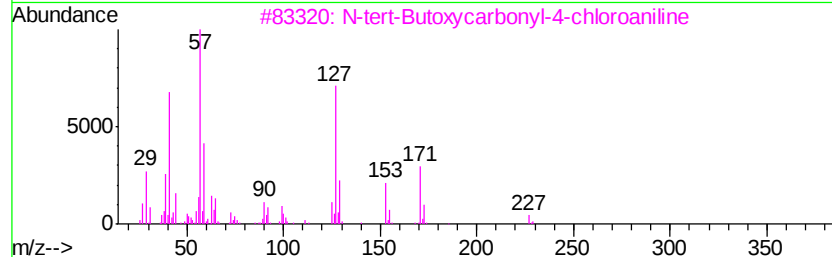
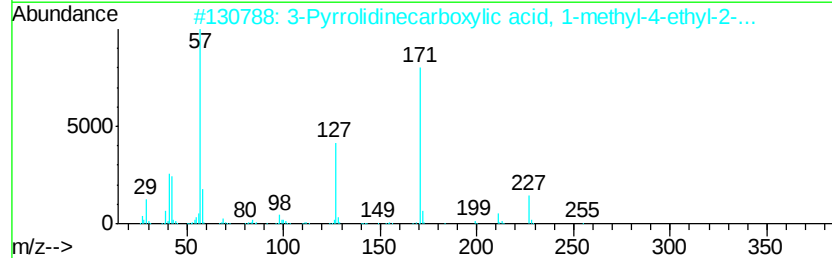
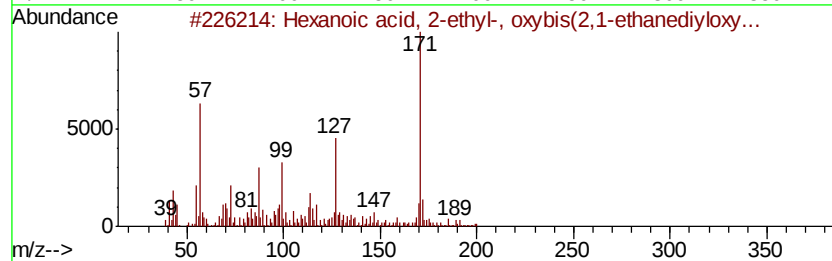
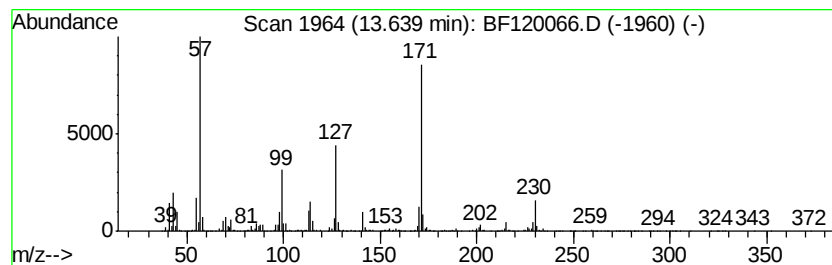
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown13.64 Concentration Rank 18

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.64 | 17.32 ng | 1928120 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Hexanoic acid, 2-ethyl-, oxybis(... | 446 | C24H46O7    | 018268-70-7  | 43   |
| 2    |    | 3-Pyrrolidinecarboxylic acid, 1-... | 284 | C15H28N2O3  | 1000196-95-3 | 40   |
| 3    |    | N-tert-Butoxycarbonyl-4-chloroan... | 227 | C11H14ClNO2 | 018437-66-6  | 38   |
| 4    |    | Benzeneethanamine, 2-fluoro-4-hy... | 171 | C8H10FN02   | 1000116-43-3 | 35   |
| 5    |    | 2,4-Difluorophenyl isothiocyanate   | 171 | C7H3F2NS    | 141106-52-7  | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

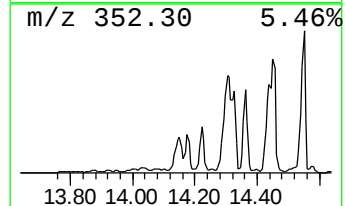
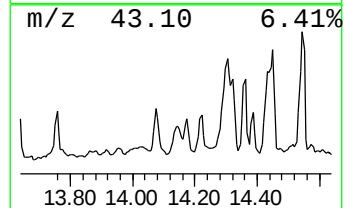
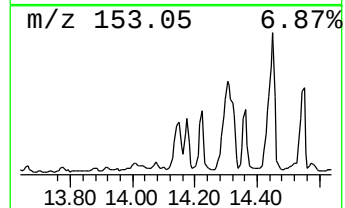
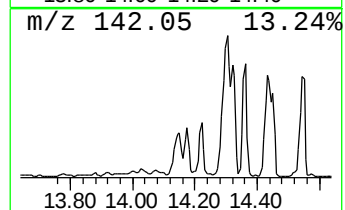
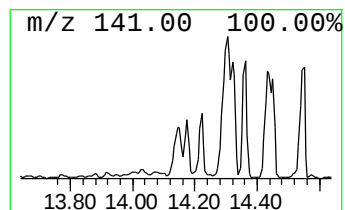
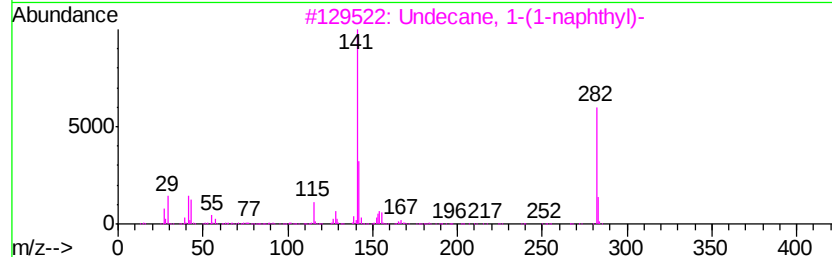
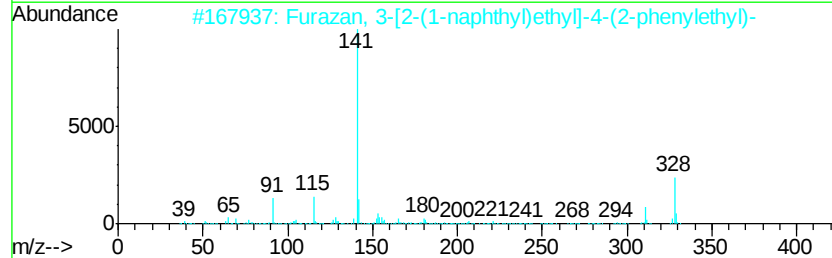
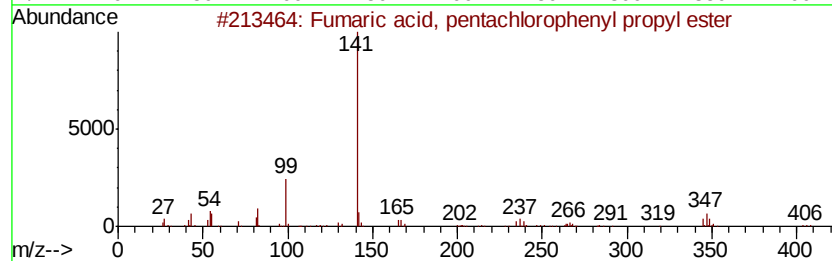
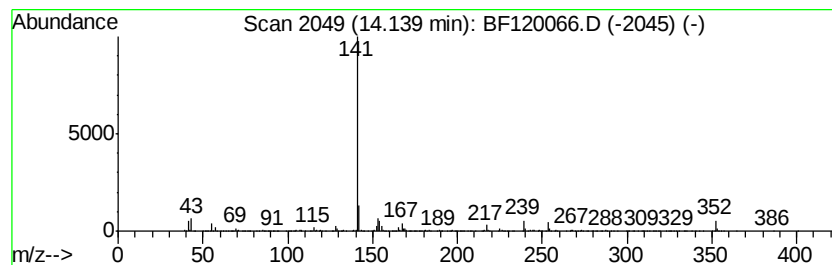
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown14.14 Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.14 | 27.16 ng | 3023340 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Fumaric acid, pentachlorophenyl ... | 404 | C13H9Cl5O4   | 1000348-17-9 | 39   |
| 2    |    | Furazan, 3-[2-(1-naphthyl)ethyl]... | 328 | C22H20N2O    | 1000263-48-8 | 39   |
| 3    |    | Undecane, 1-(1-naphthyl)-           | 282 | C21H30       | 007225-71-0  | 36   |
| 4    |    | Naphthalene, 1-pentadecyl-          | 338 | C25H38       | 055191-63-4  | 12   |
| 5    |    | 2,5-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-56-9 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

