

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
 Data File : BF139448.D  
 Acq On : 19 Sep 2024 01:57  
 Operator : RC/JU  
 Sample : P4090-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-091724

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-BF091324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139448.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         | 2.158       | 4             | 11          | 21           | rVB      | 585876         | 914242        | 77.78%          | 4.367%        |
| 2         | 5.093       | 500           | 510         | 518          | rVB      | 57209          | 85259         | 7.25%           | 0.407%        |
| 3         | 5.499       | 572           | 579         | 584          | rBV      | 877029         | 1175443       | 100.00%         | 5.615%        |
| 4         | 6.134       | 680           | 687         | 692          | rBV4     | 6917           | 12626         | 1.07%           | 0.060%        |
| 5         | 6.404       | 730           | 733         | 736          | rBV2     | 17326          | 22935         | 1.95%           | 0.110%        |
| 6         | 6.504       | 741           | 750         | 756          | rVV      | 886334         | 1164348       | 99.06%          | 5.562%        |
| 7         | 6.557       | 756           | 759         | 764          | rVB      | 8856           | 13472         | 1.15%           | 0.064%        |
| 8         | 6.616       | 764           | 769         | 773          | rBV4     | 9598           | 16337         | 1.39%           | 0.078%        |
| 9         | 6.710       | 780           | 785         | 792          | rVB2     | 43772          | 67760         | 5.76%           | 0.324%        |
| 10        | 6.881       | 809           | 814         | 820          | rBV      | 302708         | 388238        | 33.03%          | 1.855%        |
| 11        | 6.934       | 820           | 823         | 827          | rBV2     | 19833          | 21877         | 1.86%           | 0.105%        |
| 12        | 7.022       | 835           | 838         | 841          | rBV      | 19099          | 23200         | 1.97%           | 0.111%        |
| 13        | 7.057       | 841           | 844         | 849          | rVB2     | 12148          | 13392         | 1.14%           | 0.064%        |
| 14        | 7.151       | 853           | 860         | 863          | rBV3     | 44417          | 62678         | 5.33%           | 0.299%        |
| 15        | 7.193       | 863           | 867         | 874          | rVB2     | 40565          | 70686         | 6.01%           | 0.338%        |
| 16        | 7.269       | 875           | 880         | 884          | rBV2     | 53196          | 79477         | 6.76%           | 0.380%        |
| 17        | 7.345       | 889           | 893         | 894          | rBV      | 19099          | 21776         | 1.85%           | 0.104%        |
| 18        | 7.363       | 894           | 896         | 899          | rVB      | 19299          | 19760         | 1.68%           | 0.094%        |
| 19        | 7.440       | 899           | 909         | 913          | rBV      | 573032         | 859022        | 73.08%          | 4.104%        |
| 20        | 7.469       | 913           | 914         | 918          | rVB      | 91785          | 82477         | 7.02%           | 0.394%        |
| 21        | 7.522       | 918           | 923         | 927          | rBV4     | 65320          | 95740         | 8.15%           | 0.457%        |
| 22        | 7.563       | 927           | 930         | 933          | rBV3     | 29750          | 47245         | 4.02%           | 0.226%        |
| 23        | 7.651       | 941           | 945         | 946          | rBV2     | 22272          | 26328         | 2.24%           | 0.126%        |
| 24        | 7.681       | 946           | 950         | 959          | rVB3     | 100417         | 176962        | 15.05%          | 0.845%        |
| 25        | 7.781       | 959           | 967         | 968          | rBV4     | 49141          | 109522        | 9.32%           | 0.523%        |
| 26        | 7.804       | 968           | 971         | 974          | rVV3     | 39589          | 46562         | 3.96%           | 0.222%        |
| 27        | 7.898       | 980           | 987         | 994          | rBV5     | 98594          | 241847        | 20.57%          | 1.155%        |
| 28        | 7.951       | 994           | 996         | 997          | rVV      | 27189          | 25778         | 2.19%           | 0.123%        |
| 29        | 7.975       | 998           | 1000        | 1002         | rVV2     | 52096          | 62416         | 5.31%           | 0.298%        |
| 30        | 7.998       | 1002          | 1004        | 1007         | rVV      | 53554          | 52816         | 4.49%           | 0.252%        |
| 31        | 8.028       | 1007          | 1009        | 1012         | rVV3     | 40112          | 40801         | 3.47%           | 0.195%        |
| 32        | 8.063       | 1012          | 1015        | 1018         | rVV2     | 35423          | 36420         | 3.10%           | 0.174%        |
| 33        | 8.157       | 1029          | 1031        | 1037         | rVB      | 314887         | 401898        | 34.19%          | 1.920%        |
| 34        | 8.210       | 1037          | 1040        | 1044         | rVB2     | 114123         | 164210        | 13.97%          | 0.784%        |
| 35        | 8.245       | 1044          | 1046        | 1053         | rVB5     | 50985          | 74237         | 6.32%           | 0.355%        |
| 36        | 8.334       | 1054          | 1061        | 1062         | rBV3     | 51778          | 96758         | 8.23%           | 0.462%        |

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 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-091724

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-BF091324.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 8.357  | 1062 | 1065 | 1069 | rVB2 | 89985  | 105012  | 8.93%  | 0.502% |
| 38 | 8.404  | 1071 | 1073 | 1076 | rBV3 | 22114  | 24545   | 2.09%  | 0.117% |
| 39 | 8.451  | 1076 | 1081 | 1086 | rBV6 | 113023 | 179770  | 15.29% | 0.859% |
| 40 | 8.504  | 1087 | 1090 | 1093 | rBV4 | 42972  | 48398   | 4.12%  | 0.231% |
| 41 | 8.540  | 1093 | 1096 | 1099 | rBV3 | 83091  | 93224   | 7.93%  | 0.445% |
| 42 | 8.575  | 1099 | 1102 | 1105 | rBV  | 100832 | 124037  | 10.55% | 0.593% |
| 43 | 8.663  | 1113 | 1117 | 1121 | rBV2 | 198694 | 251245  | 21.37% | 1.200% |
| 44 | 8.745  | 1127 | 1131 | 1135 | rBV  | 348464 | 454830  | 38.69% | 2.173% |
| 45 | 8.822  | 1141 | 1144 | 1151 | rVB5 | 84057  | 165109  | 14.05% | 0.789% |
| 46 | 8.910  | 1156 | 1159 | 1161 | rBV2 | 37770  | 46657   | 3.97%  | 0.223% |
| 47 | 8.981  | 1167 | 1171 | 1176 | rBV4 | 172317 | 230362  | 19.60% | 1.100% |
| 48 | 9.110  | 1189 | 1193 | 1197 | rVB4 | 100442 | 154227  | 13.12% | 0.737% |
| 49 | 9.151  | 1198 | 1200 | 1201 | rVV  | 42575  | 37687   | 3.21%  | 0.180% |
| 50 | 9.175  | 1201 | 1204 | 1210 | rVV4 | 164317 | 244128  | 20.77% | 1.166% |
| 51 | 9.234  | 1210 | 1214 | 1218 | rVB  | 870268 | 1030046 | 87.63% | 4.921% |
| 52 | 9.310  | 1223 | 1227 | 1232 | rBV  | 534323 | 702870  | 59.80% | 3.358% |
| 53 | 9.381  | 1236 | 1239 | 1243 | rVB  | 100340 | 125536  | 10.68% | 0.600% |
| 54 | 9.569  | 1264 | 1271 | 1273 | rBV6 | 111053 | 242270  | 20.61% | 1.157% |
| 55 | 9.628  | 1277 | 1281 | 1284 | rBV3 | 229614 | 334464  | 28.45% | 1.598% |
| 56 | 9.692  | 1289 | 1292 | 1296 | rVB3 | 110734 | 133130  | 11.33% | 0.636% |
| 57 | 9.781  | 1304 | 1307 | 1310 | rBV4 | 40515  | 57256   | 4.87%  | 0.274% |
| 58 | 9.839  | 1313 | 1317 | 1321 | rVB  | 518146 | 651614  | 55.44% | 3.113% |
| 59 | 9.910  | 1326 | 1329 | 1333 | rVB  | 290460 | 372349  | 31.68% | 1.779% |
| 60 | 10.016 | 1344 | 1347 | 1351 | rVB  | 53661  | 65283   | 5.55%  | 0.312% |
| 61 | 10.075 | 1353 | 1357 | 1359 | rBV  | 73231  | 118233  | 10.06% | 0.565% |
| 62 | 10.163 | 1368 | 1372 | 1376 | rBV4 | 106211 | 148065  | 12.60% | 0.707% |
| 63 | 10.234 | 1381 | 1384 | 1389 | rBV4 | 46015  | 93551   | 7.96%  | 0.447% |
| 64 | 10.339 | 1397 | 1402 | 1406 | rBV  | 547595 | 679680  | 57.82% | 3.247% |
| 65 | 10.557 | 1434 | 1439 | 1445 | rBV  | 206965 | 339780  | 28.91% | 1.623% |
| 66 | 10.622 | 1446 | 1450 | 1457 | rVV2 | 162527 | 273918  | 23.30% | 1.309% |
| 67 | 10.698 | 1457 | 1463 | 1468 | rVB2 | 420046 | 564594  | 48.03% | 2.697% |
| 68 | 10.816 | 1478 | 1483 | 1491 | rVB  | 624263 | 1018428 | 86.64% | 4.865% |
| 69 | 11.004 | 1512 | 1515 | 1517 | rBV  | 45438  | 59183   | 5.03%  | 0.283% |
| 70 | 11.263 | 1554 | 1559 | 1562 | rBV  | 427796 | 585823  | 49.84% | 2.799% |
| 71 | 11.292 | 1562 | 1564 | 1570 | rVB  | 177663 | 207528  | 17.66% | 0.991% |
| 72 | 11.398 | 1578 | 1582 | 1586 | rBV  | 304782 | 399572  | 33.99% | 1.909% |
| 73 | 11.639 | 1620 | 1623 | 1627 | rVB2 | 42090  | 50808   | 4.32%  | 0.243% |
| 74 | 11.686 | 1627 | 1631 | 1635 | rBV  | 377607 | 442850  | 37.68% | 2.116% |
| 75 | 11.922 | 1667 | 1671 | 1678 | rVB2 | 74548  | 125119  | 10.64% | 0.598% |
| 76 | 12.092 | 1696 | 1700 | 1705 | rBV  | 315599 | 381859  | 32.49% | 1.824% |

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Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

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-BF091324.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 77 | 12.375 | 1745 | 1748 | 1752 | rBV  | 39368  | 49488   | 4.21%  | 0.236% |
| 78 | 12.480 | 1762 | 1766 | 1771 | rVB  | 253390 | 310355  | 26.40% | 1.483% |
| 79 | 12.610 | 1785 | 1788 | 1793 | rBV  | 38741  | 49789   | 4.24%  | 0.238% |
| 80 | 12.851 | 1823 | 1829 | 1834 | rBV2 | 188173 | 283775  | 24.14% | 1.356% |
| 81 | 12.980 | 1846 | 1851 | 1859 | rVB  | 781748 | 1013320 | 86.21% | 4.841% |
| 82 | 13.210 | 1886 | 1890 | 1897 | rVB  | 115018 | 149621  | 12.73% | 0.715% |
| 83 | 13.551 | 1944 | 1948 | 1956 | rBV  | 87185  | 122378  | 10.41% | 0.585% |
| 84 | 13.880 | 2000 | 2004 | 2013 | rVB  | 113547 | 210333  | 17.89% | 1.005% |
| 85 | 14.033 | 2026 | 2030 | 2042 | rVB  | 217822 | 330902  | 28.15% | 1.581% |
| 86 | 15.504 | 2276 | 2280 | 2290 | rVB  | 127513 | 235386  | 20.03% | 1.124% |

