

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
 Data File : BF141772.D  
 Acq On : 25 Feb 2025 19:03  
 Operator : RC/JU  
 Sample : Q1416-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-022425

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-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141772.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.398       | 557           | 562         | 582          | rBV      | 637209         | 1033773       | 75.85%          | 4.310%        |
| 2         | 6.422       | 731           | 736         | 749          | rBV      | 682782         | 1068277       | 78.38%          | 4.454%        |
| 3         | 6.610       | 763           | 768         | 774          | rBV2     | 58486          | 80528         | 5.91%           | 0.336%        |
| 4         | 6.781       | 792           | 797         | 803          | rBV      | 388424         | 508423        | 37.30%          | 2.120%        |
| 5         | 6.834       | 803           | 806         | 810          | rVB      | 14077          | 16465         | 1.21%           | 0.069%        |
| 6         | 6.922       | 818           | 821         | 825          | rBV2     | 16748          | 21234         | 1.56%           | 0.089%        |
| 7         | 7.051       | 832           | 843         | 846          | rBV2     | 40129          | 77791         | 5.71%           | 0.324%        |
| 8         | 7.098       | 846           | 851         | 858          | rVB2     | 31193          | 80155         | 5.88%           | 0.334%        |
| 9         | 7.169       | 858           | 863         | 867          | rBV2     | 43051          | 60662         | 4.45%           | 0.253%        |
| 10        | 7.245       | 872           | 876         | 878          | rBV2     | 16560          | 22892         | 1.68%           | 0.095%        |
| 11        | 7.310       | 882           | 887         | 888          | rBV2     | 46007          | 51633         | 3.79%           | 0.215%        |
| 12        | 7.345       | 888           | 893         | 896          | rVV      | 490886         | 710808        | 52.15%          | 2.963%        |
| 13        | 7.375       | 896           | 898         | 902          | rVV      | 182989         | 198020        | 14.53%          | 0.826%        |
| 14        | 7.422       | 902           | 906         | 910          | rVB5     | 34175          | 53471         | 3.92%           | 0.223%        |
| 15        | 7.581       | 922           | 933         | 936          | rBV3     | 71180          | 142440        | 10.45%          | 0.594%        |
| 16        | 7.687       | 943           | 951         | 956          | rBV6     | 53418          | 169191        | 12.41%          | 0.705%        |
| 17        | 7.739       | 956           | 960         | 963          | rVB3     | 61292          | 81628         | 5.99%           | 0.340%        |
| 18        | 7.781       | 963           | 967         | 968          | rBV3     | 42661          | 52075         | 3.82%           | 0.217%        |
| 19        | 7.804       | 968           | 971         | 977          | rVB5     | 74149          | 128929        | 9.46%           | 0.537%        |
| 20        | 7.851       | 977           | 979         | 981          | rBV      | 18164          | 18733         | 1.37%           | 0.078%        |
| 21        | 7.928       | 990           | 992         | 995          | rVB2     | 20570          | 19770         | 1.45%           | 0.082%        |
| 22        | 7.963       | 995           | 998         | 1001         | rVB2     | 25184          | 25617         | 1.88%           | 0.107%        |
| 23        | 8.057       | 1001          | 1014        | 1020         | rBV2     | 542779         | 1363005       | 100.00%         | 5.682%        |
| 24        | 8.116       | 1021          | 1024        | 1028         | rVV2     | 149394         | 220208        | 16.16%          | 0.918%        |
| 25        | 8.151       | 1028          | 1030        | 1037         | rVB6     | 53179          | 79064         | 5.80%           | 0.330%        |
| 26        | 8.234       | 1037          | 1044        | 1045         | rBV3     | 42491          | 81995         | 6.02%           | 0.342%        |
| 27        | 8.257       | 1045          | 1048        | 1052         | rVB2     | 64114          | 78108         | 5.73%           | 0.326%        |
| 28        | 8.351       | 1059          | 1064        | 1070         | rBV6     | 117490         | 205834        | 15.10%          | 0.858%        |
| 29        | 8.404       | 1070          | 1073        | 1076         | rVV2     | 59095          | 75089         | 5.51%           | 0.313%        |
| 30        | 8.439       | 1076          | 1079        | 1082         | rVV3     | 97940          | 124829        | 9.16%           | 0.520%        |
| 31        | 8.481       | 1082          | 1086        | 1092         | rVV      | 144879         | 221804        | 16.27%          | 0.925%        |
| 32        | 8.563       | 1096          | 1100        | 1104         | rBV2     | 155247         | 200927        | 14.74%          | 0.838%        |
| 33        | 8.651       | 1110          | 1115        | 1119         | rBV      | 443758         | 558465        | 40.97%          | 2.328%        |
| 34        | 8.716       | 1124          | 1126        | 1129         | rVV2     | 36034          | 45986         | 3.37%           | 0.192%        |
| 35        | 8.810       | 1139          | 1142        | 1144         | rBV4     | 29338          | 37646         | 2.76%           | 0.157%        |
| 36        | 8.881       | 1150          | 1154        | 1159         | rBV3     | 147223         | 204393        | 15.00%          | 0.852%        |

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 Sample : Q1416-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-022425

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-BF020625.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 8.934  | 1160 | 1163 | 1165 | rBV2 | 44692  | 54156   | 3.97%  | 0.226% |
| 38 | 9.010  | 1172 | 1176 | 1180 | rVB3 | 101987 | 158046  | 11.60% | 0.659% |
| 39 | 9.051  | 1181 | 1183 | 1184 | rBV  | 46380  | 40932   | 3.00%  | 0.171% |
| 40 | 9.075  | 1184 | 1187 | 1193 | rVB3 | 149194 | 203276  | 14.91% | 0.847% |
| 41 | 9.133  | 1193 | 1197 | 1202 | rBV  | 994618 | 1195659 | 87.72% | 4.985% |
| 42 | 9.216  | 1206 | 1211 | 1215 | rBV  | 529043 | 717948  | 52.67% | 2.993% |
| 43 | 9.286  | 1220 | 1223 | 1229 | rVB  | 95189  | 124081  | 9.10%  | 0.517% |
| 44 | 9.469  | 1247 | 1254 | 1256 | rBV6 | 118762 | 240996  | 17.68% | 1.005% |
| 45 | 9.533  | 1260 | 1265 | 1268 | rVV3 | 261738 | 464597  | 34.09% | 1.937% |
| 46 | 9.592  | 1272 | 1275 | 1278 | rVB2 | 114452 | 130659  | 9.59%  | 0.545% |
| 47 | 9.681  | 1286 | 1290 | 1293 | rBV5 | 53207  | 86714   | 6.36%  | 0.362% |
| 48 | 9.745  | 1296 | 1301 | 1305 | rVV  | 523437 | 696759  | 51.12% | 2.905% |
| 49 | 9.810  | 1305 | 1312 | 1317 | rVV  | 517682 | 778254  | 57.10% | 3.244% |
| 50 | 9.916  | 1328 | 1330 | 1335 | rVB3 | 50302  | 55661   | 4.08%  | 0.232% |
| 51 | 9.975  | 1336 | 1340 | 1342 | rBV  | 85349  | 132786  | 9.74%  | 0.554% |
| 52 | 10.063 | 1351 | 1355 | 1359 | rBV4 | 140852 | 192273  | 14.11% | 0.802% |
| 53 | 10.133 | 1364 | 1367 | 1372 | rBV5 | 49891  | 94360   | 6.92%  | 0.393% |
| 54 | 10.239 | 1381 | 1385 | 1392 | rBV  | 523847 | 674324  | 49.47% | 2.811% |
| 55 | 10.463 | 1418 | 1423 | 1428 | rVB  | 240859 | 380752  | 27.93% | 1.587% |
| 56 | 10.522 | 1429 | 1433 | 1436 | rVV2 | 82290  | 146766  | 10.77% | 0.612% |
| 57 | 10.604 | 1440 | 1447 | 1458 | rVB2 | 422686 | 699232  | 51.30% | 2.915% |
| 58 | 10.716 | 1462 | 1466 | 1474 | rVB  | 632900 | 1024839 | 75.19% | 4.272% |
| 59 | 11.163 | 1538 | 1542 | 1545 | rBV  | 453446 | 609089  | 44.69% | 2.539% |
| 60 | 11.192 | 1545 | 1547 | 1553 | rVB2 | 248946 | 304446  | 22.34% | 1.269% |
| 61 | 11.298 | 1561 | 1565 | 1577 | rBV2 | 454494 | 799430  | 58.65% | 3.333% |
| 62 | 11.586 | 1610 | 1614 | 1619 | rBV  | 362776 | 443791  | 32.56% | 1.850% |
| 63 | 11.686 | 1628 | 1631 | 1638 | rVB2 | 80747  | 113007  | 8.29%  | 0.471% |
| 64 | 11.833 | 1652 | 1656 | 1662 | rVB  | 343976 | 474556  | 34.82% | 1.978% |
| 65 | 11.992 | 1679 | 1683 | 1688 | rBV  | 291058 | 356061  | 26.12% | 1.484% |
| 66 | 12.274 | 1729 | 1731 | 1739 | rVB3 | 62664  | 91890   | 6.74%  | 0.383% |
| 67 | 12.380 | 1744 | 1749 | 1761 | rVB3 | 427459 | 872176  | 63.99% | 3.636% |
| 68 | 12.539 | 1769 | 1776 | 1784 | rBV4 | 201830 | 482298  | 35.38% | 2.011% |
| 69 | 12.616 | 1785 | 1789 | 1795 | rBV  | 237848 | 356110  | 26.13% | 1.485% |
| 70 | 12.751 | 1807 | 1812 | 1817 | rVB2 | 218978 | 336099  | 24.66% | 1.401% |
| 71 | 12.880 | 1829 | 1834 | 1843 | rVB  | 724980 | 971364  | 71.27% | 4.050% |
| 72 | 13.110 | 1869 | 1873 | 1881 | rBV  | 149365 | 224546  | 16.47% | 0.936% |
| 73 | 13.451 | 1928 | 1931 | 1935 | rVB  | 108916 | 124718  | 9.15%  | 0.520% |
| 74 | 13.939 | 2010 | 2014 | 2024 | rVB  | 348874 | 506487  | 37.16% | 2.111% |
| 75 | 15.386 | 2256 | 2260 | 2267 | rVB2 | 303119 | 508132  | 37.28% | 2.118% |

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Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

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-BF020625.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