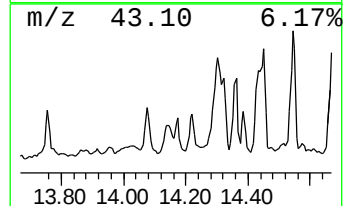
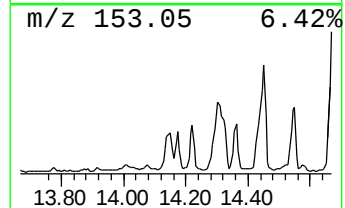
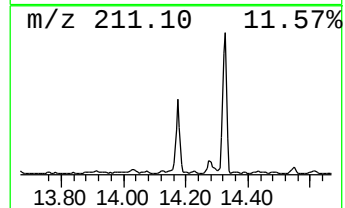
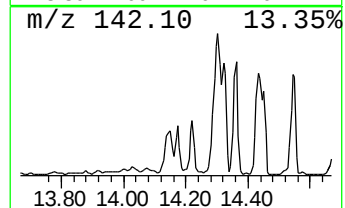
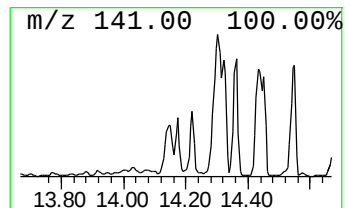
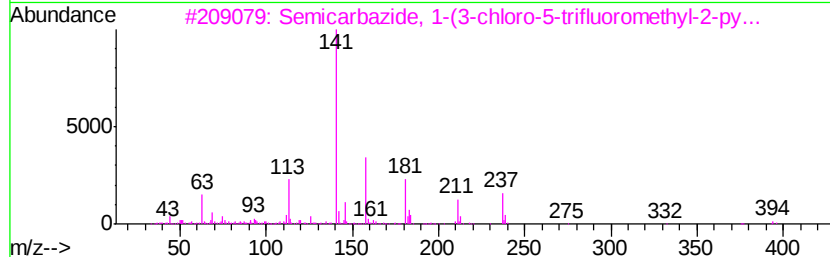
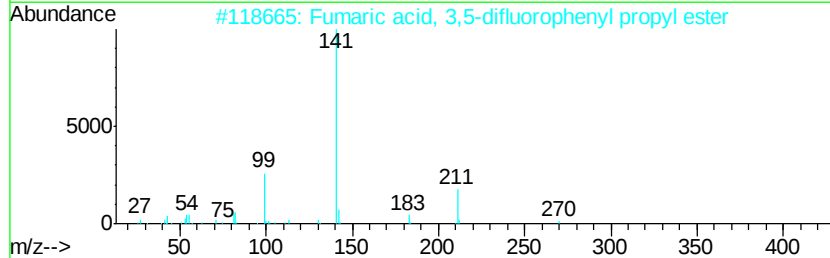
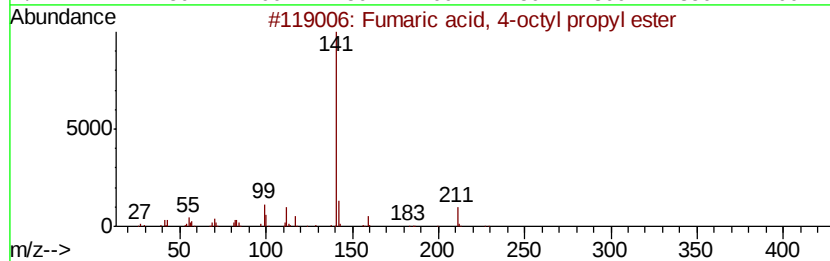
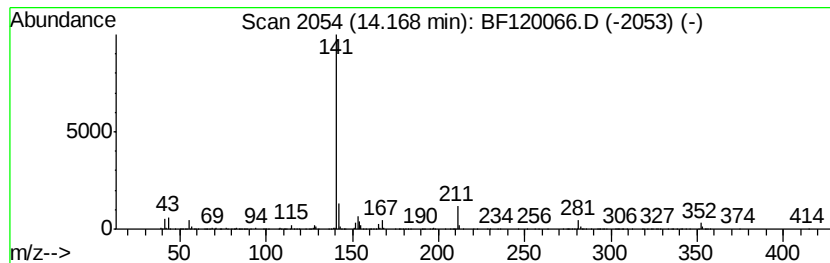
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown14.17 Concentration Rank 19

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.17 | 14.82 ng | 1650070 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------------|--------------|------|
| 1    | 5  | Fumaric acid, 4-octyl propyl ester  | 270 | C15H26O4      | 1000339-21-2 | 39   |
| 2    |    | Fumaric acid, 3,5-difluorophenyl... | 270 | C13H12F2O4    | 1000339-36-8 | 38   |
| 3    |    | Semicarbazide, 1-(3-chloro-5-tri... | 394 | C14H8ClF5N4O2 | 1000301-39-2 | 9    |
| 4    |    | 2,5-Difluorobenzoic acid, butyl ... | 214 | C11H12F2O2    | 1000338-80-2 | 9    |
| 5    |    | Glycine, N-(2,6-difluorobenzoyl)... | 285 | C14H17F2N03   | 1000314-44-1 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