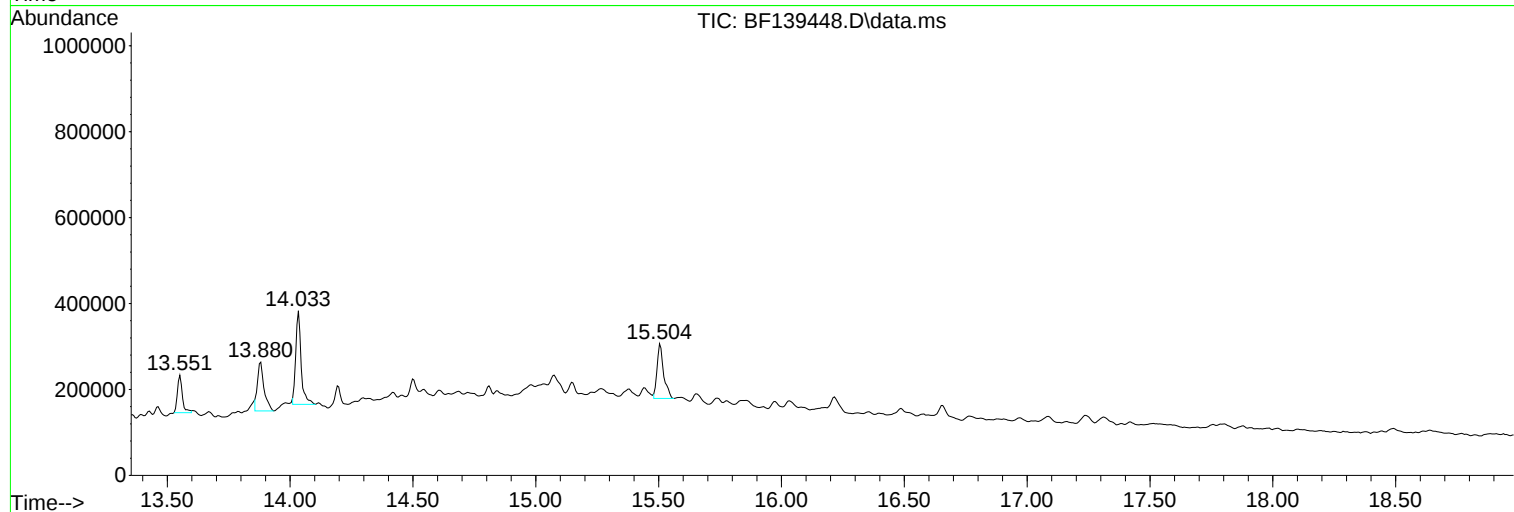
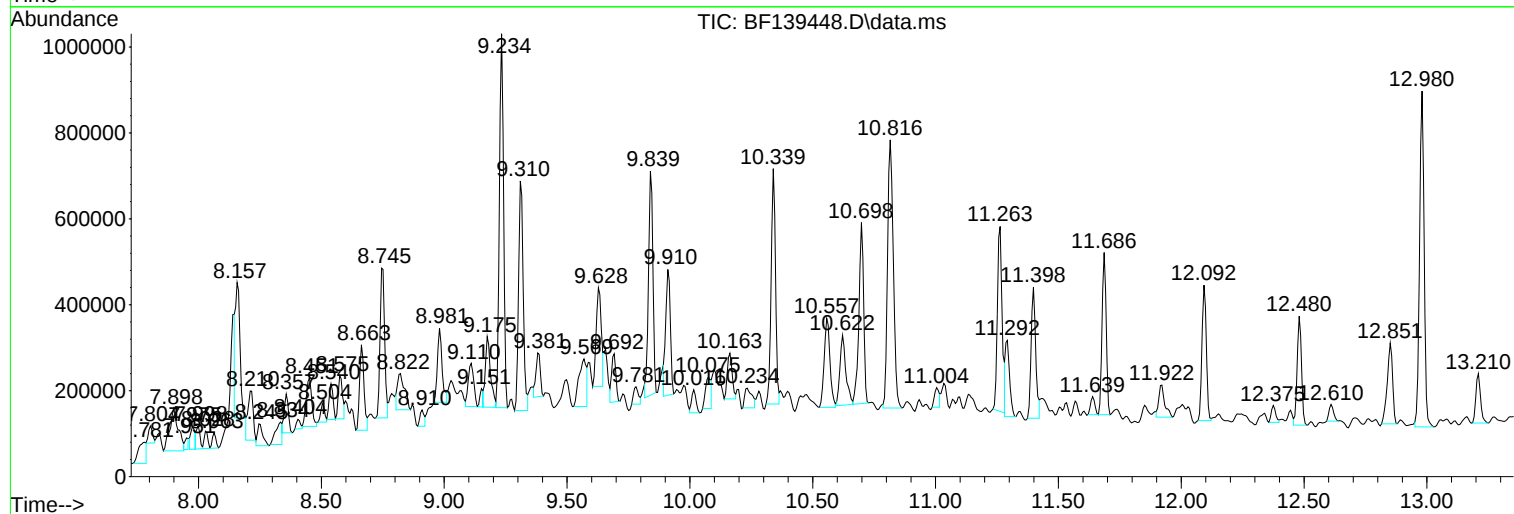
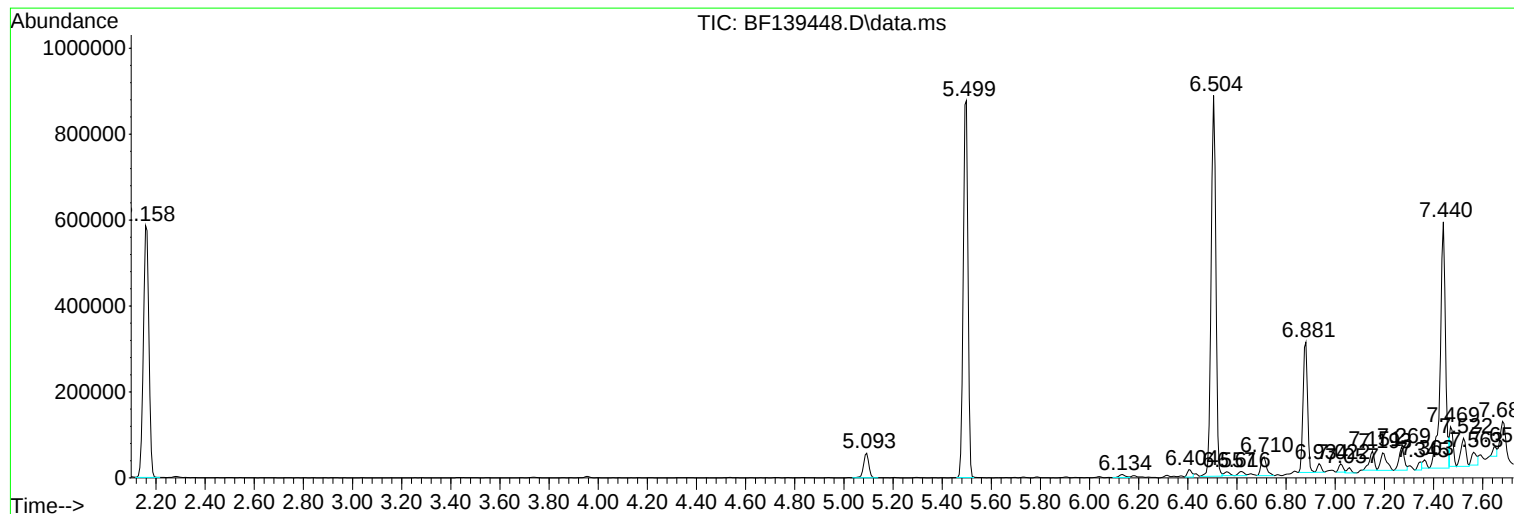
Sum of corrected areas: 20932932

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
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Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.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\BF091824\  
Data File : BF139448.D  
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Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

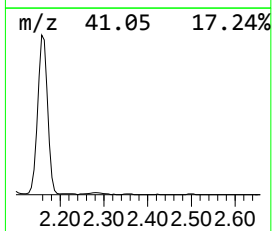
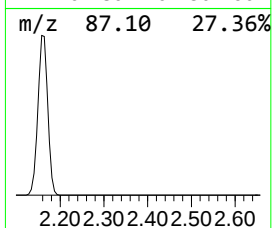
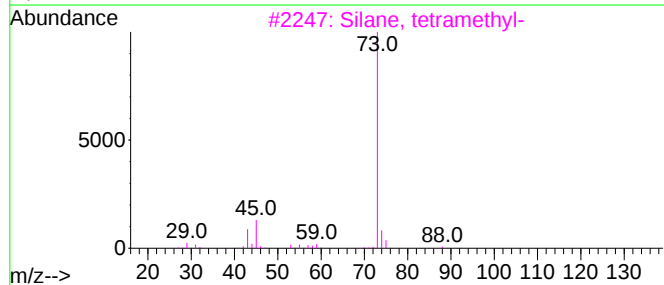
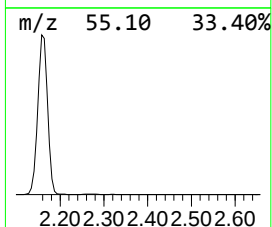
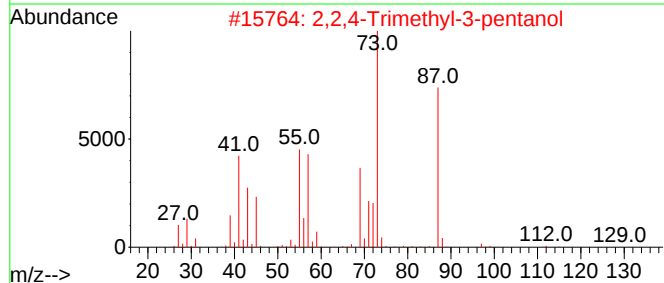
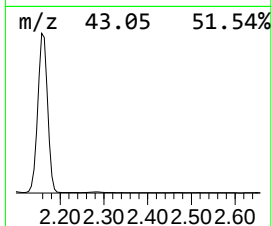
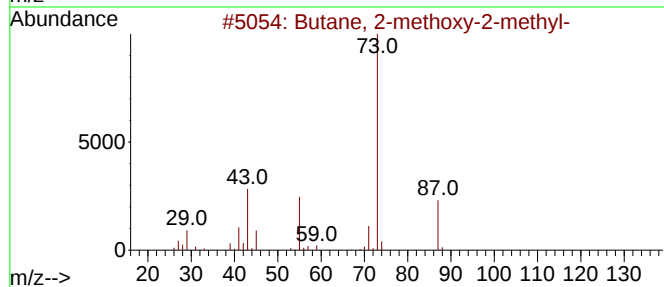
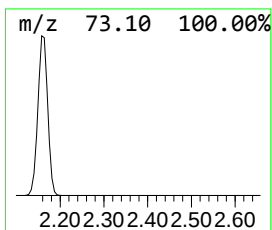
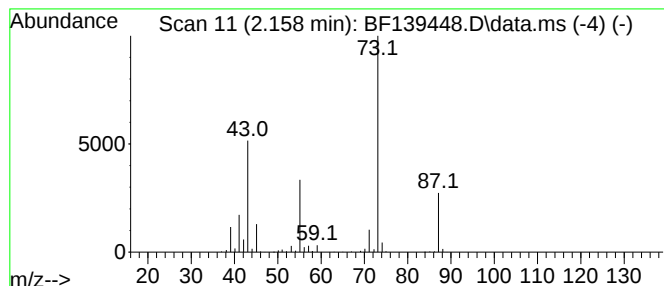
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 2.158 | 47.10 ng | 914242 | 1,4-Dichlorobenzene-d4 | 6.881 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol          | 130 | C8H18O   | 005162-48-1 | 40   |
| 3    |    |   | Silane, tetramethyl-                | 88  | C4H12Si  | 000075-76-3 | 38   |
| 4    |    |   | 3-Pentanol, 3-methyl-               | 102 | C6H14O   | 000077-74-7 | 38   |
| 5    |    |   | Boronic acid, ethyl-, dimethyl e... | 102 | C4H11BO2 | 007318-82-3 | 10   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

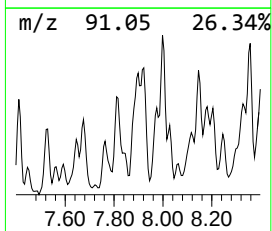
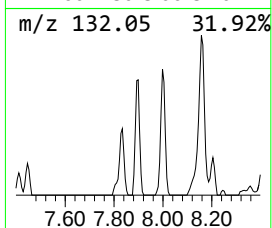
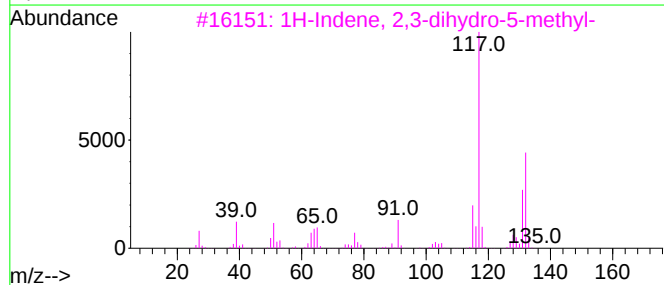
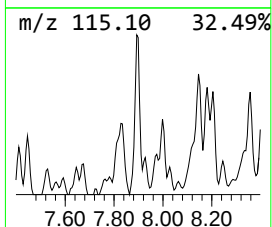
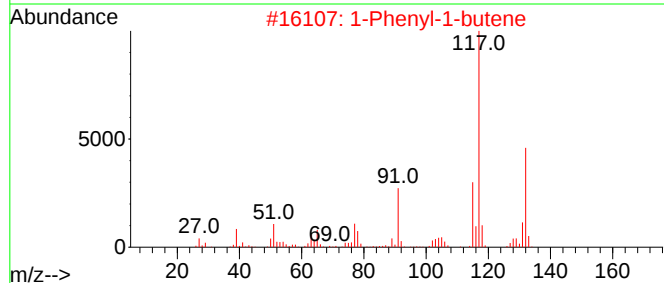
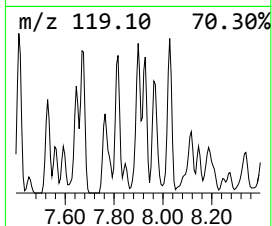
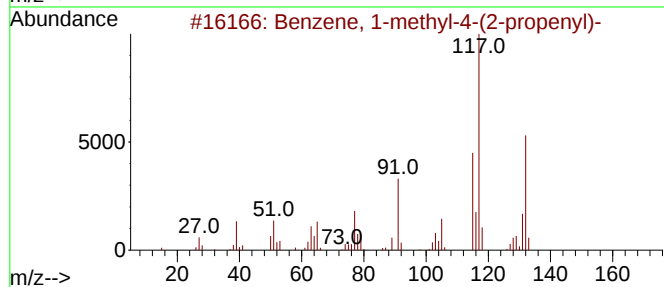
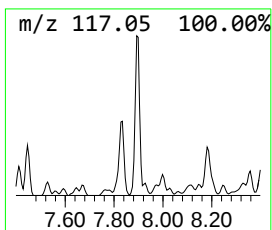
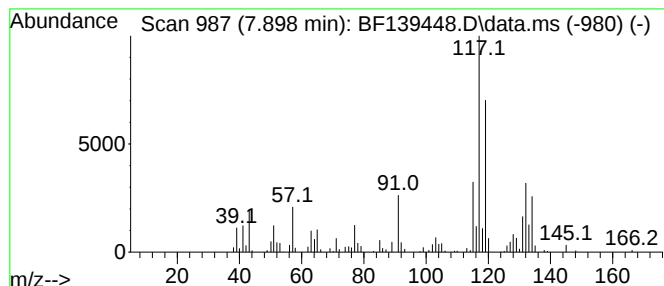
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Peak Number 2 Benzene, 1-methyl-4-(2-prop... Concentration Rank 18