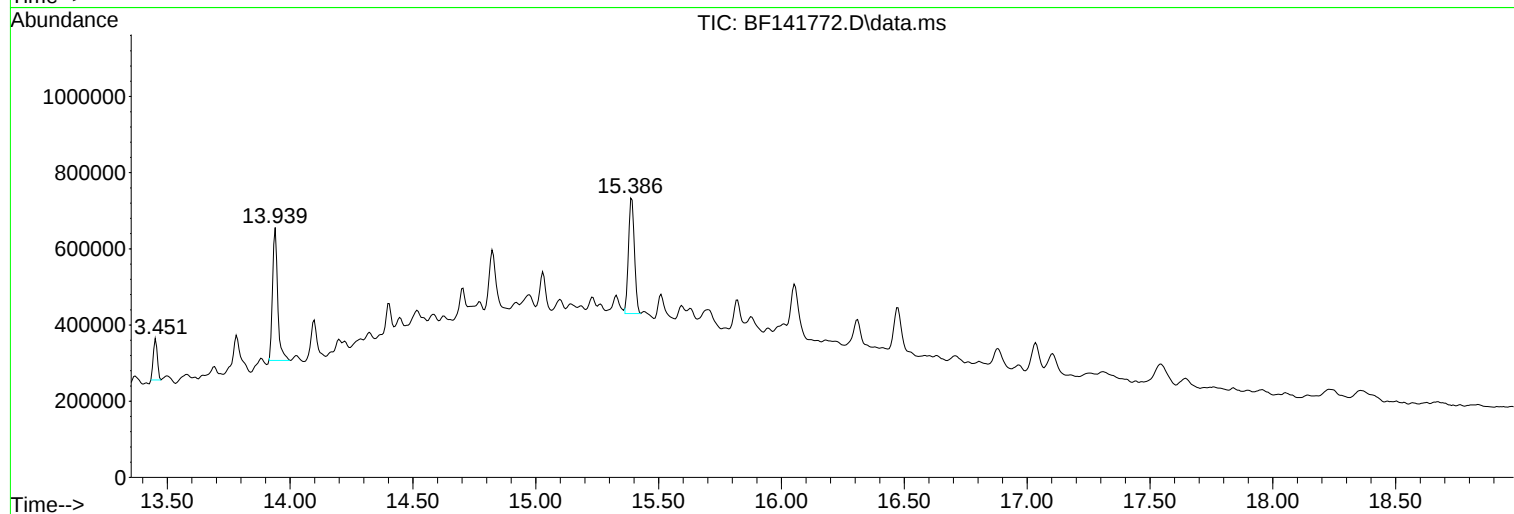
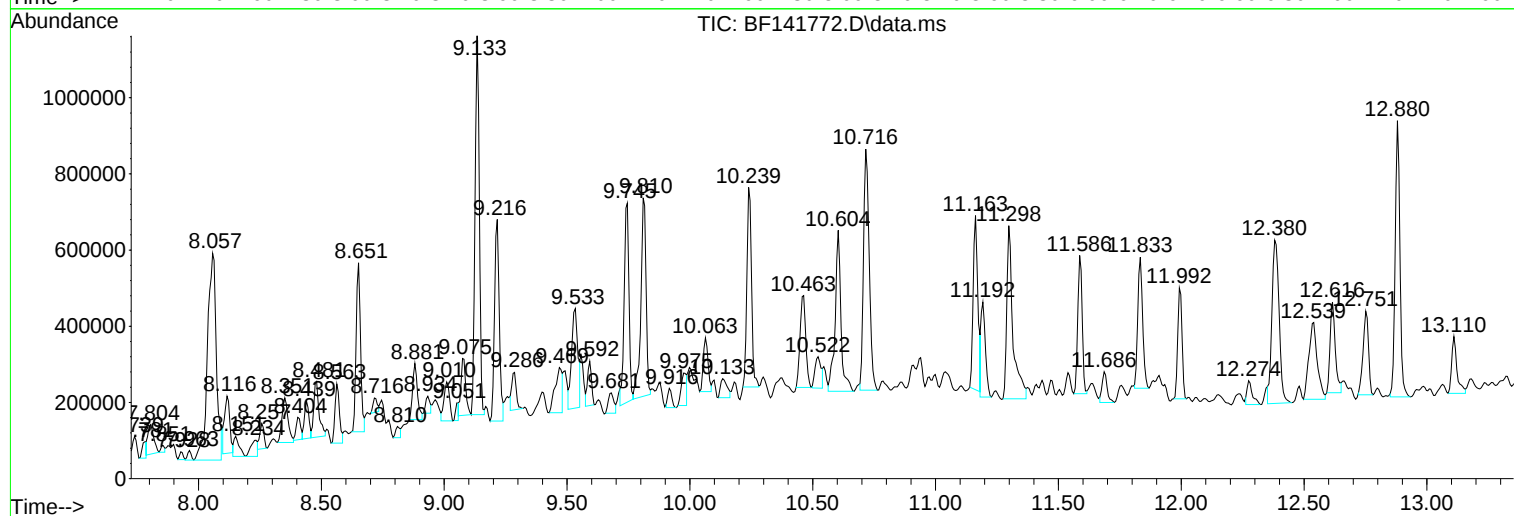
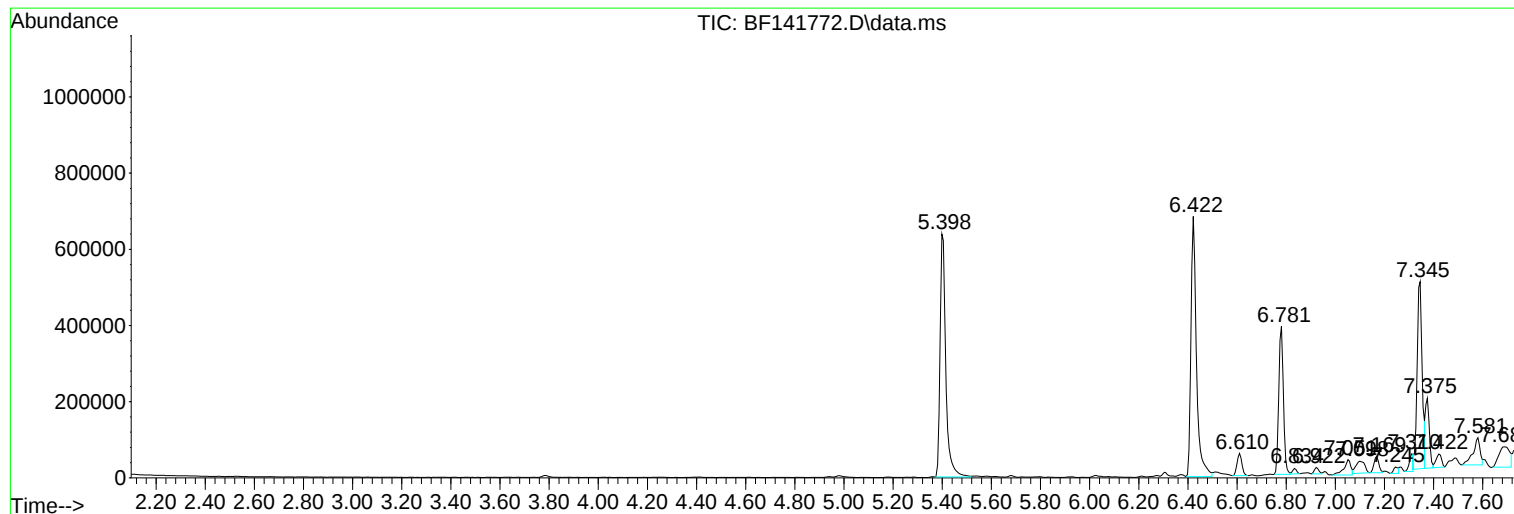
Sum of corrected areas: 23987138

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
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Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

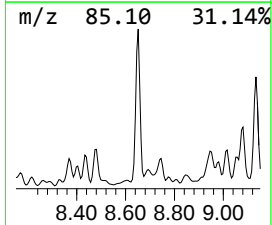
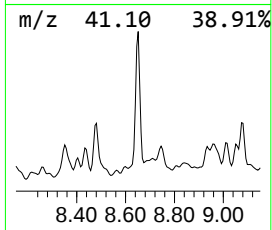
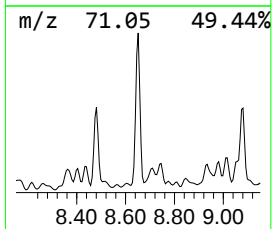
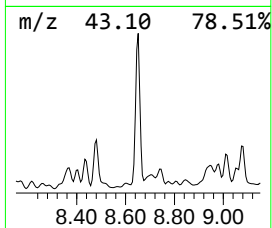
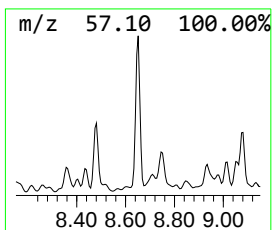
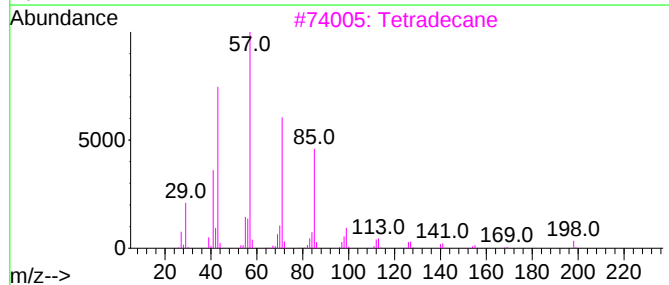
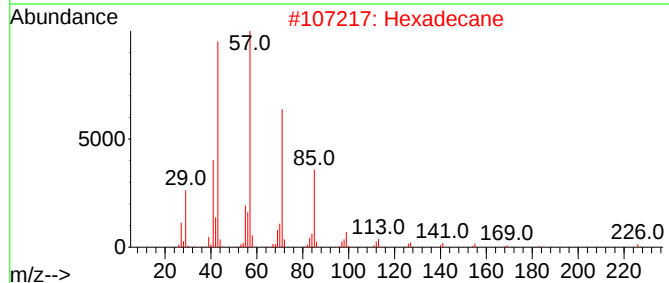
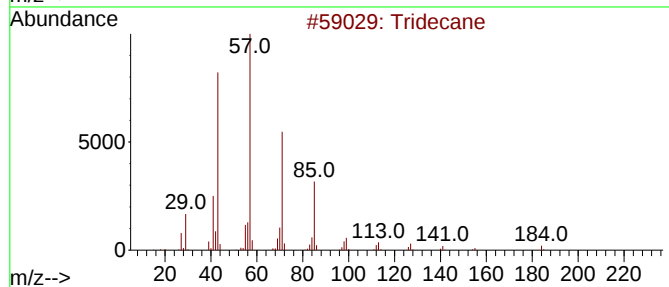
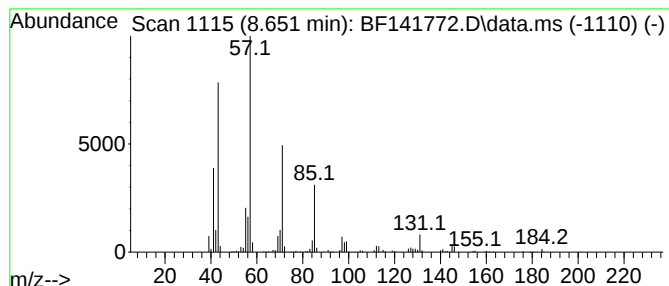
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Tridecane Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.651 | 8.19 ng | 558465 | Naphthalene-d8   | 8.063 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane               | 184 | C13H28  | 000629-50-5 | 96   |
| 2    |    |   | Hexadecane              | 226 | C16H34  | 000544-76-3 | 83   |
| 3    |    |   | Tetradecane             | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    |   | Undecane, 4,8-dimethyl- | 184 | C13H28  | 017301-33-6 | 64   |
| 5    |    |   | Undecane                | 156 | C11H24  | 001120-21-4 | 64   |



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Instrument :  
BNA\_F  
ClientSampleId :  
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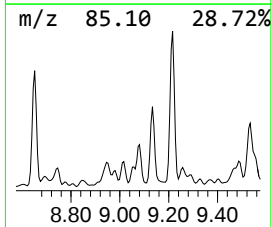
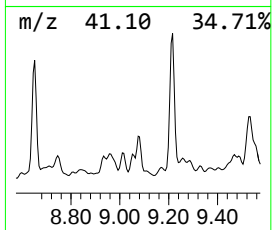
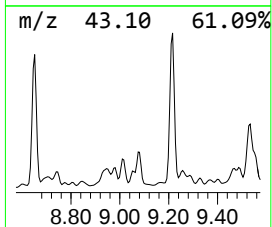
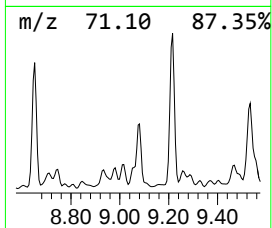
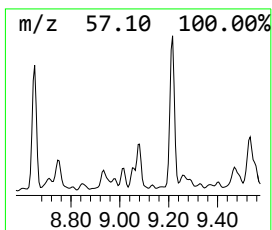
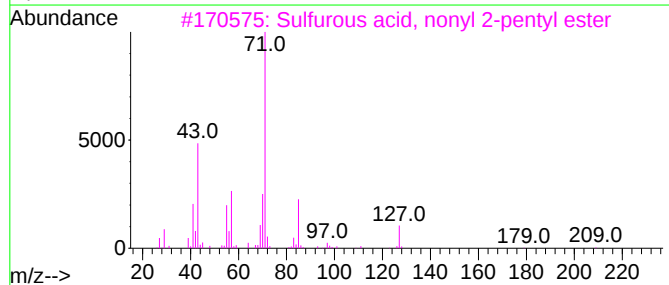
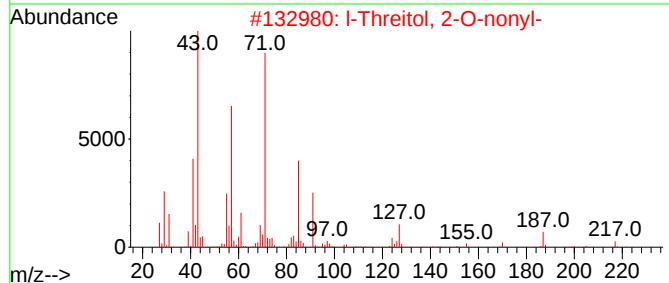
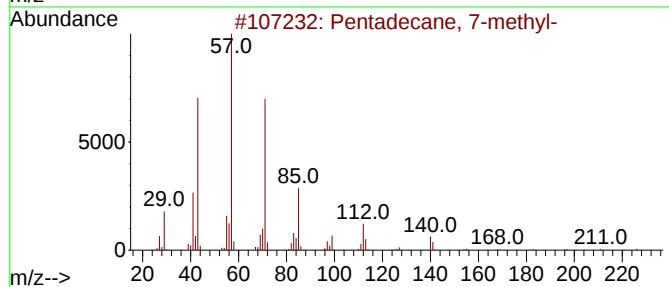
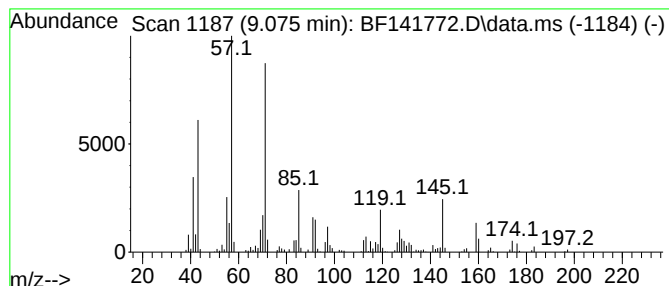
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown9.075 Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.075 | 5.22 ng | 203276 | Acenaphthene-d10 | 9.816 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Pentadecane, 7-methyl-              | 226 | C16H34    | 006165-40-8  | 47   |
| 2    |    |   | l-Threitol, 2-O-nonyl-              | 248 | C13H28O4  | 163776-15-6  | 43   |
| 3    |    |   | Sulfurous acid, nonyl 2-pentyl e... | 278 | C14H30O3S | 1010309-15-8 | 43   |
| 4    |    |   | Sulfurous acid, nonyl pentyl ester  | 278 | C14H30O3S | 1000309-14-2 | 43   |
| 5    |    |   | Octane, 2,3,6-trimethyl-            | 156 | C11H24    | 062016-33-5  | 43   |



