

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
 Data File : BF130349.D  
 Acq On : 20 Sep 2022 17:49  
 Operator : CG\JU  
 Sample : N4702-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-03-091622

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-BF091422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130349.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         | 5.257       | 535           | 539         | 548          | rBV      | 1236183        | 1186899       | 15.97%          | 3.426%        |
| 2         | 6.298       | 712           | 716         | 728          | rBV      | 1222906        | 1097845       | 14.77%          | 3.169%        |
| 3         | 6.657       | 774           | 777         | 784          | rVB      | 584582         | 440110        | 5.92%           | 1.271%        |
| 4         | 7.222       | 869           | 873         | 876          | rBV      | 887781         | 701689        | 9.44%           | 2.026%        |
| 5         | 7.939       | 991           | 995         | 998          | rBV      | 618317         | 479656        | 6.45%           | 1.385%        |
| 6         | 9.016       | 1174          | 1178        | 1181         | rBV      | 1566163        | 1206084       | 16.23%          | 3.482%        |
| 7         | 9.686       | 1286          | 1292        | 1295         | rBV      | 617370         | 496976        | 6.69%           | 1.435%        |
| 8         | 10.475      | 1422          | 1426        | 1429         | rBV      | 962882         | 786212        | 10.58%          | 2.270%        |