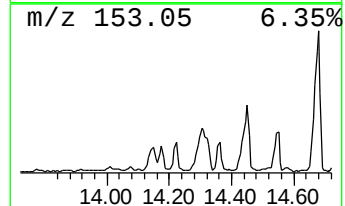
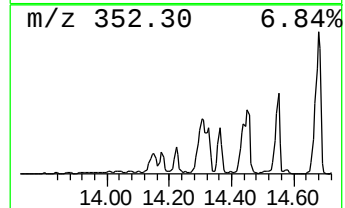
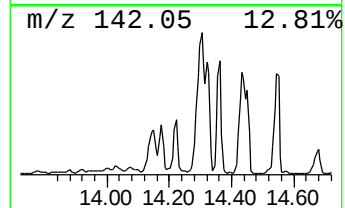
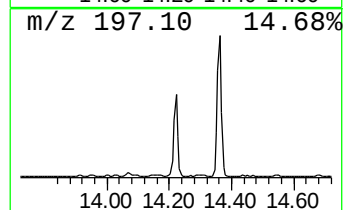
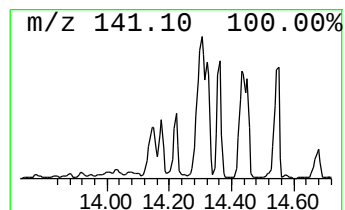
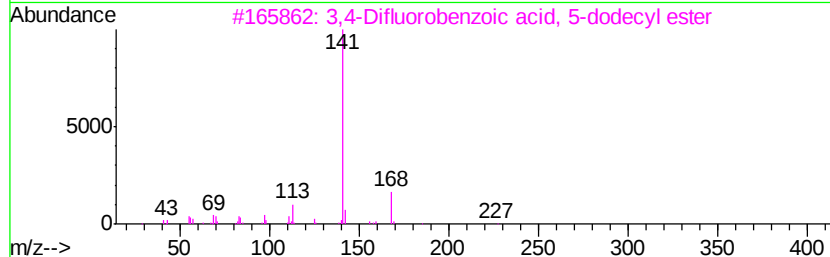
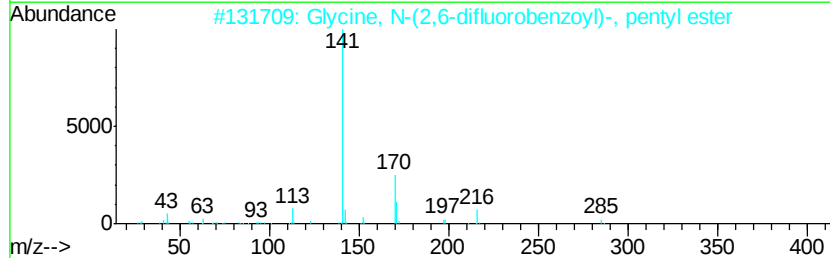
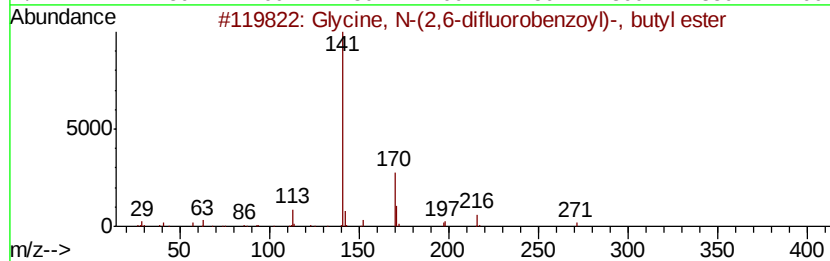
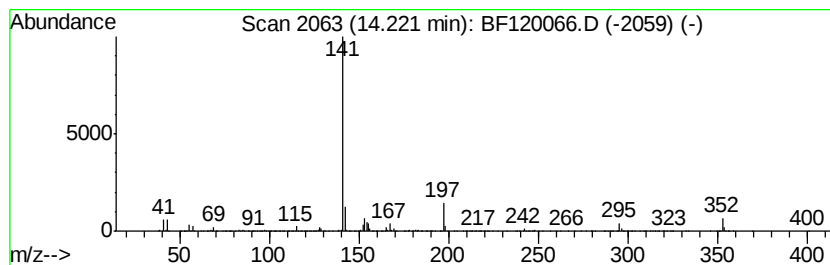
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown14.22 Concentration Rank 14

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.22 | 21.06 ng | 2344600 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|--------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Glycine, N-(2,6-difluorobenzoyl)...  | 271 | C13H15F2N03 | 1000314-44-0 | 45   |
| 2    |    | Glycine, N-(2,6-difluorobenzoyl)...  | 285 | C14H17F2N03 | 1000314-44-1 | 38   |
| 3    |    | 3,4-Difluorobenzoic acid, 5-dodec... | 326 | C19H28F2O2  | 1000338-59-8 | 36   |
| 4    |    | 5'-Chloro-2'-methylacetanilide       | 183 | C9H10ClNO   | 005900-55-0  | 36   |
| 5    |    | 2,4-Difluorobenzoic acid, 5-dodec... | 326 | C19H28F2O2  | 1000338-56-5 | 36   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

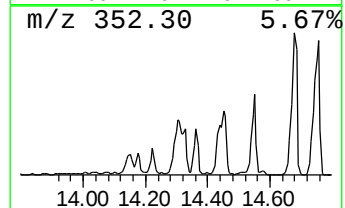
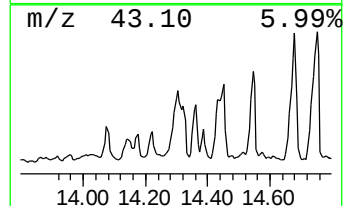
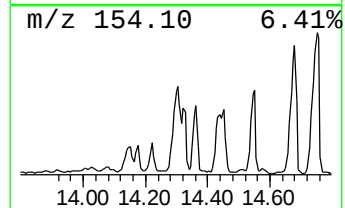
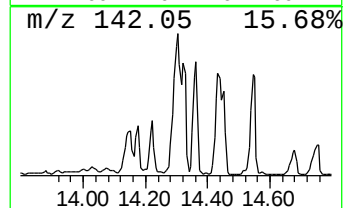
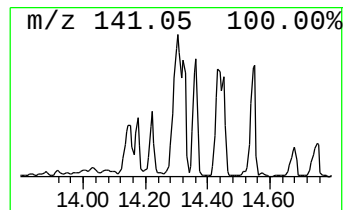
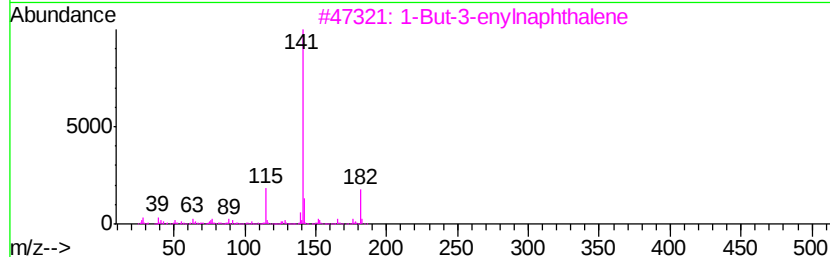
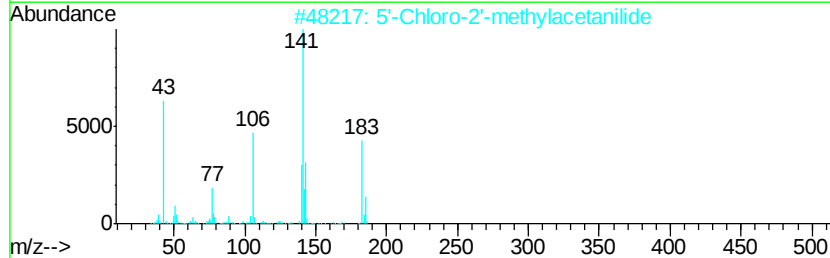
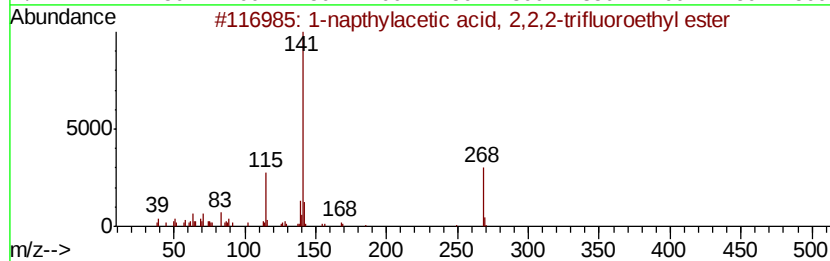
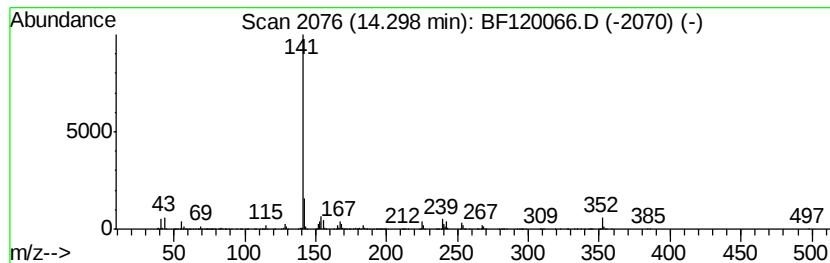
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 unknown14,30 Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.30 | 86.13 ng | 9587190 | Chrysene-d12     | 13.90 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm      | CAS#         | Qual |
|---------|---|--------------------------------------|-----|--------------|--------------|------|
| 1       |   | 1-naphthylacetic acid, 2,2,2-trif... | 268 | C14H11F3O2   | 1000376-56-3 | 36   |
| 2       |   | 5'-Chloro-2'-methylacetanilide       | 183 | C9H10ClNO    | 005900-55-0  | 36   |
| 3       |   | 1-But-3-enylnaphthalene              | 182 | C14H14       | 002489-88-5  | 36   |
| 4       |   | Razoxane                             | 268 | C11H16N4O4   | 021416-67-1  | 9    |
| 5       |   | 2,4-Difluorobenzoic acid, 2,4-di...  | 352 | C17H8Cl2F2O2 | 1000331-58-5 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

