

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
 Data File : BF144007.D  
 Acq On : 20 Oct 2025 19:22  
 Operator : RC/JU  
 Sample : Q3390-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 4174

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-BF100625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144007.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         | 2.469       | 29            | 47          | 66           | rBV3     | 65710          | 449089        | 1.99%           | 0.391%        |
| 2         | 3.952       | 292           | 299         | 314          | rVB      | 178848         | 293769        | 1.30%           | 0.256%        |
| 3         | 5.498       | 553           | 562         | 574          | rBV      | 546560         | 790033        | 3.50%           | 0.688%        |
| 4         | 5.834       | 614           | 619         | 627          | rVB      | 1196919        | 1612302       | 7.14%           | 1.404%        |
| 5         | 6.475       | 705           | 728         | 730          | rBV2     | 1212579        | 5387322       | 23.86%          | 4.692%        |
| 6         | 6.710       | 764           | 768         | 781          | rVB2     | 267927         | 406833        | 1.80%           | 0.354%        |
| 7         | 6.881       | 792           | 797         | 803          | rVB2     | 475259         | 625372        | 2.77%           | 0.545%        |
| 8         | 6.975       | 803           | 813         | 819          | rBV4     | 106323         | 422049        | 1.87%           | 0.368%        |
| 9         | 7.269       | 858           | 863         | 868          | rBV3     | 150438         | 261577        | 1.16%           | 0.228%        |
| 10        | 7.440       | 882           | 892         | 894          | rBV2     | 403195         | 743797        | 3.29%           | 0.648%        |
| 11        | 7.475       | 894           | 898         | 902          | rVB      | 811342         | 1032087       | 4.57%           | 0.899%        |
| 12        | 7.522       | 902           | 906         | 909          | rBV4     | 175771         | 290611        | 1.29%           | 0.253%        |
| 13        | 7.575       | 909           | 915         | 920          | rVB3     | 216028         | 484695        | 2.15%           | 0.422%        |
| 14        | 7.704       | 935           | 937         | 942          | rVB      | 244306         | 290129        | 1.28%           | 0.253%        |
| 15        | 7.781       | 942           | 950         | 952          | rBV4     | 187145         | 369334        | 1.64%           | 0.322%        |
| 16        | 7.840       | 956           | 960         | 963          | rBV3     | 236886         | 300173        | 1.33%           | 0.261%        |
| 17        | 7.910       | 968           | 972         | 976          | rVV2     | 307291         | 425122        | 1.88%           | 0.370%        |
| 18        | 8.069       | 995           | 999         | 1003         | rVV      | 903522         | 1167092       | 5.17%           | 1.016%        |
| 19        | 8.145       | 1007          | 1012        | 1020         | rVV2     | 1604114        | 2611885       | 11.57%          | 2.275%        |
| 20        | 8.257       | 1021          | 1031        | 1038         | rVB2     | 3588673        | 8309665       | 36.80%          | 7.237%        |
| 21        | 8.339       | 1038          | 1045        | 1046         | rBV3     | 338231         | 617641        | 2.74%           | 0.538%        |
| 22        | 8.457       | 1060          | 1065        | 1070         | rBV5     | 498361         | 799303        | 3.54%           | 0.696%        |
| 23        | 8.510       | 1070          | 1074        | 1076         | rBV3     | 288392         | 411640        | 1.82%           | 0.359%        |
| 24        | 8.539       | 1076          | 1079        | 1082         | rVV2     | 450659         | 567853        | 2.51%           | 0.495%        |
| 25        | 8.581       | 1082          | 1086        | 1092         | rVV      | 657074         | 842937        | 3.73%           | 0.734%        |
| 26        | 8.669       | 1097          | 1101        | 1104         | rBV      | 379352         | 458243        | 2.03%           | 0.399%        |
| 27        | 8.751       | 1111          | 1115        | 1119         | rBV      | 1863335        | 2380050       | 10.54%          | 2.073%        |
| 28        | 8.863       | 1129          | 1134        | 1140         | rVB      | 776431         | 1444237       | 6.40%           | 1.258%        |
| 29        | 8.939       | 1140          | 1147        | 1150         | rBV6     | 224991         | 510398        | 2.26%           | 0.445%        |
| 30        | 8.986       | 1151          | 1155        | 1159         | rBV4     | 287932         | 368495        | 1.63%           | 0.321%        |
| 31        | 9.039       | 1160          | 1164        | 1167         | rBV5     | 250970         | 435662        | 1.93%           | 0.379%        |
| 32        | 9.116       | 1173          | 1177        | 1181         | rVB2     | 448211         | 631234        | 2.80%           | 0.550%        |
| 33        | 9.157       | 1181          | 1184        | 1186         | rBV      | 278176         | 358710        | 1.59%           | 0.312%        |
| 34        | 9.181       | 1186          | 1188        | 1194         | rVV2     | 550794         | 716837        | 3.17%           | 0.624%        |
| 35        | 9.239       | 1194          | 1198        | 1202         | rVB      | 558589         | 666608        | 2.95%           | 0.581%        |
| 36        | 9.322       | 1207          | 1212        | 1216         | rBV      | 1679199        | 2359426       | 10.45%          | 2.055%        |

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Instrument :  
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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-BF100625.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 9.392  | 1221 | 1224 | 1227 | rVB  | 266575  | 326814   | 1.45%   | 0.285%  |
| 38 | 9.504  | 1239 | 1243 | 1248 | rVB4 | 368321  | 541910   | 2.40%   | 0.472%  |
| 39 | 9.575  | 1249 | 1255 | 1257 | rVV5 | 401178  | 784952   | 3.48%   | 0.684%  |
| 40 | 9.639  | 1261 | 1266 | 1268 | rVV4 | 676127  | 1207984  | 5.35%   | 1.052%  |
| 41 | 9.722  | 1268 | 1280 | 1287 | rVV  | 7071642 | 22579437 | 100.00% | 19.666% |
| 42 | 9.786  | 1287 | 1291 | 1296 | rVV4 | 429215  | 815233   | 3.61%   | 0.710%  |
| 43 | 9.845  | 1296 | 1301 | 1306 | rVV3 | 1318592 | 2205146  | 9.77%   | 1.921%  |
| 44 | 9.892  | 1306 | 1309 | 1311 | rVV2 | 296423  | 461659   | 2.04%   | 0.402%  |
| 45 | 9.922  | 1311 | 1314 | 1323 | rVB  | 600704  | 927614   | 4.11%   | 0.808%  |
| 46 | 10.028 | 1328 | 1332 | 1337 | rVB3 | 207671  | 288009   | 1.28%   | 0.251%  |
| 47 | 10.081 | 1337 | 1341 | 1345 | rBV3 | 270560  | 475411   | 2.11%   | 0.414%  |
| 48 | 10.169 | 1353 | 1356 | 1360 | rVB3 | 196564  | 259612   | 1.15%   | 0.226%  |
| 49 | 10.257 | 1365 | 1371 | 1377 | rBV  | 753624  | 1375817  | 6.09%   | 1.198%  |
| 50 | 10.345 | 1383 | 1386 | 1390 | rVB  | 438839  | 563203   | 2.49%   | 0.491%  |
| 51 | 10.563 | 1419 | 1423 | 1430 | rVB  | 267710  | 484905   | 2.15%   | 0.422%  |
| 52 | 10.716 | 1446 | 1449 | 1453 | rVB  | 216332  | 249139   | 1.10%   | 0.217%  |
| 53 | 10.828 | 1463 | 1468 | 1477 | rBV2 | 709035  | 1435213  | 6.36%   | 1.250%  |
| 54 | 11.051 | 1497 | 1506 | 1518 | rBV  | 5160987 | 10669398 | 47.25%  | 9.293%  |
| 55 | 11.275 | 1540 | 1544 | 1547 | rBV  | 717177  | 987705   | 4.37%   | 0.860%  |
| 56 | 11.416 | 1564 | 1568 | 1571 | rBV  | 486135  | 631852   | 2.80%   | 0.550%  |
| 57 | 11.451 | 1571 | 1574 | 1579 | rVV  | 245266  | 433943   | 1.92%   | 0.378%  |
| 58 | 11.586 | 1594 | 1597 | 1600 | rBV  | 220324  | 284812   | 1.26%   | 0.248%  |
| 59 | 11.704 | 1613 | 1617 | 1623 | rBV  | 818611  | 1284294  | 5.69%   | 1.119%  |
| 60 | 11.804 | 1630 | 1634 | 1639 | rVB2 | 1174918 | 1541267  | 6.83%   | 1.342%  |
| 61 | 11.875 | 1642 | 1646 | 1653 | rVV2 | 369561  | 910223   | 4.03%   | 0.793%  |
| 62 | 11.945 | 1654 | 1658 | 1664 | rVV2 | 1016582 | 1826946  | 8.09%   | 1.591%  |
| 63 | 12.116 | 1683 | 1687 | 1691 | rBV  | 927641  | 1172477  | 5.19%   | 1.021%  |
| 64 | 12.210 | 1699 | 1703 | 1708 | rVB  | 1817644 | 2471019  | 10.94%  | 2.152%  |
| 65 | 12.510 | 1749 | 1754 | 1764 | rVB3 | 1386200 | 3182227  | 14.09%  | 2.772%  |
| 66 | 12.604 | 1767 | 1770 | 1774 | rVV2 | 629114  | 759665   | 3.36%   | 0.662%  |
| 67 | 12.663 | 1776 | 1780 | 1787 | rVB2 | 1028444 | 1825711  | 8.09%   | 1.590%  |
| 68 | 12.880 | 1815 | 1817 | 1821 | rBV2 | 574740  | 733486   | 3.25%   | 0.639%  |
| 69 | 12.969 | 1827 | 1832 | 1836 | rBV  | 3446388 | 5100929  | 22.59%  | 4.443%  |
| 70 | 14.710 | 2124 | 2128 | 2145 | rVB  | 2120756 | 4185753  | 18.54%  | 3.646%  |
| 71 | 18.086 | 2695 | 2702 | 2715 | rVB  | 678222  | 1989152  | 8.81%   | 1.732%  |

