

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
 Data File : BF134492.D  
 Acq On : 26 Jul 2023 20:44  
 Operator : CG\JU  
 Sample : 03724-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 185465

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-BF072423.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134492.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         | 5.457       | 570           | 573         | 602          | rBV      | 2383746        | 2621845       | 100.00%         | 12.009%       |
| 2         | 6.469       | 741           | 745         | 769          | rBV      | 1775643        | 1891729       | 72.15%          | 8.665%        |
| 3         | 6.822       | 802           | 805         | 815          | rBV      | 596607         | 491265        | 18.74%          | 2.250%        |
| 4         | 7.386       | 897           | 901         | 904          | rBV      | 1435185        | 1180877       | 45.04%          | 5.409%        |
| 5         | 8.098       | 1019          | 1022        | 1030         | rBV      | 756942         | 673085        | 25.67%          | 3.083%        |
| 6         | 9.175       | 1201          | 1205        | 1209         | rBV      | 2622402        | 2353674       | 89.77%          | 10.781%       |
| 7         | 9.292       | 1221          | 1225        | 1228         | rVB2     | 31916          | 34213         | 1.30%           | 0.157%        |
| 8         | 9.857       | 1317          | 1321        | 1325         | rBV      | 924201         | 742034        | 28.30%          | 3.399%        |
| 9         | 10.651      | 1452          | 1456        | 1471         | rBV      | 1825891        | 1585652       | 60.48%          | 7.263%        |
| 10        | 11.245      | 1553          | 1557        | 1563         | rVB2     | 17909          | 26801         | 1.02%           | 0.123%        |
| 11        | 11.304      | 1563          | 1567        | 1571         | rBV3     | 22982          | 32239         | 1.23%           | 0.148%        |
| 12        | 11.351      | 1571          | 1575        | 1577         | rBV      | 942979         | 770640        | 29.39%          | 3.530%        |
| 13        | 11.374      | 1577          | 1579        | 1582         | rVV      | 218456         | 178367        | 6.80%           | 0.817%        |
| 14        | 11.427      | 1584          | 1588        | 1591         | rVB      | 76649          | 64466         | 2.46%           | 0.295%        |
| 15        | 11.592      | 1611          | 1616        | 1622         | rBV2     | 37242          | 60876         | 2.32%           | 0.279%        |
| 16        | 11.851      | 1657          | 1660        | 1662         | rBV      | 50078          | 55421         | 2.11%           | 0.254%        |
| 17        | 11.880      | 1662          | 1665        | 1672         | rVV      | 572138         | 620666        | 23.67%          | 2.843%        |
| 18        | 11.933      | 1672          | 1674        | 1677         | rVV      | 45141          | 47651         | 1.82%           | 0.218%        |
| 19        | 11.968      | 1677          | 1680        | 1682         | rVV2     | 72556          | 80249         | 3.06%           | 0.368%        |
| 20        | 11.992      | 1682          | 1684        | 1688         | rVB2     | 31149          | 29290         | 1.12%           | 0.134%        |
| 21        | 12.186      | 1714          | 1717        | 1722         | rVB      | 34028          | 36592         | 1.40%           | 0.168%        |
| 22        | 12.410      | 1752          | 1755        | 1757         | rBV      | 35652          | 33889         | 1.29%           | 0.155%        |
| 23        | 12.445      | 1758          | 1761        | 1763         | rVV3     | 29419          | 36135         | 1.38%           | 0.166%        |
| 24        | 12.504      | 1767          | 1771        | 1774         | rBV2     | 42328          | 52823         | 2.01%           | 0.242%        |
| 25        | 12.574      | 1779          | 1783        | 1786         | rBV      | 540348         | 505999        | 19.30%          | 2.318%        |
| 26        | 12.668      | 1795          | 1799        | 1805         | rVV2     | 183783         | 205943        | 7.85%           | 0.943%        |
| 27        | 12.721      | 1805          | 1808        | 1811         | rVB3     | 30828          | 35016         | 1.34%           | 0.160%        |
| 28        | 12.757      | 1811          | 1814        | 1816         | rBV3     | 55732          | 48209         | 1.84%           | 0.221%        |
| 29        | 12.804      | 1819          | 1822        | 1828         | rVB      | 441236         | 400563        | 15.28%          | 1.835%        |
| 30        | 12.857      | 1828          | 1831        | 1835         | rVB2     | 24904          | 31369         | 1.20%           | 0.144%        |
| 31        | 12.945      | 1839          | 1846        | 1849         | rBV      | 2498165        | 2236509       | 85.30%          | 10.244%       |
| 32        | 12.968      | 1849          | 1850        | 1855         | rVB      | 115647         | 86164         | 3.29%           | 0.395%        |
| 33        | 13.021      | 1856          | 1859        | 1864         | rVB2     | 41009          | 60185         | 2.30%           | 0.276%        |
| 34        | 13.115      | 1871          | 1875        | 1876         | rBV3     | 39877          | 57813         | 2.21%           | 0.265%        |
| 35        | 13.133      | 1876          | 1878        | 1881         | rVB      | 66732          | 58494         | 2.23%           | 0.268%        |
| 36        | 13.168      | 1881          | 1884        | 1887         | rBV3     | 36870          | 41535         | 1.58%           | 0.190%        |

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 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
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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-BF072423.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.198 | 1887 | 1889 | 1892 | rVB  | 50790  | 42553  | 1.62%  | 0.195% |
| 38 | 13.239 | 1892 | 1896 | 1898 | rBV2 | 53225  | 60009  | 2.29%  | 0.275% |
| 39 | 13.333 | 1909 | 1912 | 1914 | rBV  | 48058  | 41612  | 1.59%  | 0.191% |
| 40 | 13.362 | 1914 | 1917 | 1920 | rBV3 | 32023  | 35058  | 1.34%  | 0.161% |
| 41 | 13.515 | 1940 | 1943 | 1946 | rBV4 | 25296  | 32530  | 1.24%  | 0.149% |
| 42 | 13.651 | 1964 | 1966 | 1973 | rVB  | 57164  | 57740  | 2.20%  | 0.264% |
| 43 | 13.757 | 1981 | 1984 | 1987 | rBV  | 62202  | 64250  | 2.45%  | 0.294% |
| 44 | 13.786 | 1987 | 1989 | 1991 | rVV2 | 45807  | 37839  | 1.44%  | 0.173% |
| 45 | 13.809 | 1991 | 1993 | 1997 | rVV3 | 43242  | 57872  | 2.21%  | 0.265% |
| 46 | 13.857 | 1997 | 2001 | 2011 | rVB4 | 159741 | 303587 | 11.58% | 1.391% |
| 47 | 13.980 | 2019 | 2022 | 2023 | rBV  | 127839 | 107555 | 4.10%  | 0.493% |
| 48 | 14.009 | 2023 | 2027 | 2030 | rVV2 | 710093 | 880944 | 33.60% | 4.035% |
| 49 | 14.033 | 2030 | 2031 | 2035 | rVB  | 283929 | 226877 | 8.65%  | 1.039% |
| 50 | 14.139 | 2047 | 2049 | 2052 | rBV  | 101323 | 93436  | 3.56%  | 0.428% |
| 51 | 14.362 | 2084 | 2087 | 2088 | rBV2 | 36946  | 35351  | 1.35%  | 0.162% |
| 52 | 14.433 | 2097 | 2099 | 2101 | rBV  | 36355  | 32464  | 1.24%  | 0.149% |
| 53 | 14.504 | 2109 | 2111 | 2113 | rBV3 | 42378  | 37026  | 1.41%  | 0.170% |
| 54 | 14.733 | 2148 | 2150 | 2152 | rBV3 | 41192  | 29042  | 1.11%  | 0.133% |
| 55 | 14.821 | 2163 | 2165 | 2169 | rVB2 | 46973  | 40923  | 1.56%  | 0.187% |
| 56 | 14.927 | 2181 | 2183 | 2187 | rVB  | 90647  | 85538  | 3.26%  | 0.392% |
| 57 | 15.068 | 2203 | 2207 | 2210 | rBV  | 289177 | 422719 | 16.12% | 1.936% |
| 58 | 15.180 | 2222 | 2226 | 2238 | rVB3 | 98117  | 210835 | 8.04%  | 0.966% |
| 59 | 15.380 | 2256 | 2260 | 2265 | rVB  | 183288 | 234800 | 8.96%  | 1.075% |
| 60 | 15.445 | 2267 | 2271 | 2275 | rVB  | 149540 | 187566 | 7.15%  | 0.859% |
| 61 | 15.504 | 2277 | 2281 | 2286 | rBV  | 431676 | 583373 | 22.25% | 2.672% |
| 62 | 15.727 | 2315 | 2319 | 2324 | rBV7 | 43001  | 65510  | 2.50%  | 0.300% |
| 63 | 15.968 | 2355 | 2360 | 2364 | rVB2 | 58125  | 91725  | 3.50%  | 0.420% |
| 64 | 17.045 | 2537 | 2543 | 2550 | rBV2 | 62505  | 151527 | 5.78%  | 0.694% |
| 65 | 17.509 | 2617 | 2622 | 2630 | rVB2 | 54851  | 114077 | 4.35%  | 0.523% |