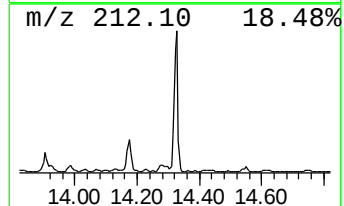
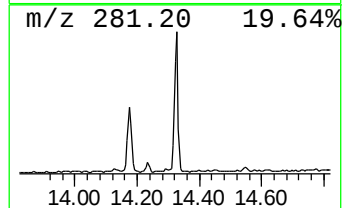
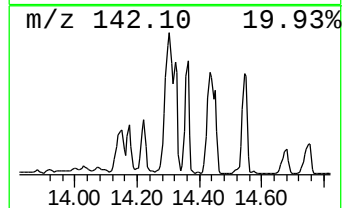
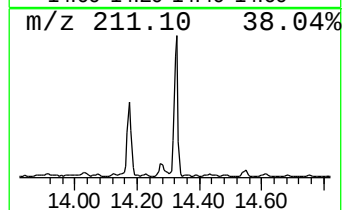
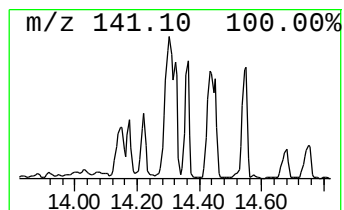
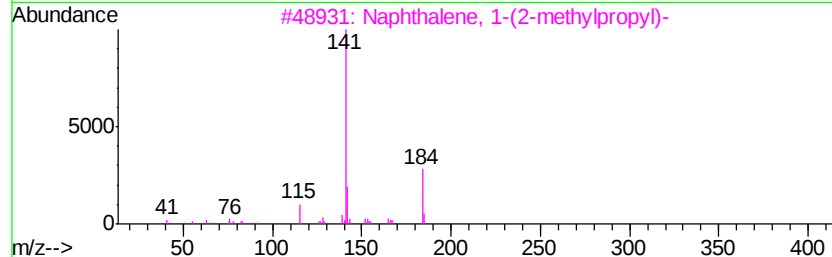
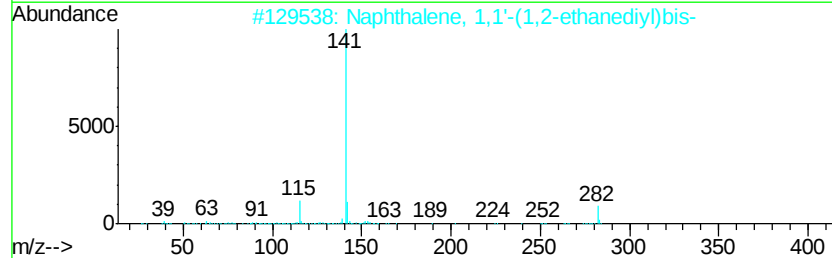
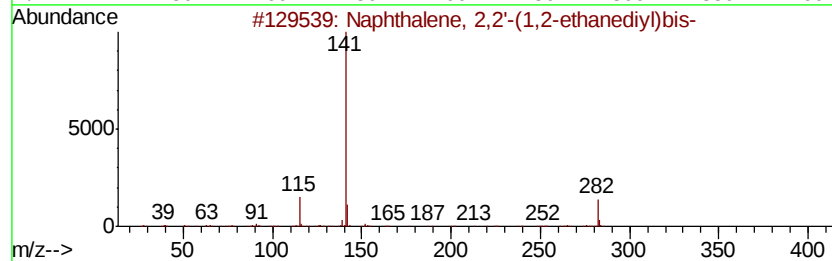
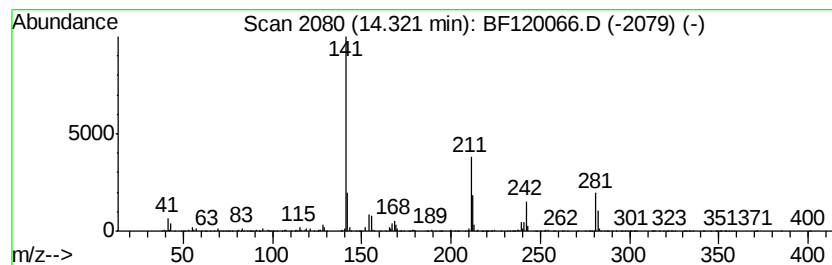
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 unknown14.32 Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.32 | 29.33 ng | 3265060 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Naphthalene, 2,2'-(1,2-ethanediv... | 282 | C22H18    | 021969-45-9  | 43   |
| 2    |    | Naphthalene, 1,1'-(1,2-ethanediv... | 282 | C22H18    | 015374-45-5  | 32   |
| 3    |    | Naphthalene, 1-(2-methylpropyl)-    | 184 | C14H16    | 016727-91-6  | 25   |
| 4    |    | 2-[2-(2-Methoxyethoxy)ethoxy]eth... | 260 | C9H15F3O5 | 1000351-95-5 | 25   |
| 5    |    | Undecane, 1-(1-naphthyl)-           | 282 | C21H30    | 007225-71-0  | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