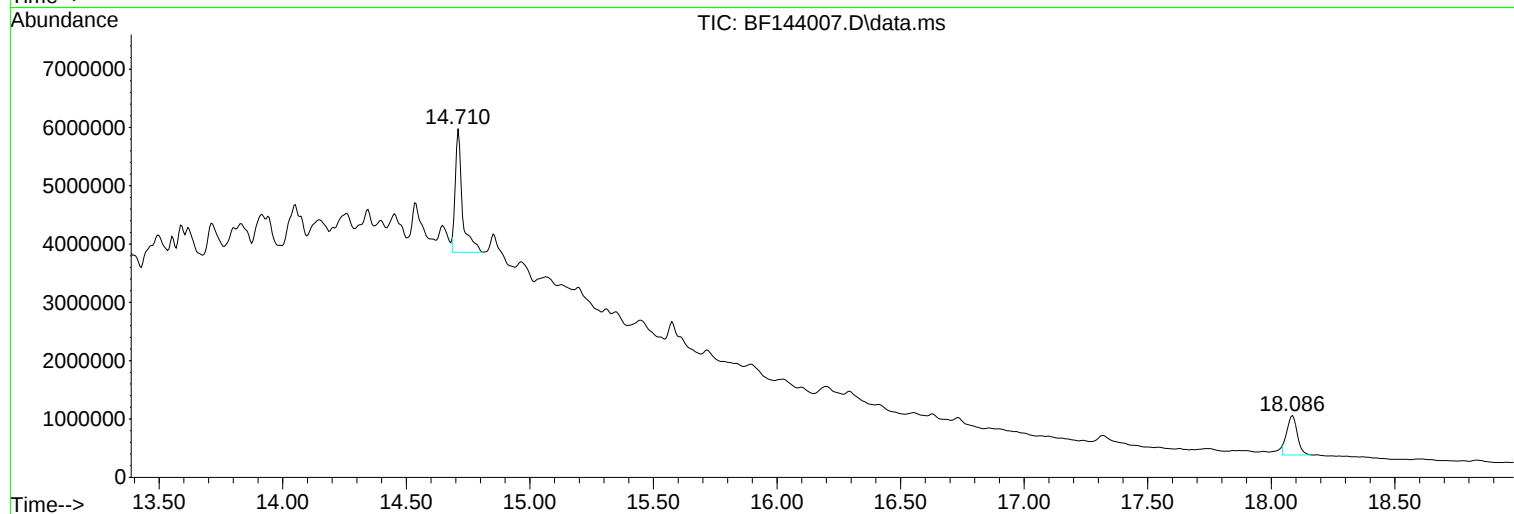
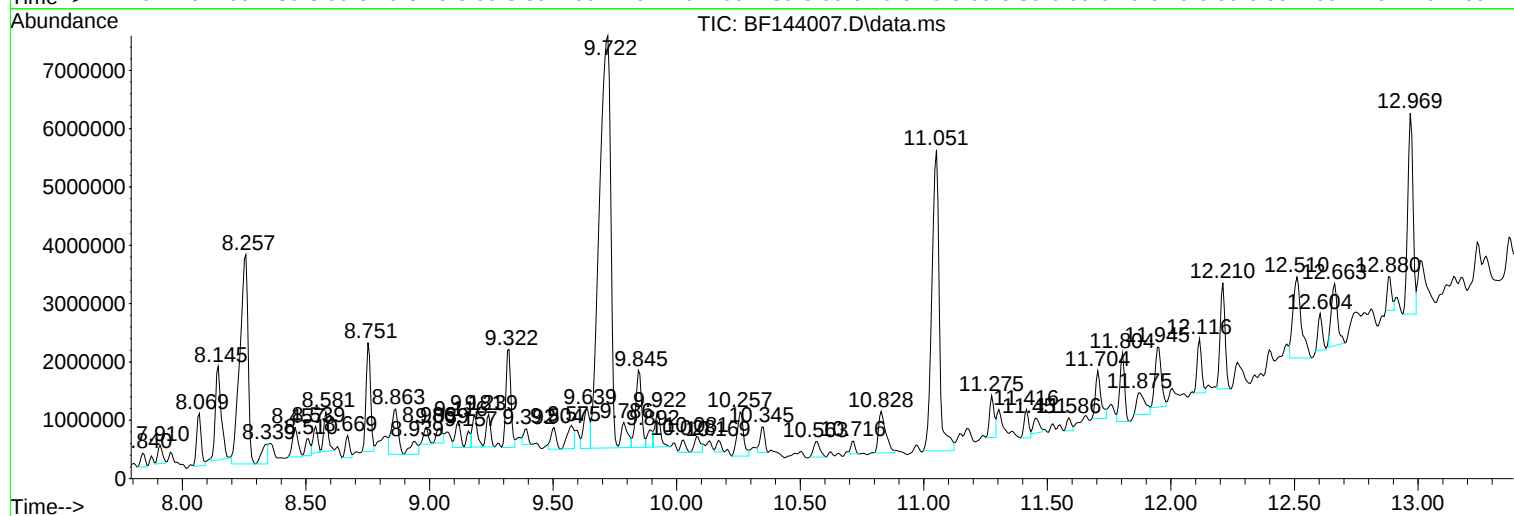
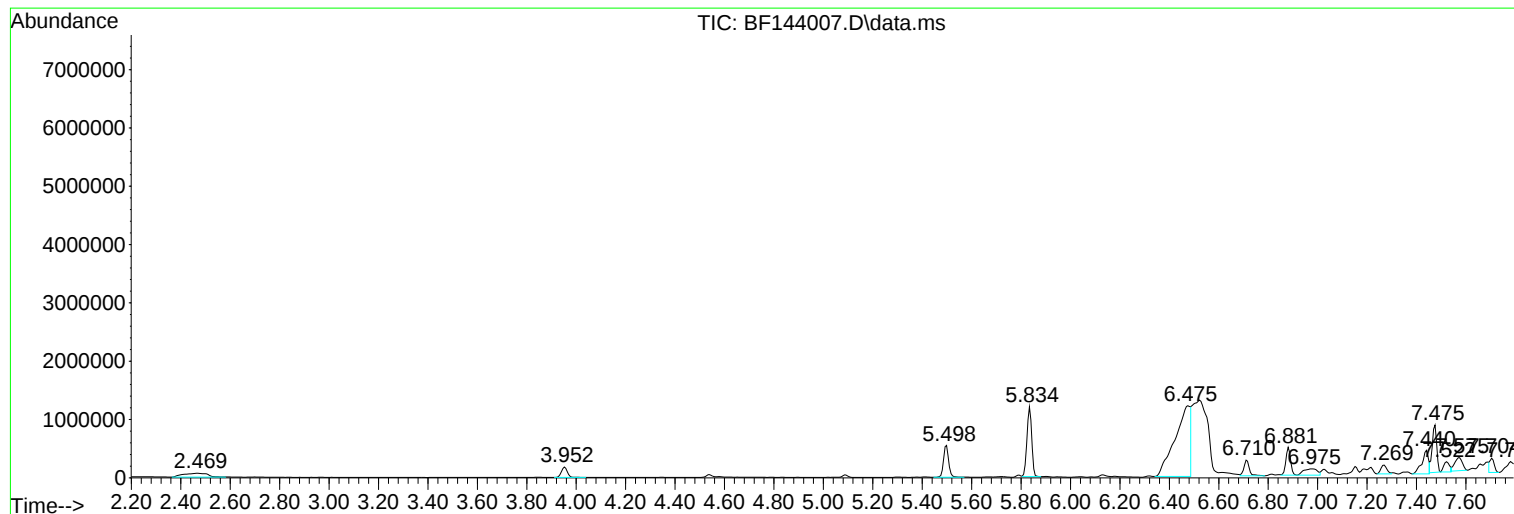
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Sample : Q3390-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
4174