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.898 | 12.04 ng | 241847 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 86   |
| 2    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 86   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 64   |
| 4    |    |   | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 64   |
| 5    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 64   |



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TR-04-091724

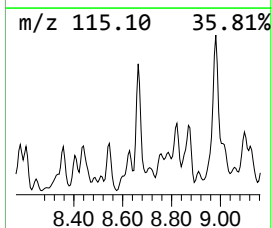
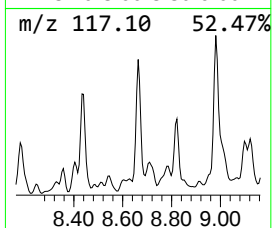
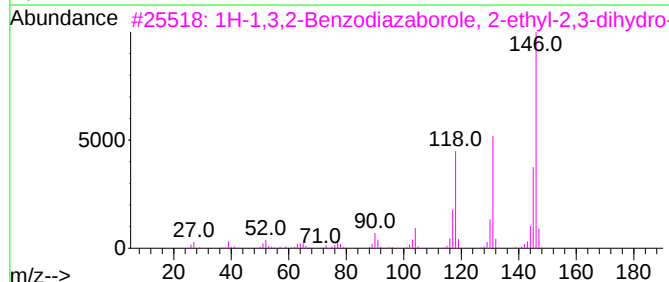
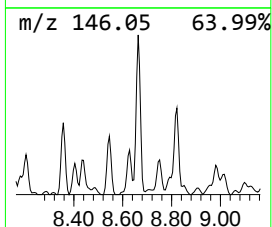
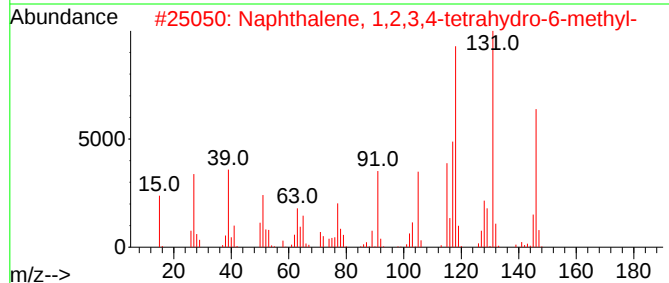
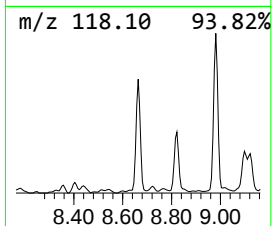
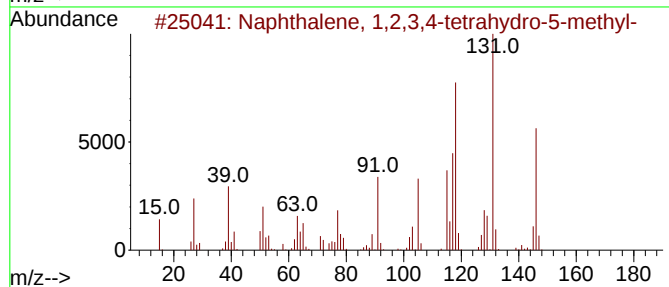
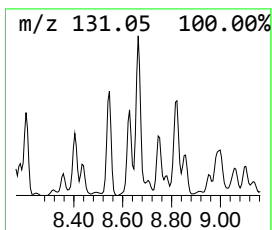
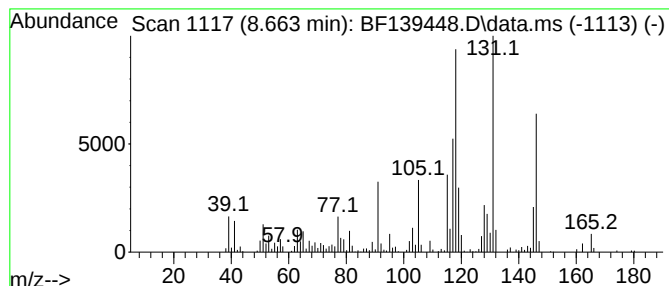
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 8.663     | 12.50 ng                            | 251245 | Naphthalene-d8   | 8.163        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Naphthalene, 1,2,3,4-tetrahydro-... | 146    | C11H14           | 002809-64-5  | 94   |
| 2         | Naphthalene, 1,2,3,4-tetrahydro-... | 146    | C11H14           | 001680-51-9  | 94   |
| 3         | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146    | C8H11BN2         | 074663-81-3  | 81   |
| 4         | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146    | C11H14           | 1010189-31-0 | 58   |
| 5         | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146    | C10H10O          | 017496-14-9  | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

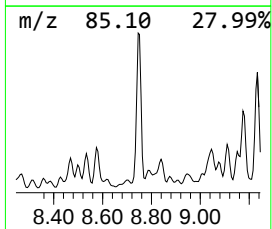
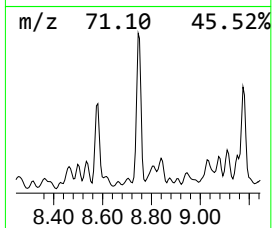
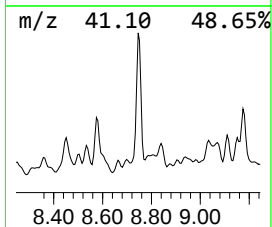
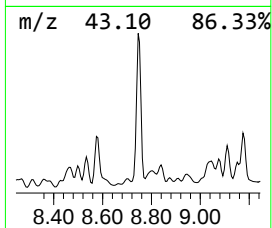
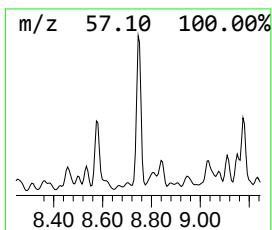
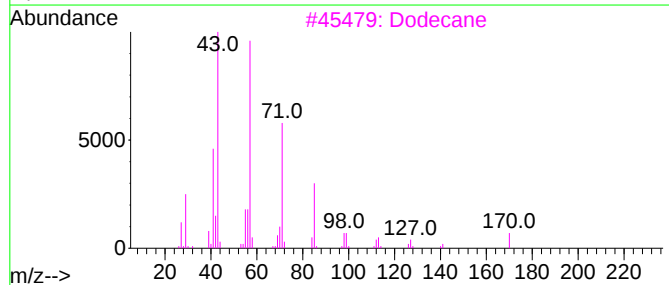
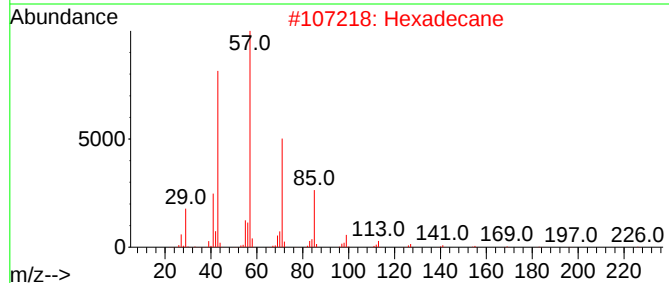
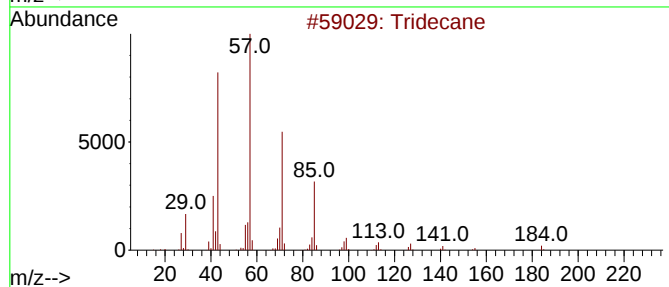
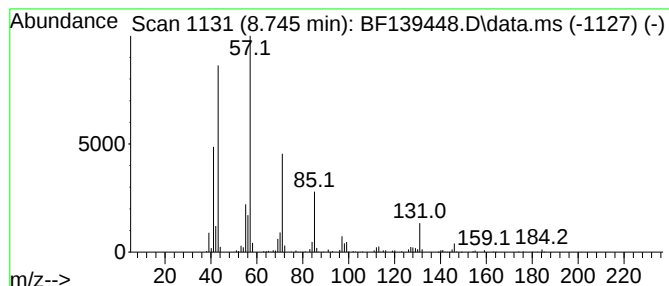
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Tridecane Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.745 | 22.63 ng | 454830 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 81   |
| 2    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 72   |
| 3    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 72   |
| 4    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 72   |
| 5    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

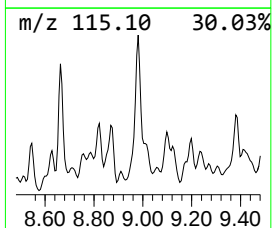
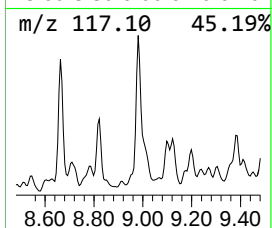
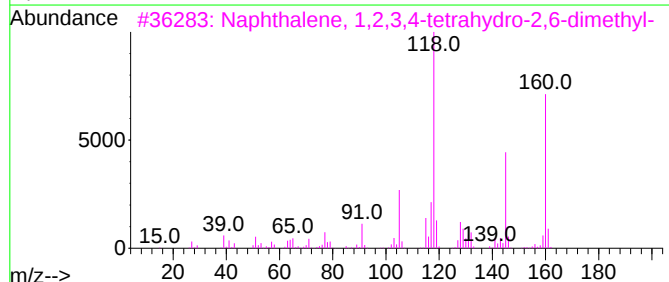
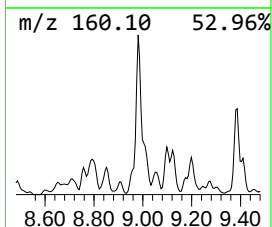
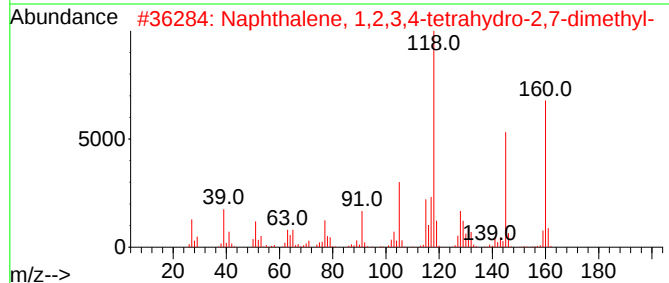
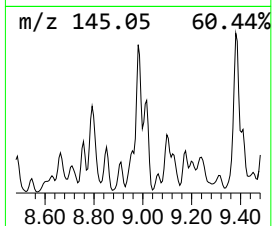
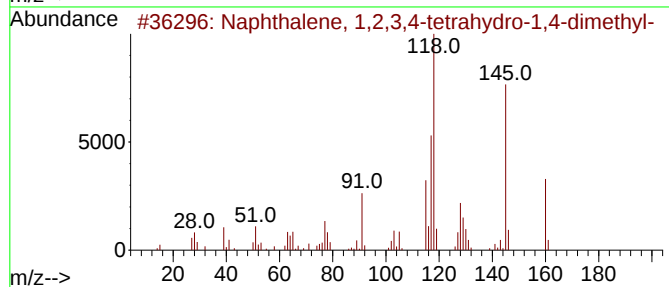
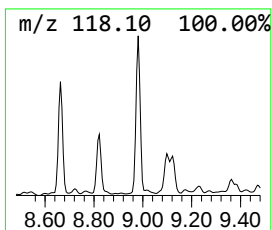
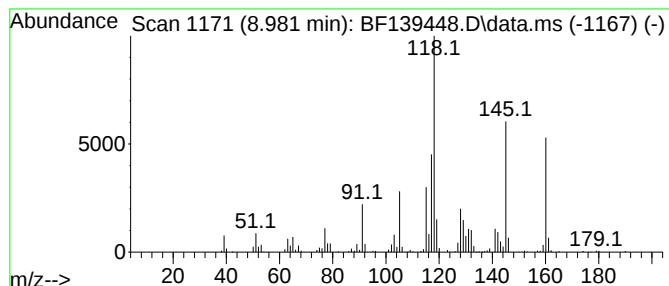
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 8.981     | 11.46 ng                            | 230362 | Naphthalene-d8   | 8.163       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,2,3,4-tetrahydro-... | 160    | C12H16           | 004175-54-6 | 93   |
| 2         | Naphthalene, 1,2,3,4-tetrahydro-... | 160    | C12H16           | 013065-07-1 | 90   |
| 3         | Naphthalene, 1,2,3,4-tetrahydro-... | 160    | C12H16           | 007524-63-2 | 81   |
| 4         | 1(2H)-Naphthalenone, 3,4-dihydro... | 160    | C11H12O          | 014944-23-1 | 70   |
| 5         | Benzene, (3-methyl-1-methylenebu... | 160    | C12H16           | 038212-14-5 | 53   |