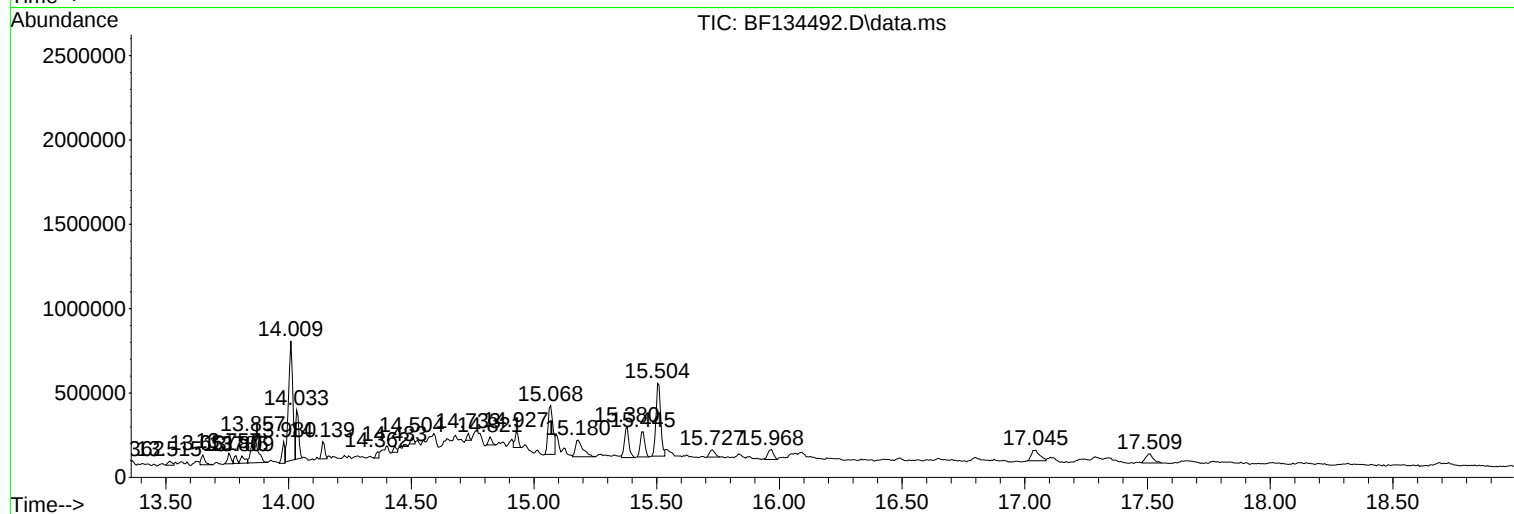
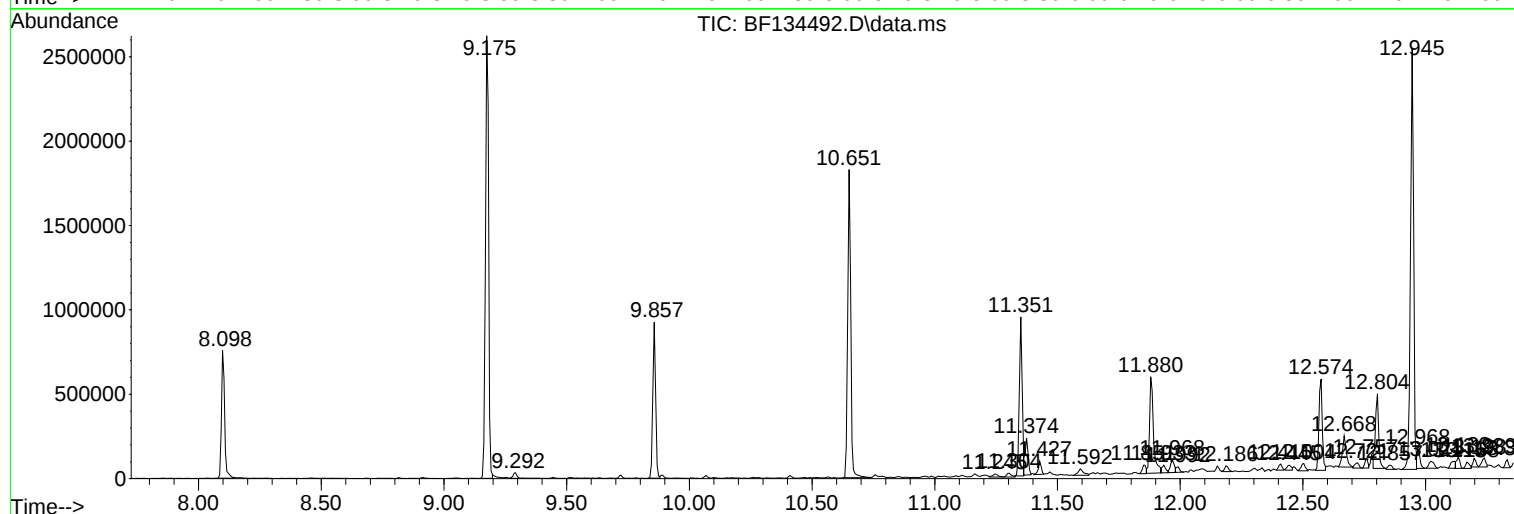
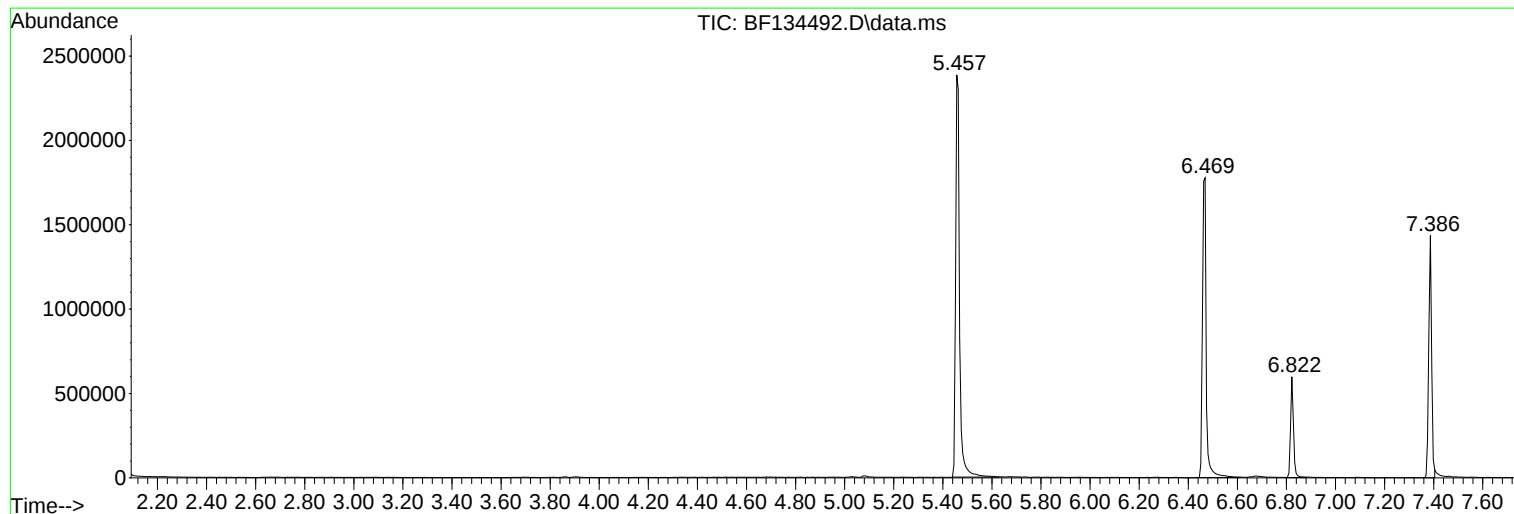
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Sample : 03724-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
185465