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.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\BF102025\  
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Misc :  
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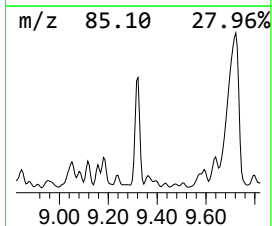
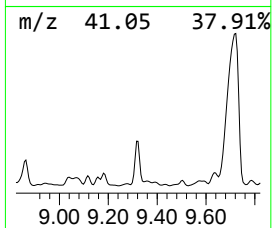
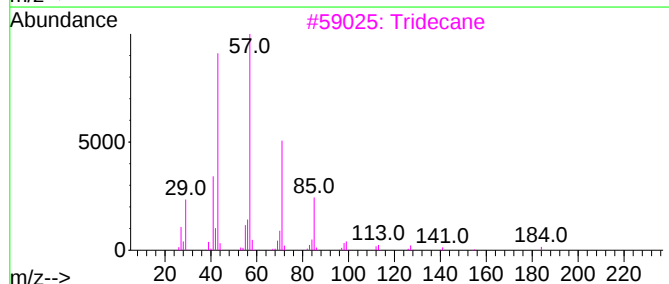
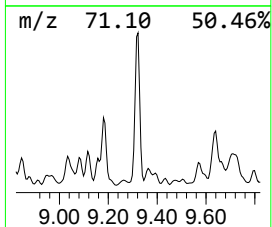
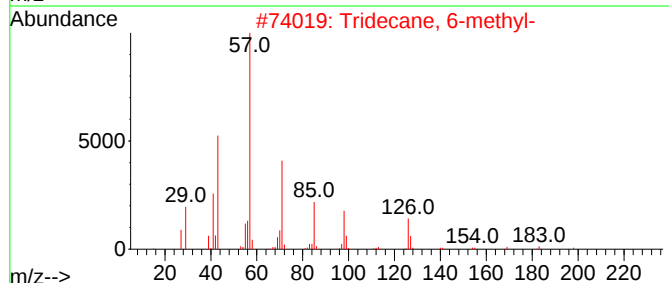
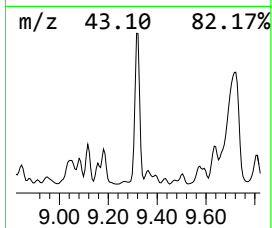
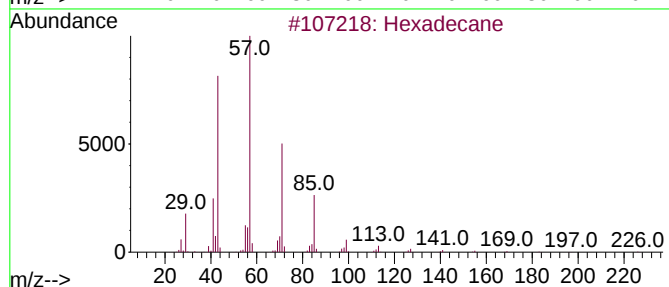
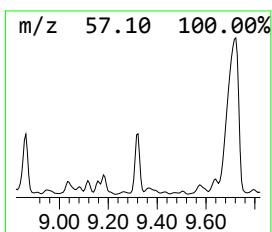
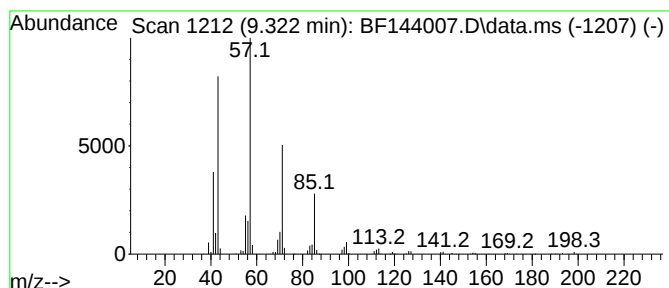
Instrument :  
BNA\_F  
ClientSampleId :  
4174

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.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 3 Hexadecane Concentration Rank 9

| R.T.      | EstConc              | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|----------------------|---------|------------------|---------|-------------|------|
| 9.322     | 50.87 ng             | 2359430 | Acenaphthene-d10 |         | 9.928       |      |
| Hit# of 5 | Tentative ID         |         | MW               | MolForm | CAS#        | Qual |
| 1         | Hexadecane           |         | 226              | C16H34  | 000544-76-3 | 91   |
| 2         | Tridecane, 6-methyl- |         | 198              | C14H30  | 013287-21-3 | 89   |
| 3         | Tridecane            |         | 184              | C13H28  | 000629-50-5 | 86   |
| 4         | Nonadecane           |         | 268              | C19H40  | 000629-92-5 | 86   |
| 5         | Dodecane, 1-iodo-    |         | 296              | C12H25I | 004292-19-7 | 80   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

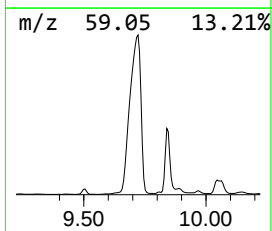
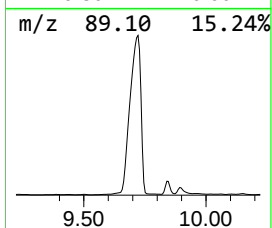
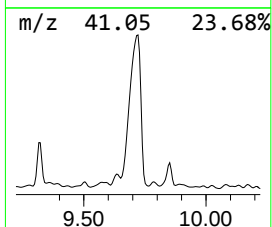
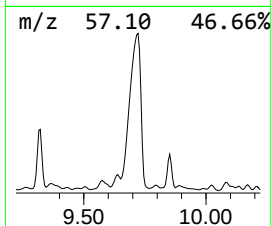
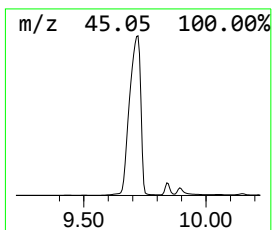
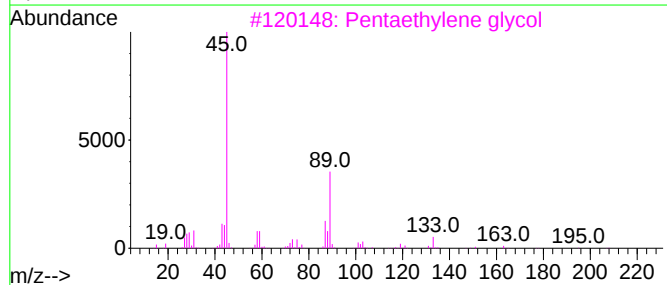
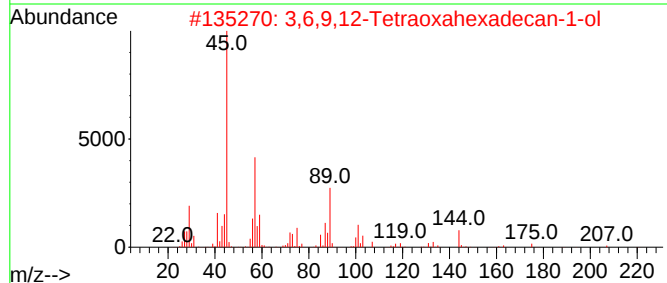
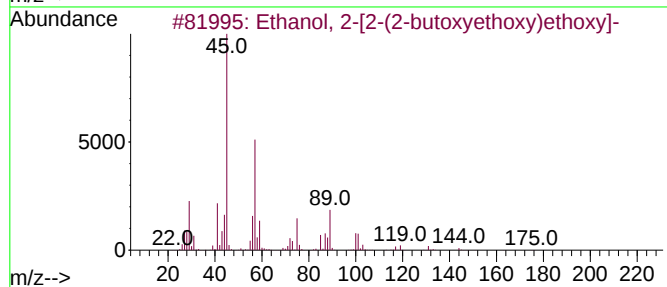
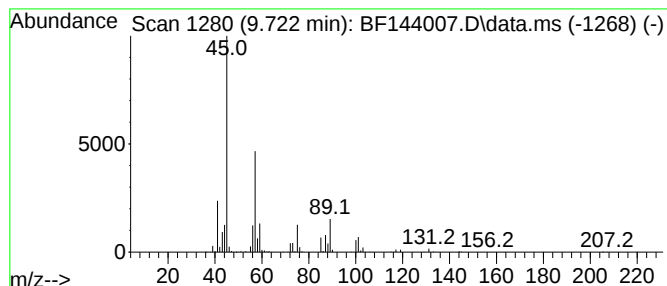
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Ethanol, 2-[2-(2-butoxyetho... Concentration Rank 1

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 9.722 | 486.83 ng | 22579400 | Acenaphthene-d10 | 9.928 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 86   |
| 2    |    |   | 3,6,9,12-Tetraoxahexadecan-1-ol     | 250 | C12H26O5 | 001559-34-8 | 86   |
| 3    |    |   | Pentaethylene glycol                | 238 | C10H22O6 | 004792-15-8 | 64   |
| 4    |    |   | Tetraethylene glycol                | 194 | C8H18O5  | 000112-60-7 | 64   |
| 5    |    |   | Triethylene glycol                  | 150 | C6H14O4  | 000112-27-6 | 64   |