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Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

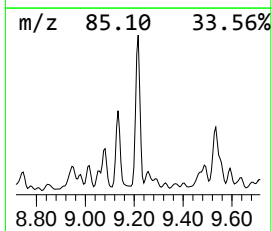
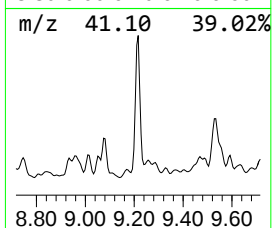
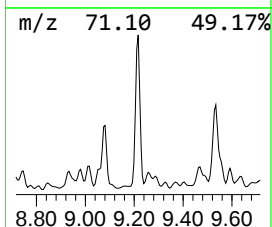
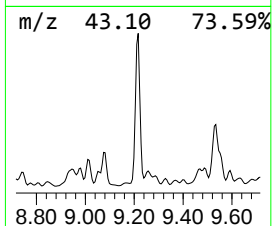
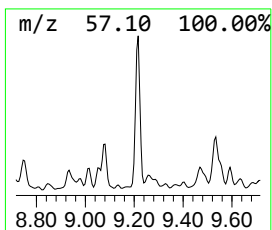
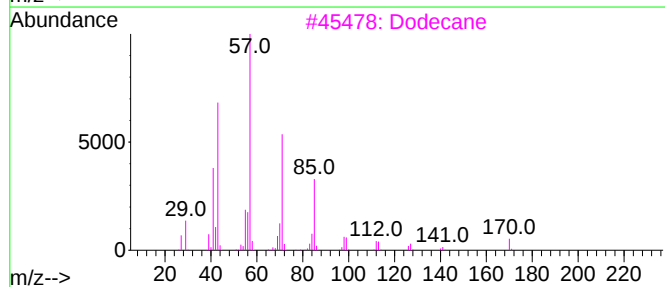
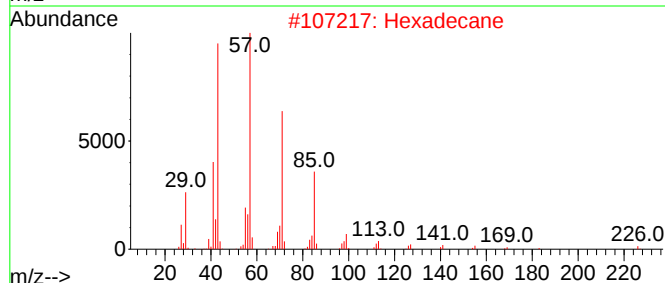
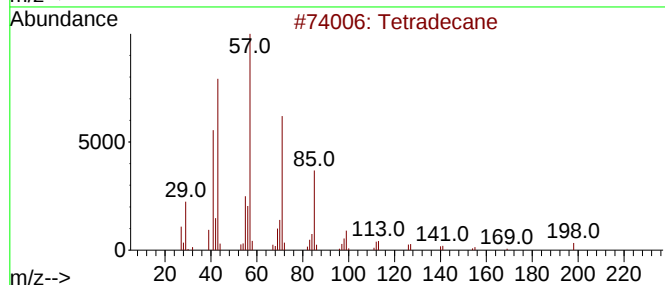
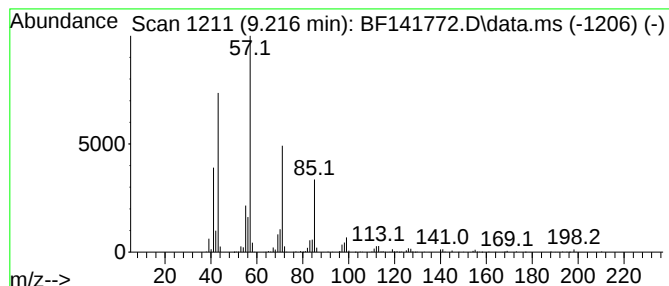
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Tetradecane Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.216 | 18.45 ng | 717948 | Acenaphthene-d10 | 9.816 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 87   |
| 2    |    |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 87   |
| 3    |    |   | Dodecane                 | 170 | C12H26  | 000112-40-3 | 86   |
| 4    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 86   |
| 5    |    |   | Tridecane, 7-propyl-     | 226 | C16H34  | 055045-09-5 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

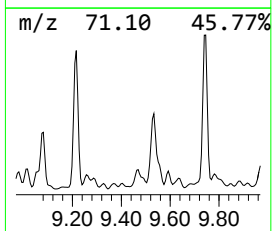
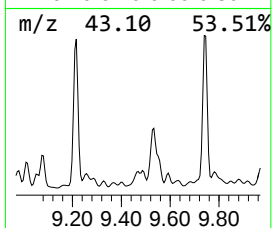
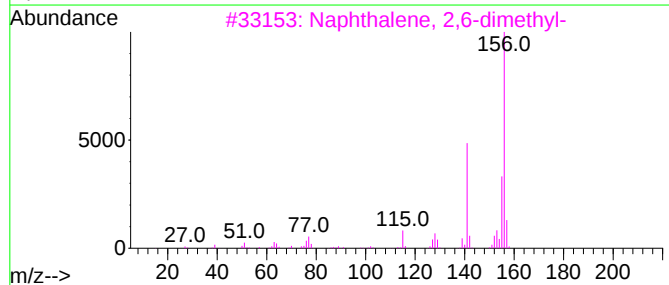
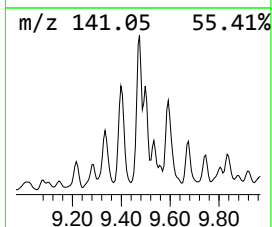
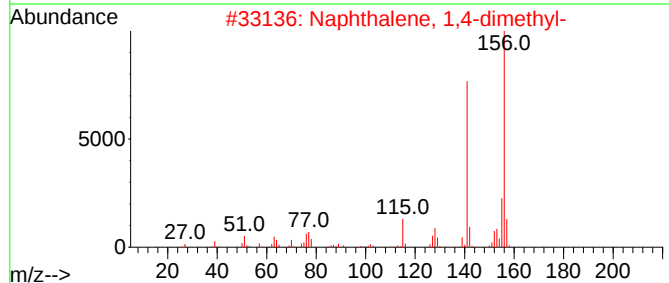
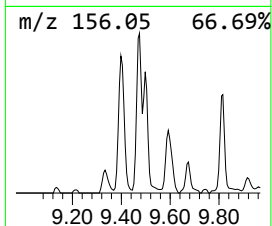
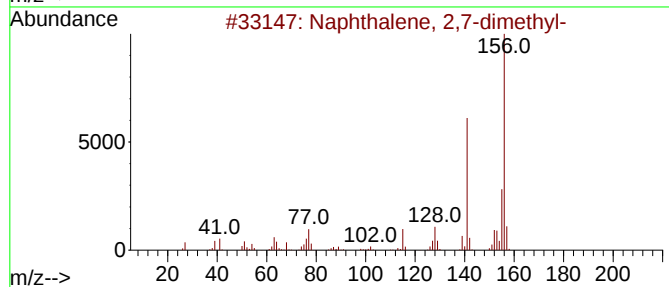
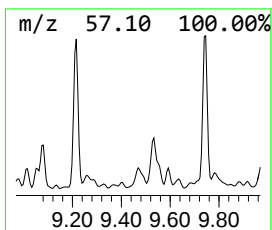
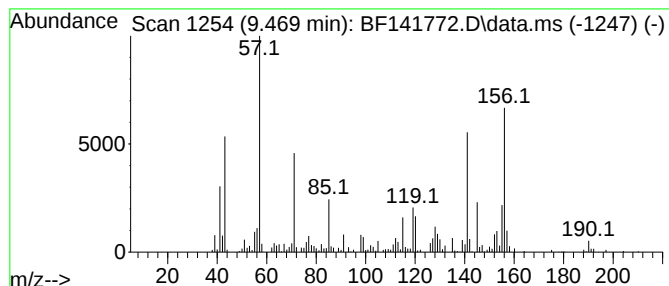
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.469 | 6.19 ng | 240996 | Acenaphthene-d10 | 9.816 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 91   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 91   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 90   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 90   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

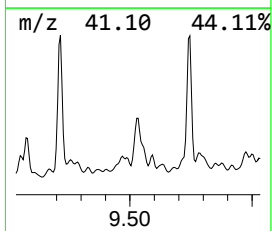
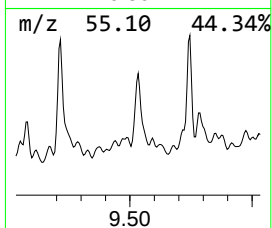
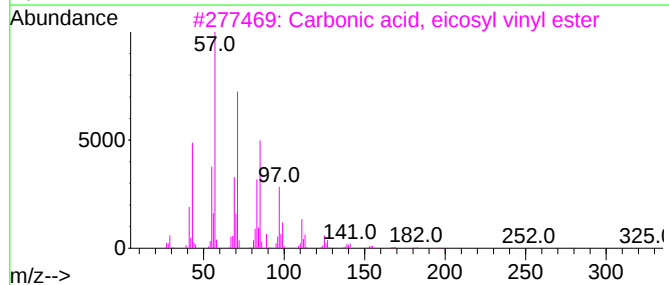
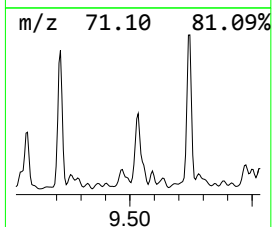
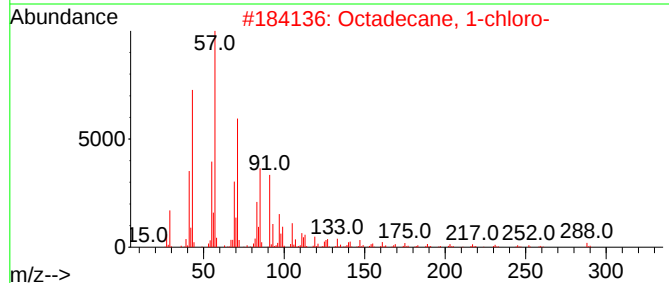
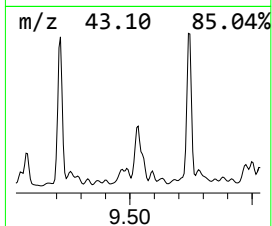
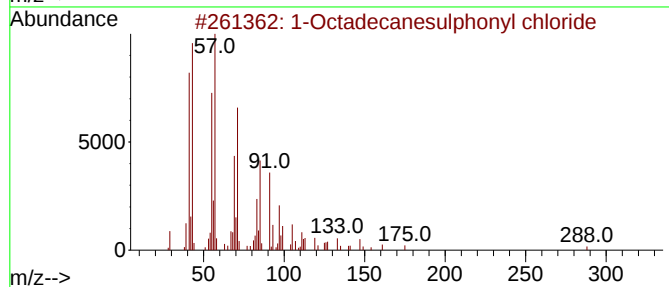
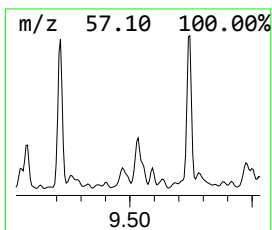
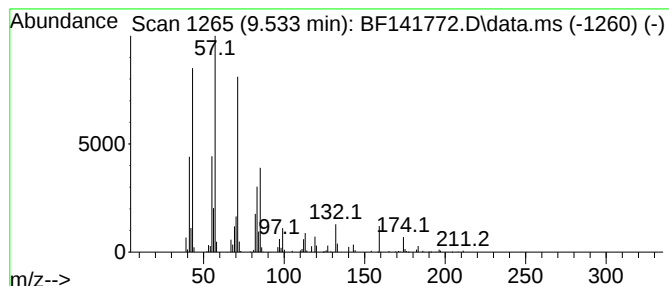
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Peak Number 5 1-Octadecanesulphonyl chloride Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.533 | 11.94 ng | 464597 | Acenaphthene-d10 | 9.816 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm     | CAS#         | Qual |
|------|------|------------------------------------|-----|-------------|--------------|------|
| 1    |      | 1-Octadecanesulphonyl chloride     | 352 | C18H37ClO2S | 1000342-70-4 | 86   |
| 2    |      | Octadecane, 1-chloro-              | 288 | C18H37Cl    | 003386-33-2  | 86   |
| 3    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3    | 1000382-54-3 | 80   |
| 4    |      | Tetradecane, 1-iodo-               | 324 | C14H29I     | 019218-94-1  | 72   |
| 5    |      | Tetradecane                        | 198 | C14H30      | 000629-59-4  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