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.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\BF072623\  
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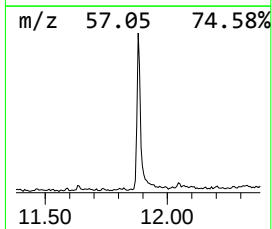
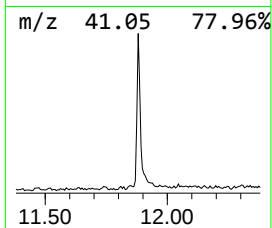
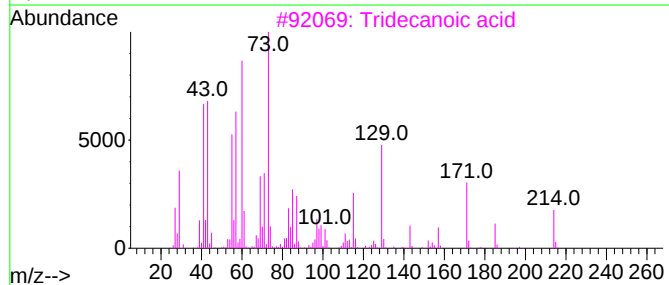
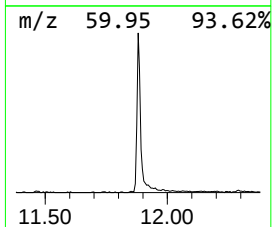
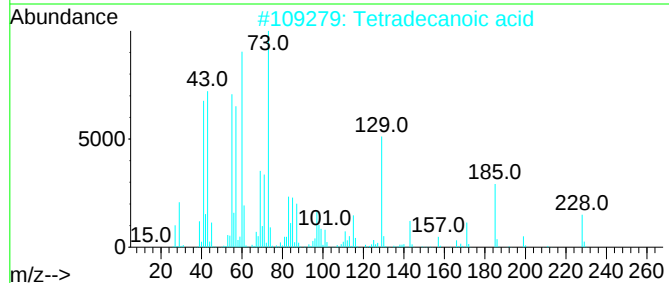
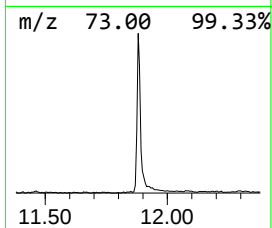
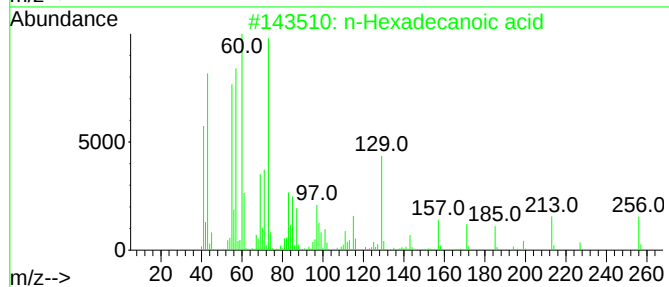
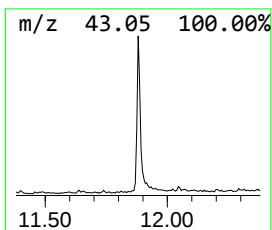
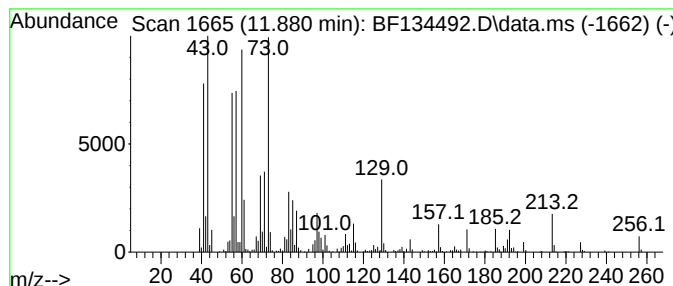
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.880 | 16.11 ng | 620666 | Phenanthrene-d10 | 11.351 |

| 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 | 90   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 68   |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
185465

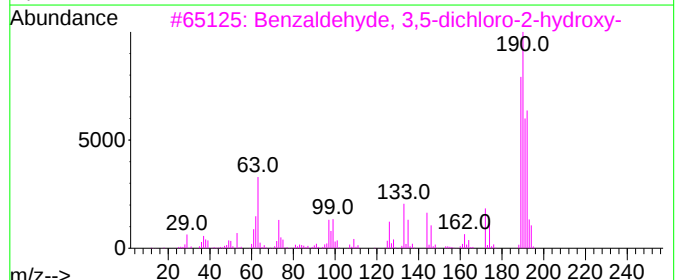
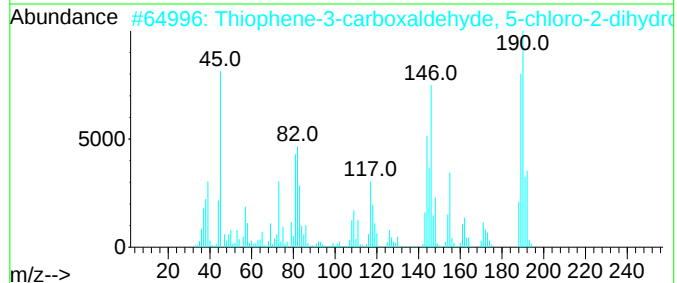
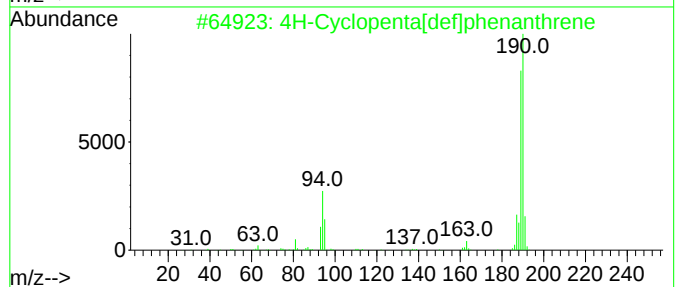
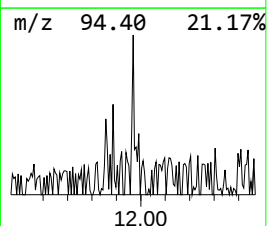
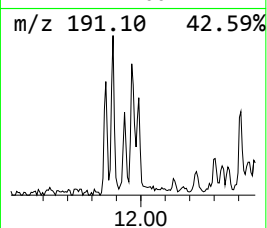
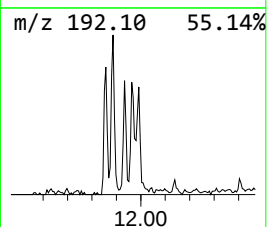
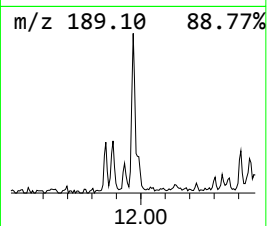
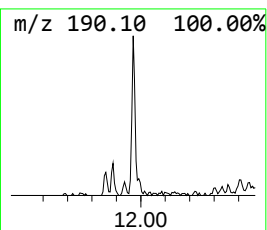
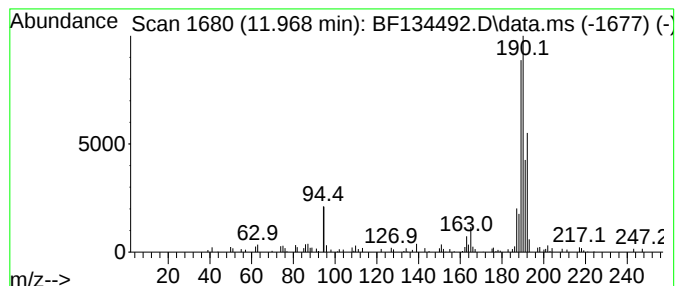
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.968 | 2.08 ng | 80249 | Phenanthrene-d10 | 11.351 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10      | 000203-64-5  | 58   |
| 2    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S  | 036155-87-0  | 50   |
| 3    |    |   | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2   | 000090-60-8  | 38   |
| 4    |    |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2    | 007072-01-7  | 38   |
| 5    |    |   | Carbonic acid, 2-formyl-4,6-dich... | 276 | C11H10Cl2O4 | 1000331-39-3 | 32   |