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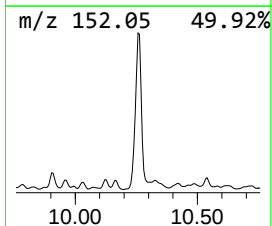
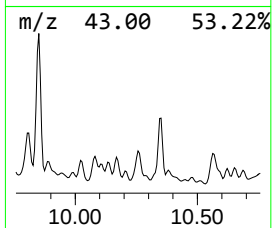
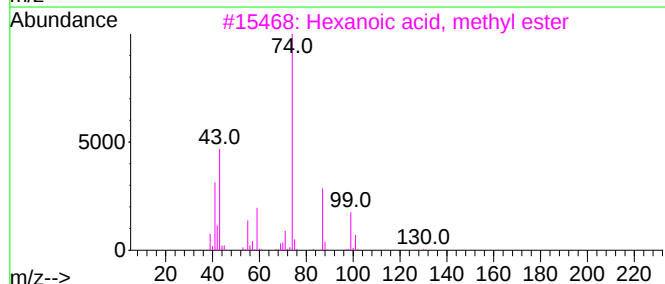
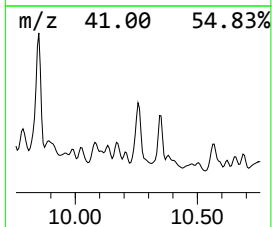
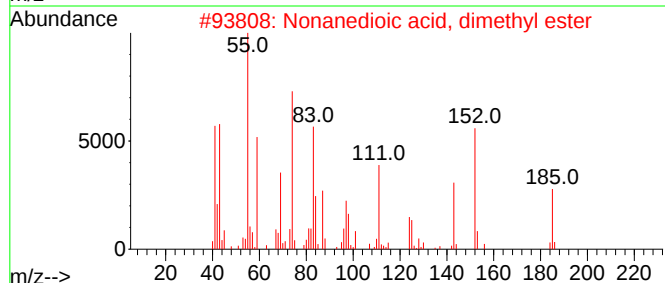
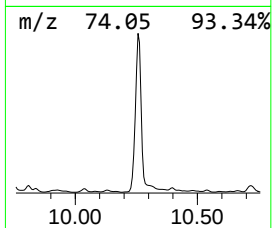
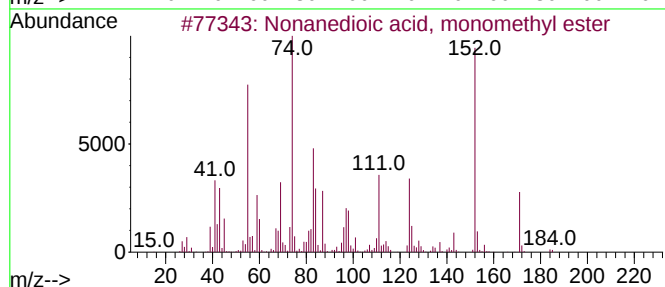
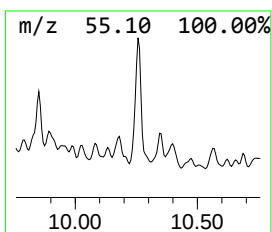
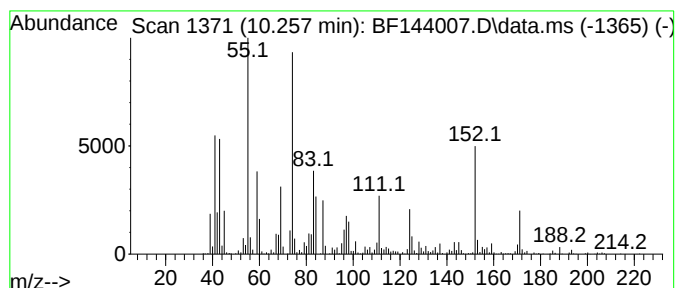
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Nonanedioic acid, monomethyl... Concentration Rank 16

| R.T.      | EstConc                             | Area    | Relative to ISTD |           | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-----------|-------------|------|
| 10.257    | 29.66 ng                            | 1375820 | Acenaphthene-d10 |           | 9.928       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm   | CAS#        | Qual |
| 1         | Nonanedioic acid, monomethyl ester  |         | 202              | C10H18O4  | 002104-19-0 | 91   |
| 2         | Nonanedioic acid, dimethyl ester    |         | 216              | C11H20O4  | 001732-10-1 | 40   |
| 3         | Hexanoic acid, methyl ester         |         | 130              | C7H14O2   | 000106-70-7 | 27   |
| 4         | Tetramethylammonium hexafluoroph... |         | 219              | C4H12F6NP | 000558-32-7 | 27   |
| 5         | Nonanoic acid, methyl ester         |         | 172              | C10H20O2  | 001731-84-6 | 22   |



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Data File : BF144007.D  
Acq On : 20 Oct 2025 19:22  
Operator : RC/JU  
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ClientSampleId :  
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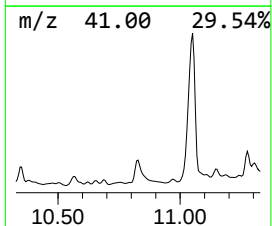
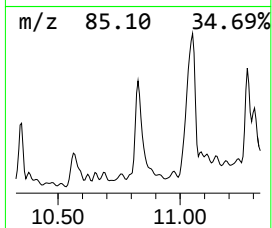
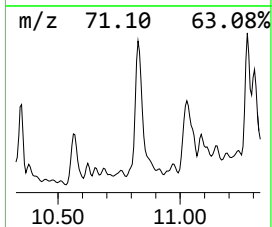
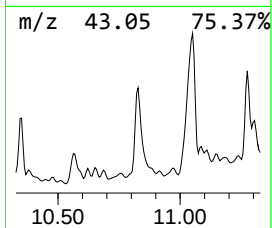
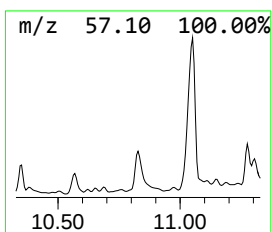
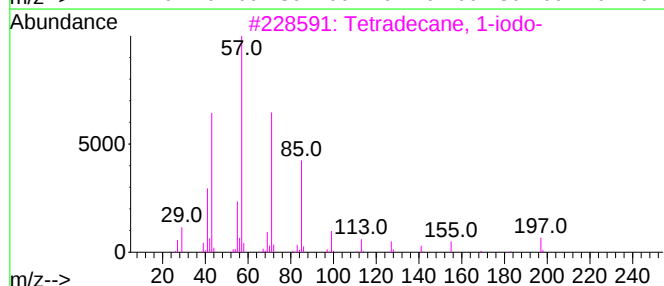
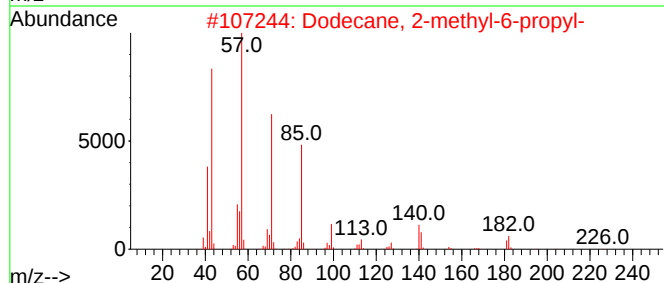
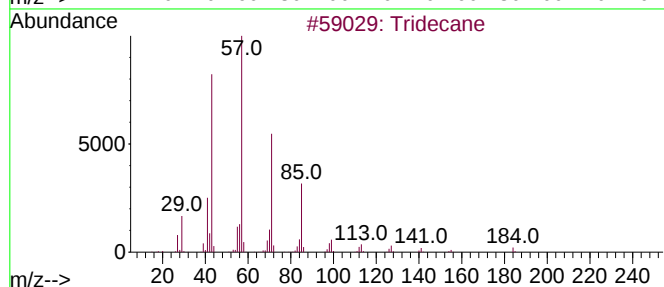
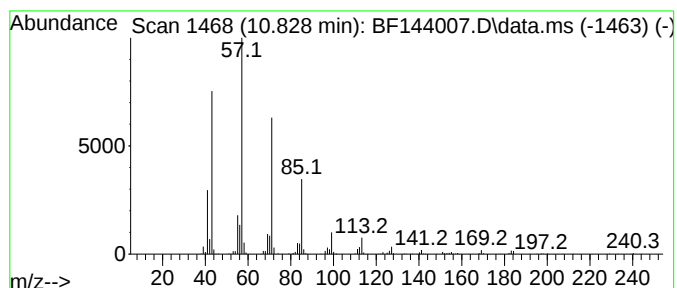
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Tridecane Concentration Rank 12