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Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

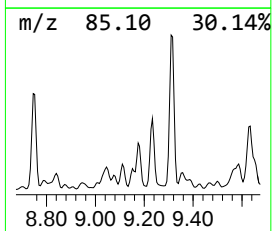
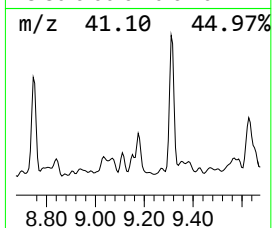
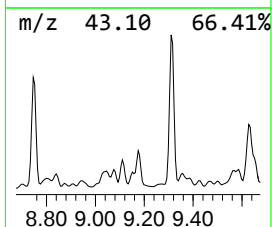
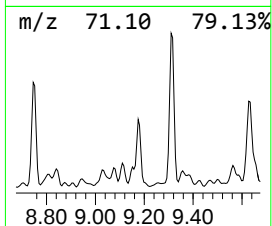
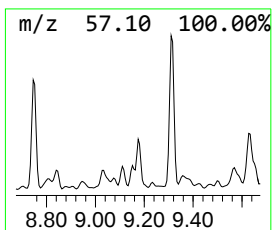
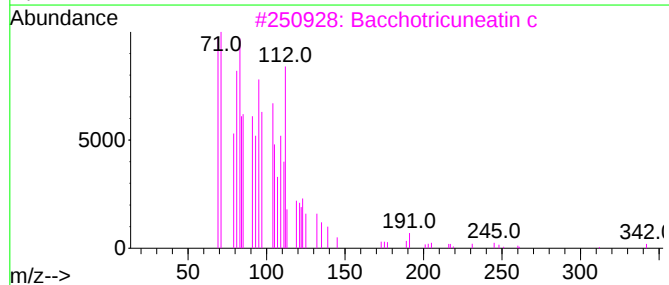
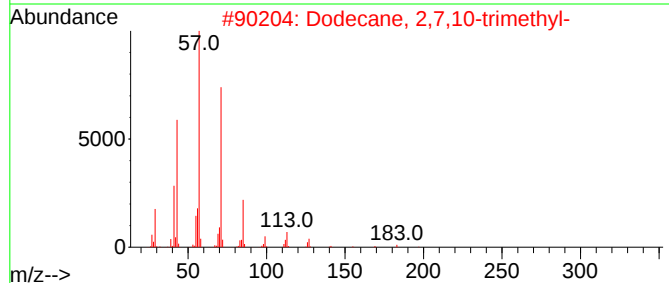
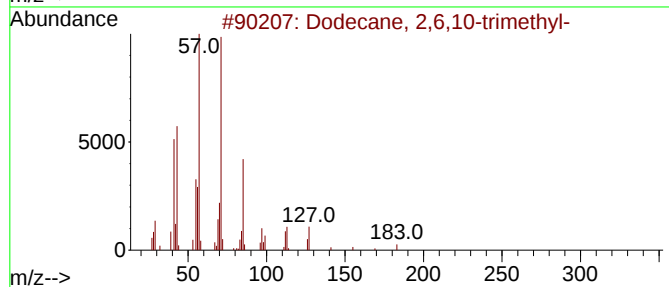
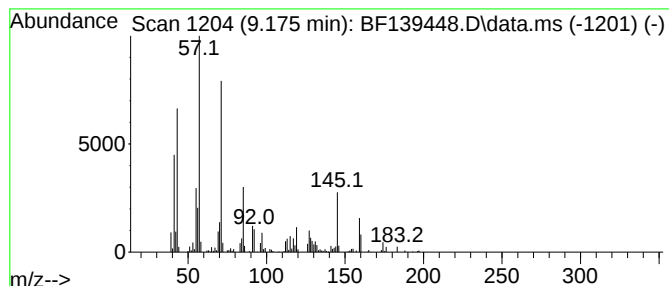
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Dodecane, 2,6,10-trimethyl- Concentration Rank 14

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.175 | 13.11 ng | 244128 | Acenaphthene-d10 | 9.910 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32    | 003891-98-3  | 58   |
| 2    |    |   | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32    | 074645-98-0  | 53   |
| 3    |    |   | Bacchotricuneatin c                | 342 | C20H22O5  | 066563-30-2  | 52   |
| 4    |    |   | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 46   |
| 5    |    |   | Nonane, 3-methyl-                  | 142 | C10H22    | 005911-04-6  | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

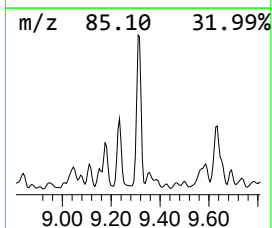
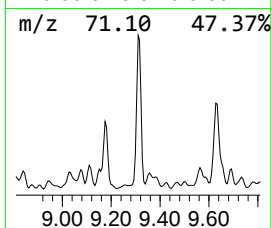
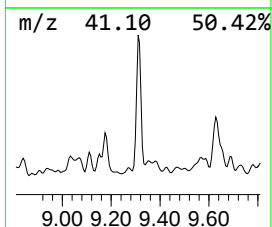
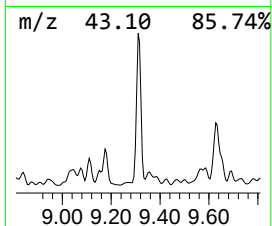
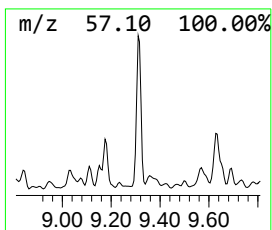
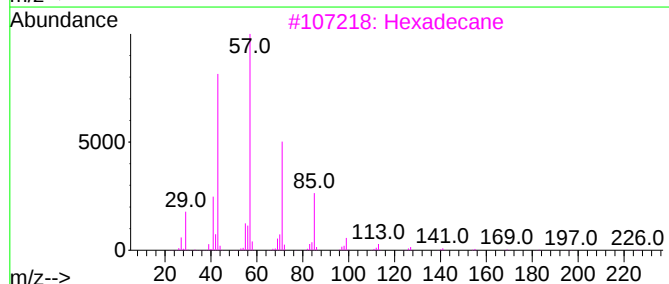
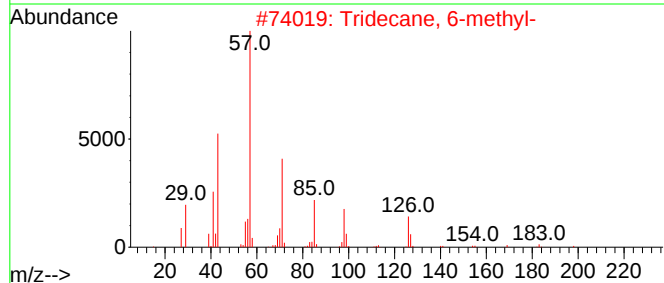
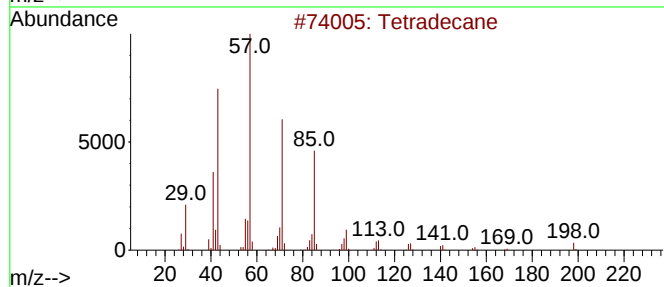
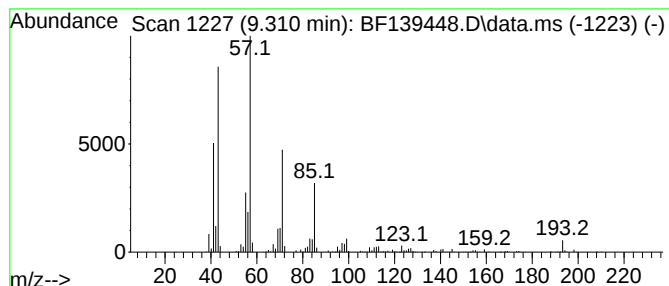
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Tetradecane Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.310 | 37.75 ng | 702870 | Acenaphthene-d10 | 9.910 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane          | 198 | C14H30  | 000629-59-4 | 90   |
| 2    |    |   | Tridecane, 6-methyl- | 198 | C14H30  | 013287-21-3 | 90   |
| 3    |    |   | Hexadecane           | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    |   | Heptadecane          | 240 | C17H36  | 000629-78-7 | 86   |
| 5    |    |   | Pentadecane          | 212 | C15H32  | 000629-62-9 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
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Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

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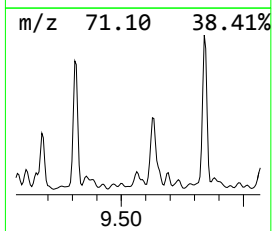
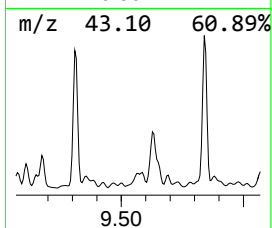
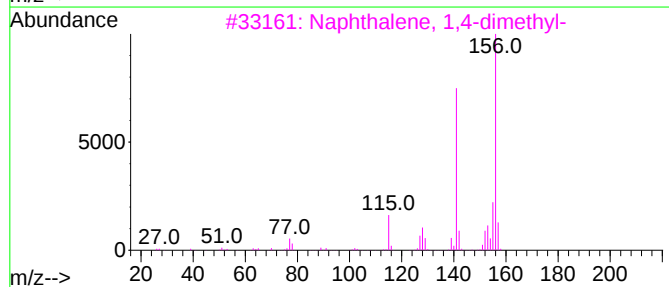
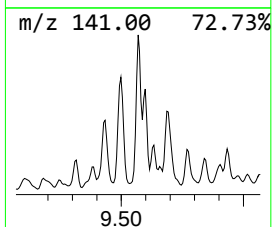
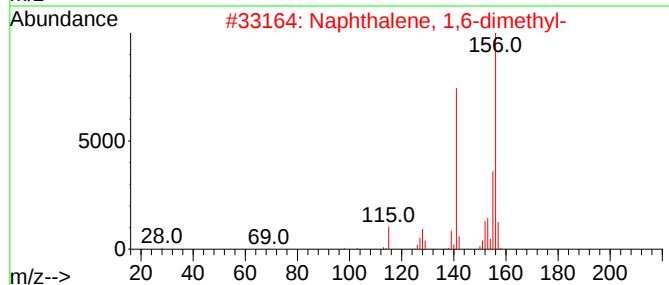
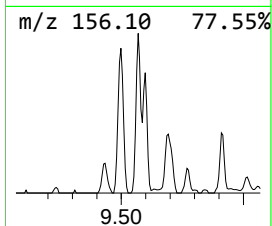
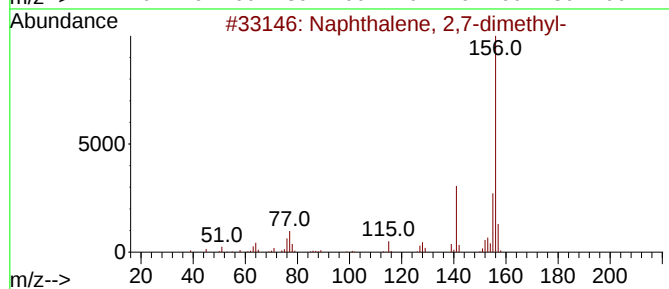
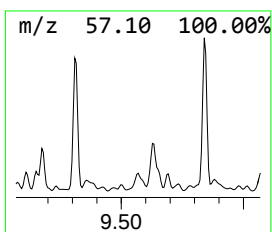
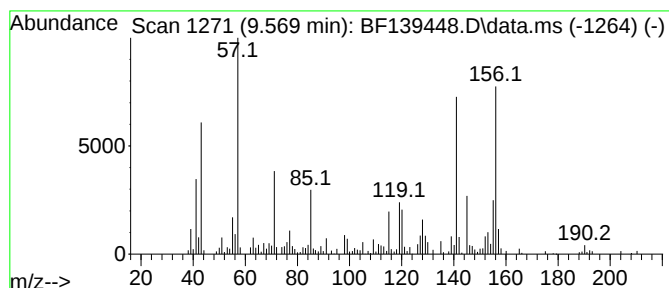
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Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 15

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.569 | 13.01 ng | 242270 | Acenaphthene-d10 | 9.910 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 2    |      | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 91   |
| 3    |      | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 91   |
| 4    |      | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 90   |
| 5    |      | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
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Sample : P4090-01  
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BNA\_F  
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TR-04-091724