| 9         | 11.169      | 1540          | 1544        | 1546         | rBV      | 598469         | 501798        | 6.75%           | 1.449%        |
| 10        | 11.192      | 1546          | 1548        | 1553         | rVB      | 137993         | 125691        | 1.69%           | 0.363%        |
| 11        | 11.574      | 1609          | 1613        | 1616         | rBV      | 1832172        | 1396492       | 18.79%          | 4.031%        |
| 12        | 11.733      | 1631          | 1640        | 1645         | rBV      | 2561426        | 3836291       | 51.62%          | 11.075%       |
| 13        | 12.269      | 1726          | 1731        | 1733         | rBV      | 6487869        | 7431228       | 100.00%         | 21.453%       |
| 14        | 12.286      | 1733          | 1734        | 1740         | rVB      | 5056859        | 3915238       | 52.69%          | 11.303%       |
| 15        | 12.369      | 1744          | 1748        | 1751         | rBV2     | 1080041        | 1029976       | 13.86%          | 2.973%        |
| 16        | 12.410      | 1751          | 1755        | 1757         | rBV      | 1152067        | 1566692       | 21.08%          | 4.523%        |
| 17        | 12.504      | 1768          | 1771        | 1783         | rVB      | 1130103        | 1257125       | 16.92%          | 3.629%        |
| 18        | 12.604      | 1783          | 1788        | 1791         | rBV      | 340302         | 346463        | 4.66%           | 1.000%        |
| 19        | 12.757      | 1808          | 1814        | 1817         | rBV      | 1804499        | 1484689       | 19.98%          | 4.286%        |