| R.T.      | EstConc                      | Area    | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------|---------|------------------|---------|-------------|------|
| 10.828    | 45.43 ng                     | 1435210 | Phenanthrene-d10 |         | 11.416      |      |
| Hit# of 5 | Tentative ID                 |         | MW               | MolForm | CAS#        | Qual |
| 1         | Tridecane                    |         | 184              | C13H28  | 000629-50-5 | 90   |
| 2         | Dodecane, 2-methyl-6-propyl- |         | 226              | C16H34  | 055045-08-4 | 90   |
| 3         | Tetradecane, 1-iodo-         |         | 324              | C14H29I | 019218-94-1 | 90   |
| 4         | Hexadecane                   |         | 226              | C16H34  | 000544-76-3 | 90   |
| 5         | Dodecane, 2-methyl-          |         | 184              | C13H28  | 001560-97-0 | 87   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
Data File : BF144007.D  
Acq On : 20 Oct 2025 19:22  
Operator : RC/JU  
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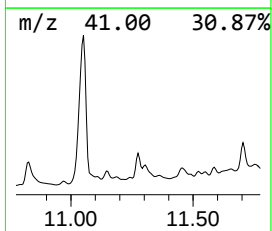
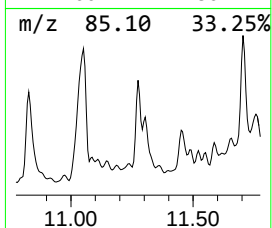
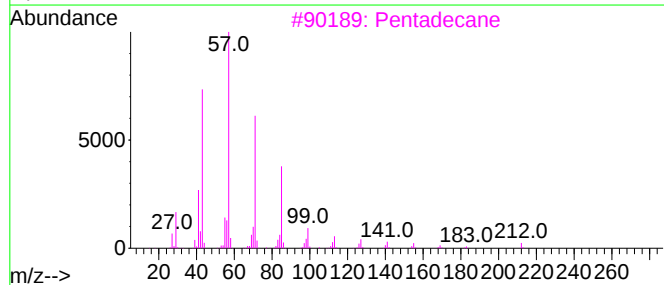
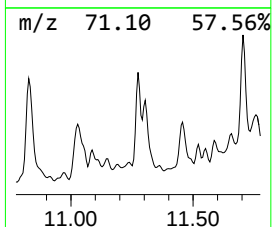
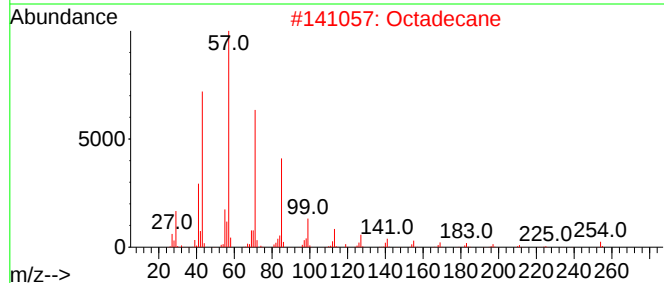
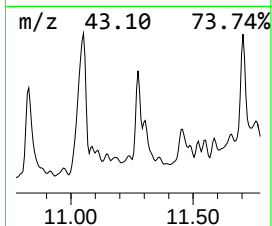
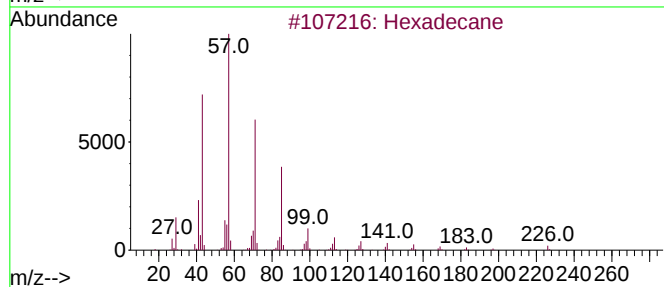
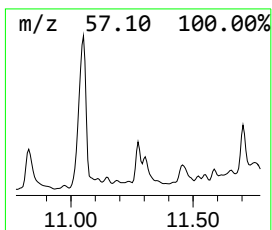
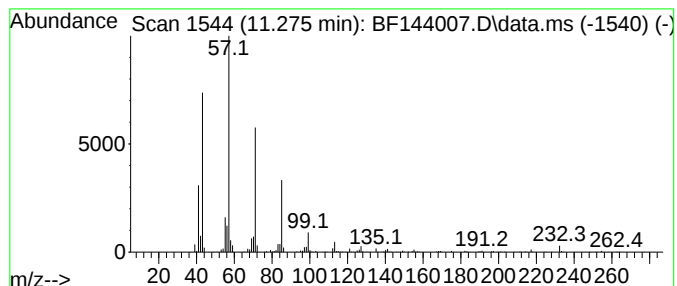
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octadecane Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD |           | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|-----------|--------------|------|
| 11.275    | 31.26 ng                            | 987705 | Phenanthrene-d10 |           | 11.416       |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm   | CAS#         | Qual |
| 1         | Hexadecane                          |        | 226              | C16H34    | 000544-76-3  | 95   |
| 2         | Octadecane                          |        | 254              | C18H38    | 000593-45-3  | 93   |
| 3         | Pentadecane                         |        | 212              | C15H32    | 000629-62-9  | 81   |
| 4         | Sulfurous acid, 2-ethylhexyl hex... |        | 278              | C14H30O3S | 1000309-20-2 | 80   |
| 5         | Dodecane, 1-iodo-                   |        | 296              | C12H25I   | 004292-19-7  | 80   |



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Acq On : 20 Oct 2025 19:22  
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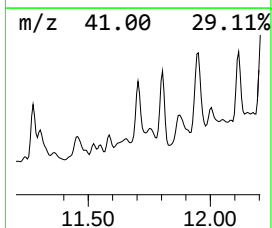
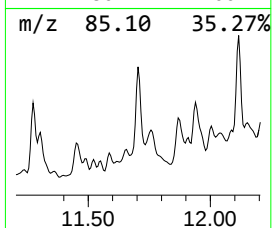
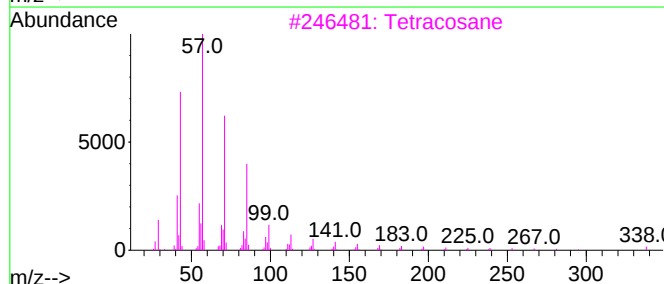
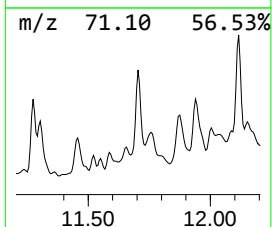
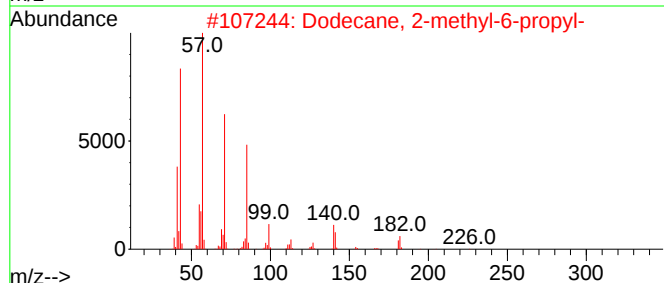
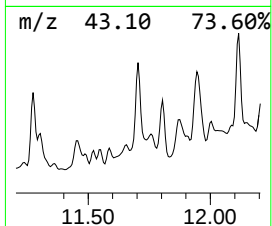
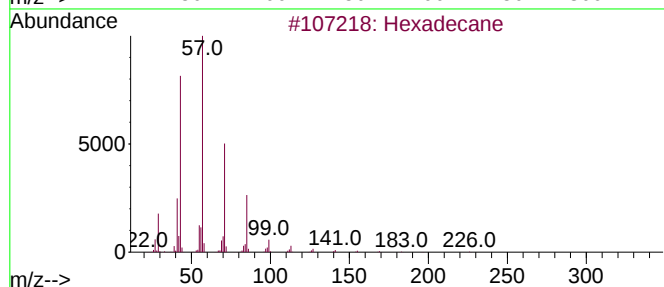
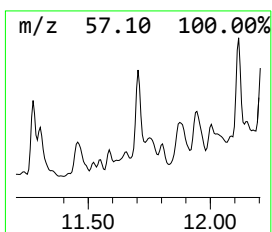
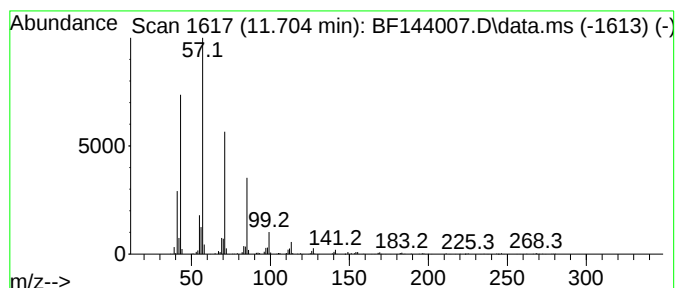
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