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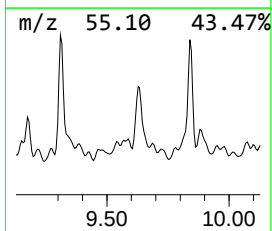
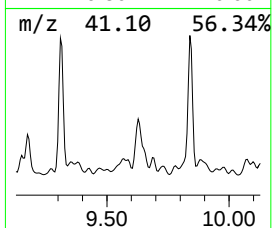
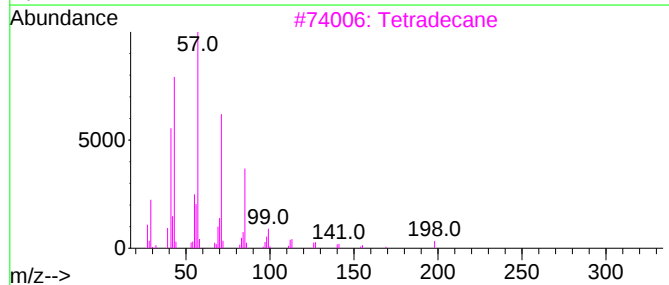
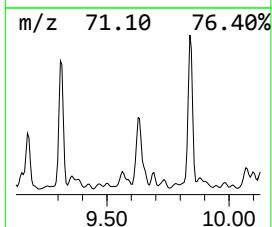
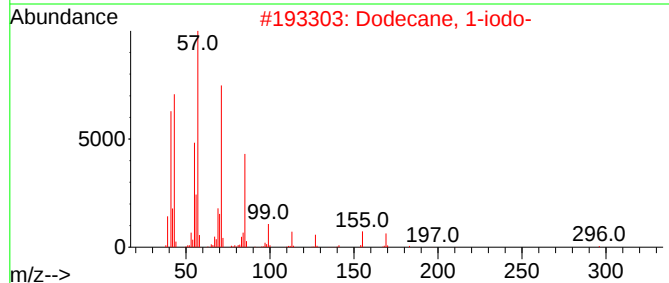
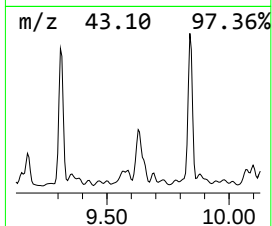
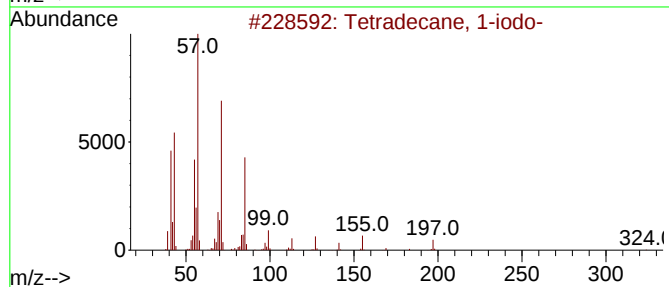
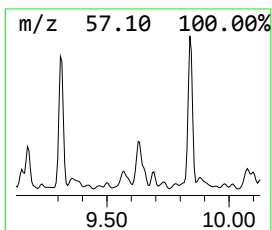
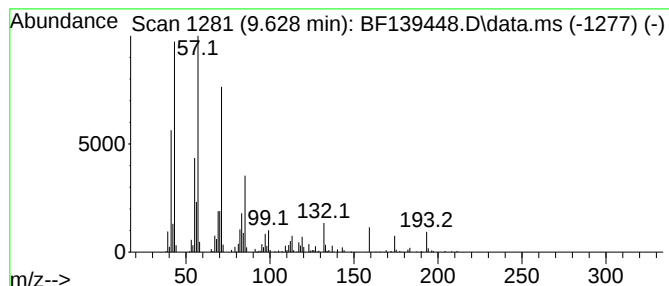
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Tetradecane, 1-iodo- Concentration Rank 11

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.628 | 17.97 ng | 334464 | Acenaphthene-d10 | 9.910 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane, 1-iodo-                | 324 | C14H29I | 019218-94-1 | 72   |
| 2    |    |   | Dodecane, 1-iodo-                   | 296 | C12H25I | 004292-19-7 | 72   |
| 3    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |    |   | Heptadecane, 2,6-dimethyl-          | 268 | C19H40  | 054105-67-8 | 64   |
| 5    |    |   | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

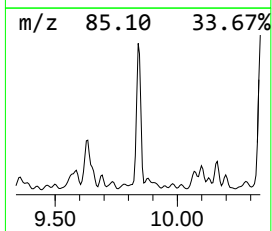
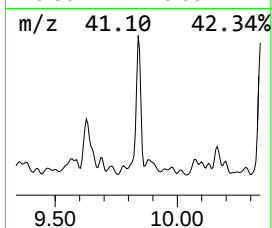
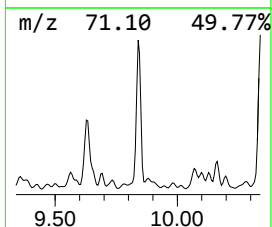
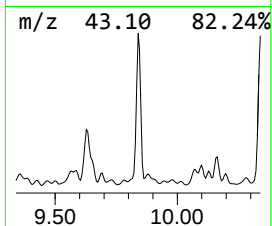
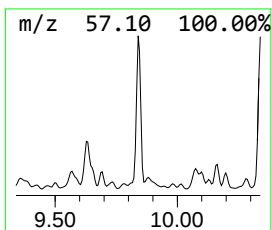
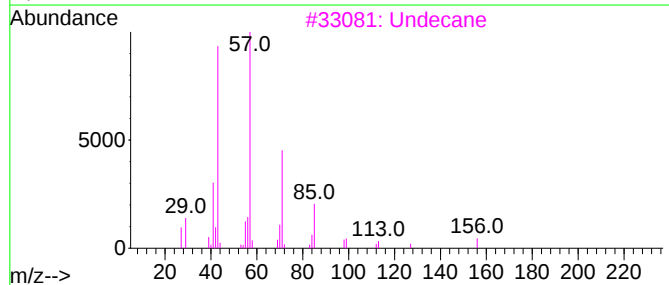
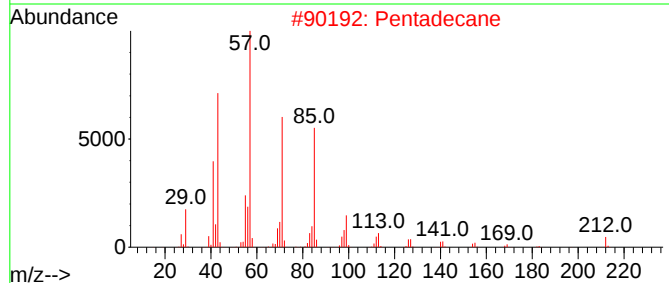
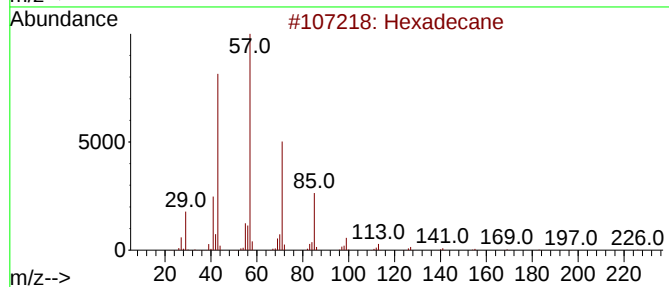
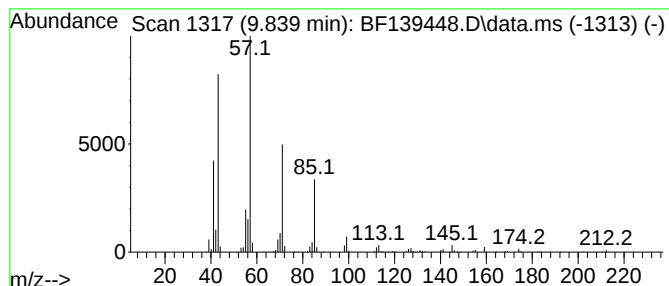
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Hexadecane Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.839 | 35.00 ng | 651614 | Acenaphthene-d10 | 9.910 |

| Hit# of 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------|-----|---------|-------------|------|
| 1         | Hexadecane        | 226 | C16H34  | 000544-76-3 | 91   |
| 2         | Pentadecane       | 212 | C15H32  | 000629-62-9 | 81   |
| 3         | Undecane          | 156 | C11H24  | 001120-21-4 | 80   |
| 4         | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 80   |
| 5         | Tetradecane       | 198 | C14H30  | 000629-59-4 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

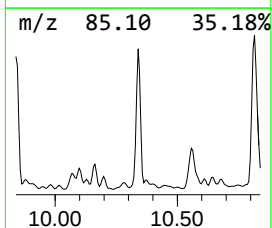
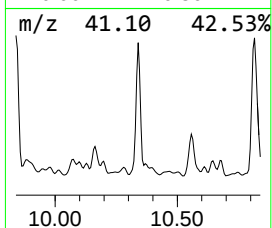
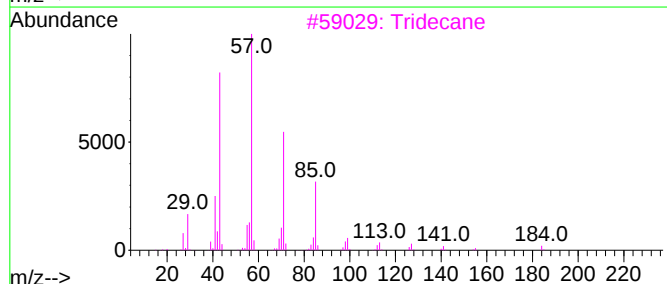
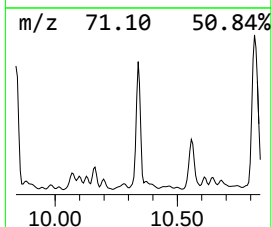
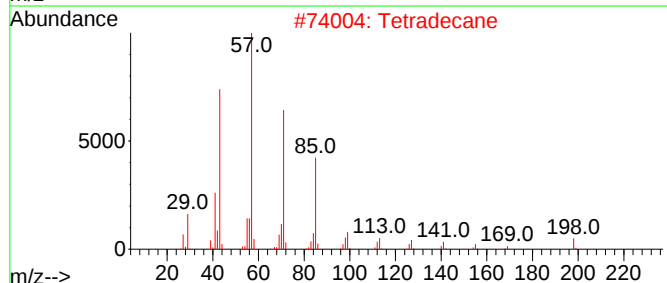
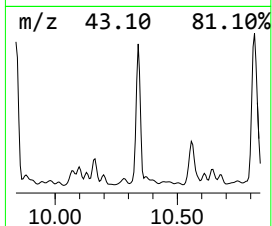
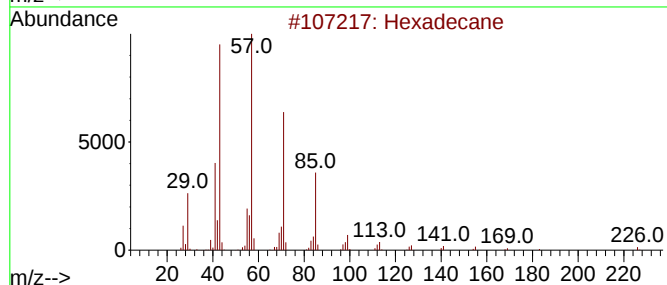
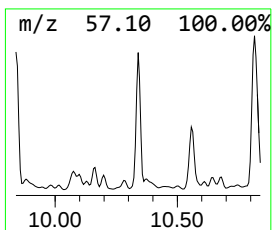
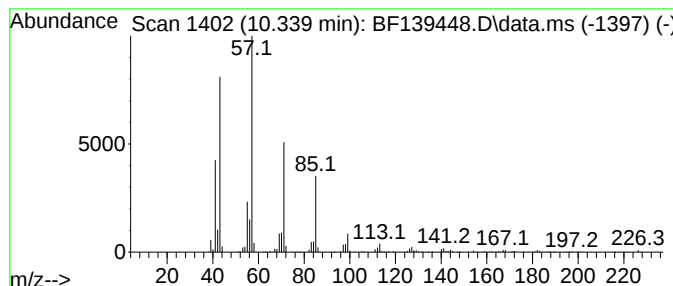
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Heneicosane Concentration Rank 4

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.339 | 36.51 ng | 679680 | Acenaphthene-d10 | 9.910 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 2    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |
| 4    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