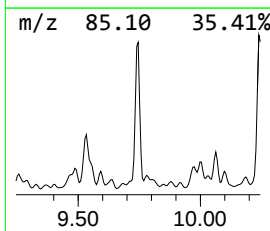
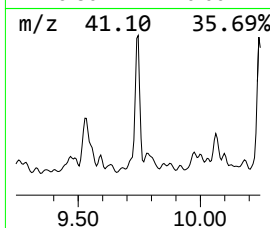
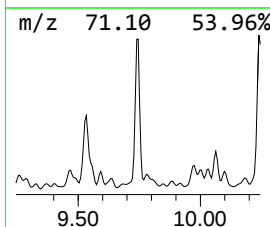
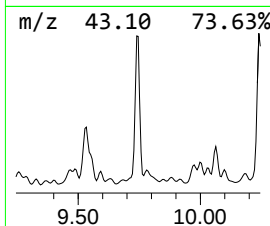
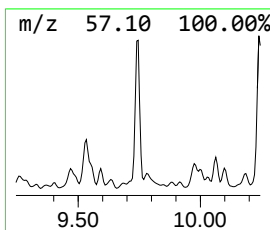
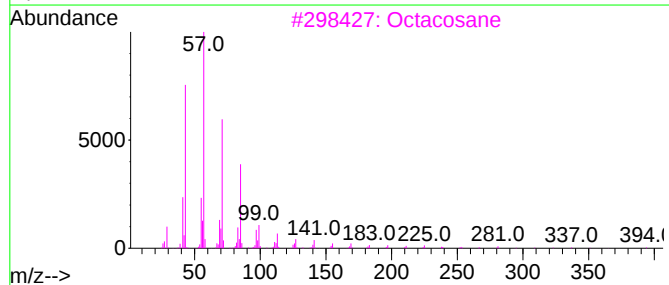
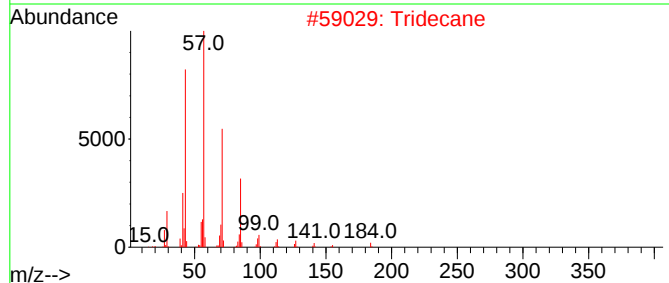
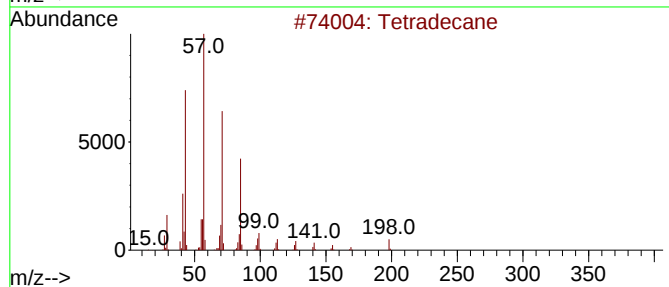
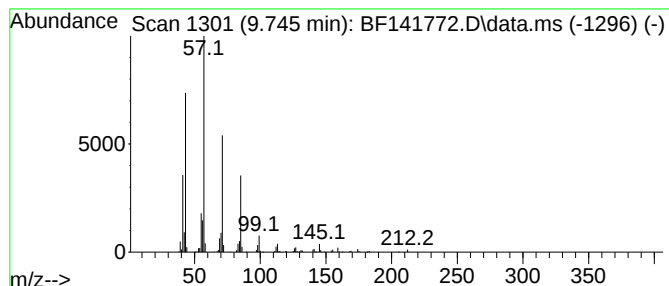
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octacosane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.745 | 17.91 ng | 696759 | Acenaphthene-d10 | 9.816 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Tetradecane          | 198 | C14H30  | 000629-59-4 | 90   |
| 2    |      | Tridecane            | 184 | C13H28  | 000629-50-5 | 90   |
| 3    |      | Octacosane           | 394 | C28H58  | 000630-02-4 | 83   |
| 4    |      | Hexadecane           | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |      | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

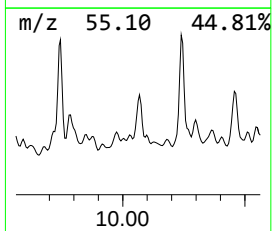
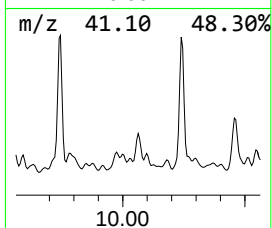
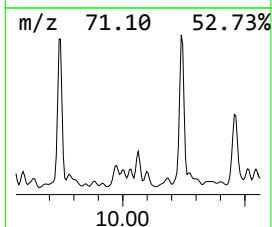
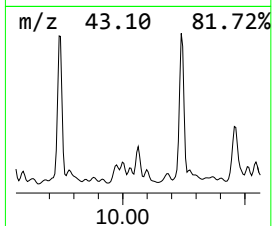
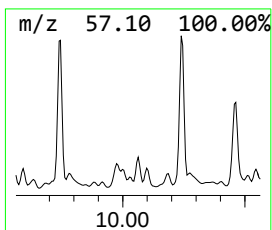
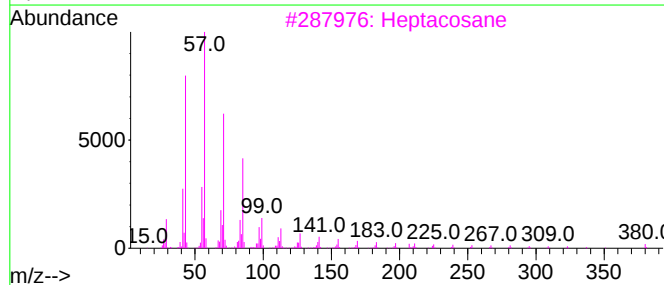
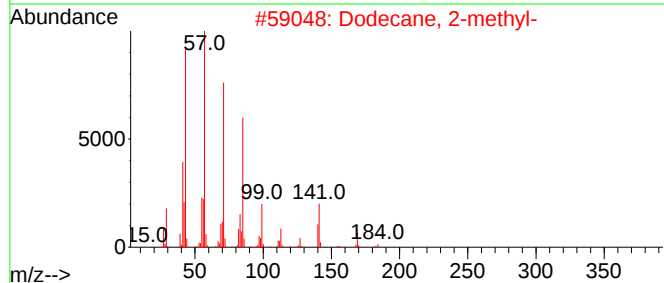
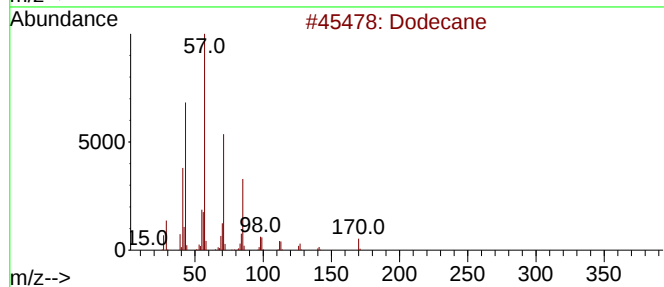
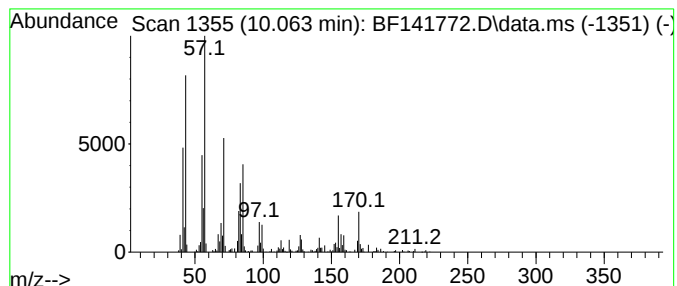
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Dodecane Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.063 | 4.94 ng | 192273 | Acenaphthene-d10 | 9.816 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane            | 170 | C12H26  | 000112-40-3 | 68   |
| 2    |    |   | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0 | 64   |
| 3    |    |   | Heptacosane         | 380 | C27H56  | 000593-49-7 | 64   |
| 4    |    |   | Nonadecane          | 268 | C19H40  | 000629-92-5 | 64   |
| 5    |    |   | Tridecane           | 184 | C13H28  | 000629-50-5 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

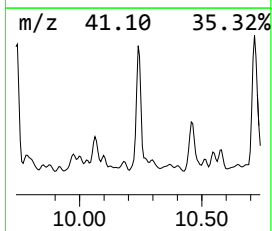
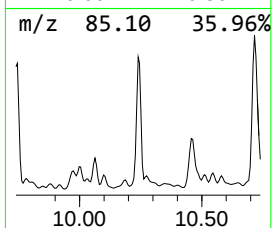
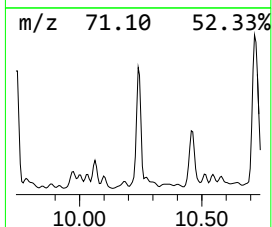
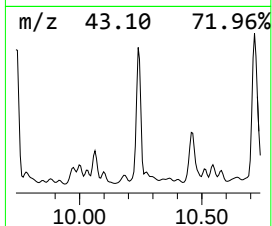
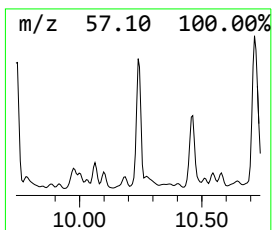
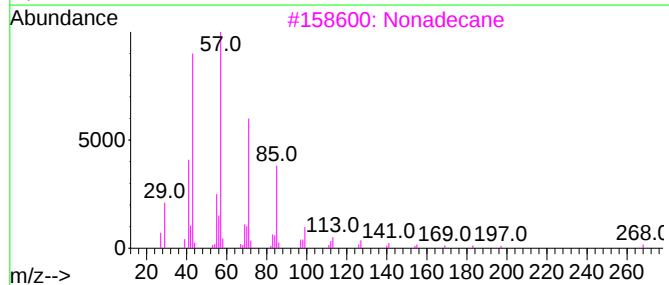
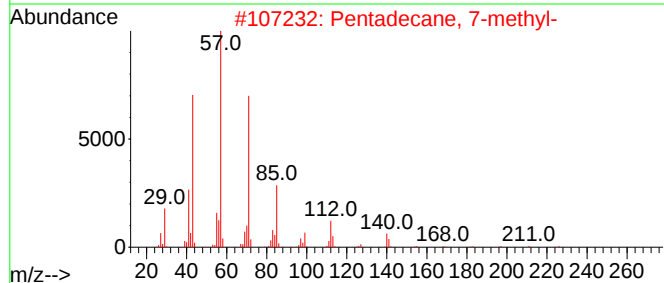
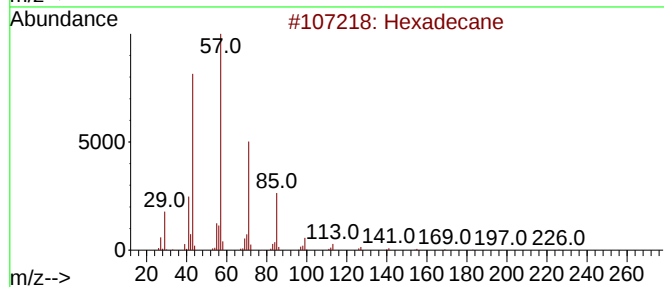
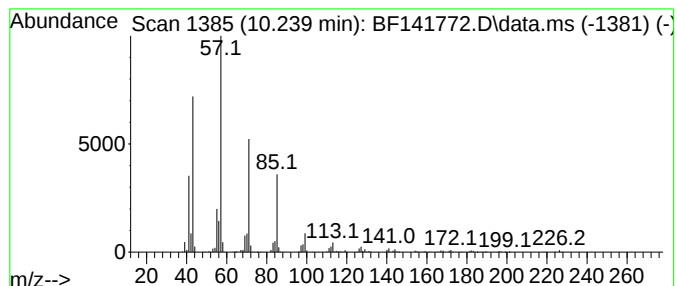
Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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 8 Hexadecane Concentration Rank 5

| R.T.      | EstConc                | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------|--------|------------------|---------|-------------|------|
| 10.239    | 17.33 ng               | 674324 | Acenaphthene-d10 |         | 9.816       |      |
| Hit# of 5 | Tentative ID           |        | MW               | MolForm | CAS#        | Qual |
| 1         | Hexadecane             |        | 226              | C16H34  | 000544-76-3 | 97   |
| 2         | Pentadecane, 7-methyl- |        | 226              | C16H34  | 006165-40-8 | 91   |
| 3         | Nonadecane             |        | 268              | C19H40  | 000629-92-5 | 91   |
| 4         | Tetradecane            |        | 198              | C14H30  | 000629-59-4 | 90   |
| 5         | Tridecane              |        | 184              | C13H28  | 000629-50-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