| R.T.      | EstConc                             | Area    | Relative to ISTD |           | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|-----------|--------------|------|
| 11.704    | 40.65 ng                            | 1284290 | Phenanthrene-d10 |           | 11.416       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm   | CAS#         | Qual |
| 1         | Hexadecane                          |         | 226              | C16H34    | 000544-76-3  | 91   |
| 2         | Dodecane, 2-methyl-6-propyl-        |         | 226              | C16H34    | 055045-08-4  | 90   |
| 3         | Tetracosane                         |         | 338              | C24H50    | 000646-31-1  | 90   |
| 4         | Eicosane                            |         | 282              | C20H42    | 000112-95-8  | 90   |
| 5         | Sulfurous acid, 2-ethylhexyl hex... |         | 278              | C14H30O3S | 1000309-20-2 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
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Acq On : 20 Oct 2025 19:22  
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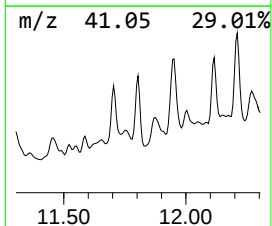
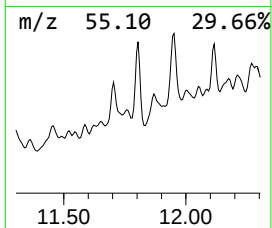
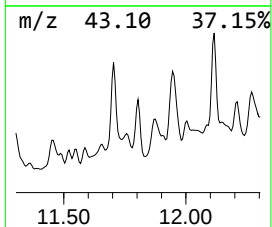
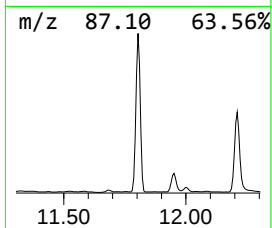
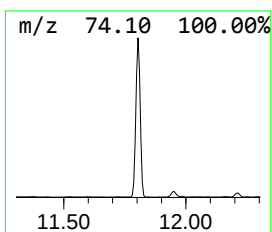
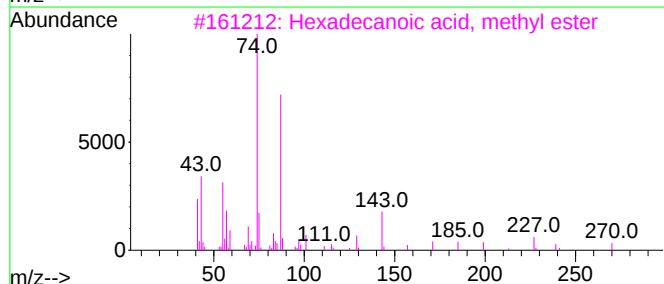
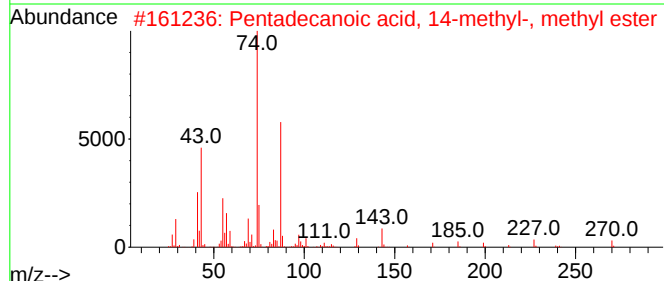
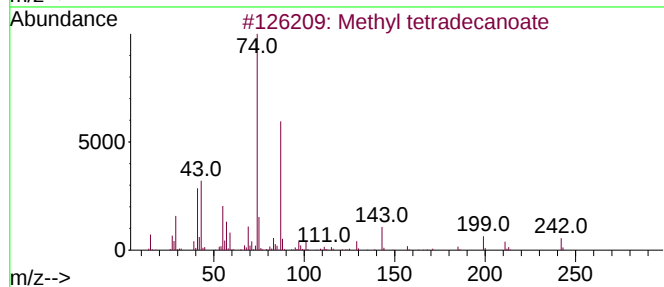
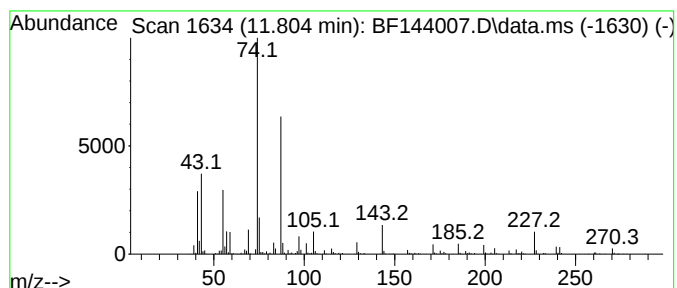
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Methyl tetradecanoate Concentration Rank 10

| R.T.      | EstConc                             | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|----------|-------------|------|
| 11.804    | 48.79 ng                            | 1541270 | Phenanthrene-d10 |          | 11.416      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm  | CAS#        | Qual |
| 1         | Methyl tetradecanoate               |         | 242              | C15H30O2 | 000124-10-7 | 93   |
| 2         | Pentadecanoic acid, 14-methyl-, ... |         | 270              | C17H34O2 | 005129-60-2 | 93   |
| 3         | Hexadecanoic acid, methyl ester     |         | 270              | C17H34O2 | 000112-39-0 | 92   |
| 4         | Hexadecanoic acid, 2-methyl-        |         | 270              | C17H34O2 | 027147-71-3 | 83   |
| 5         | Pentadecanoic acid, methyl ester    |         | 256              | C16H32O2 | 007132-64-1 | 80   |



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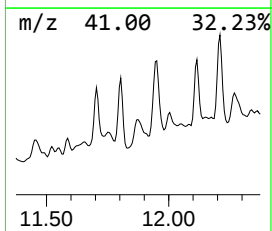
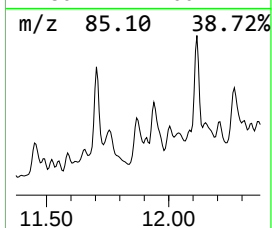
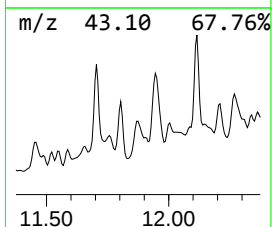
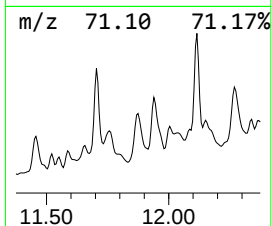
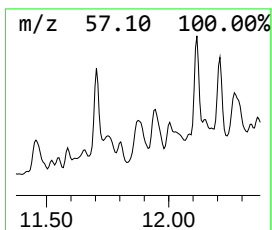
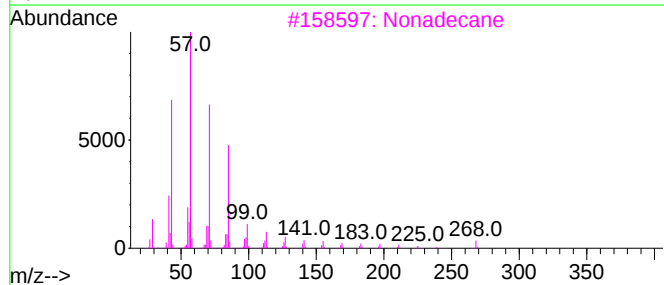
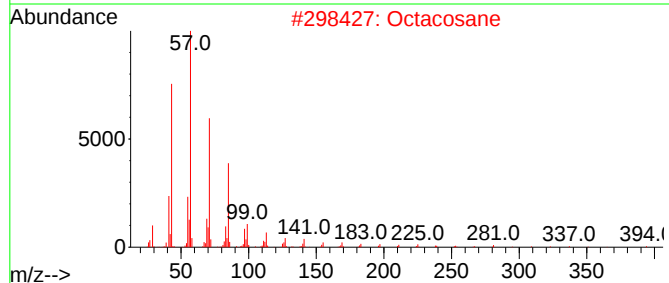
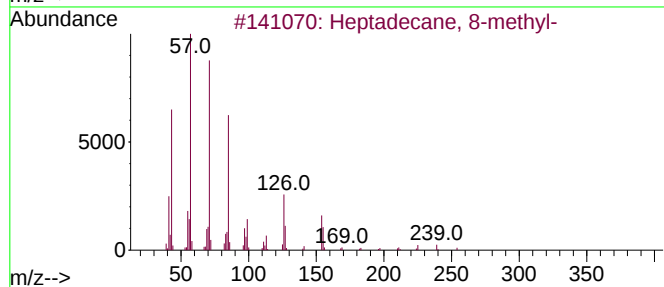
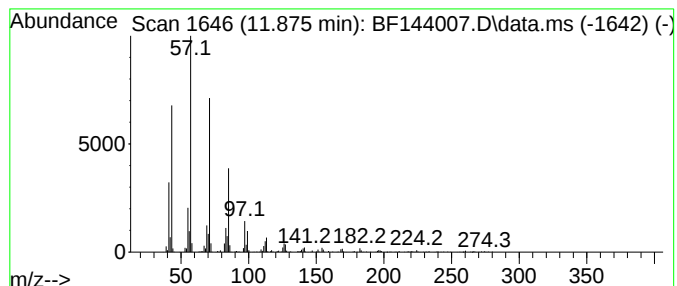
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptadecane, 8-methyl- Concentration Rank 17

| R.T.      | EstConc                | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------|--------|------------------|---------|-------------|------|
| 11.874    | 28.81 ng               | 910223 | Phenanthrene-d10 |         | 11.416      |      |
| Hit# of 5 | Tentative ID           |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heptadecane, 8-methyl- |        | 254              | C18H38  | 013287-23-5 | 91   |
| 2         | Octacosane             |        | 394              | C28H58  | 000630-02-4 | 87   |
| 3         | Nonadecane             |        | 268              | C19H40  | 000629-92-5 | 86   |
| 4         | Tridecane, 4-methyl-   |        | 198              | C14H30  | 026730-12-1 | 83   |
| 5         | Tridecane, 1-iodo-     |        | 310              | C13H27I | 035599-77-0 | 80   |