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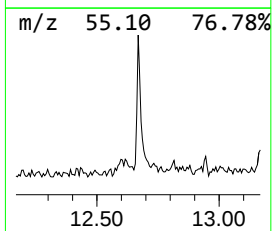
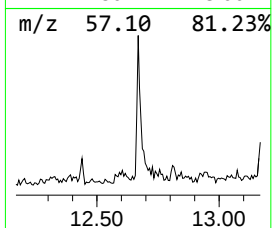
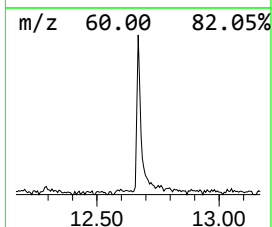
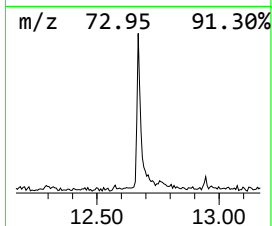
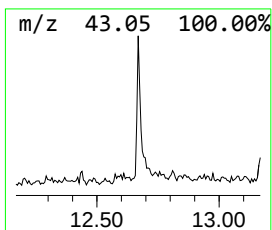
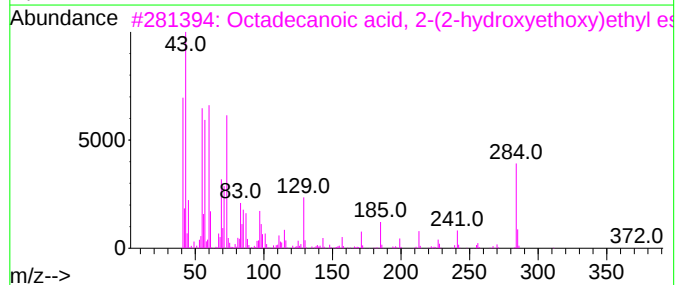
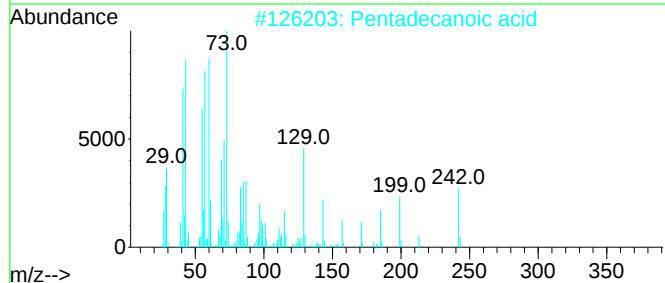
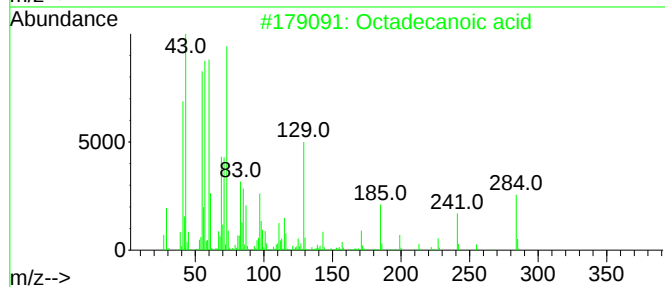
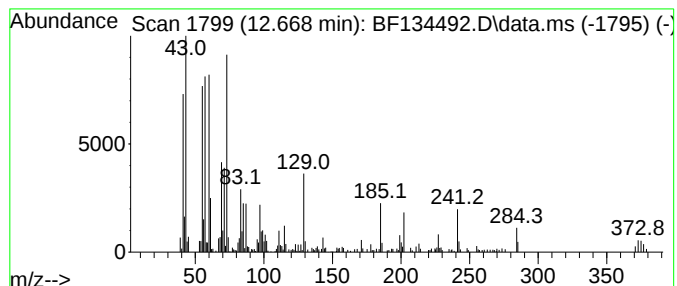
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.668 | 5.34 ng | 205943 | Phenanthrene-d10 | 11.351 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 86   |
| 4    |    |   | Tridecanoic acid                    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 5    |    |   | Undecanoic acid                     | 186 | C11H22O2 | 000112-37-8 | 70   |



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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