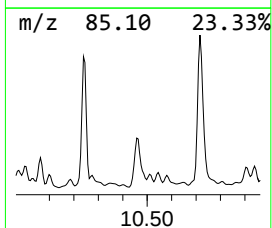
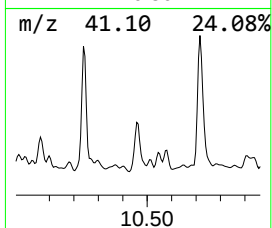
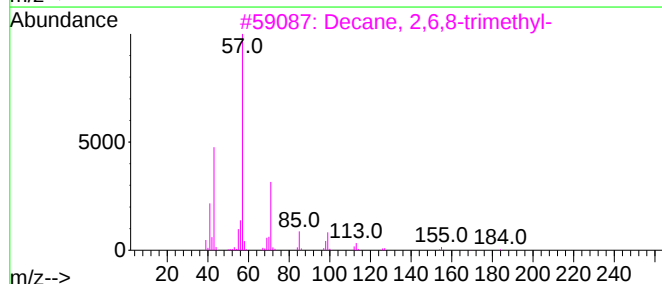
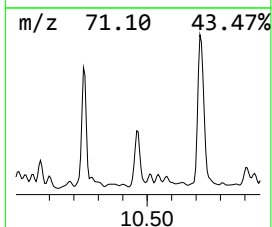
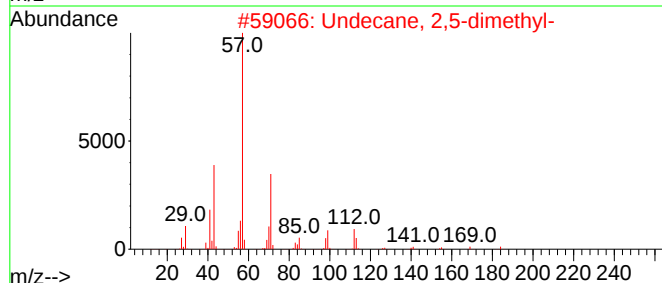
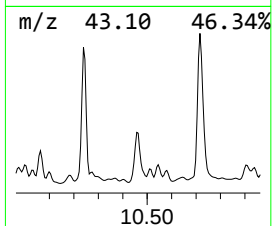
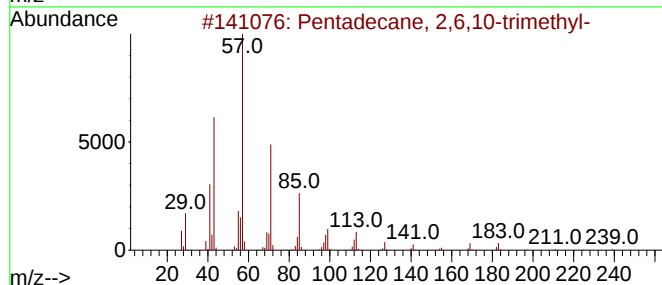
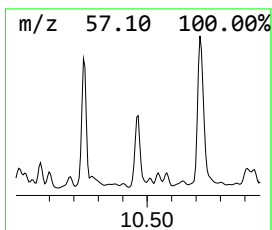
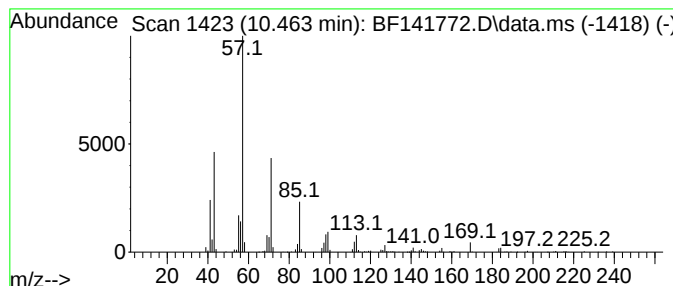
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 11

| R.T.      | EstConc                        | Area   | Relative to ISTD |         |             | R.T.  |
|-----------|--------------------------------|--------|------------------|---------|-------------|-------|
| 10.463    | 9.78 ng                        | 380752 | Acenaphthene-d10 |         |             | 9.816 |
| Hit# of 5 | Tentative ID                   |        | MW               | MolForm | CAS#        | Qual  |
| 1         | Pentadecane, 2,6,10-trimethyl- |        | 254              | C18H38  | 003892-00-0 | 90    |
| 2         | Undecane, 2,5-dimethyl-        |        | 184              | C13H28  | 017301-22-3 | 76    |
| 3         | Decane, 2,6,8-trimethyl-       |        | 184              | C13H28  | 062108-26-3 | 68    |
| 4         | Tetracosane                    |        | 338              | C24H50  | 000646-31-1 | 64    |
| 5         | Heneicosane                    |        | 296              | C21H44  | 000629-94-7 | 64    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
OK-01-022425

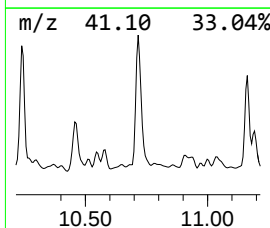
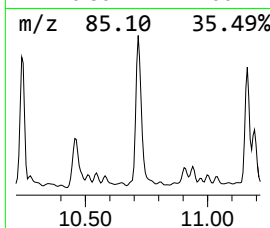
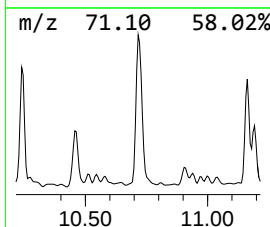
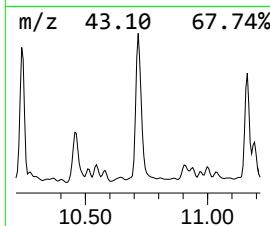
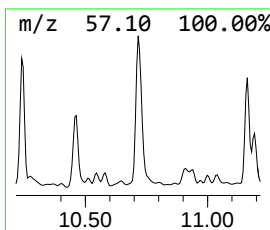
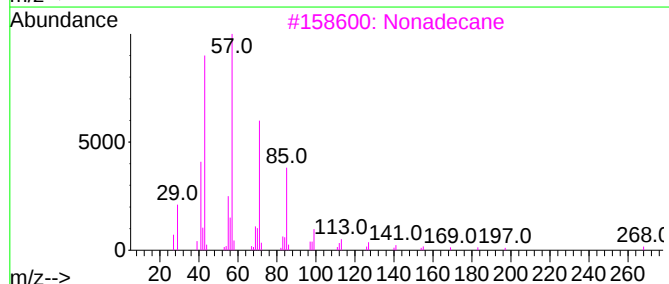
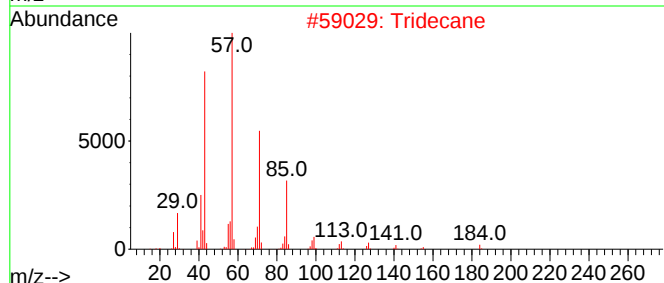
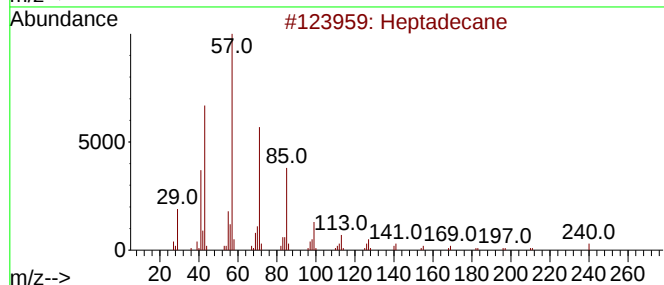
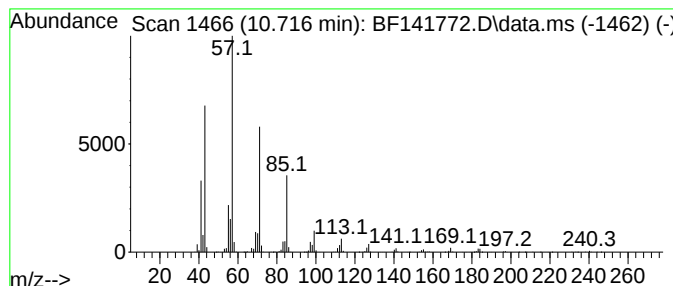
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Heptadecane Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.716 | 25.64 ng | 1024840 | Phenanthrene-d10 | 11.298 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Heptadecane  | 240 | C17H36  | 000629-78-7 | 95   |
| 2    |      | Tridecane    | 184 | C13H28  | 000629-50-5 | 93   |
| 3    |      | Nonadecane   | 268 | C19H40  | 000629-92-5 | 91   |
| 4    |      | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |      | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
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ALS Vial : 19 Sample Multiplier: 1

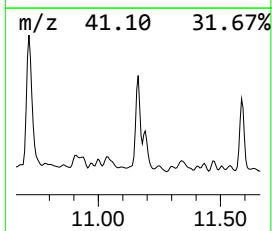
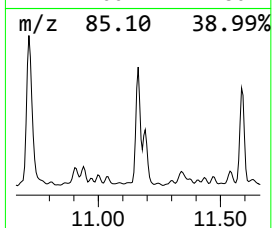
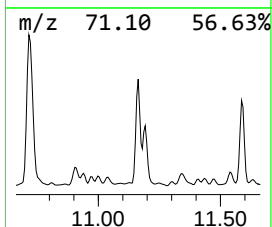
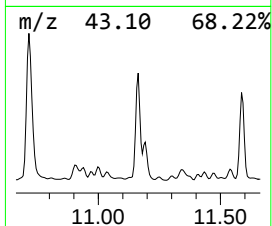
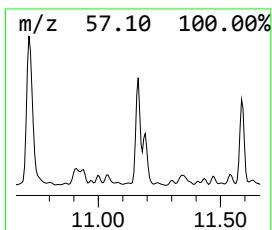
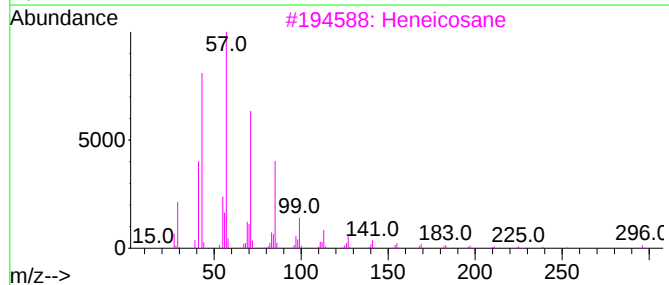
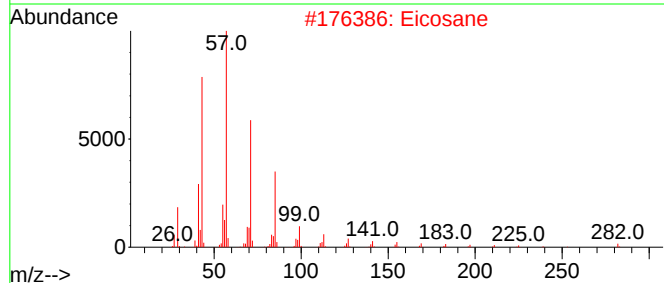
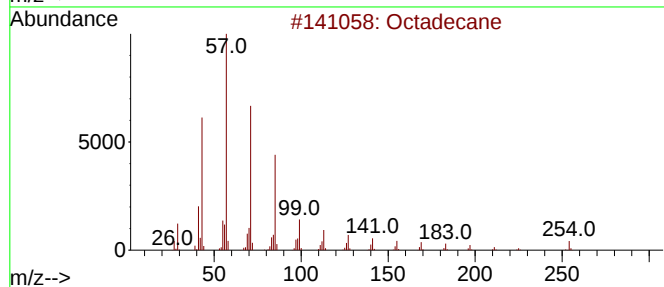
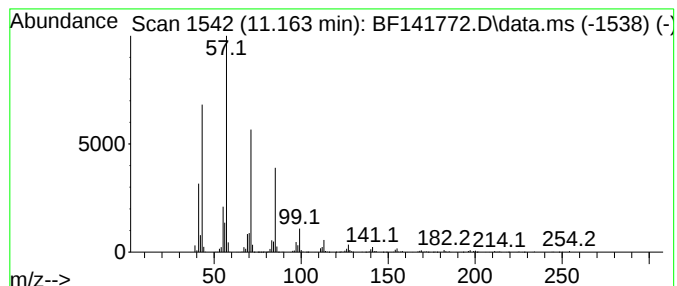
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OK-01-022425

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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 Octadecane Concentration Rank 6

| R.T.      | EstConc      | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|--------------|--------|------------------|---------|-------------|------|
| 11.163    | 15.24 ng     | 609089 | Phenanthrene-d10 |         | 11.298      |      |
| Hit# of 5 | Tentative ID |        | MW               | MolForm | CAS#        | Qual |
| 1         | Octadecane   |        | 254              | C18H38  | 000593-45-3 | 94   |
| 2         | Eicosane     |        | 282              | C20H42  | 000112-95-8 | 91   |
| 3         | Heneicosane  |        | 296              | C21H44  | 000629-94-7 | 90   |
| 4         | Hexadecane   |        | 226              | C16H34  | 000544-76-3 | 90   |
| 5         | Heptacosane  |        | 380              | C27H56  | 000593-49-7 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