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Acq On : 20 Oct 2025 19:22  
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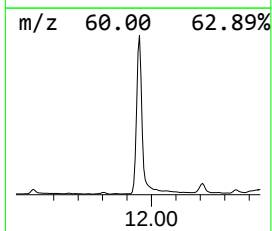
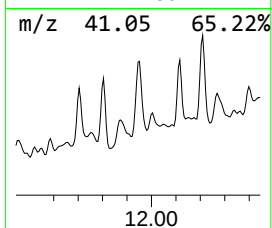
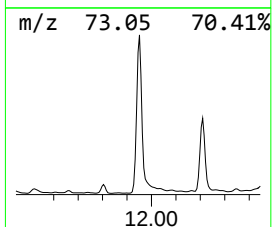
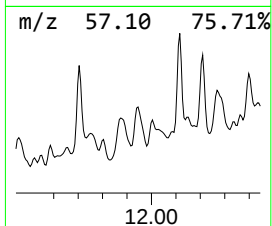
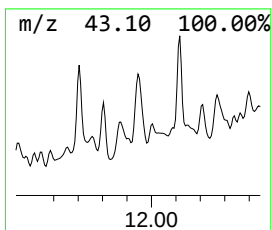
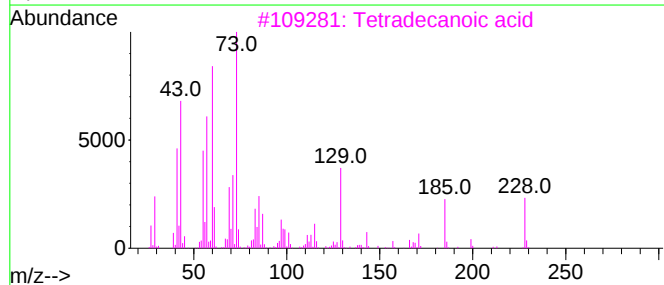
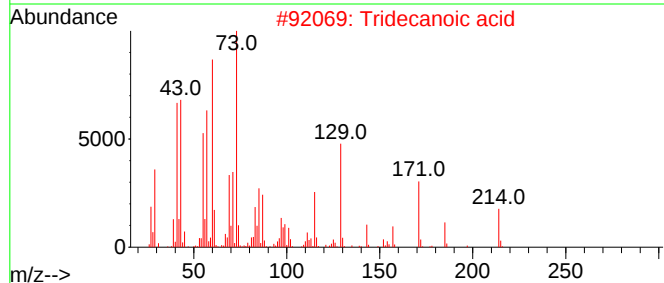
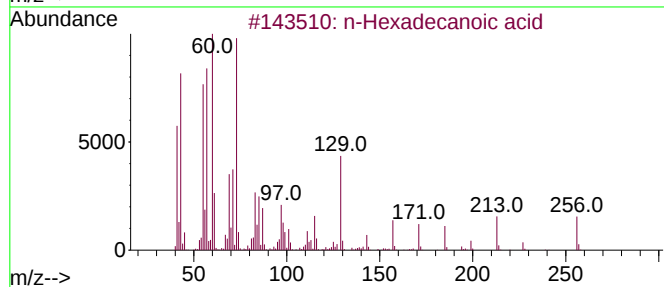
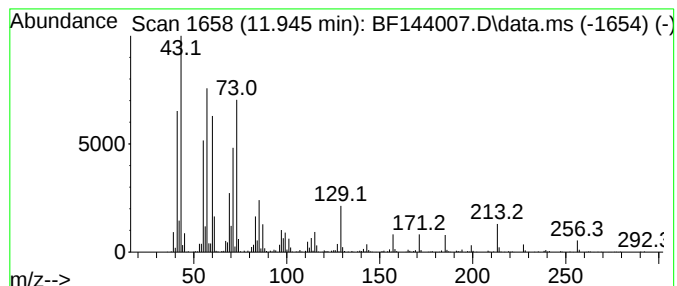
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc             | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------|---------|------------------|-------------|------|
| 11.945    | 57.83 ng            | 1826950 | Phenanthrene-d10 | 11.416      |      |
| Hit# of 5 | Tentative ID        | MW      | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256     | C16H32O2         | 000057-10-3 | 94   |
| 2         | Tridecanoic acid    | 214     | C13H26O2         | 000638-53-9 | 91   |
| 3         | Tetradecanoic acid  | 228     | C14H28O2         | 000544-63-8 | 60   |
| 4         | Pentadecanoic acid  | 242     | C15H30O2         | 001002-84-2 | 52   |
| 5         | Octadecanoic acid   | 284     | C18H36O2         | 000057-11-4 | 46   |



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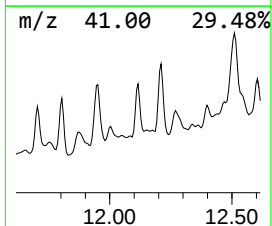
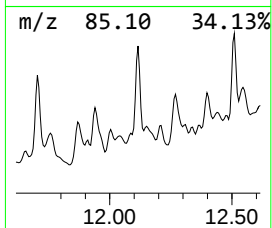
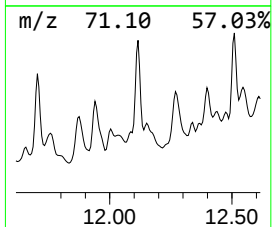
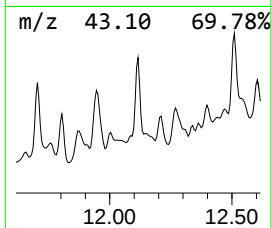
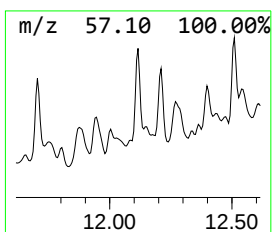
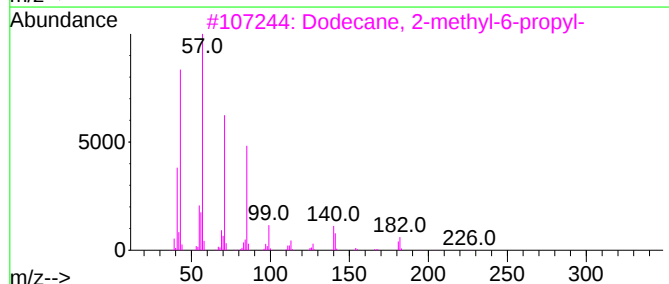
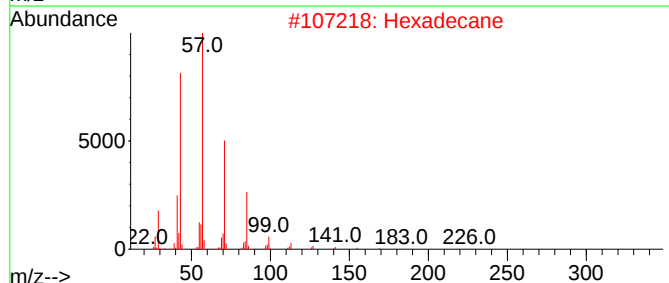
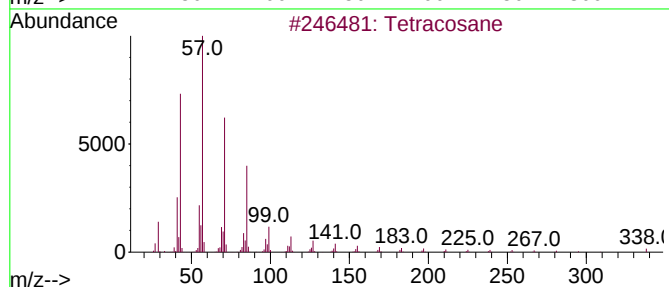
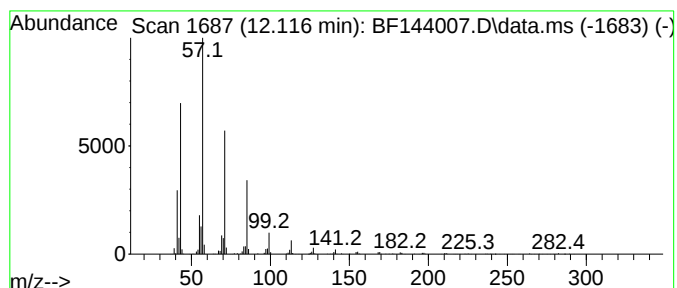
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Tetracosane Concentration Rank 14

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 12.116    | 37.11 ng                            | 1172480 | Phenanthrene-d10 | 11.416       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Tetracosane                         | 338     | C24H50           | 000646-31-1  | 86   |
| 2         | Hexadecane                          | 226     | C16H34           | 000544-76-3  | 86   |
| 3         | Dodecane, 2-methyl-6-propyl-        | 226     | C16H34           | 055045-08-4  | 86   |
| 4         | Dodecane, 1-iodo-                   | 296     | C12H25I          | 004292-19-7  | 80   |
| 5         | Sulfurous acid, 2-ethylhexyl hex... | 278     | C14H30O3S        | 1000309-20-2 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
Data File : BF144007.D  
Acq On : 20 Oct 2025 19:22  
Operator : RC/JU  
Sample : Q3390-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
4174