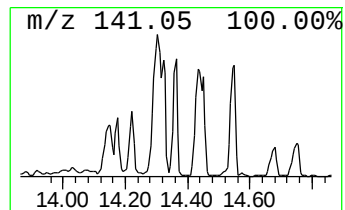
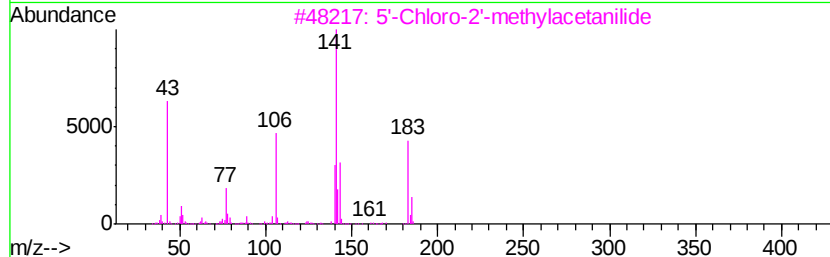
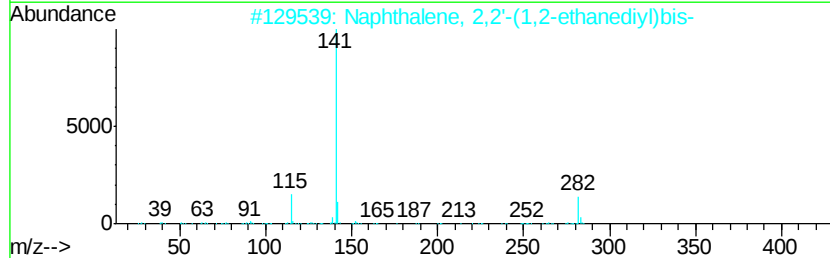
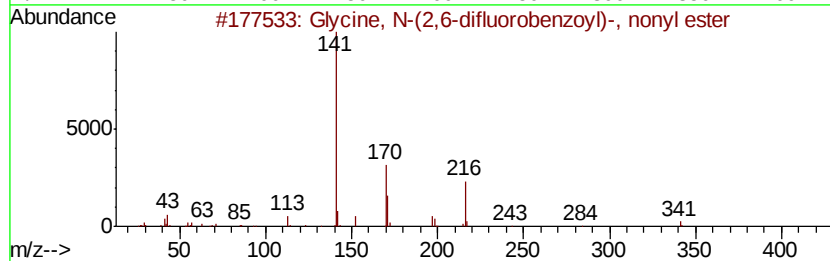
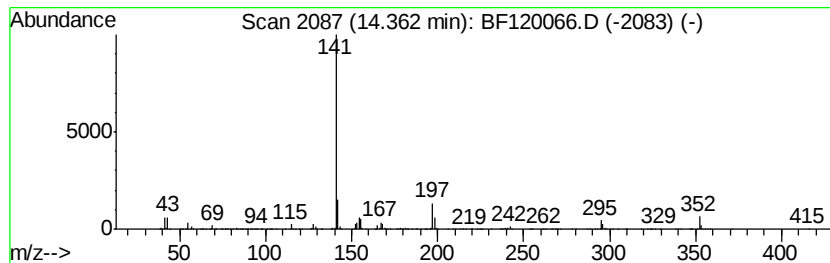
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown14.36 Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.36 | 37.91 ng | 4219600 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                          | MW  | MolForm     | CAS#         | Qual |
|------|----|---------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Glycine, N-(2,6-difluorobenzoyl)...   | 341 | C18H25F2N03 | 1000314-44-6 | 38   |
| 2    |    | Naphthalene, 2,2'-(1,2-ethanediyl)... | 282 | C22H18      | 021969-45-9  | 36   |
| 3    |    | 5'-Chloro-2'-methylacetanilide        | 183 | C9H10ClNO   | 005900-55-0  | 36   |
| 4    |    | Naphthalene, 1-(2-methylpropyl)-      | 184 | C14H16      | 016727-91-6  | 36   |
| 5    |    | Fumaric acid, 2,4-dichloronaphth...   | 352 | C17H14Cl2O4 | 1000344-93-2 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

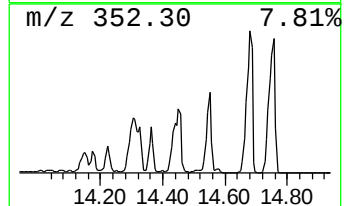
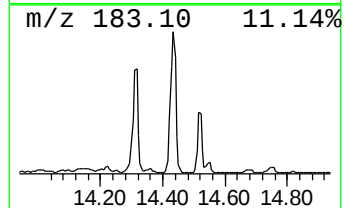
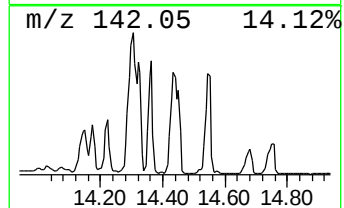
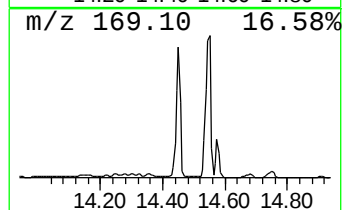
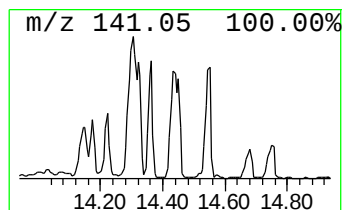
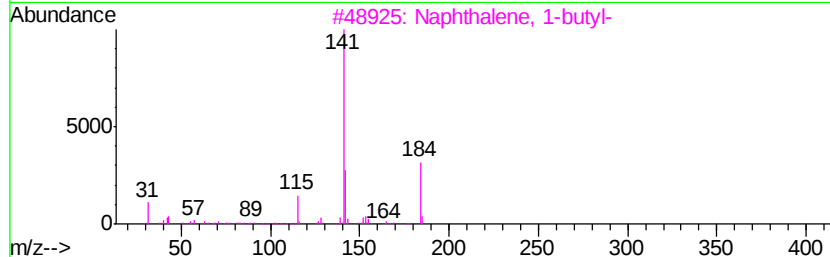
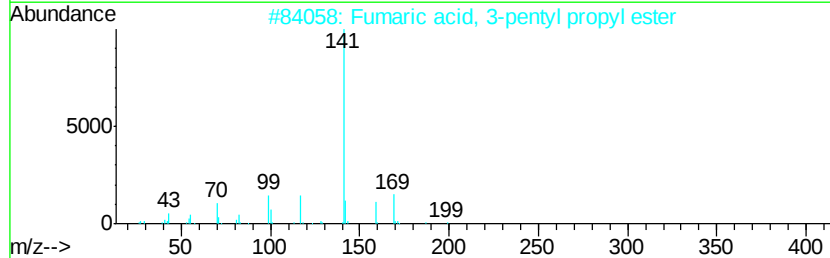
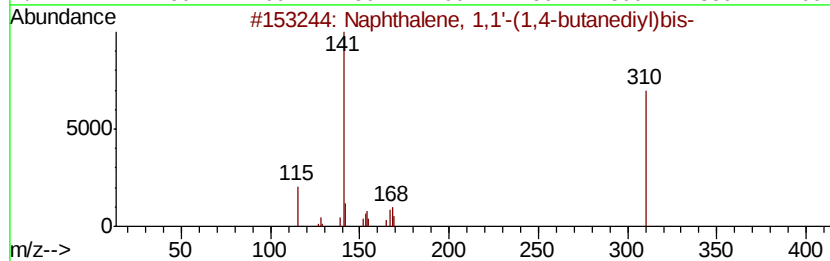
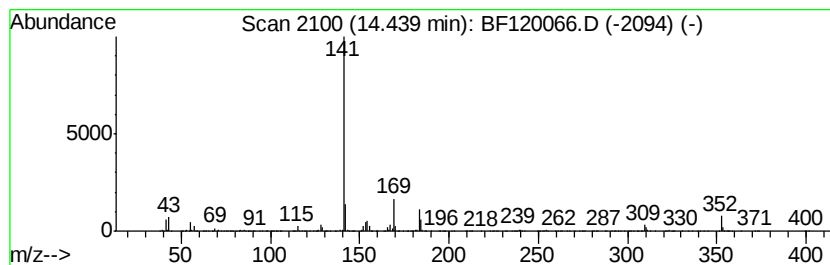
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown14.44 Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.44 | 57.55 ng | 6405560 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Naphthalene, 1,1'-(1,4-butanediol)  | 310 | C24H22       | 029571-17-3  | 45   |
| 2    |    | Fumaric acid, 3-pentyl propyl ester | 228 | C12H20O4     | 1000330-39-4 | 45   |
| 3    |    | Naphthalene, 1-butyl-               | 184 | C14H16       | 001634-09-9  | 40   |
| 4    |    | 2,5-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-56-9 | 9    |
| 5    |    | 2-(Pentafluorophenoxy)ethanol, t... | 324 | C10H4F8O3    | 1000365-05-7 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