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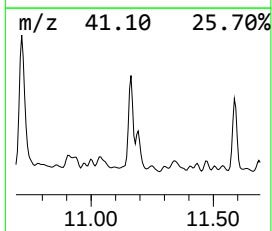
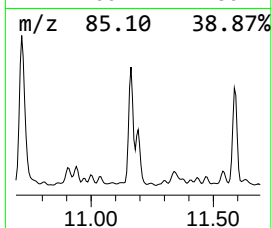
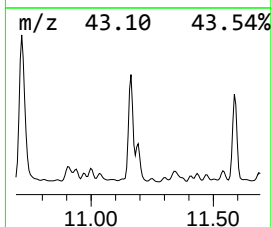
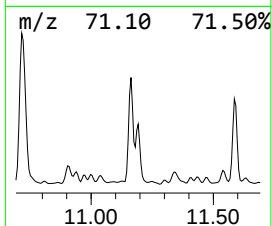
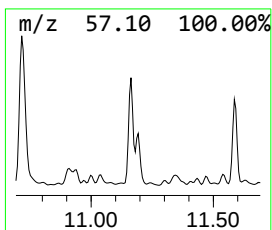
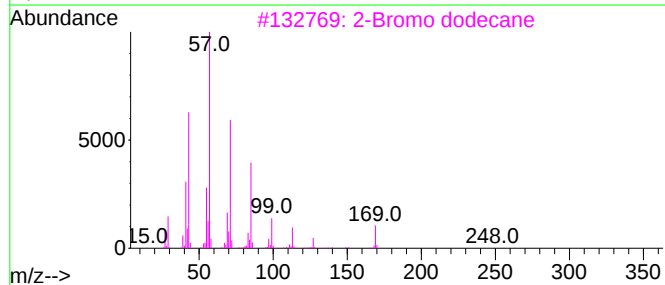
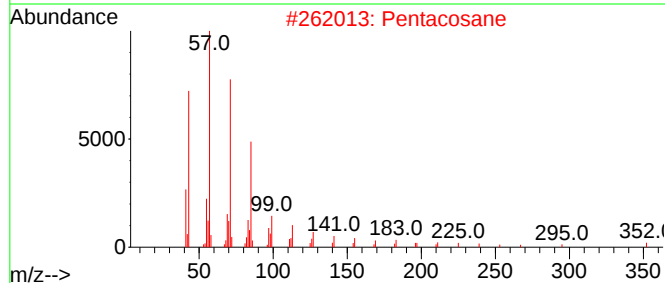
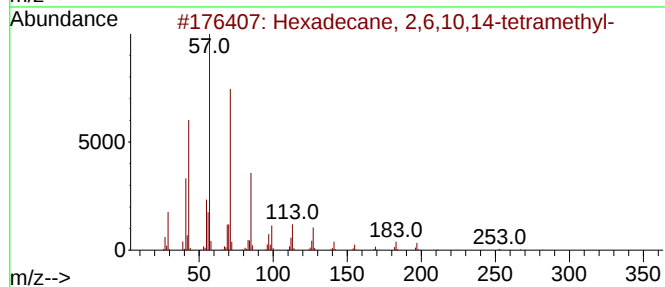
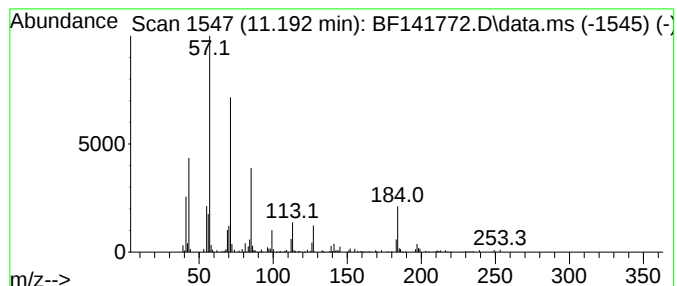
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Hexadecane, 2,6,10,14-tetra... Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.192 | 7.62 ng | 304446 | Phenanthrene-d10 | 11.298 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42   | 000638-36-8 | 87   |
| 2    |      | Pentacosane                         | 352 | C25H52   | 000629-99-2 | 72   |
| 3    |      | 2-Bromo dodecane                    | 248 | C12H25Br | 013187-99-0 | 70   |
| 4    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 64   |
| 5    |      | 5,5-Dibutylnonane                   | 240 | C17H36   | 006008-17-9 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
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Operator : RC/JU  
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ALS Vial : 19 Sample Multiplier: 1

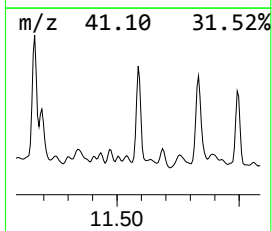
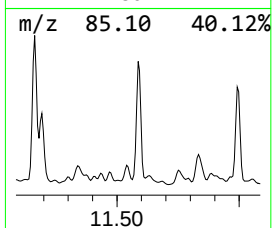
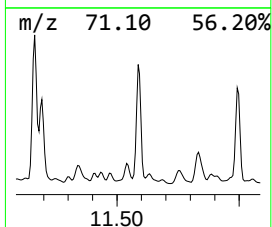
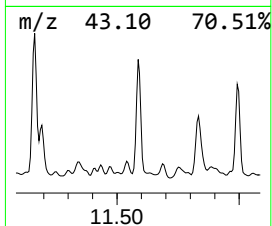
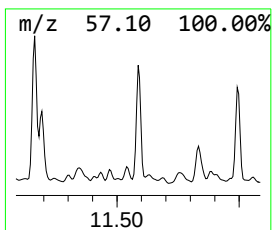
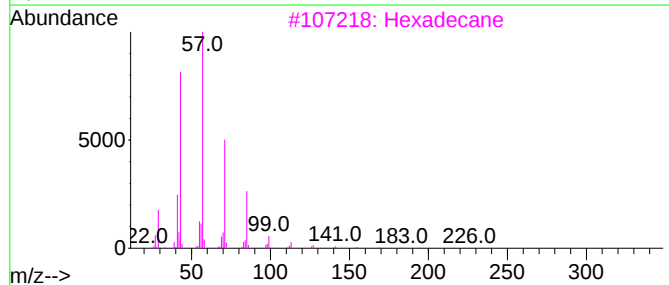
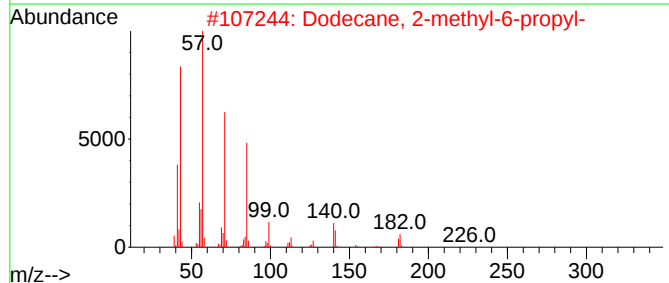
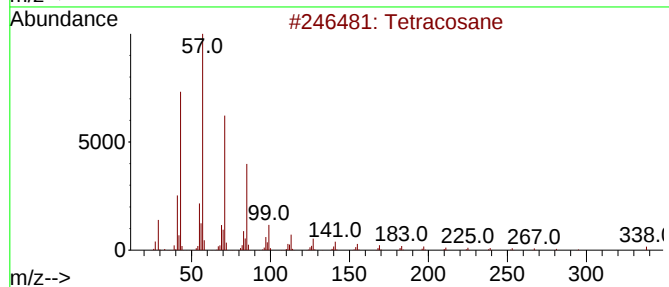
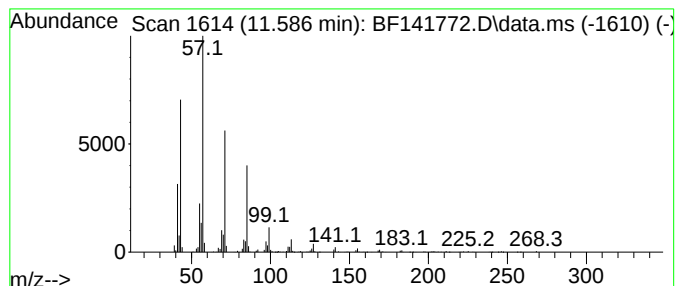
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Tetracosane Concentration Rank 10

| R.T.      | EstConc                      | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|------------------------------|--------|------------------|---------|-------------|------|
| 11.586    | 11.10 ng                     | 443791 | Phenanthrene-d10 |         | 11.298      |      |
| Hit# of 5 | Tentative ID                 |        | MW               | MolForm | CAS#        | Qual |
| 1         | Tetracosane                  |        | 338              | C24H50  | 000646-31-1 | 91   |
| 2         | Dodecane, 2-methyl-6-propyl- |        | 226              | C16H34  | 055045-08-4 | 90   |
| 3         | Hexadecane                   |        | 226              | C16H34  | 000544-76-3 | 90   |
| 4         | Heneicosane                  |        | 296              | C21H44  | 000629-94-7 | 90   |
| 5         | Pentadecane                  |        | 212              | C15H32  | 000629-62-9 | 87   |



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Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

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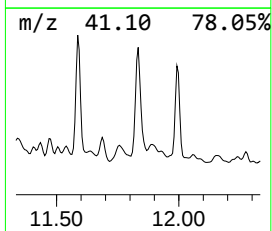
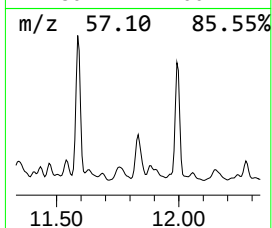
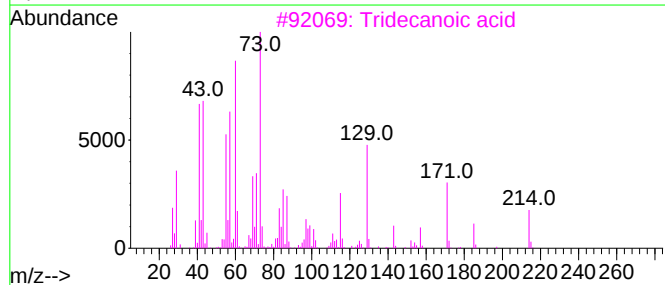
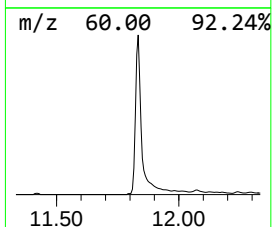
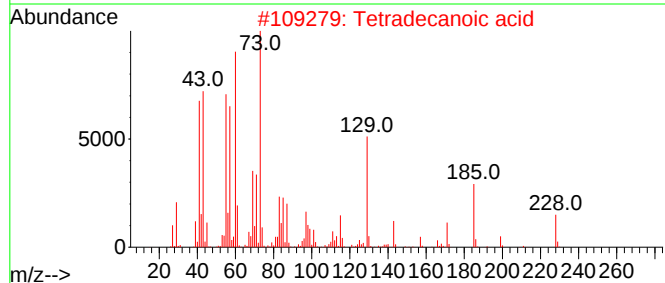
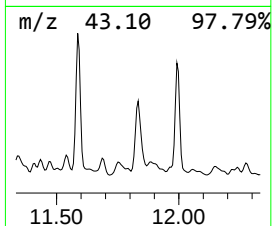
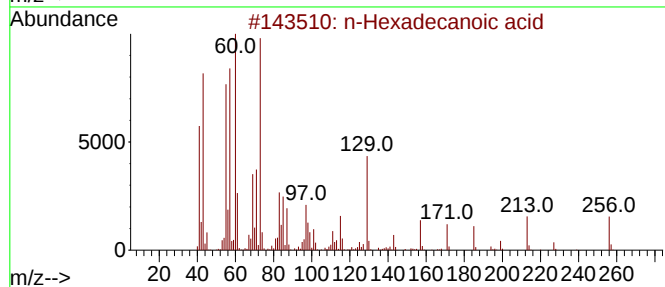
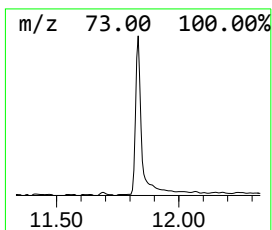
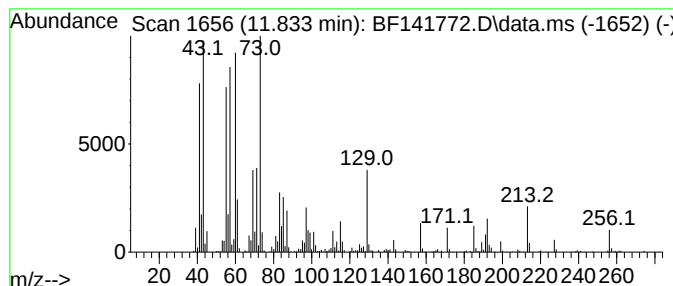
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 n-Hexadecanoic acid Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.833 | 11.87 ng | 474556 | Phenanthrene-d10 | 11.298 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 94   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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