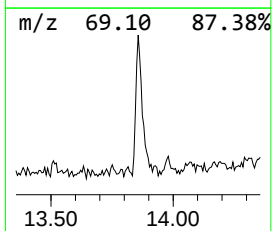
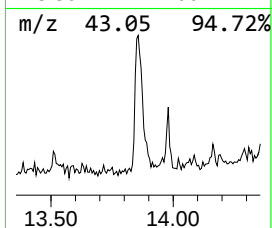
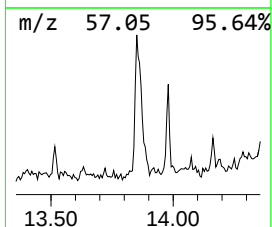
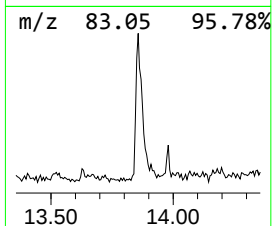
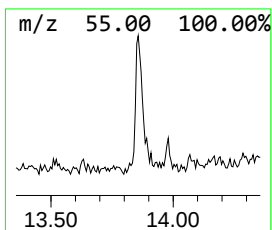
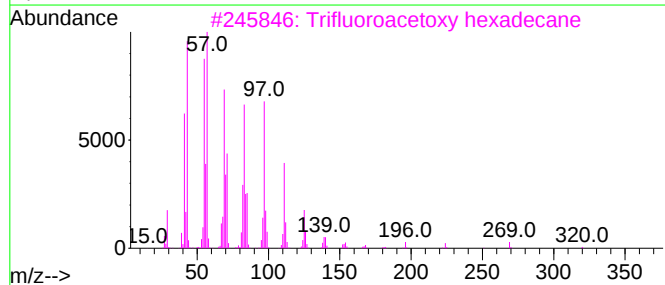
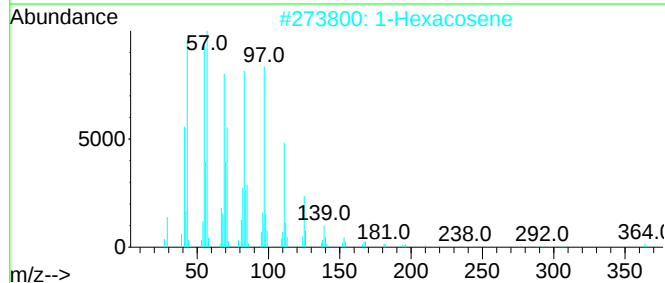
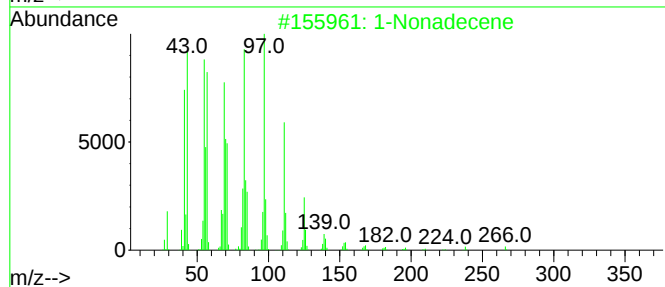
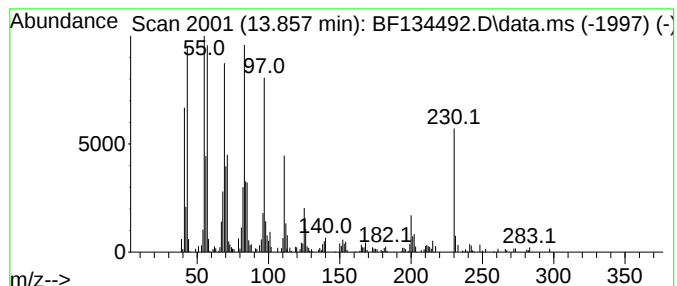
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Nonadecene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.857 | 6.89 ng | 303587 | Chrysene-d12     | 14.009 |

| Hit# | of                          | 5 | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|------|-----------------------------|---|--------------|-----|------------|-------------|------|
| 1    | 1-Nonadecene                |   |              | 266 | C19H38     | 018435-45-5 | 93   |
| 2    | 1-Hexacosene                |   |              | 364 | C26H52     | 018835-33-1 | 93   |
| 3    | Trifluoroacetoxy hexadecane |   |              | 338 | C18H33F3O2 | 006222-03-3 | 93   |
| 4    | 1-Tetracosene               |   |              | 336 | C24H48     | 010192-32-2 | 90   |
| 5    | 1-Heneicosanol              |   |              | 312 | C21H44O    | 015594-90-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
Sample : 03724-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

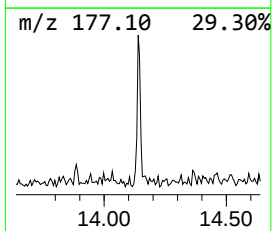
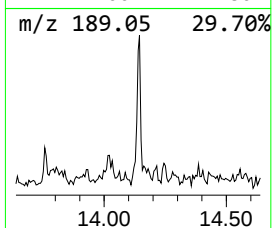
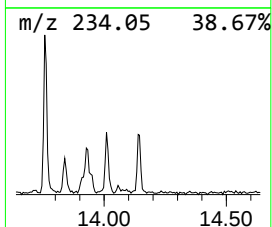
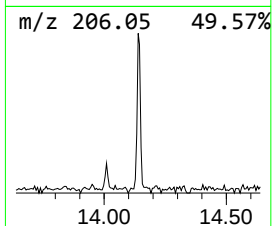
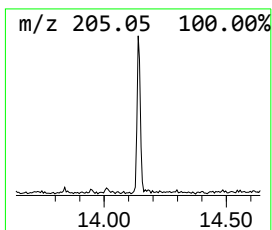
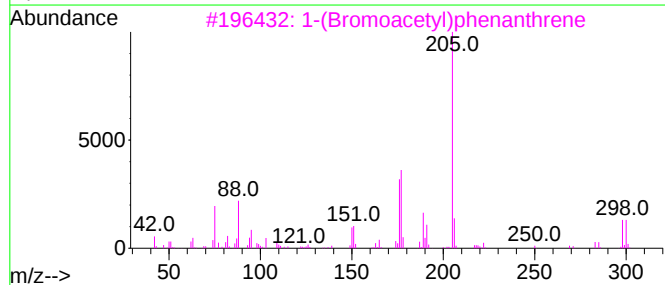
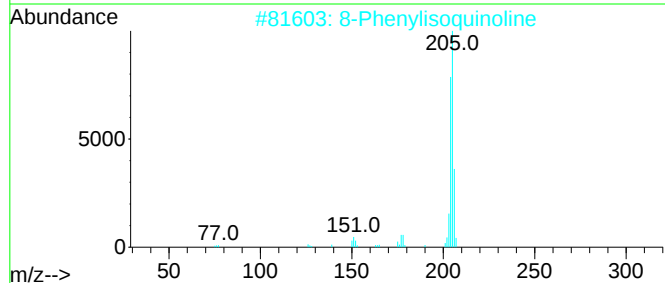
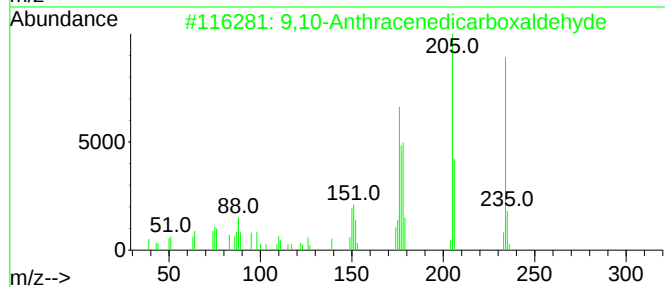
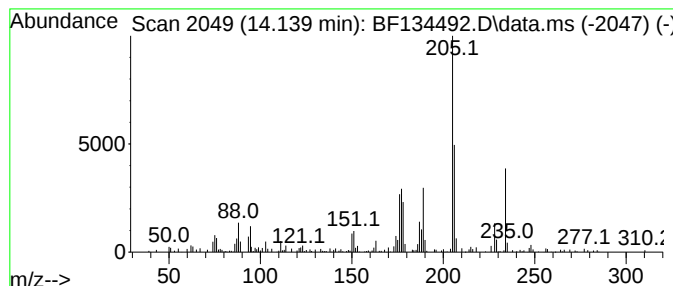
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 9,10-Anthracenedicarboxalde... Concentration Rank 9

| R.T.      | EstConc                             | Area  | Relative to ISTD |           | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-----------|-------------|------|
| 14.139    | 2.12 ng                             | 93436 | Chrysene-d12     |           | 14.009      |      |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm   | CAS#        | Qual |
| 1         | 9,10-Anthracenedicarboxaldehyde     |       | 234              | C16H10O2  | 007044-91-9 | 46   |
| 2         | 8-Phenylisoquinoline                |       | 205              | C15H11N   | 070125-67-6 | 38   |
| 3         | 1-(Bromoacetyl)phenanthrene         |       | 298              | C16H11BrO | 026698-40-8 | 37   |
| 4         | Benzene, 1-methyl-4-[(4-propylph... |       | 234              | C18H18    | 184161-94-2 | 37   |
| 5         | 5-Phenylisoquinoline                |       | 205              | C15H11N   | 024464-35-5 | 32   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
Sample : 03724-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