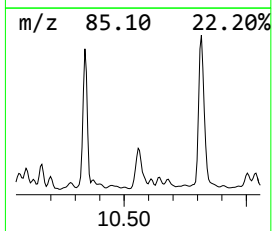
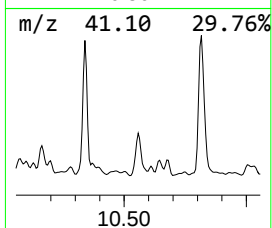
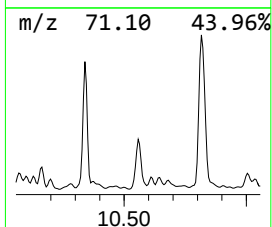
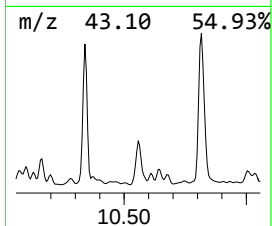
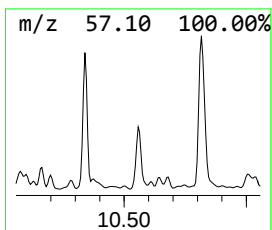
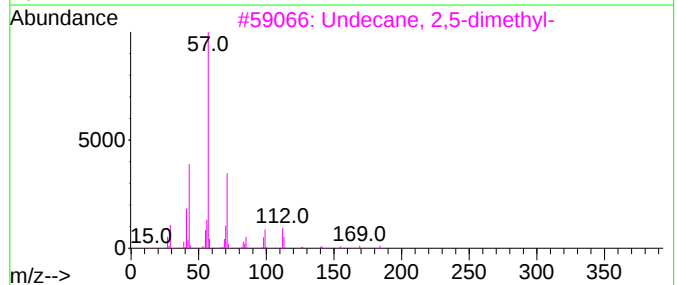
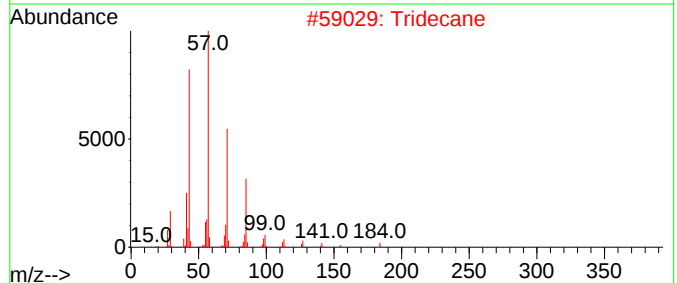
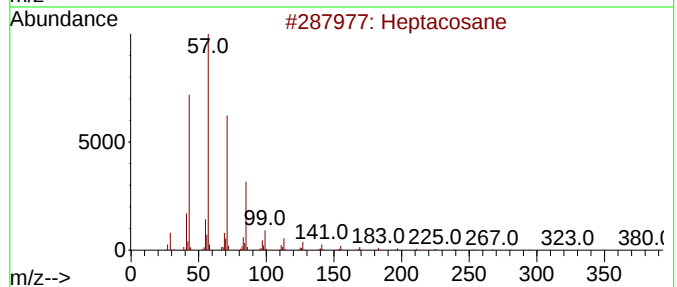
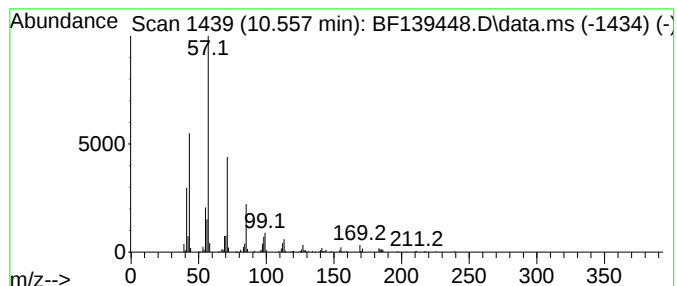
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.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 12 Heptacosane Concentration Rank 10

| R.T.      | EstConc                 | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------|--------|------------------|---------|-------------|------|
| 10.557    | 18.25 ng                | 339780 | Acenaphthene-d10 |         | 9.910       |      |
| Hit# of 5 | Tentative ID            |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heptacosane             |        | 380              | C27H56  | 000593-49-7 | 87   |
| 2         | Tridecane               |        | 184              | C13H28  | 000629-50-5 | 87   |
| 3         | Undecane, 2,5-dimethyl- |        | 184              | C13H28  | 017301-22-3 | 76   |
| 4         | Dodecane, 1-iodo-       |        | 296              | C12H25I | 004292-19-7 | 74   |
| 5         | Nonadecane              |        | 268              | C19H40  | 000629-92-5 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

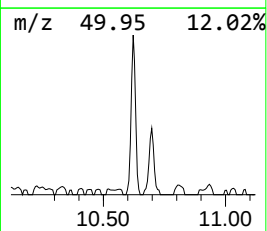
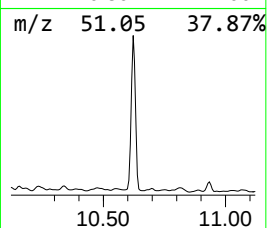
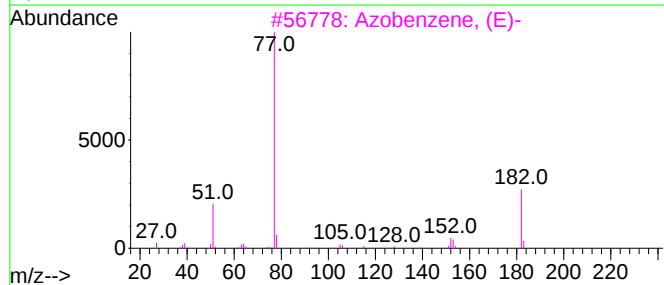
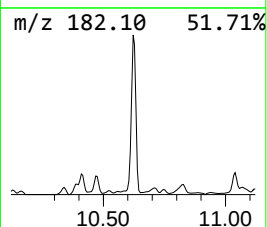
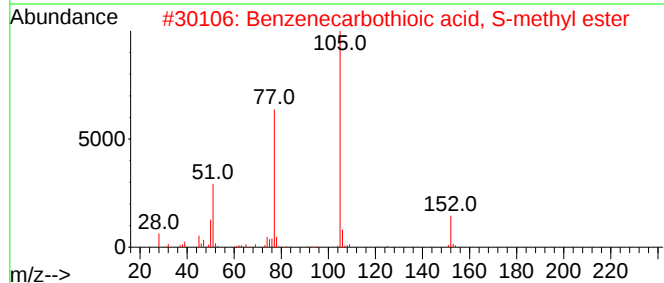
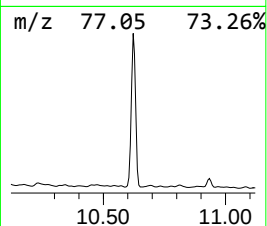
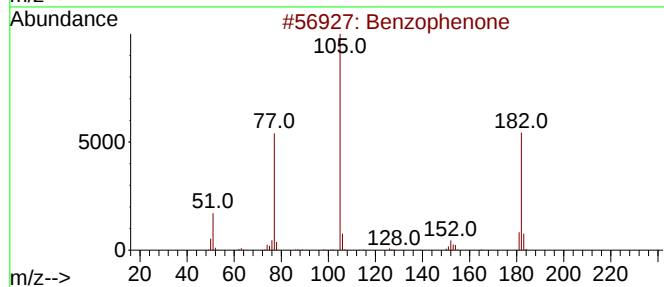
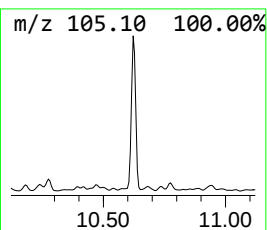
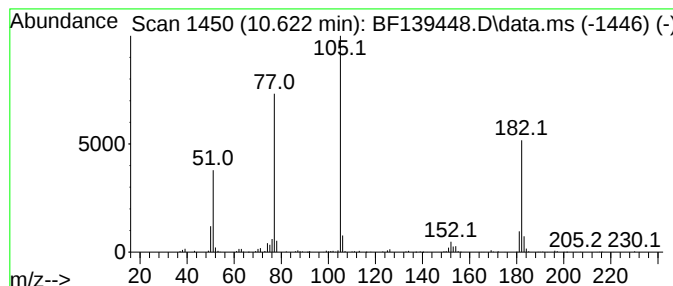
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Benzophenone Concentration Rank 13

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.622 | 14.71 ng | 273918 | Acenaphthene-d10 | 9.910 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 95   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 62   |
| 3    |    |   | Azobenzene, (E)-                    | 182 | C12H10N2 | 017082-12-1 | 59   |
| 4    |    |   | Acetophenone, 2-chloro-             | 154 | C8H7ClO  | 000532-27-4 | 52   |
| 5    |    |   | Ethanedione, diphenyl-              | 210 | C14H10O2 | 000134-81-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

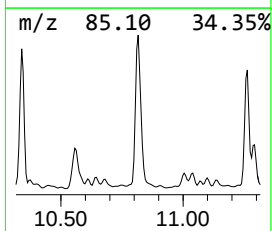
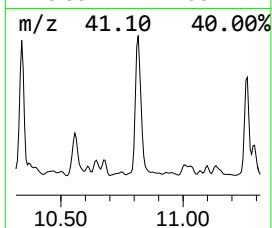
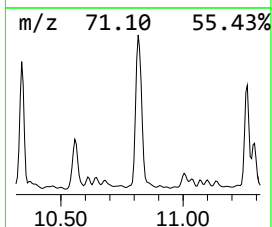
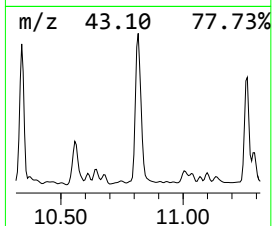
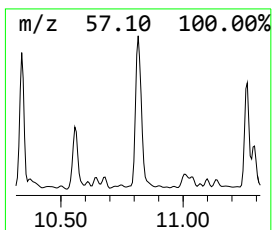
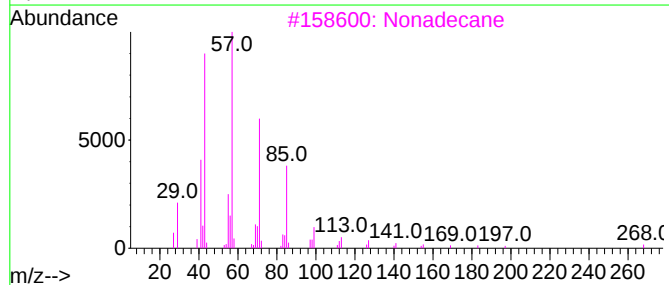
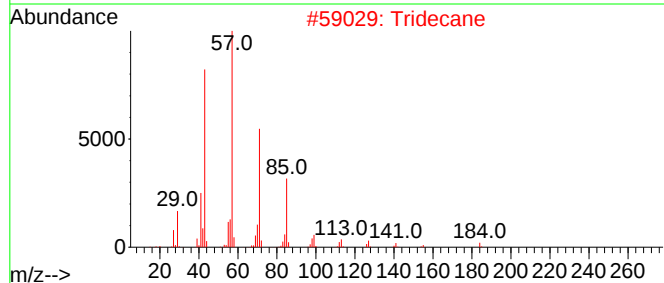
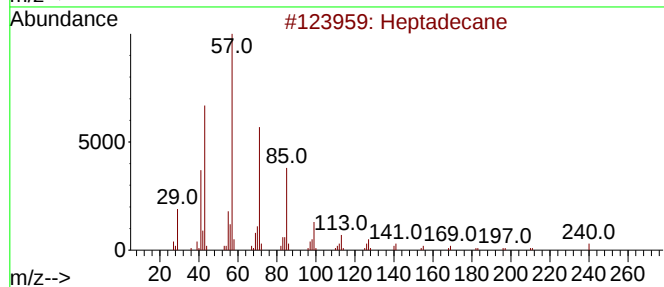
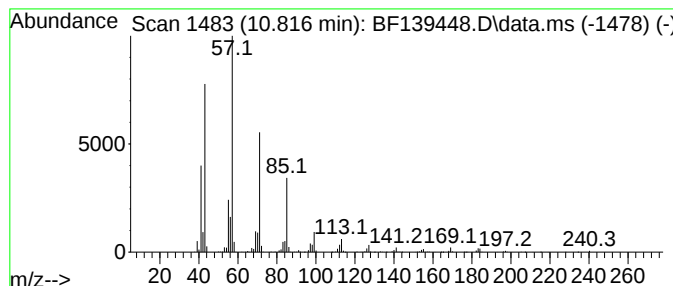
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Nonadecane Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.816 | 50.98 ng | 1018430 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane  | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    |   | Tridecane    | 184 | C13H28  | 000629-50-5 | 94   |
| 3    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 91   |
| 4    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    |   | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