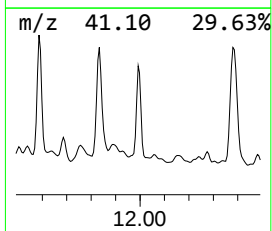
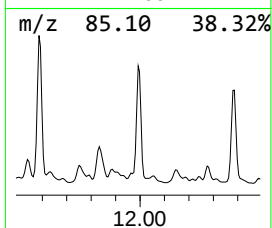
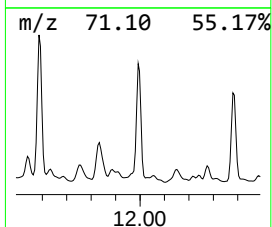
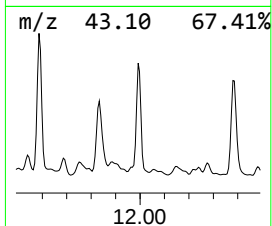
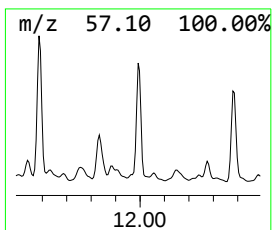
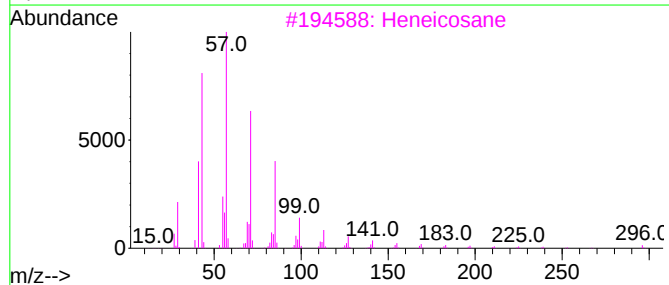
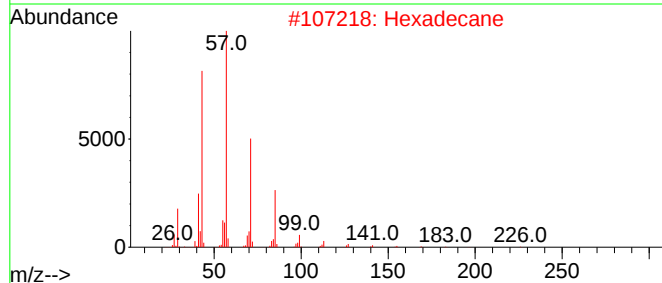
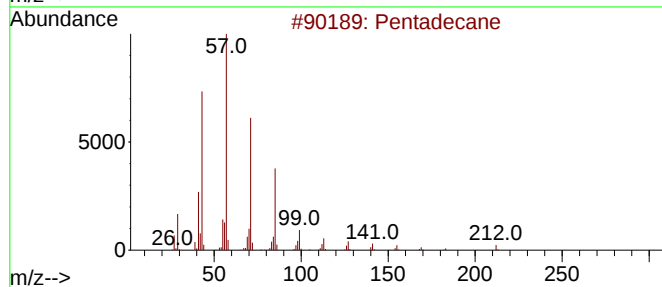
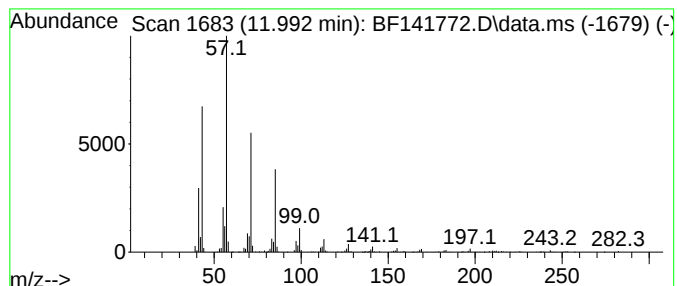
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Pentadecane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.992 | 8.91 ng | 356061 | Phenanthrene-d10 | 11.298 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane          | 212 | C15H32  | 000629-62-9 | 95   |
| 2    |    |   | Hexadecane           | 226 | C16H34  | 000544-76-3 | 94   |
| 3    |    |   | Heneicosane          | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    |   | Nonadecane           | 268 | C19H40  | 000629-92-5 | 87   |
| 5    |    |   | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

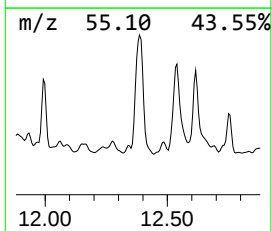
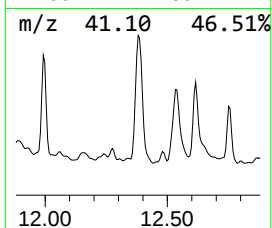
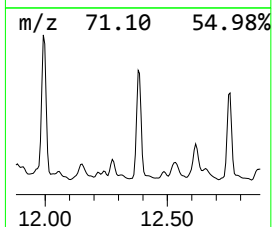
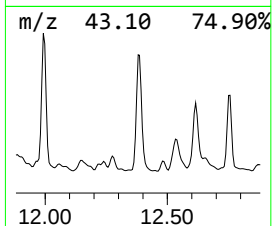
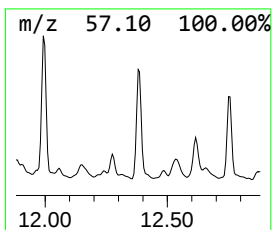
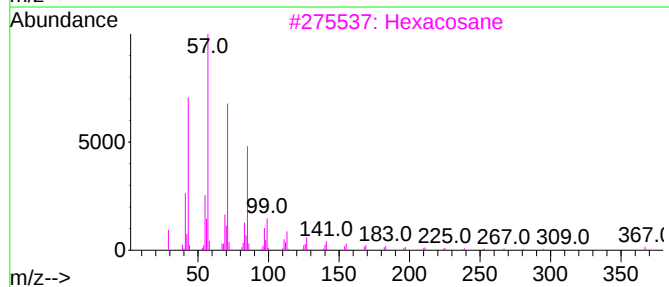
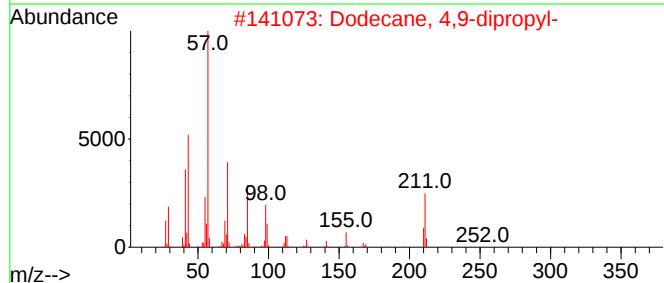
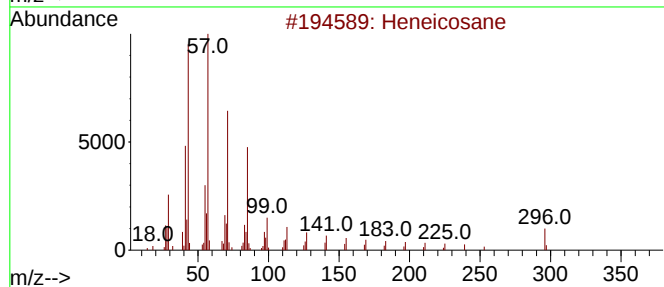
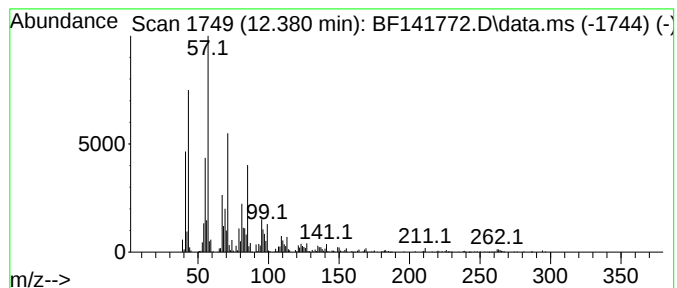
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heneicosane Concentration Rank 2

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.380 | 21.82 ng | 872176 | Phenanthrene-d10 | 11.298 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane             | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    |   | Dodecane, 4,9-dipropyl- | 254 | C18H38  | 003054-63-5 | 70   |
| 3    |    |   | Hexacosane              | 366 | C26H54  | 000630-01-3 | 62   |
| 4    |    |   | Heptacosane             | 380 | C27H56  | 000593-49-7 | 62   |
| 5    |    |   | Tetradecane             | 198 | C14H30  | 000629-59-4 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

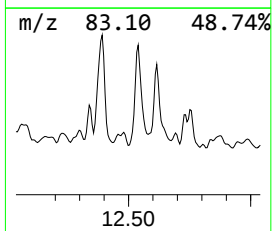
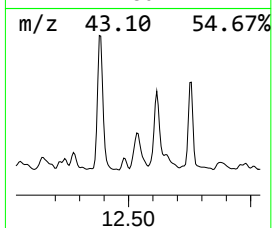
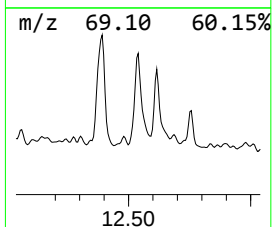
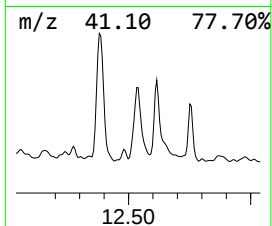
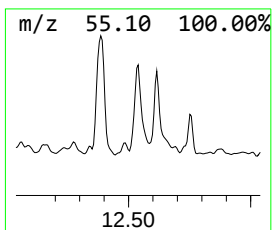
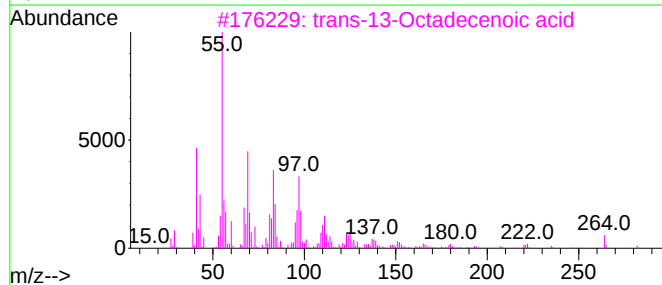
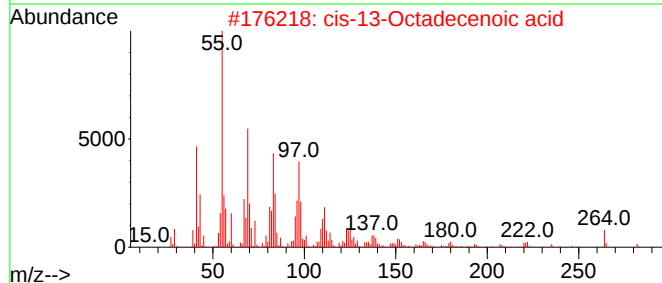
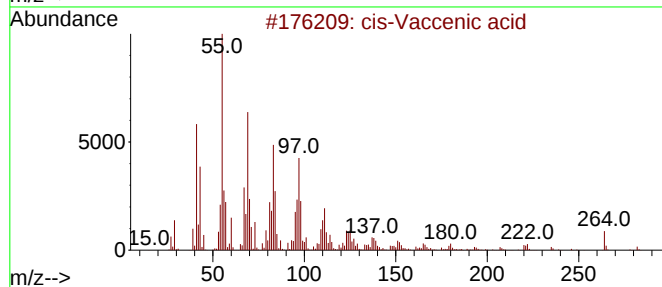
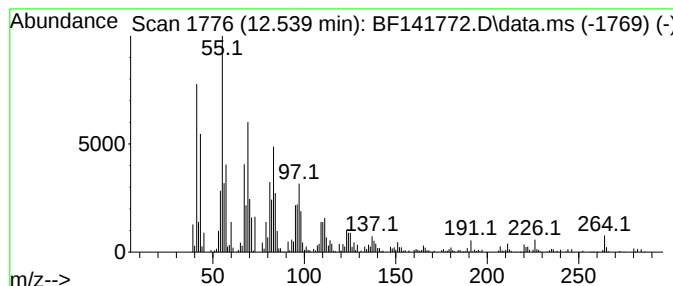
Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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 17 cis-Vaccenic acid Concentration Rank 7

| R.T.      | EstConc                    | Area   | Relative to ISTD |          |             | R.T.   |
|-----------|----------------------------|--------|------------------|----------|-------------|--------|
| 12.539    | 12.07 ng                   | 482298 | Phenanthrene-d10 |          |             | 11.298 |
| Hit# of 5 | Tentative ID               |        | MW               | MolForm  | CAS#        | Qual   |
| 1         | cis-Vaccenic acid          |        | 282              | C18H34O2 | 000506-17-2 | 99     |
| 2         | cis-13-Octadecenoic acid   |        | 282              | C18H34O2 | 013126-39-1 | 98     |
| 3         | trans-13-Octadecenoic acid |        | 282              | C18H34O2 | 000693-71-0 | 98     |
| 4         | 9-Octadecenoic acid, (E)-  |        | 282              | C18H34O2 | 000112-79-8 | 98     |
| 5         | Oleic Acid                 |        | 282              | C18H34O2 | 000112-80-1 | 96     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