| 20        | 12.998      | 1852          | 1855        | 1859         | rBV3     | 61269          | 92769         | 1.25%           | 0.268%        |
| 21        | 13.086      | 1868          | 1870        | 1873         | rBV      | 87505          | 85499         | 1.15%           | 0.247%        |
| 22        | 13.157      | 1879          | 1882        | 1887         | rBV2     | 132628         | 190394        | 2.56%           | 0.550%        |
| 23        | 13.216      | 1887          | 1892        | 1901         | rVV7     | 183074         | 513036        | 6.90%           | 1.481%        |
| 24        | 13.280      | 1901          | 1903        | 1909         | rVB5     | 83359          | 107708        | 1.45%           | 0.311%        |
| 25        | 13.663      | 1966          | 1968        | 1974         | rVB3     | 74753          | 78129         | 1.05%           | 0.226%        |
| 26        | 13.757      | 1981          | 1984        | 1986         | rBV      | 105737         | 87330         | 1.18%           | 0.252%        |
| 27        | 13.798      | 1986          | 1991        | 1994         | rVV2     | 729800         | 833165        | 11.21%          | 2.405%        |
| 28        | 13.821      | 1994          | 1995        | 1998         | rVB      | 172066         | 117803        | 1.59%           | 0.340%        |
| 29        | 13.904      | 2004          | 2009        | 2012         | rBV4     | 92146          | 155332        | 2.09%           | 0.448%        |
| 30        | 14.280      | 2070          | 2073        | 2076         | rBV      | 161301         | 178606        | 2.40%           | 0.516%        |