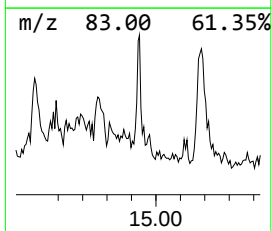
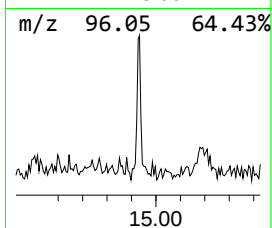
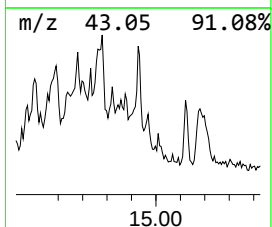
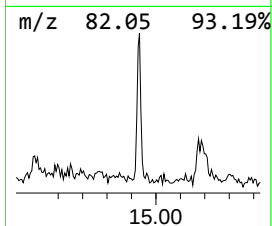
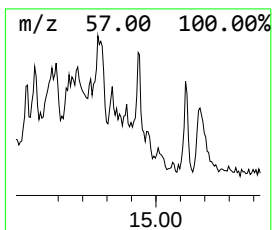
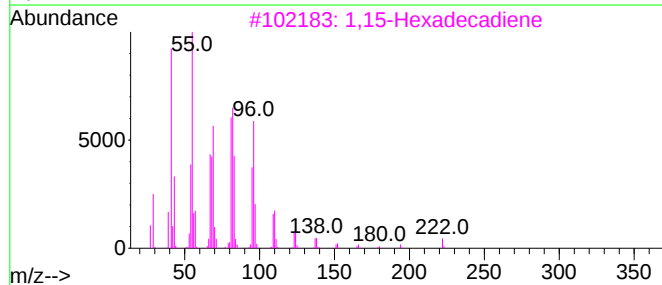
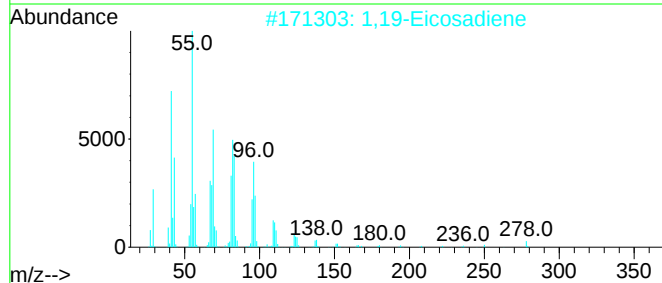
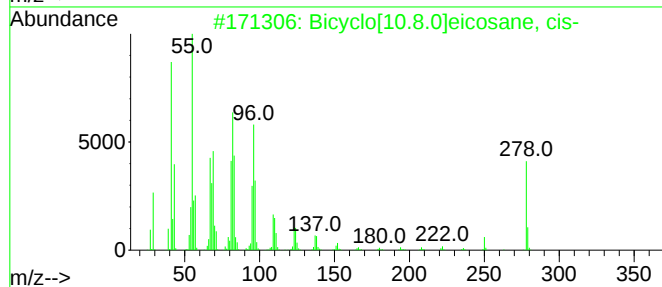
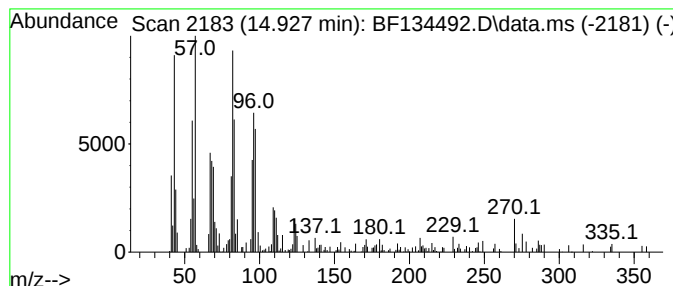
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.927 | 2.93 ng | 85538 | Perylene-d12     | 15.504 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------|-----|----------|--------------|------|
| 1    |    |   | Bicyclo[10.8.0]eicosane, cis- | 278 | C20H38   | 1000155-82-2 | 95   |
| 2    |    |   | 1,19-Eicosadiene              | 278 | C20H38   | 014811-95-1  | 93   |
| 3    |    |   | 1,15-Hexadecadiene            | 222 | C16H30   | 021964-51-2  | 87   |
| 4    |    |   | 1,16-Hexadecanediol           | 258 | C16H34O2 | 007735-42-4  | 87   |
| 5    |    |   | Pentadecanal-                 | 226 | C15H30O  | 002765-11-9  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
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ALS Vial : 15 Sample Multiplier: 1

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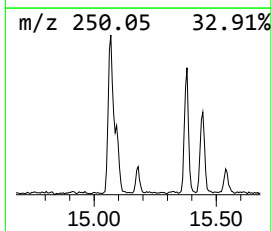
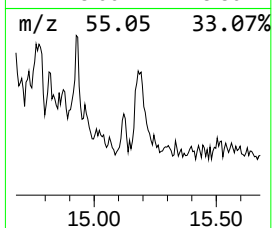
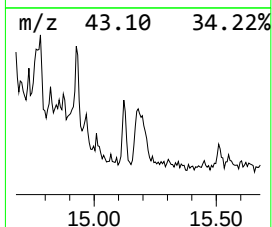
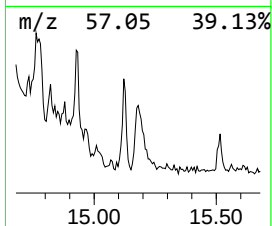
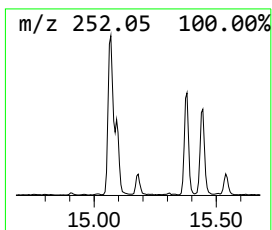
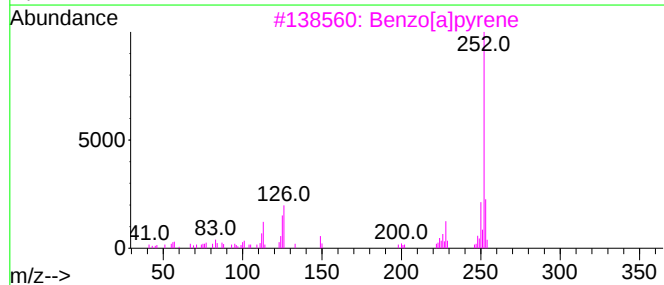
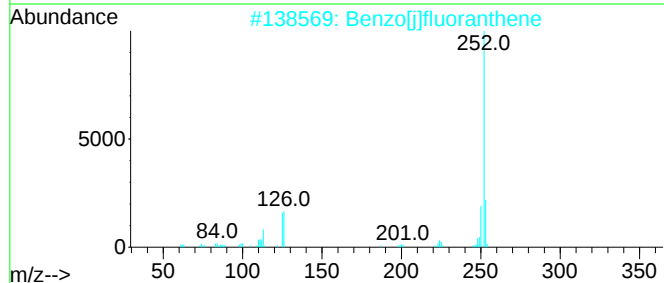
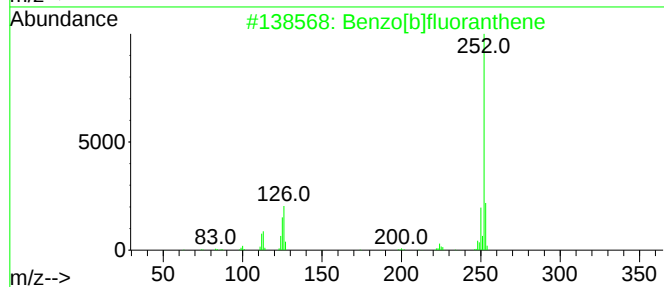
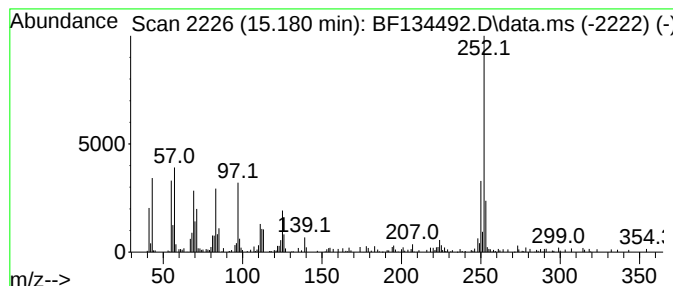
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Benzo[j]fluoranthene Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.180 | 7.23 ng | 210835 | Perylene-d12     | 15.504 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 2    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 89   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 89   |
| 4    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 86   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
Sample : 03724-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