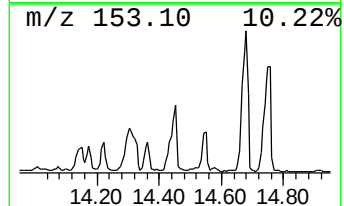
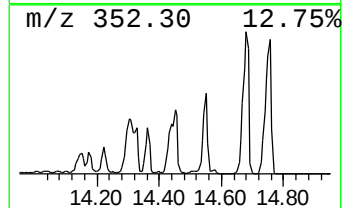
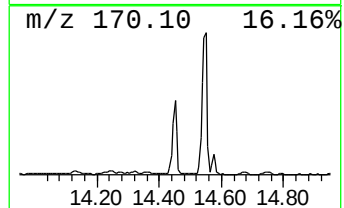
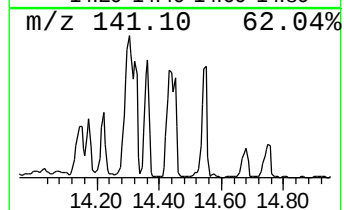
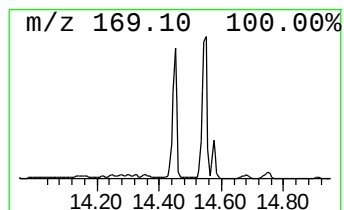
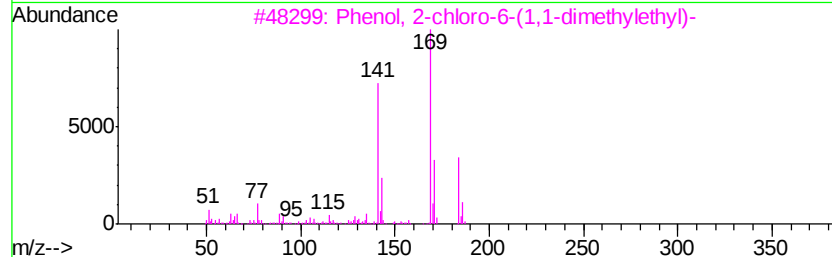
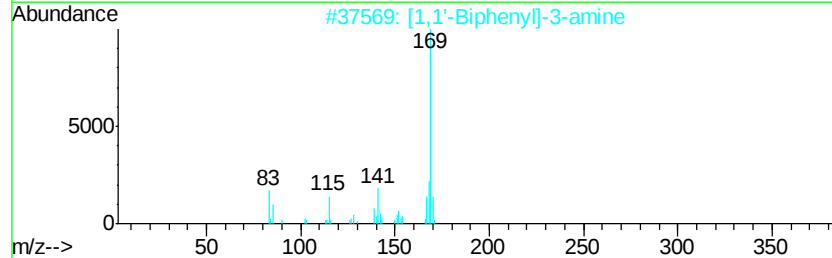
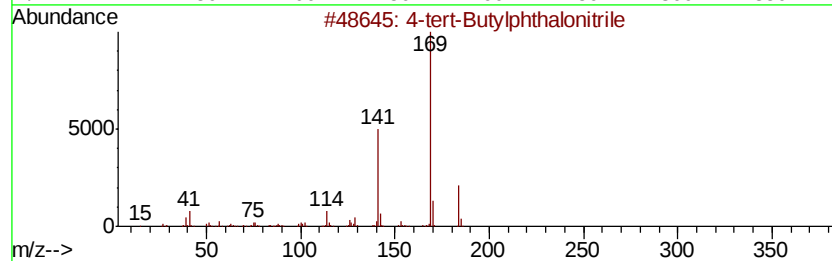
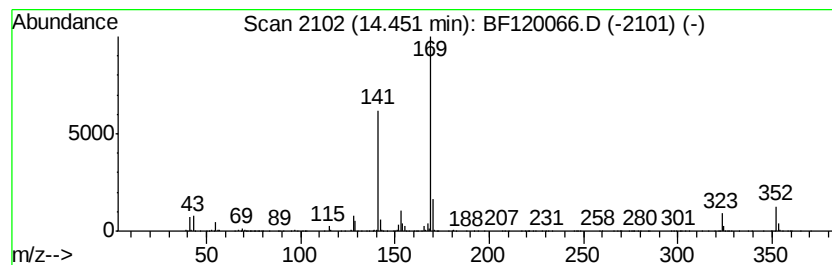
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 4-tert-Butylphthalonitrile Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.45 | 26.33 ng | 2930860 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 4-tert-Butylphthalonitrile          | 184 | C12H12N2   | 032703-80-3  | 59   |
| 2    |    | [1,1'-Biphenyl]-3-amine             | 169 | C12H11N    | 002243-47-2  | 47   |
| 3    |    | Phenol, 2-chloro-6-(1,1-dimethyl... | 184 | C10H13ClO  | 004237-37-0  | 45   |
| 4    |    | 1,2-Cyclohexanedicarboxylic acid... | 354 | C21H38O4   | 1000339-65-9 | 43   |
| 5    |    | Methyl Z-2-bromo-3-chloropropenoate | 198 | C4H4BrClO2 | 120782-26-5  | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

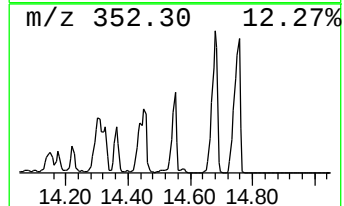
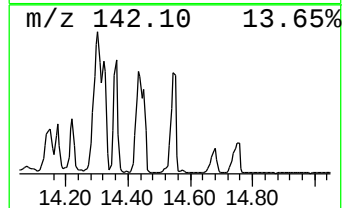
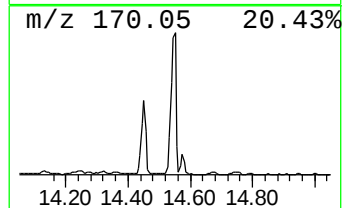
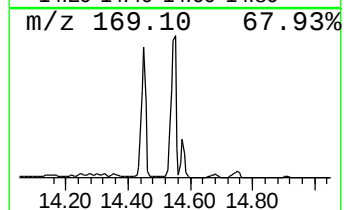
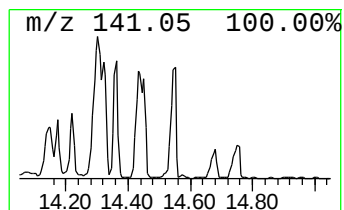
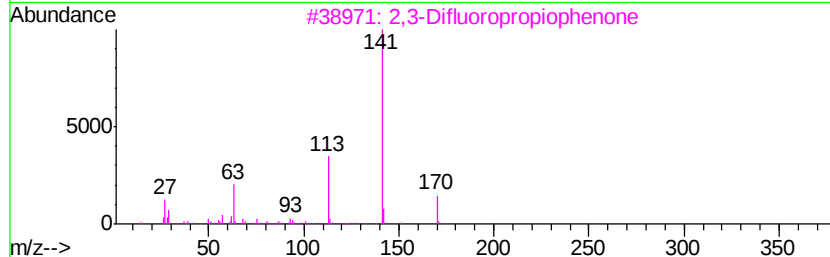
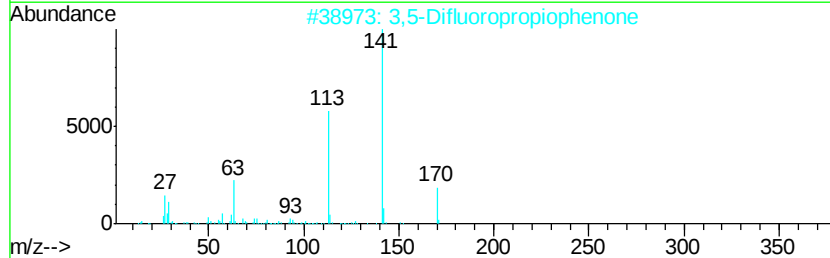
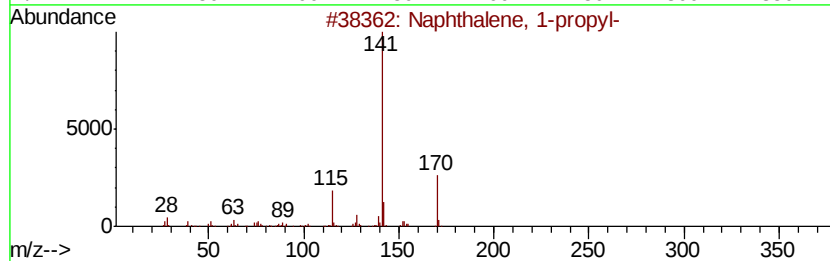
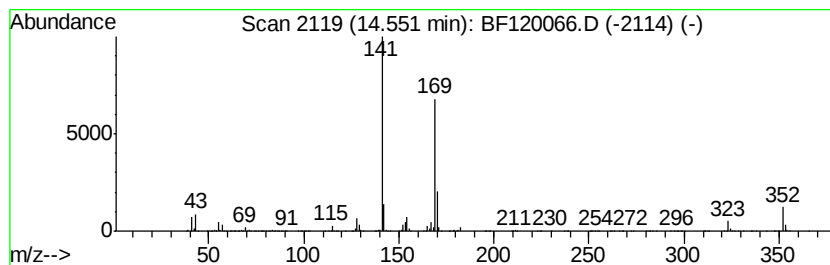
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown14.55 Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.55 | 59.77 ng | 6653180 | Chrysene-d12     | 13.90 |