| 31        | 14.580      | 2122          | 2124        | 2129         | rVB2     | 85255          | 89626         | 1.21%           | 0.259%        |
| 32        | 14.645      | 2133          | 2135        | 2140         | rVB      | 203818         | 186884        | 2.51%           | 0.539%        |
| 33        | 14.798      | 2159          | 2161        | 2164         | rBV      | 128491         | 139597        | 1.88%           | 0.403%        |
| 34        | 14.892      | 2173          | 2177        | 2182         | rVB      | 524305         | 603829        | 8.13%           | 1.743%        |
| 35        | 15.133      | 2215          | 2218        | 2224         | rVB      | 131241         | 149885        | 2.02%           | 0.433%        |
| 36        | 15.192      | 2224          | 2228        | 2231         | rBV2     | 423122         | 490364        | 6.60%           | 1.416%        |

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Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

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-BF091422.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 37 | 15.633 | 2298 | 2303 | 2308 | rBV  | 400468 | 571033 | 7.68% | 1.648% |
| 38 | 17.086 | 2546 | 2550 | 2562 | rVB8 | 124642 | 315963 | 4.25% | 0.912% |
| 39 | 17.980 | 2696 | 2702 | 2712 | rVB4 | 146658 | 366173 | 4.93% | 1.057% |

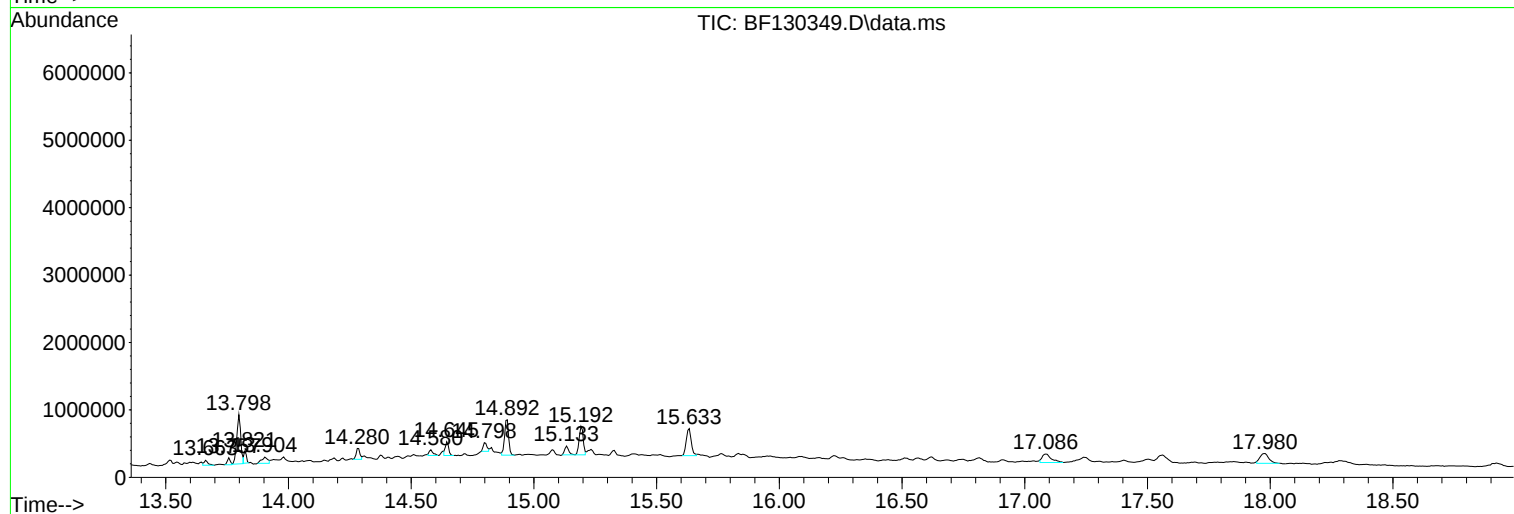
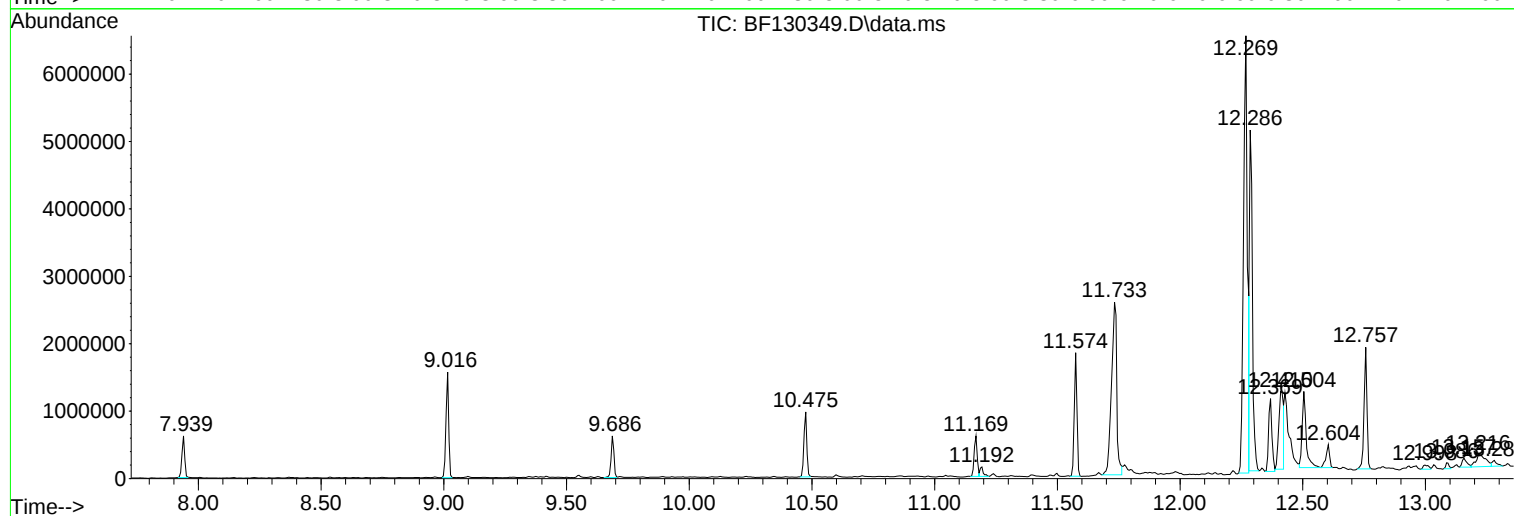
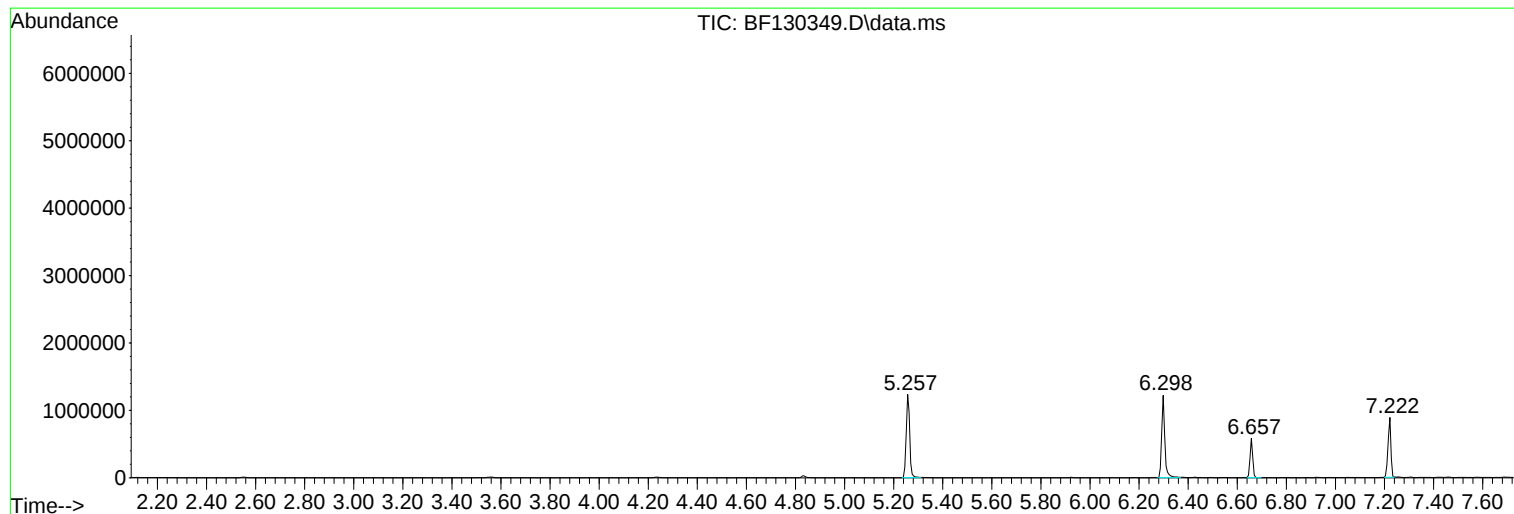
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

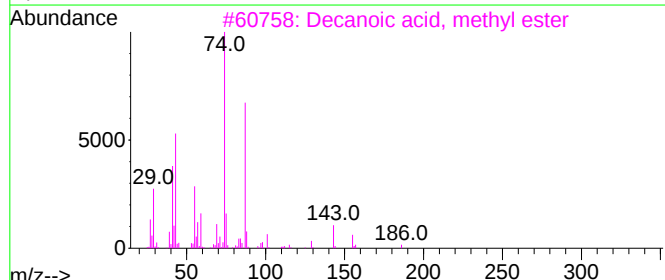