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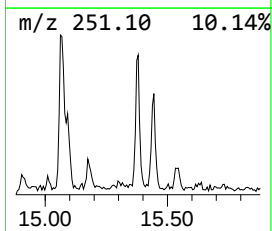
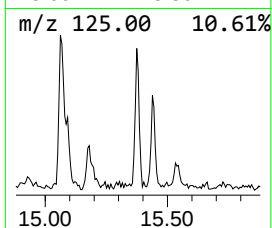
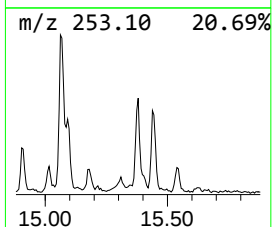
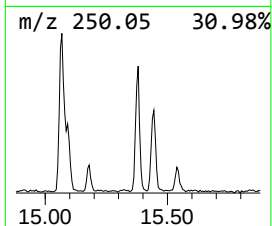
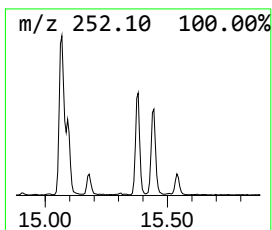
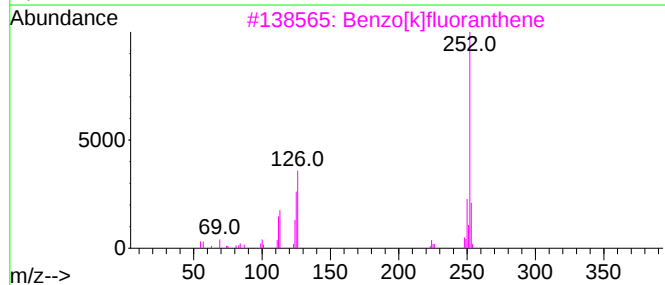
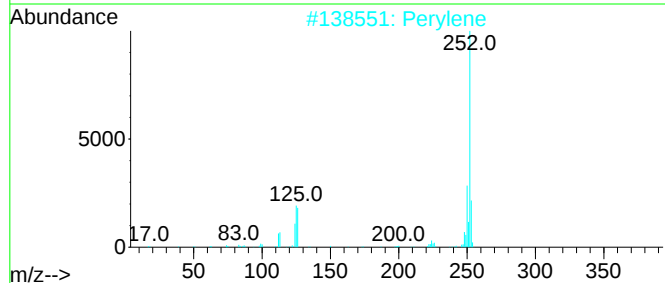
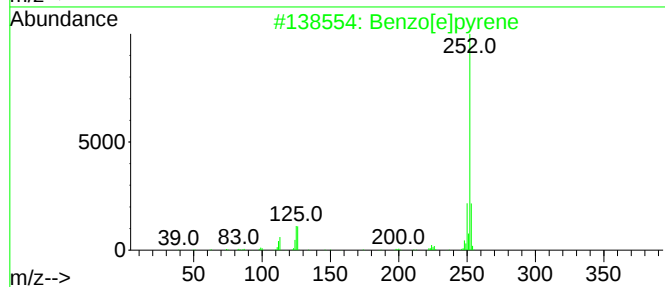
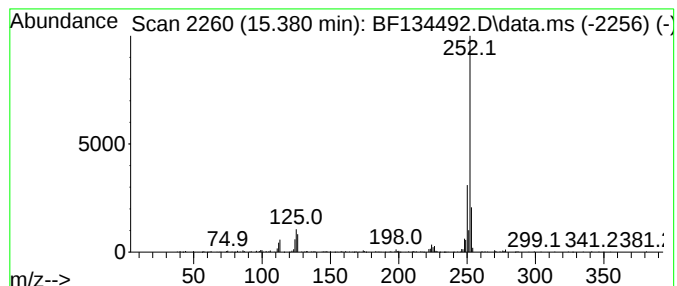
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.380 | 8.05 ng | 234800 | Perylene-d12     | 15.504 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 96   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 94   |
| 4    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |
| 5    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
185465

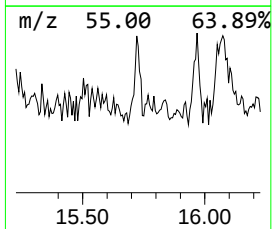
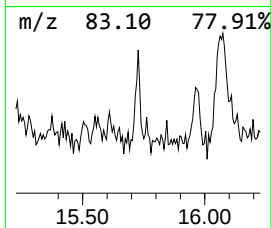
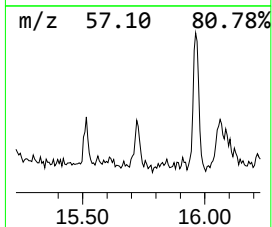
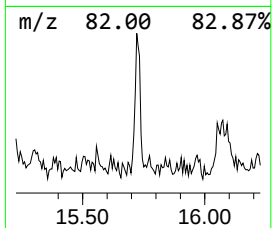
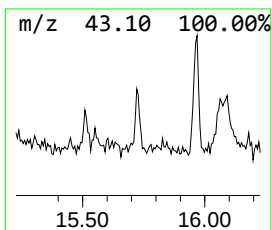
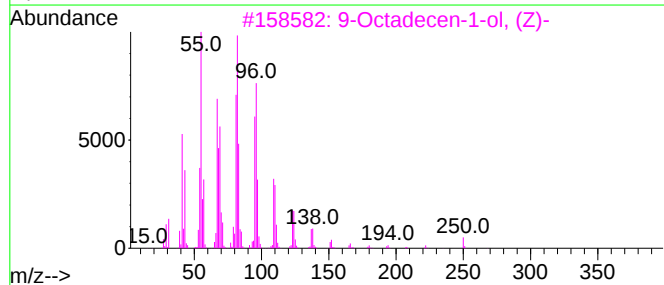
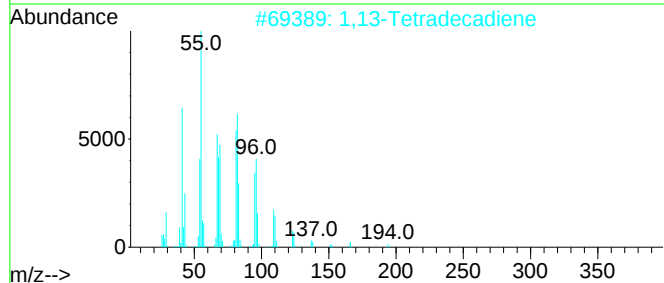
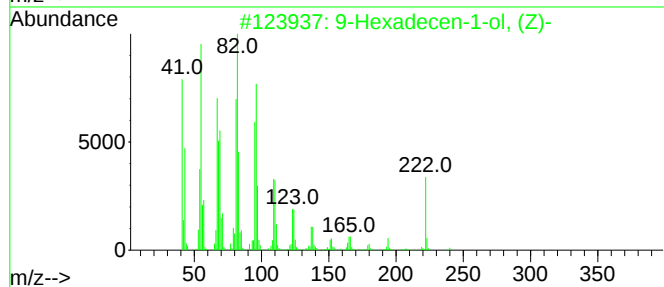
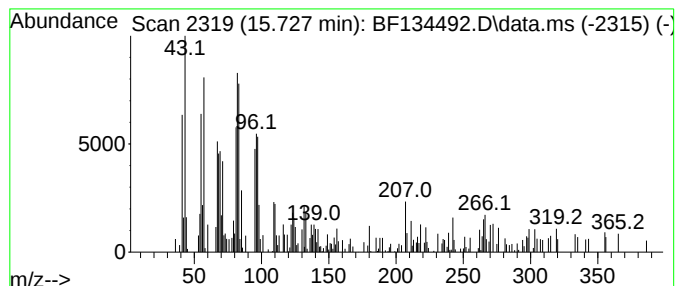
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 9-Hexadecen-1-ol, (Z)- Concentration Rank 8