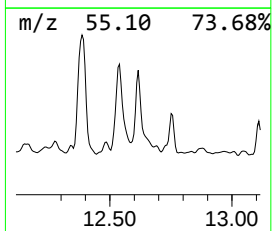
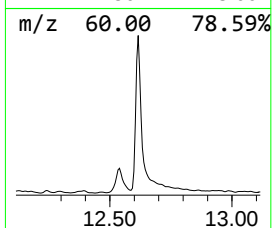
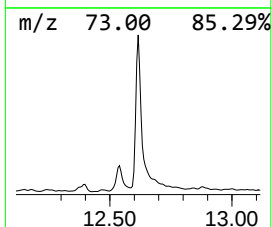
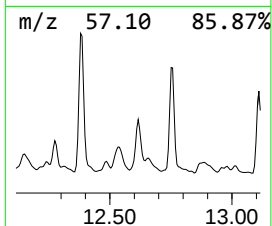
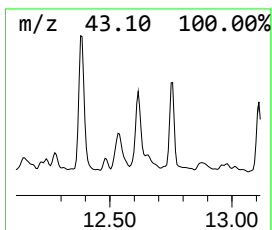
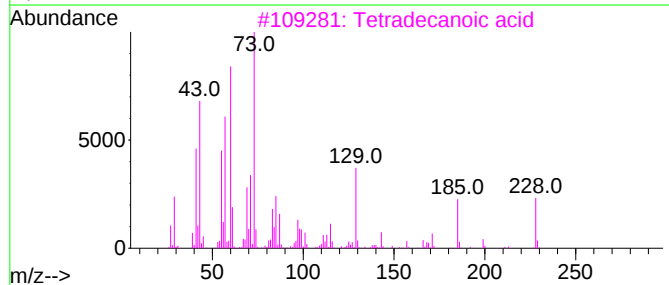
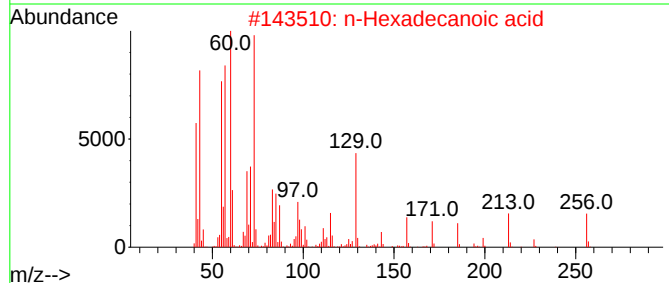
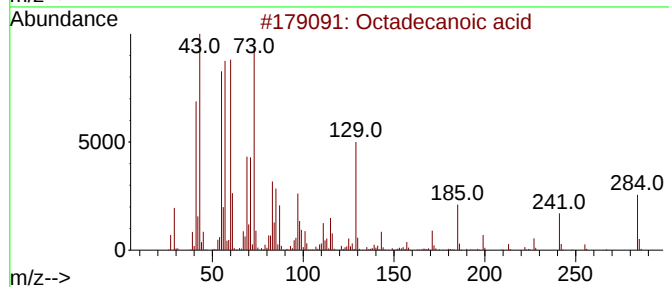
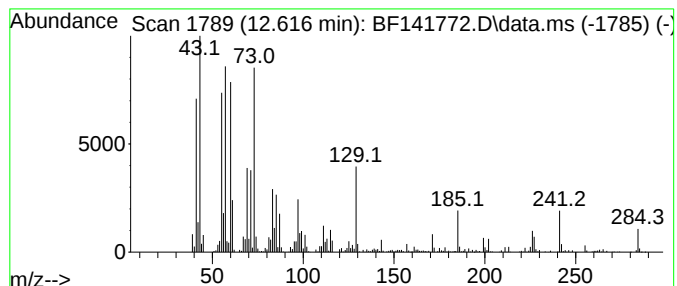
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Peak Number 18 Octadecanoic acid Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.616 | 8.91 ng | 356110 | Phenanthrene-d10 | 11.298 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |      | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 86   |
| 3    |      | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 68   |
| 4    |      | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 64   |
| 5    |      | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

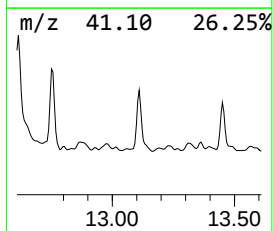
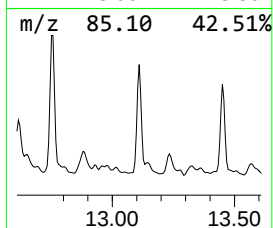
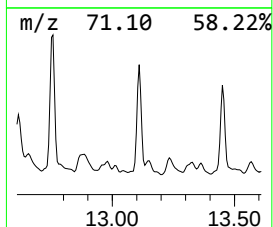
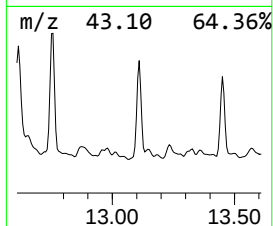
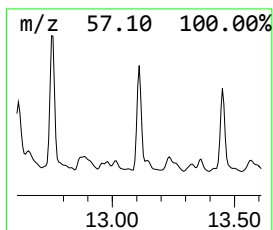
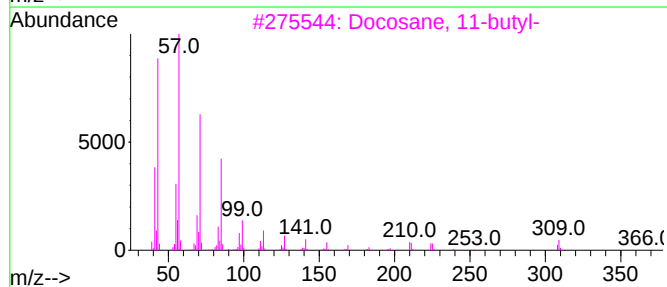
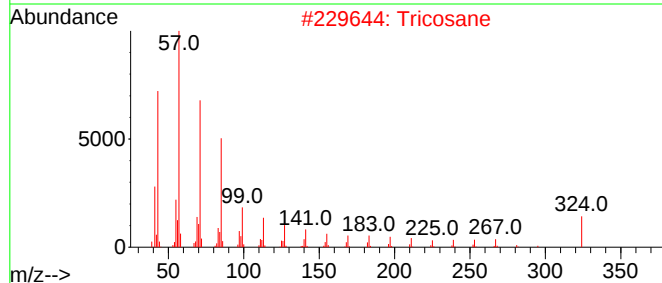
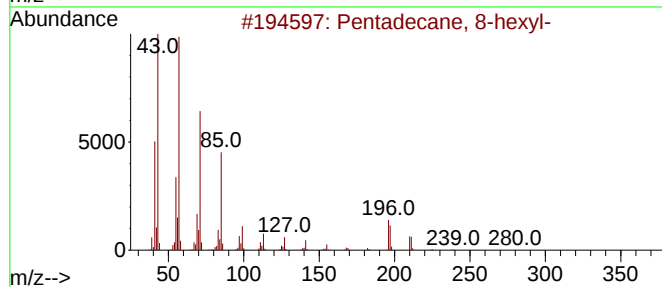
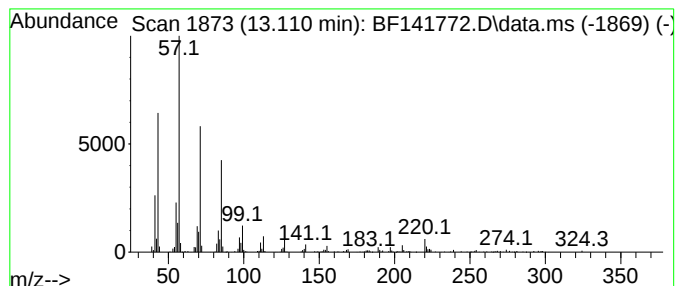
Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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 19 Pentadecane, 8-hexyl- Concentration Rank 14

| R.T.      | EstConc               | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------|--------|------------------|---------|-------------|------|
| 13.110    | 8.87 ng               | 224546 | Chrysene-d12     |         | 13.939      |      |
| Hit# of 5 | Tentative ID          |        | MW               | MolForm | CAS#        | Qual |
| 1         | Pentadecane, 8-hexyl- |        | 296              | C21H44  | 013475-75-7 | 93   |
| 2         | Tricosane             |        | 324              | C23H48  | 000638-67-5 | 93   |
| 3         | Docosane, 11-butyl-   |        | 366              | C26H54  | 013475-76-8 | 90   |
| 4         | Heptacosane           |        | 380              | C27H56  | 000593-49-7 | 90   |
| 5         | Octacosane            |        | 394              | C28H58  | 000630-02-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

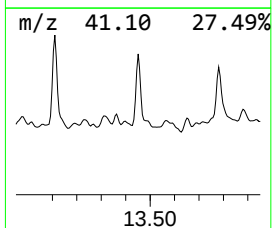
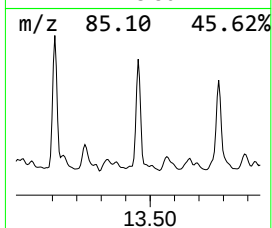
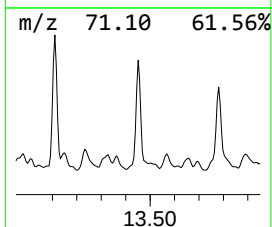
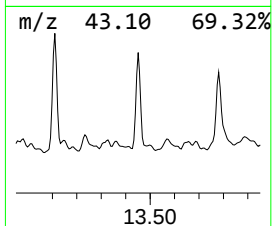
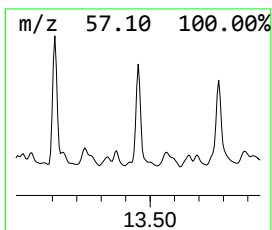
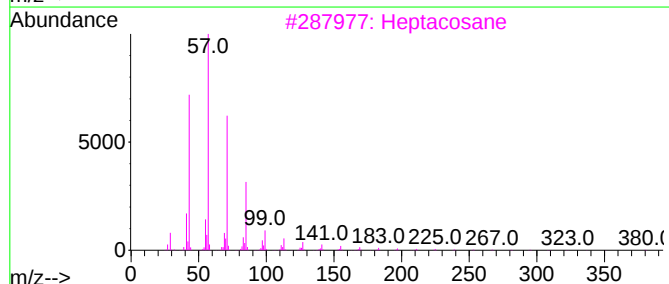
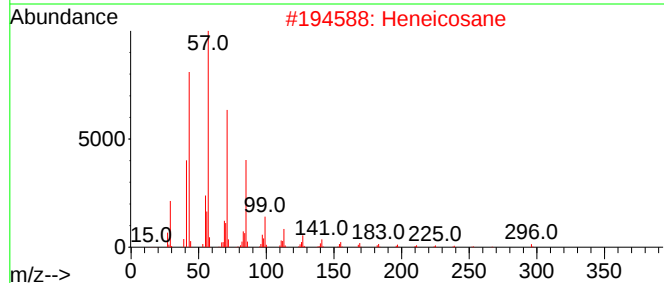
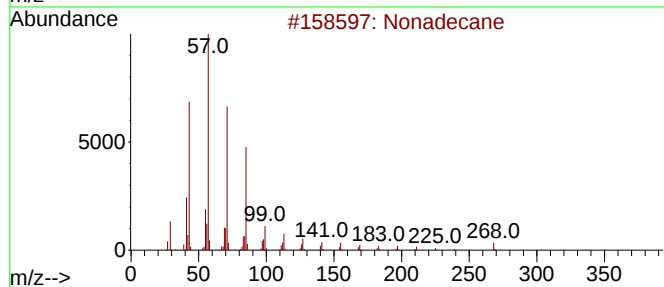
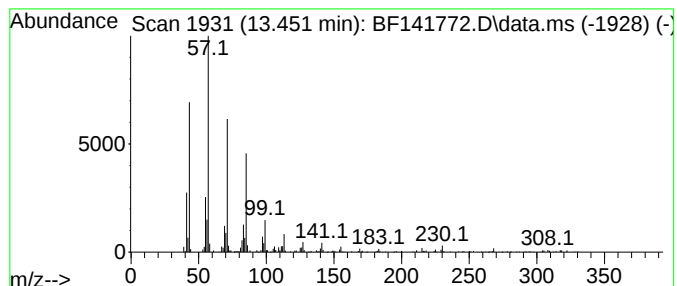
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Nonadecane Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.451 | 4.92 ng | 124718 | Chrysene-d12     | 13.939 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 97   |
| 2    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    |   | Heptacosane  | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141772.D  
Acq On : 25 Feb 2025 19:03  
Operator : RC/JU  
Sample : Q1416-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-022425

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.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 |
| Tridecane          | 8.651  | 8.2     | ng    | 558465   | 2                     | 8.063  | 1363010 | 20.0 |
| unknown9.075       | 9.075  | 5.2     | ng    | 203276   | 3                     | 9.816  | 778254  | 20.0 |
| Tetradecane        | 9.216  | 18.4    | ng    | 717948   | 3                     | 9.816  | 778254  | 20.0 |
| Naphthalene, 2,... | 9.469  | 6.2     | ng    | 240996   | 3                     | 9.816  | 778254  | 20.0 |
| 1-Octadecanesul... | 9.533  | 11.9    | ng    | 464597   | 3                     | 9.816  | 778254  | 20.0 |
| Octacosane         | 9.745  | 17.9    | ng    | 696759   | 3                     | 9.816  | 778254  | 20.0 |
| Dodecane           | 10.063 | 4.9     | ng    | 192273   | 3                     | 9.816  | 778254  | 20.0 |
| Hexadecane         | 10.239 | 17.3    | ng    | 674324   | 3                     | 9.816  | 778254  | 20.0 |
| Pentadecane, 2,... | 10.463 | 9.8     | ng    | 380752   | 3                     | 9.816  | 778254  | 20.0 |
| Heptadecane        | 10.716 | 25.6    | ng    | 1024840  | 4                     | 11.298 | 799430  | 20.0 |
| Octadecane         | 11.163 | 15.2    | ng    | 609089   | 4                     | 11.298 | 799430  | 20.0 |
| Hexadecane, 2,6... | 11.192 | 7.6     | ng    | 304446   | 4                     | 11.298 | 799430  | 20.0 |
| Tetracosane        | 11.586 | 11.1    | ng    | 443791   | 4                     | 11.298 | 799430  | 20.0 |
| n-Hexadecanoic ... | 11.833 | 11.9    | ng    | 474556   | 4                     | 11.298 | 799430  | 20.0 |
| Pentadecane        | 11.992 | 8.9     | ng    | 356061   | 4                     | 11.298 | 799430  | 20.0 |
| Heneicosane        | 12.380 | 21.8    | ng    | 872176   | 4                     | 11.298 | 799430  | 20.0 |
| cis-Vaccenic acid  | 12.539 | 12.1    | ng    | 482298   | 4                     | 11.298 | 799430  | 20.0 |
| Octadecanoic acid  | 12.616 | 8.9     | ng    | 356110   | 4                     | 11.298 | 799430  | 20.0 |
| Pentadecane, 8-... | 13.110 | 8.9     | ng    | 224546   | 5                     | 13.939 | 506487  | 20.0 |
| Nonadecane         | 13.451 | 4.9     | ng    | 124718   | 5                     | 13.939 | 506487  | 20.0 |