| Hit# | of | Tentative ID                | MW  | MolForm  | CAS#         | Qual |
|------|----|-----------------------------|-----|----------|--------------|------|
| 1    | 5  | Naphthalene, 1-propyl-      | 170 | C13H14   | 002765-18-6  | 47   |
| 2    |    | 3,5-Difluoropropiophenone   | 170 | C9H8F2O  | 135306-45-5  | 47   |
| 3    |    | 2,3-Difluoropropiophenone   | 170 | C9H8F2O  | 1000342-82-9 | 38   |
| 4    |    | 4-tert-Butylphthalonitrile  | 184 | C12H12N2 | 032703-80-3  | 25   |
| 5    |    | 1-Naphthalenepropionic acid | 200 | C13H12O2 | 003243-42-3  | 23   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

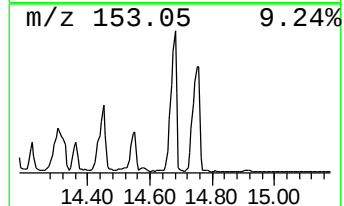
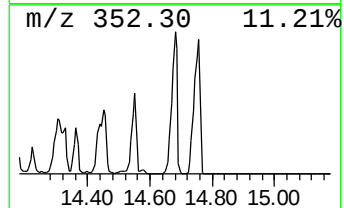
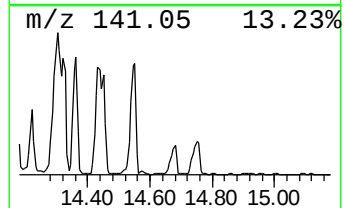
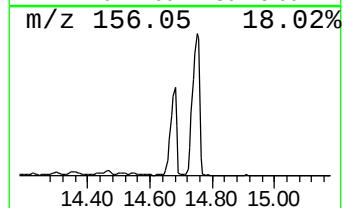
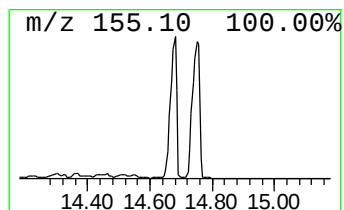
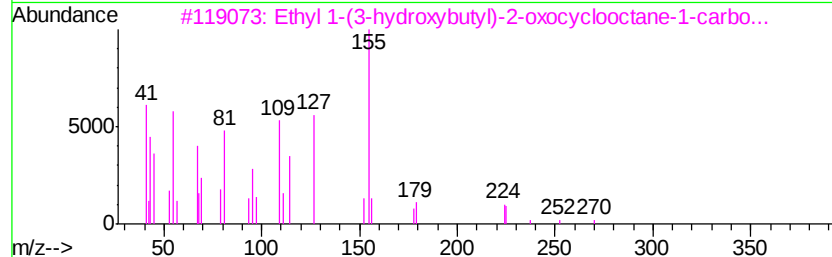
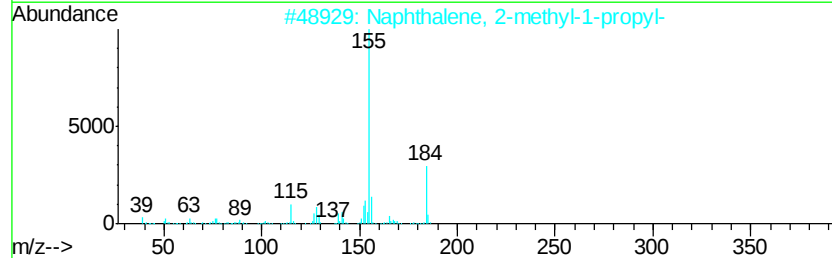
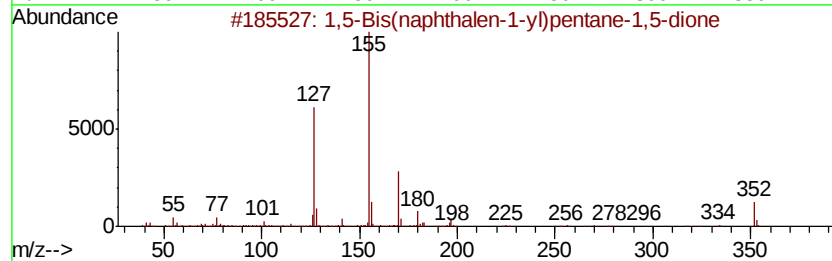
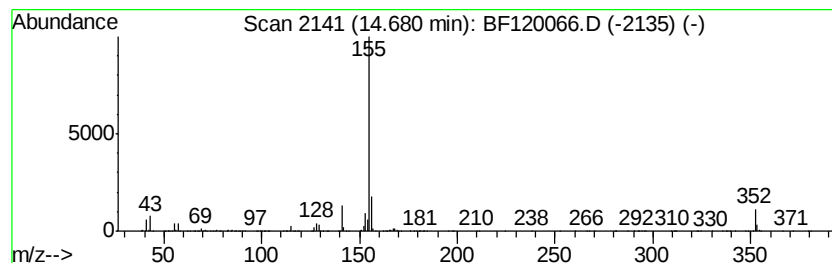
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 1,5-Bis(naphthalen-1-yl)pen... Concentration Rank 2

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 14.68 | 179.43 ng | 10670500 | Perylene-d12     | 15.34 |

| Hit# | of | Tentative ID                                                               | MW  | MolForm    | CAS#         | Qual |
|------|----|----------------------------------------------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1,5-Bis(naphthalen-1-yl)pentane-...                                        | 352 | C25H20O2   | 1000210-52-9 | 64   |
| 2    |    | Naphthalene, 2-methyl-1-propyl-                                            | 184 | C14H16     | 054774-89-9  | 56   |
| 3    |    | Ethyl 1-(3-hydroxybutyl)-2-oxocyclooctane-1-carboxylate                    | 270 | C15H26O4   | 110288-16-9  | 50   |
| 4    |    | 1,3-Benzenediol, 0-(2,6-difluorophenyl)-                                   | 404 | C24H14F2O4 | 1000345-52-7 | 38   |
| 5    |    | 1,2-Cyclohexanedicarboxylic acid, 1,4-cyclohexadiene-1,2-dicarboxylic acid | 368 | C22H4O4    | 1000339-41-3 | 36   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\  
Data File : BF120066.D  
Acq On : 17 Apr 2020 18:26  
Operator : MA/SJ  
Sample : L2283-06  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