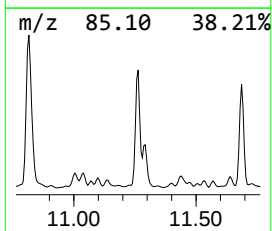
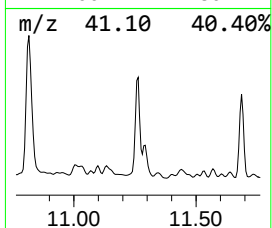
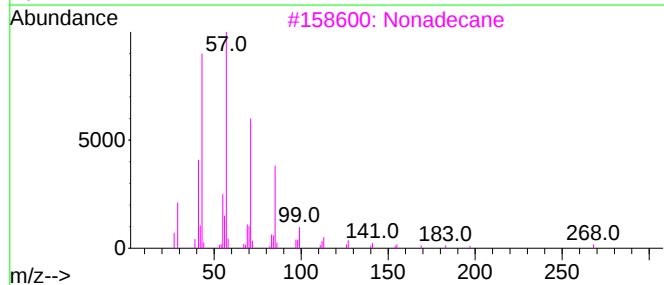
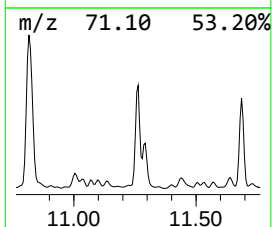
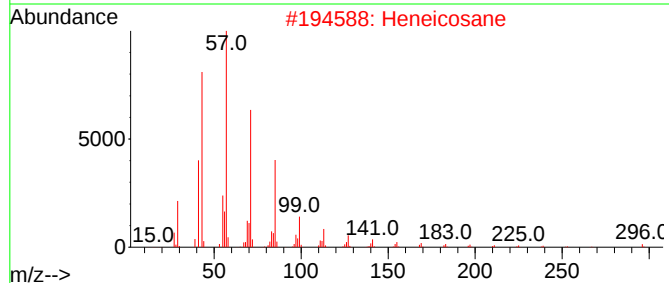
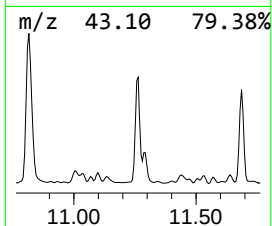
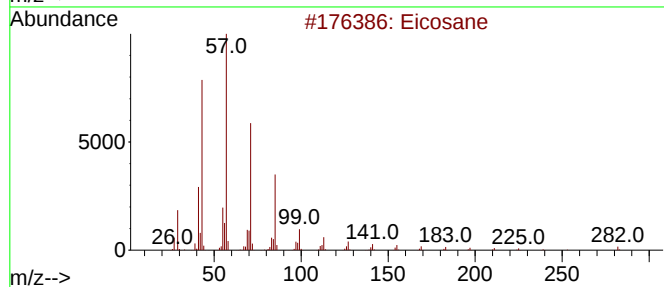
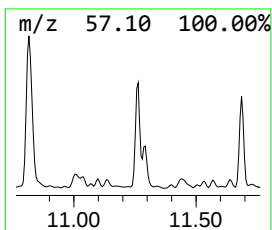
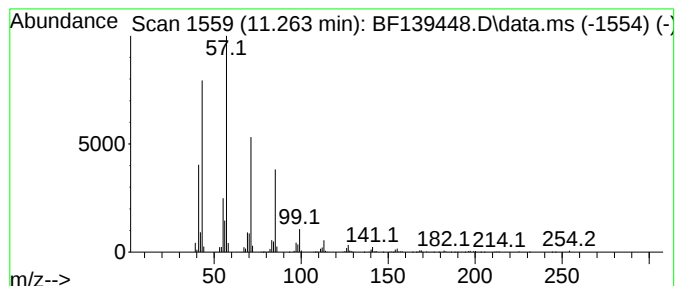
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Eicosane Concentration Rank 6

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.263 | 29.32 ng | 585823 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane                     | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    |   | Heneicosane                  | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 91   |
| 4    |    |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 91   |
| 5    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

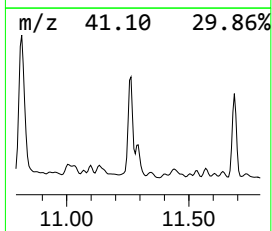
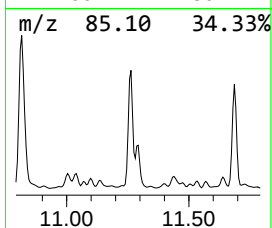
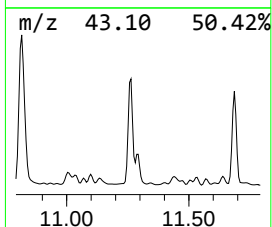
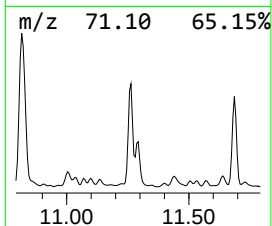
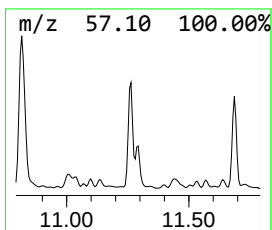
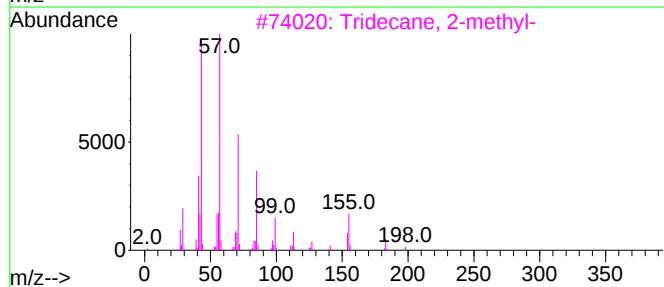
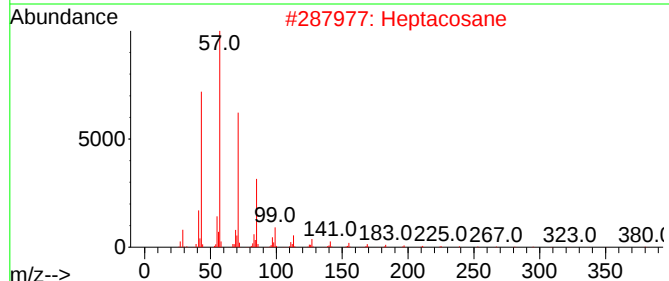
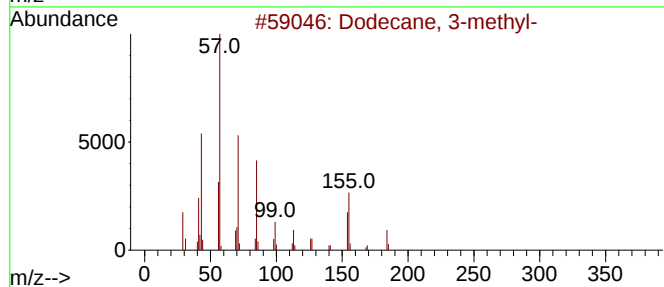
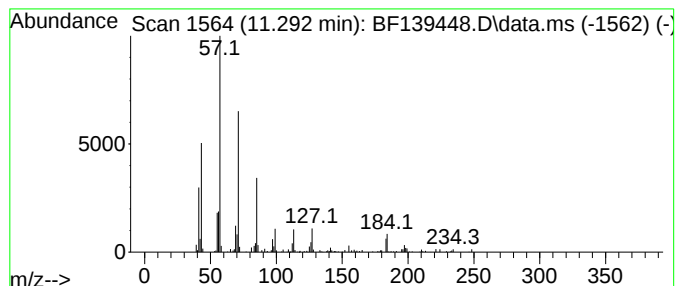
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Dodecane, 3-methyl- Concentration Rank 20

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.292 | 10.39 ng | 207528 | Phenanthrene-d10 | 11.398 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 3-methyl-   | 184 | C13H28  | 017312-57-1 | 86   |
| 2    |      | Heptacosane           | 380 | C27H56  | 000593-49-7 | 80   |
| 3    |      | Tridecane, 2-methyl-  | 198 | C14H30  | 001560-96-9 | 76   |
| 4    |      | Nonadecane, 2-methyl- | 282 | C20H42  | 001560-86-7 | 72   |
| 5    |      | Tridecane             | 184 | C13H28  | 000629-50-5 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

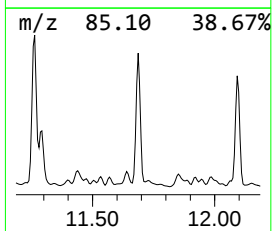
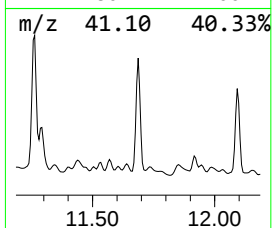
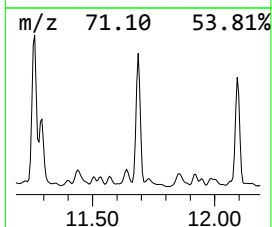
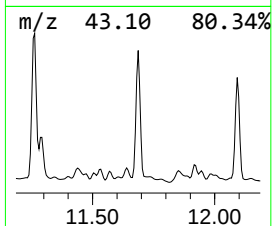
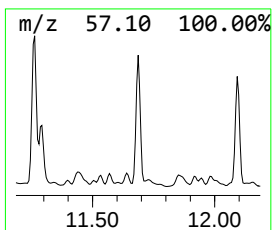
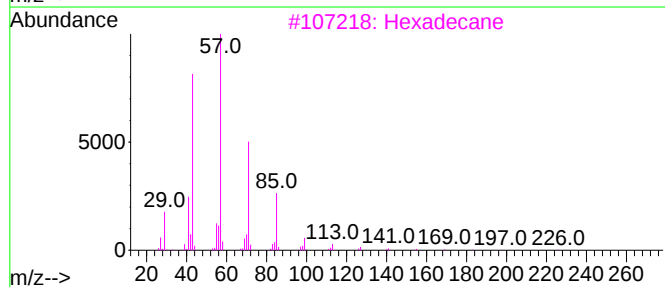
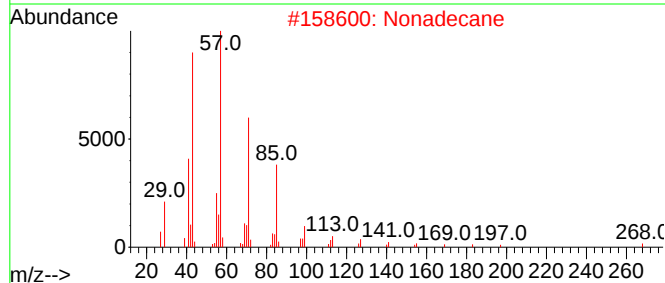
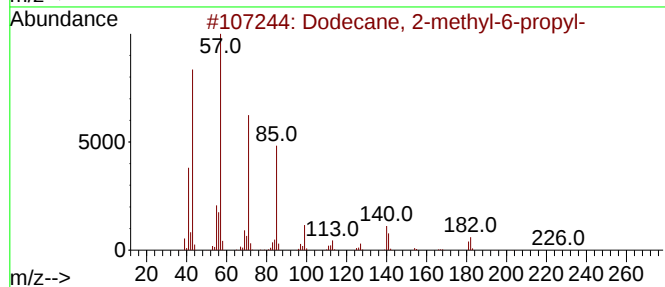
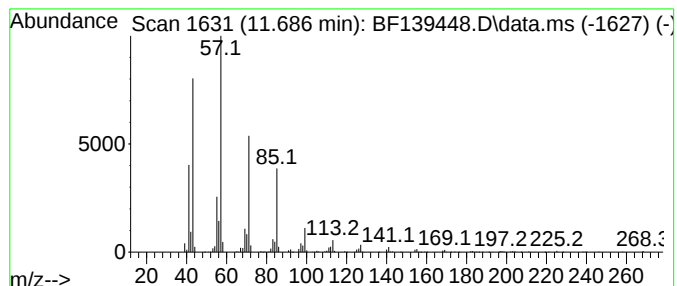
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TIC Integration Parameters: LSCINT.P

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Peak Number 17 Dodecane, 2-methyl-6-propyl- Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.686 | 22.17 ng | 442850 | Phenanthrene-d10 | 11.398 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 94   |
| 2    |      | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |      | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 91   |
| 4    |      | Heneicosane                  | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |      | Decane, 1-iodo-              | 268 | C10H21I | 002050-77-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

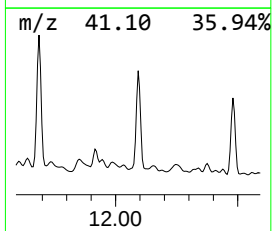
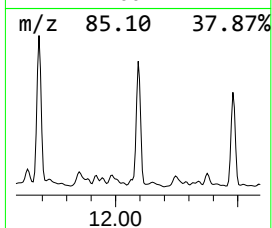
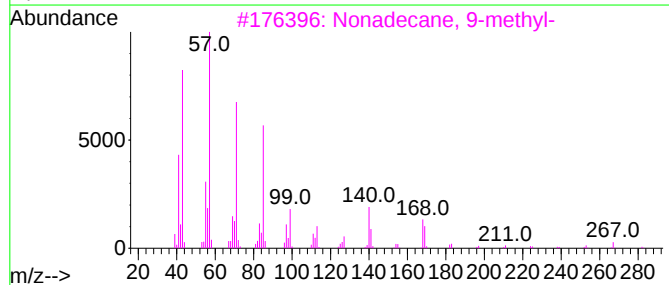
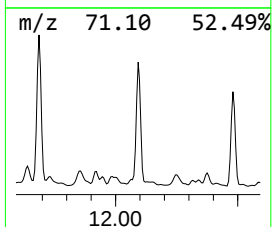
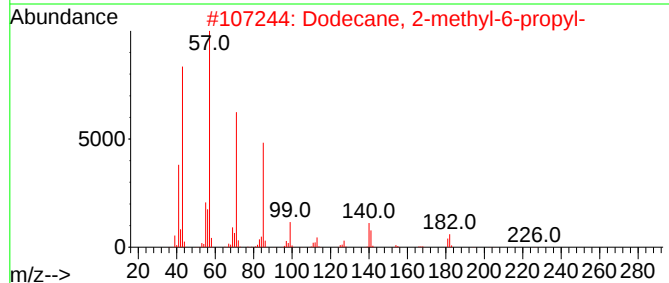
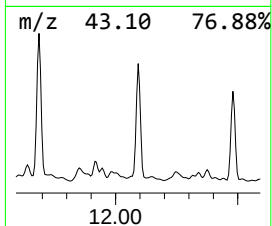
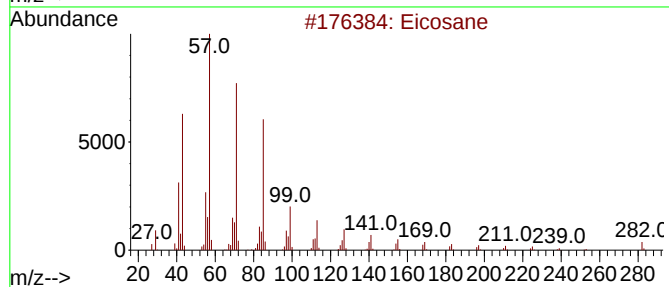
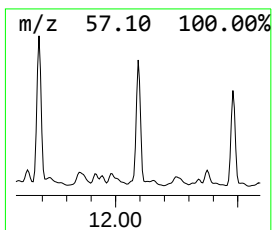
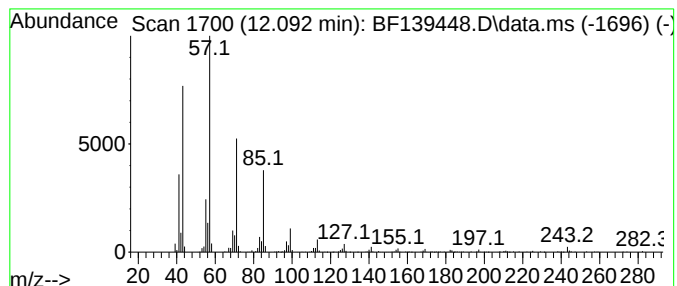
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Nonadecane, 9-methyl- Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.092 | 19.11 ng | 381859 | Phenanthrene-d10 | 11.398 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane                     | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 94   |
| 3    |    |   | Nonadecane, 9-methyl-        | 282 | C20H42  | 013287-24-6 | 93   |
| 4    |    |   | 1-Iodoundecane               | 282 | C11H23I | 004282-44-4 | 91   |
| 5    |    |   | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