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.727 | 2.25 ng | 65510 | Perylene-d12     | 15.504 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | 9-Hexadecen-1-ol, (Z)-     | 240 | C16H32O  | 010378-01-5 | 91   |
| 2    |    |   | 1,13-Tetradecadiene        | 194 | C14H26   | 021964-49-8 | 90   |
| 3    |    |   | 9-Octadecen-1-ol, (Z)-     | 268 | C18H36O  | 000143-28-2 | 78   |
| 4    |    |   | 11-Tetradecyn-1-ol acetate | 252 | C16H28O2 | 033925-72-3 | 78   |
| 5    |    |   | Oxirane, heptadecyl-       | 282 | C19H38O  | 067860-04-2 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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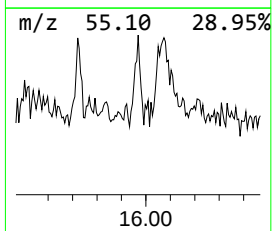
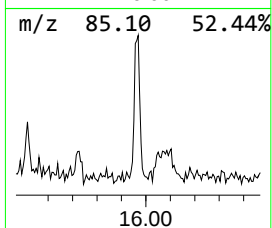
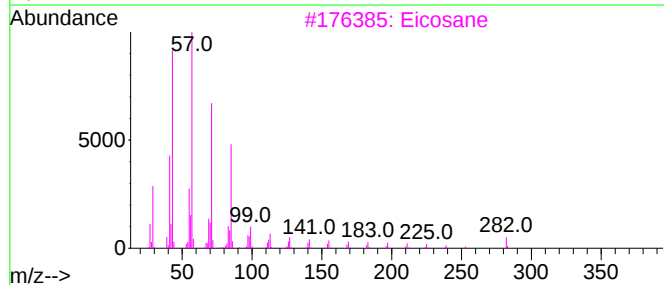
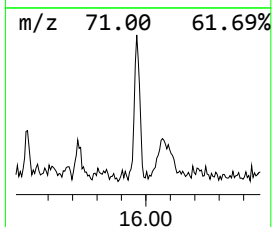
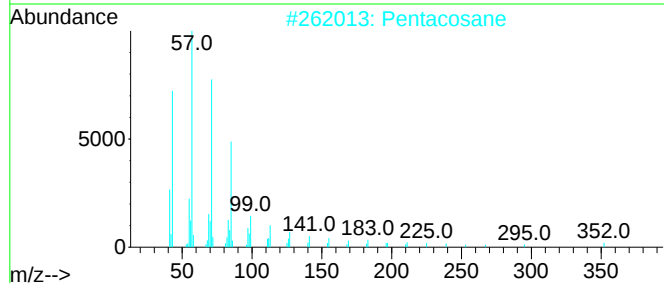
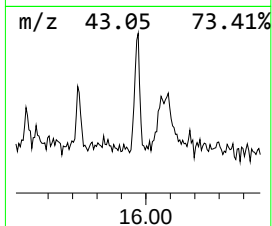
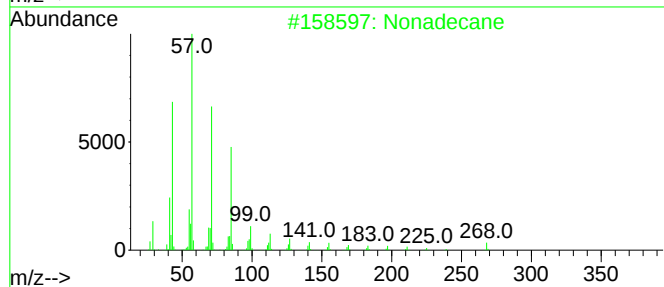
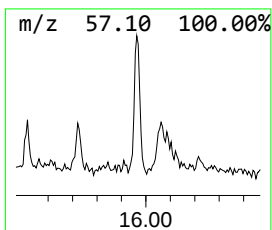
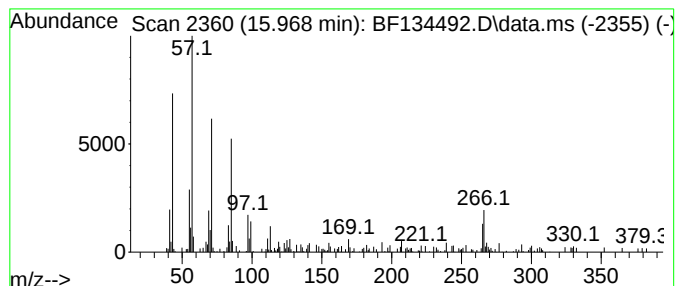
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Eicosane Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.968 | 3.14 ng | 91725 | Perylene-d12     | 15.504 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 83   |
| 2    |    |   | Pentacosane  | 352 | C25H52  | 000629-99-2 | 83   |
| 3    |    |   | Eicosane     | 282 | C20H42  | 000112-95-8 | 58   |
| 4    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 58   |
| 5    |    |   | Tricosane    | 324 | C23H48  | 000638-67-5 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072623\  
Data File : BF134492.D  
Acq On : 26 Jul 2023 20:44  
Operator : CG\JU  
Sample : 03724-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
185465

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.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 |
| n-Hexadecanoic ...  | 11.880 | 16.1    | ng    | 620666   | 4                     | 11.351 | 770640 | 20.0 |
| 4H-Cyclopenta[d]... | 11.968 | 2.1     | ng    | 80249    | 4                     | 11.351 | 770640 | 20.0 |
| Octadecanoic acid   | 12.668 | 5.3     | ng    | 205943   | 4                     | 11.351 | 770640 | 20.0 |
| 1-Nonadecene        | 13.857 | 6.9     | ng    | 303587   | 5                     | 14.009 | 880944 | 20.0 |
| 9,10-Anthracene...  | 14.139 | 2.1     | ng    | 93436    | 5                     | 14.009 | 880944 | 20.0 |
| Bicyclo[10.8.0]...  | 14.927 | 2.9     | ng    | 85538    | 6                     | 15.504 | 583373 | 20.0 |
| Benzo[j]fluoran...  | 15.180 | 7.2     | ng    | 210835   | 6                     | 15.504 | 583373 | 20.0 |
| Benzo[e]pyrene      | 15.380 | 8.1     | ng    | 234800   | 6                     | 15.504 | 583373 | 20.0 |
| 9-Hexadecen-1-o...  | 15.727 | 2.3     | ng    | 65510    | 6                     | 15.504 | 583373 | 20.0 |
| Eicosane            | 15.968 | 3.1     | ng    | 91725    | 6                     | 15.504 | 583373 | 20.0 |