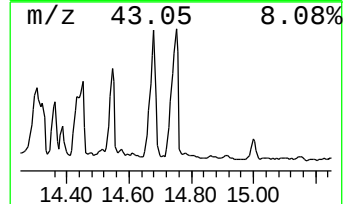
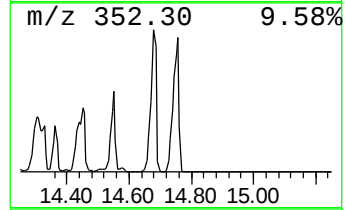
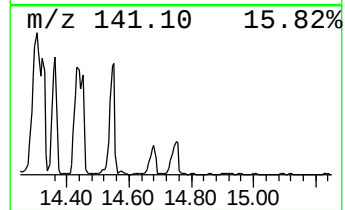
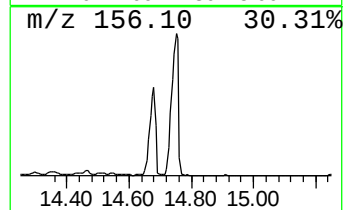
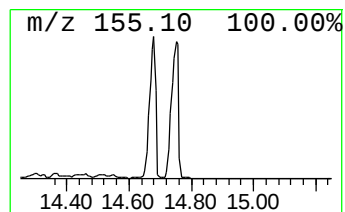
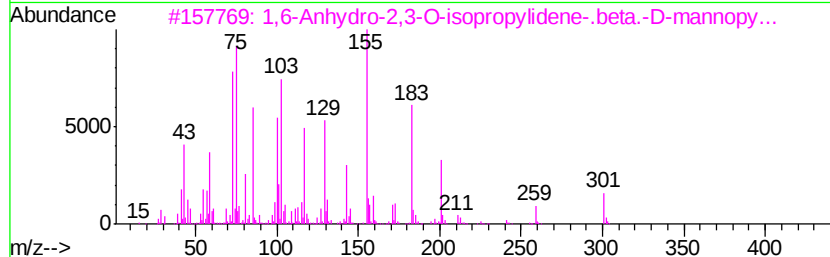
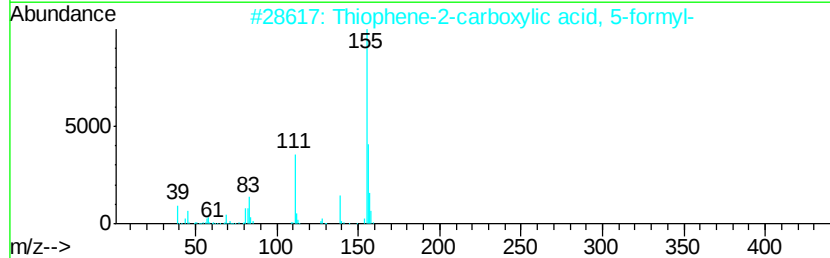
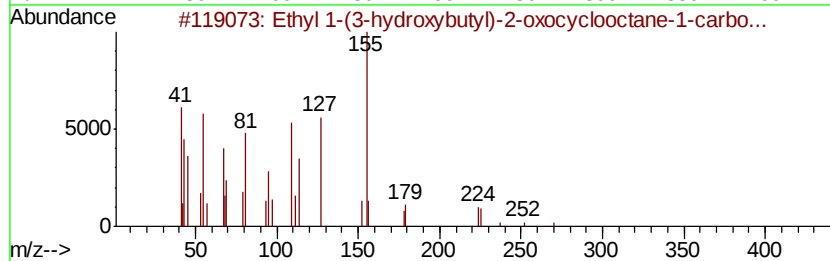
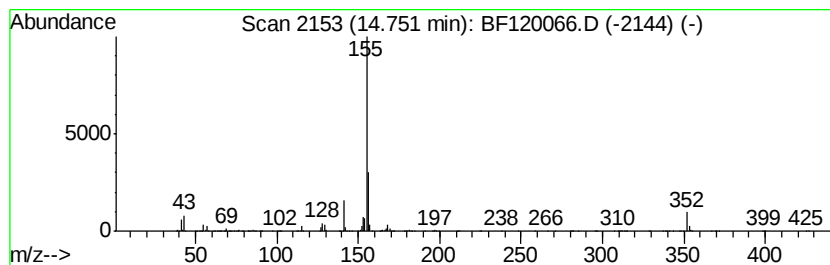
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 unknown14.75 Concentration Rank 1

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 14.75 | 216.20 ng | 12857300 | Perylene-d12     | 15.34 |

| Hit# | of | Tentative ID                                            | MW  | MolForm    | CAS#         | Qual |
|------|----|---------------------------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Ethyl 1-(3-hydroxybutyl)-2-oxocyclooctane-1-carboxylate | 270 | C15H26O4   | 110288-16-9  | 47   |
| 2    |    | Thiophene-2-carboxylic acid, 5-formyl-                  | 156 | C6H4O3S    | 1000306-77-9 | 45   |
| 3    |    | 1,6-Anhydro-2,3-O-isopropylidene-.beta.-D-mannopyranose | 316 | C15H28O5Si | 1000364-42-4 | 22   |
| 4    |    | Mandelamide, N-(1-naphthylethyl)-                       | 305 | C20H19NO2  | 344875-77-0  | 12   |
| 5    |    | 1H-Indole-3-acetonitrile                                | 156 | C10H8N2    | 000771-51-7  | 12   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF041720\  
 Data File : BF120066.D  
 Acq On : 17 Apr 2020 18:26  
 Operator : MA/SJ  
 Sample : L2283-06  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WB-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name      | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                       |       |         |       |          | #                     | RT    | Resp    | Conc |
| Undecane              | 6.56  | 17.8    | ng    | 948747   | 1                     | 6.73  | 1066690 | 20.0 |
| 3-Methyl-4-(metho...  | 10.68 | 18.2    | ng    | 1013420  | 4                     | 11.26 | 1112120 | 20.0 |
| Benzene, (1-methy...  | 10.75 | 25.5    | ng    | 1416030  | 4                     | 11.26 | 1112120 | 20.0 |
| Hexadecane            | 11.56 | 14.7    | ng    | 819263   | 4                     | 11.26 | 1112120 | 20.0 |
| Anthracene, 2-met...  | 11.80 | 21.5    | ng    | 1197870  | 4                     | 11.26 | 1112120 | 20.0 |
| 8,9-Dihydrocyclop...  | 11.87 | 17.9    | ng    | 992441   | 4                     | 11.26 | 1112120 | 20.0 |
| Ethylidiphenylphos... | 12.36 | 24.8    | ng    | 1378910  | 4                     | 11.26 | 1112120 | 20.0 |
| unknown13.64          | 13.64 | 17.3    | ng    | 1928120  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.14          | 14.14 | 27.2    | ng    | 3023340  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.17          | 14.17 | 14.8    | ng    | 1650070  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.22          | 14.22 | 21.1    | ng    | 2344600  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14,30          | 14.30 | 86.1    | ng    | 9587190  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.32          | 14.32 | 29.3    | ng    | 3265060  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.36          | 14.36 | 37.9    | ng    | 4219600  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.44          | 14.44 | 57.5    | ng    | 6405560  | 5                     | 13.90 | 2226270 | 20.0 |
| 4-tert-Butylphtha...  | 14.45 | 26.3    | ng    | 2930860  | 5                     | 13.90 | 2226270 | 20.0 |
| unknown14.55          | 14.55 | 59.8    | ng    | 6653180  | 5                     | 13.90 | 2226270 | 20.0 |
| 1,5-Bis(naphthale...  | 14.68 | 179.4   | ng    | 10670500 | 6                     | 15.34 | 1189410 | 20.0 |
| unknown14.75          | 14.75 | 216.2   | ng    | 12857300 | 6                     | 15.34 | 1189410 | 20.0 |