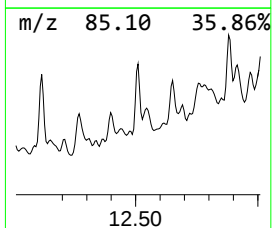
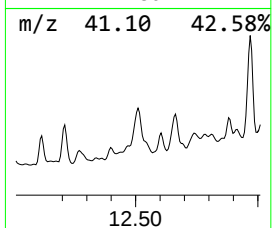
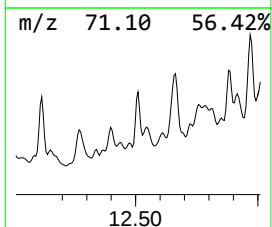
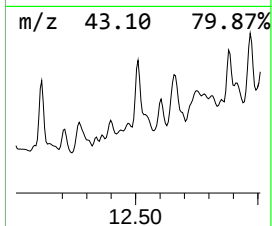
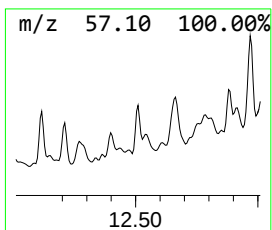
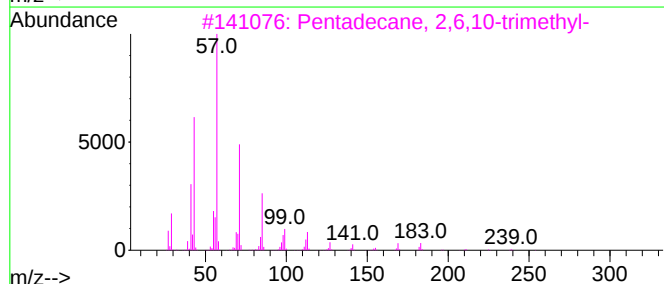
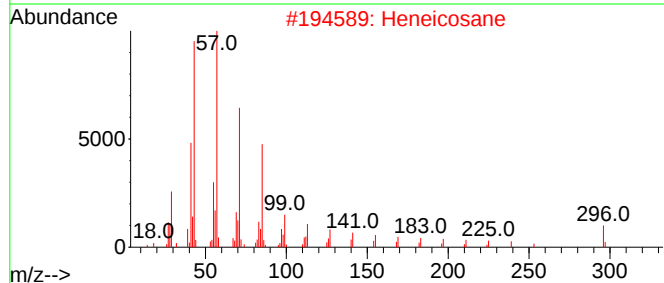
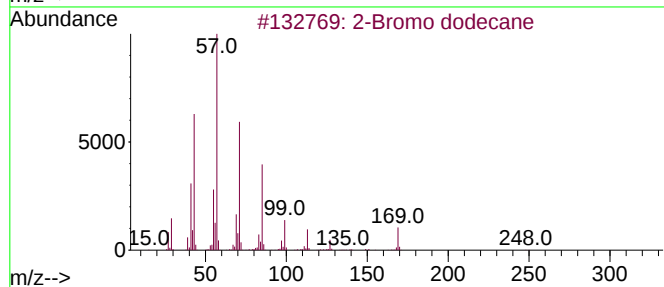
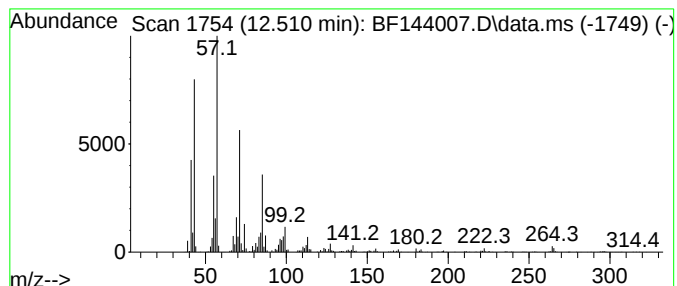
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 2-Bromo dodecane Concentration Rank 3

| R.T.      | EstConc                        | Area    | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|---------|------------------|-------------|------|
| 12.510    | 100.73 ng                      | 3182230 | Phenanthrene-d10 | 11.416      |      |
| Hit# of 5 | Tentative ID                   | MW      | MolForm          | CAS#        | Qual |
| 1         | 2-Bromo dodecane               | 248     | C12H25Br         | 013187-99-0 | 95   |
| 2         | Heneicosane                    | 296     | C21H44           | 000629-94-7 | 94   |
| 3         | Pentadecane, 2,6,10-trimethyl- | 254     | C18H38           | 003892-00-0 | 91   |
| 4         | Nonadecane                     | 268     | C19H40           | 000629-92-5 | 87   |
| 5         | Dodecane, 1-iodo-              | 296     | C12H25I          | 004292-19-7 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
Data File : BF144007.D  
Acq On : 20 Oct 2025 19:22  
Operator : RC/JU  
Sample : Q3390-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
4174

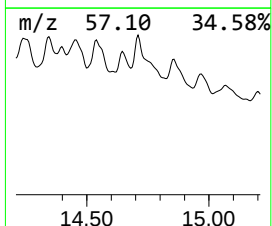
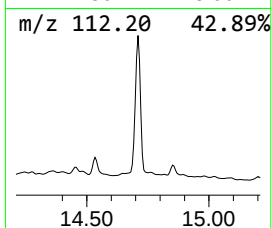
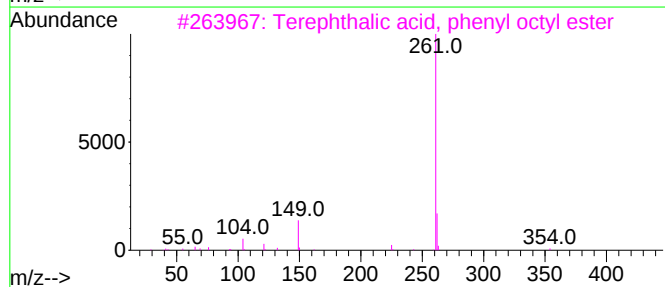
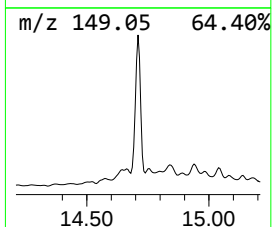
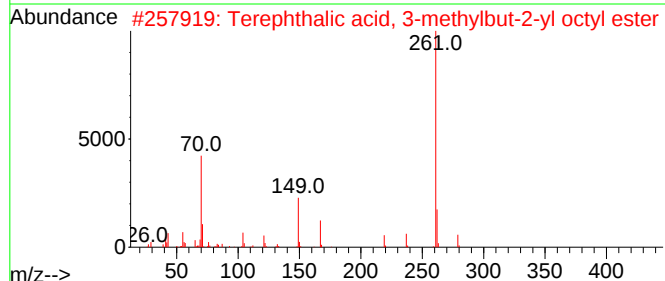
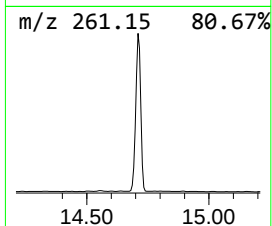
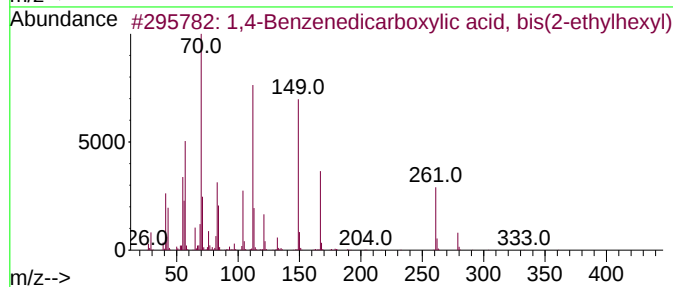
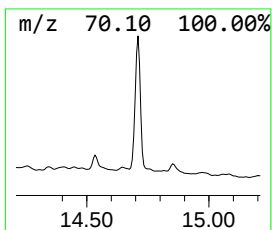
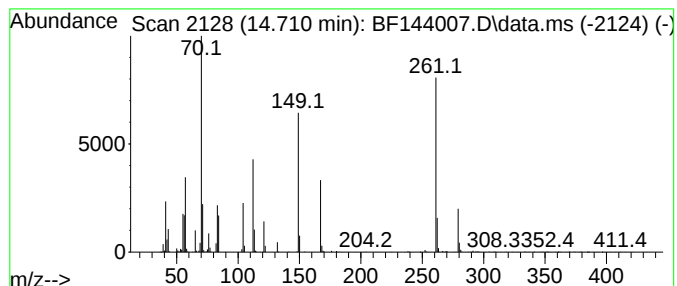
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 1,4-Benzenedicarboxylic aci... Concentration Rank 20

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 14.710    | 20.00 ng                            | 4185750 | Chrysene-d12     | 14.074       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | 1,4-Benzenedicarboxylic acid, bi... | 390     | C24H38O4         | 006422-86-2  | 87   |
| 2         | Terephthalic acid, 3-methylbut-2... | 348     | C21H32O4         | 1000356-27-6 | 64   |
| 3         | Terephthalic acid, phenyl octyl ... | 354     | C22H26O4         | 1000324-06-6 | 43   |
| 4         | Terephthalic acid, 4-bromophenyl... | 432     | C22H25BrO4       | 1000323-68-4 | 43   |
| 5         | Terephthalic acid, 4-methylpent-... | 362     | C22H34O4         | 1010356-26-2 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
Data File : BF144007.D  
Acq On : 20 Oct 2025 19:22  
Operator : RC/JU  
Sample : Q3390-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
4174

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Hexadecane         | 9.322  | 50.9    | ng    | 2359430  | 3                     | 9.928  | 927614  | 20.0 |
| Ethanol, 2-[2-(... | 9.722  | 486.8   | ng    | 22579400 | 3                     | 9.928  | 927614  | 20.0 |
| Nonanedioic aci... | 10.257 | 29.7    | ng    | 1375820  | 3                     | 9.928  | 927614  | 20.0 |
| Tridecane          | 10.828 | 45.4    | ng    | 1435210  | 4                     | 11.416 | 631852  | 20.0 |
| 3,6,9,12-Tetrao... | 11.051 | 337.7   | ng    | 10669400 | 4                     | 11.416 | 631852  | 20.0 |
| Octadecane         | 11.275 | 31.3    | ng    | 987705   | 4                     | 11.416 | 631852  | 20.0 |
| Dodecane, 2-met... | 11.704 | 40.6    | ng    | 1284290  | 4                     | 11.416 | 631852  | 20.0 |
| Methyl tetradec... | 11.804 | 48.8    | ng    | 1541270  | 4                     | 11.416 | 631852  | 20.0 |
| Heptadecane, 8-... | 11.874 | 28.8    | ng    | 910223   | 4                     | 11.416 | 631852  | 20.0 |
| n-Hexadecanoic ... | 11.945 | 57.8    | ng    | 1826950  | 4                     | 11.416 | 631852  | 20.0 |
| Tetracosane        | 12.116 | 37.1    | ng    | 1172480  | 4                     | 11.416 | 631852  | 20.0 |
| 2-Bromo dodecane   | 12.510 | 100.7   | ng    | 3182230  | 4                     | 11.416 | 631852  | 20.0 |
| 1,4-Benzenedica... | 14.710 | 20.0    | ng    | 4185750  | 5                     | 14.074 | 4185750 | 20.0 |