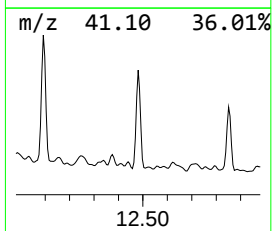
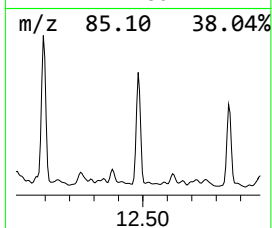
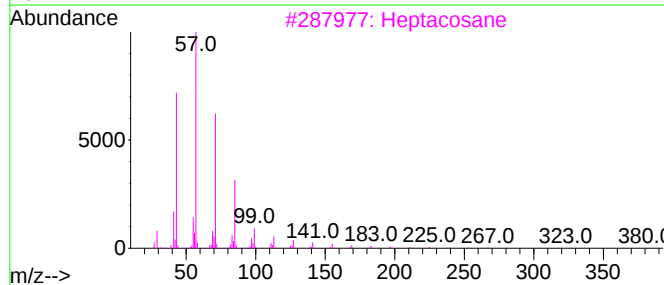
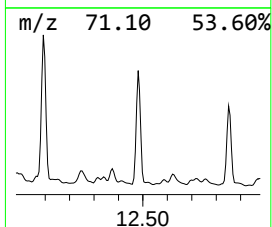
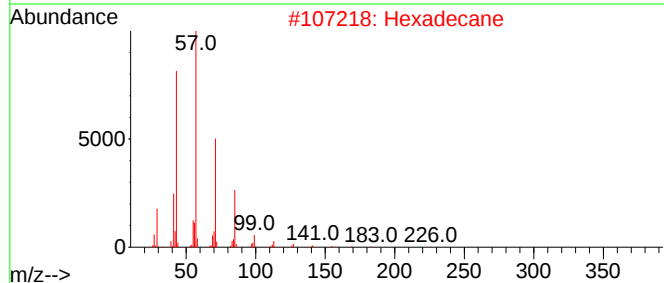
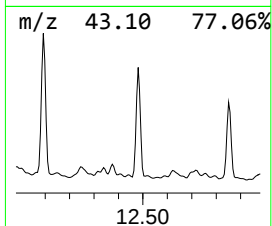
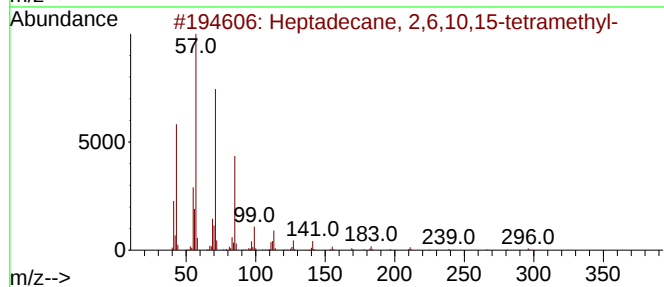
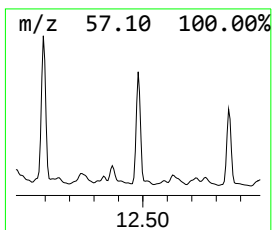
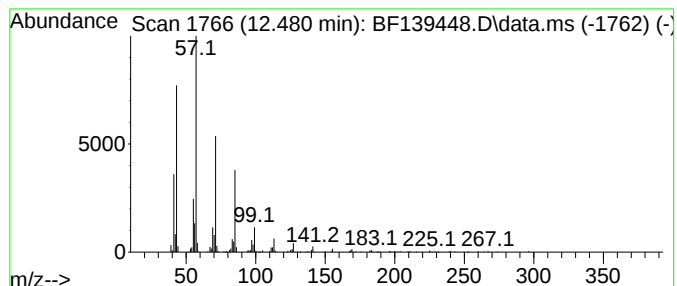
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|---------|-------------|------|
| 12.480    | 15.53 ng                            | 310355 | Phenanthrene-d10 |         | 11.398      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heptadecane, 2,6,10,15-tetramethyl- |        | 296              | C21H44  | 054833-48-6 | 95   |
| 2         | Hexadecane                          |        | 226              | C16H34  | 000544-76-3 | 93   |
| 3         | Heptacosane                         |        | 380              | C27H56  | 000593-49-7 | 91   |
| 4         | Nonadecane                          |        | 268              | C19H40  | 000629-92-5 | 91   |
| 5         | Heneicosane                         |        | 296              | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

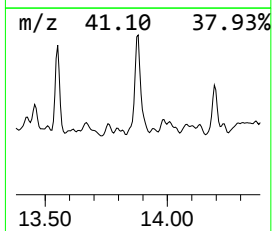
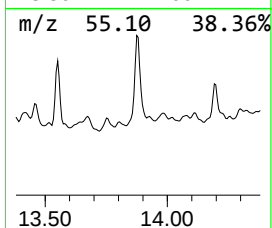
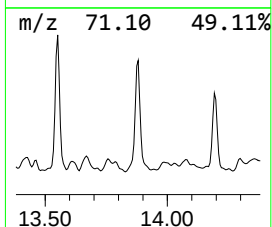
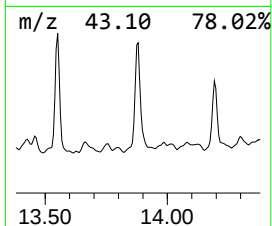
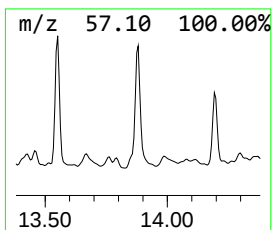
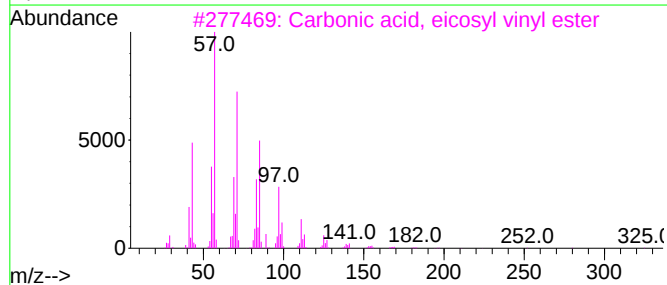
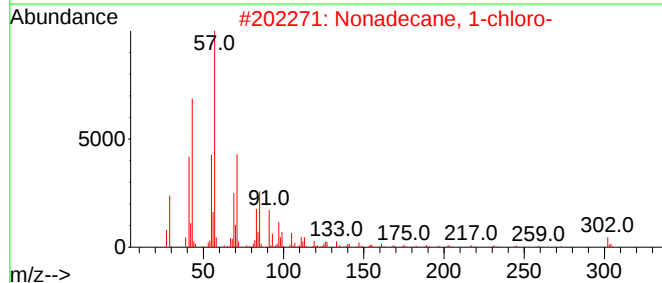
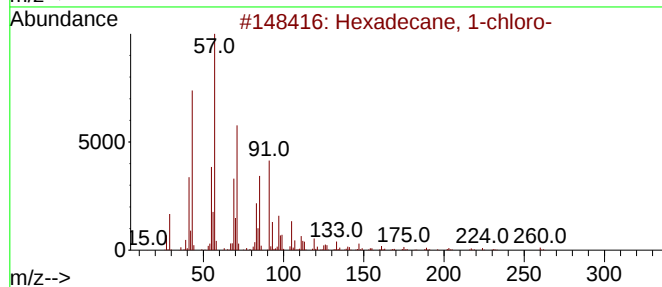
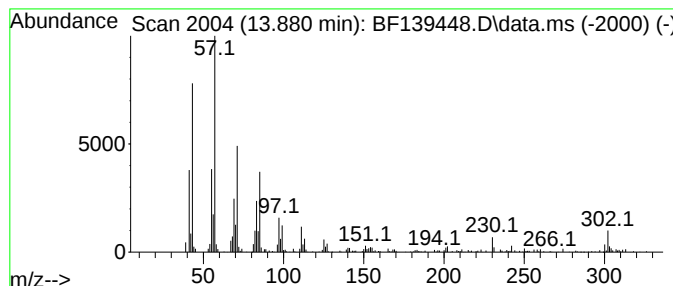
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Hexadecane, 1-chloro- Concentration Rank 16

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.880 | 12.71 ng | 210333 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Hexadecane, 1-chloro-                | 260 | C16H33Cl  | 004860-03-1  | 94   |
| 2    |    |   | Nonadecane, 1-chloro-                | 302 | C19H39Cl  | 062016-76-6  | 93   |
| 3    |    |   | Carbonic acid, eicosyl vinyl ester   | 368 | C23H44O3  | 1000382-54-3 | 87   |
| 4    |    |   | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1010309-12-5 | 83   |
| 5    |    |   | Carbonic acid, octadecyl prop-1-...  | 354 | C22H42O3  | 1000383-11-5 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091824\  
Data File : BF139448.D  
Acq On : 19 Sep 2024 01:57  
Operator : RC/JU  
Sample : P4090-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-091724

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.158  | 47.1    | ng    | 914242   | 1                     | 6.881  | 388238 | 20.0 |
| Benzene, 1-meth... | 7.898  | 12.0    | ng    | 241847   | 2                     | 8.163  | 401898 | 20.0 |
| Naphthalene, 1,... | 8.663  | 12.5    | ng    | 251245   | 2                     | 8.163  | 401898 | 20.0 |
| Tridecane          | 8.745  | 22.6    | ng    | 454830   | 2                     | 8.163  | 401898 | 20.0 |
| Naphthalene, 1,... | 8.981  | 11.5    | ng    | 230362   | 2                     | 8.163  | 401898 | 20.0 |
| Dodecane, 2,6,1... | 9.175  | 13.1    | ng    | 244128   | 3                     | 9.910  | 372349 | 20.0 |
| Tetradecane        | 9.310  | 37.8    | ng    | 702870   | 3                     | 9.910  | 372349 | 20.0 |
| Naphthalene, 2,... | 9.569  | 13.0    | ng    | 242270   | 3                     | 9.910  | 372349 | 20.0 |
| Tetradecane, 1-... | 9.628  | 18.0    | ng    | 334464   | 3                     | 9.910  | 372349 | 20.0 |
| Hexadecane         | 9.839  | 35.0    | ng    | 651614   | 3                     | 9.910  | 372349 | 20.0 |
| Heneicosane        | 10.339 | 36.5    | ng    | 679680   | 3                     | 9.910  | 372349 | 20.0 |
| Heptacosane        | 10.557 | 18.3    | ng    | 339780   | 3                     | 9.910  | 372349 | 20.0 |
| Benzophenone       | 10.622 | 14.7    | ng    | 273918   | 3                     | 9.910  | 372349 | 20.0 |
| Nonadecane         | 10.816 | 51.0    | ng    | 1018430  | 4                     | 11.398 | 399572 | 20.0 |
| Eicosane           | 11.263 | 29.3    | ng    | 585823   | 4                     | 11.398 | 399572 | 20.0 |
| Dodecane, 3-met... | 11.292 | 10.4    | ng    | 207528   | 4                     | 11.398 | 399572 | 20.0 |
| Dodecane, 2-met... | 11.686 | 22.2    | ng    | 442850   | 4                     | 11.398 | 399572 | 20.0 |
| Nonadecane, 9-m... | 12.092 | 19.1    | ng    | 381859   | 4                     | 11.398 | 399572 | 20.0 |
| Heptadecane, 2,... | 12.480 | 15.5    | ng    | 310355   | 4                     | 11.398 | 399572 | 20.0 |
| Hexadecane, 1-c... | 13.880 | 12.7    | ng    | 210333   | 5                     | 14.033 | 330902 | 20.0 |