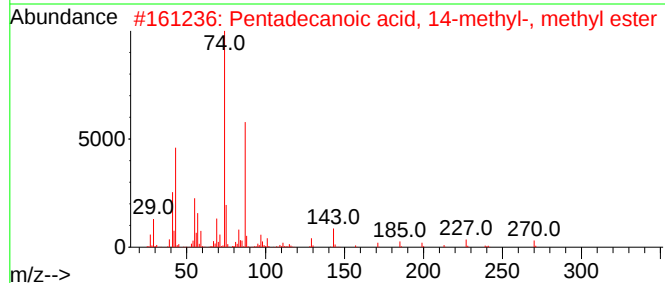
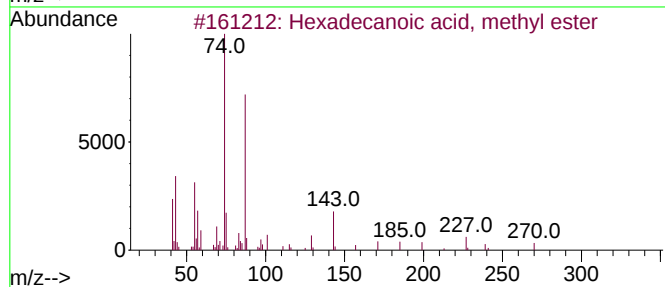
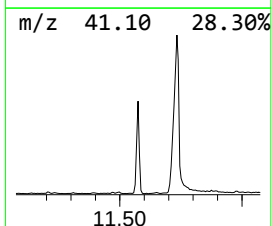
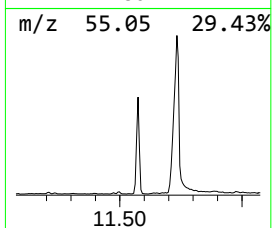
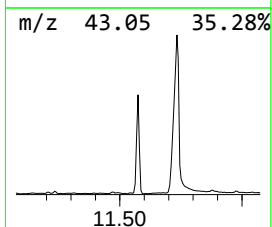
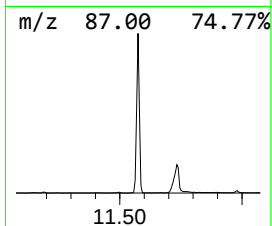
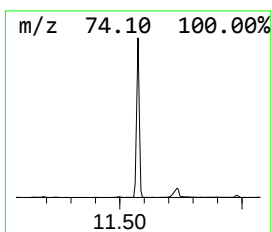
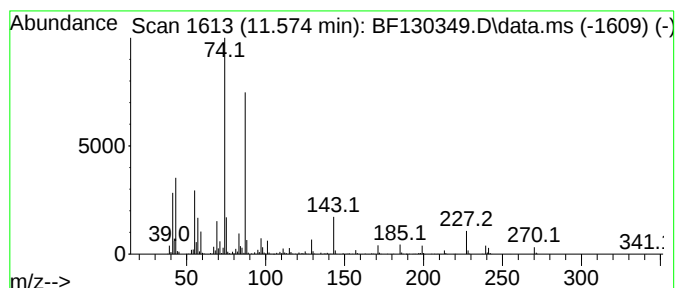
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T.      | EstConc                             | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|----------|-------------|------|
| 11.575    | 55.66 ng                            | 1396490 | Phenanthrene-d10 |          | 11.169      |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm  | CAS#        | Qual |
| 1         | Hexadecanoic acid, methyl ester     |         | 270              | C17H34O2 | 000112-39-0 | 98   |
| 2         | Pentadecanoic acid, 14-methyl-, ... |         | 270              | C17H34O2 | 005129-60-2 | 96   |
| 3         | Decanoic acid, methyl ester         |         | 186              | C11H22O2 | 000110-42-9 | 87   |
| 4         | Pentadecanoic acid, methyl ester    |         | 256              | C16H32O2 | 007132-64-1 | 86   |
| 5         | Methyl tetradecanoate               |         | 242              | C15H30O2 | 000124-10-7 | 83   |



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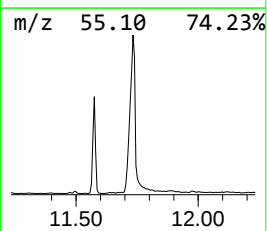
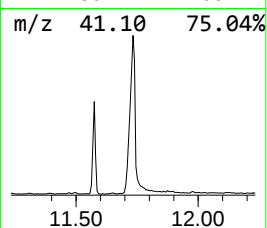
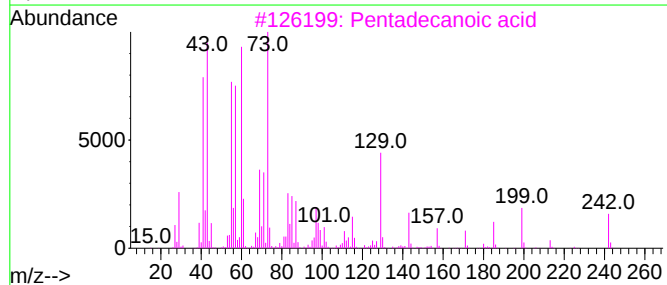
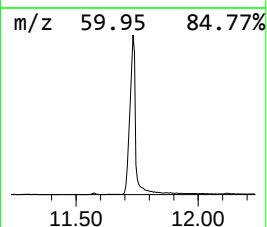
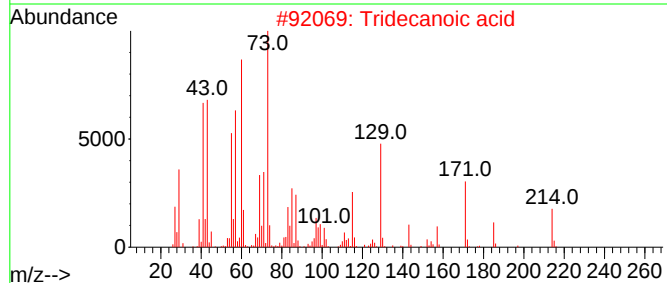
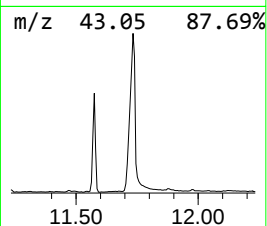
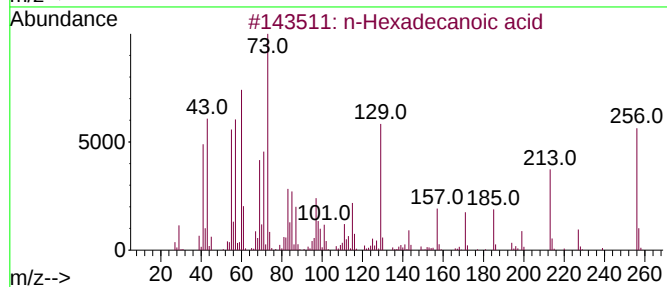
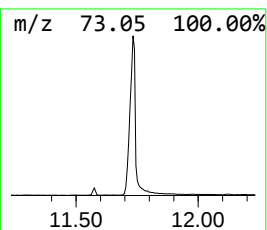
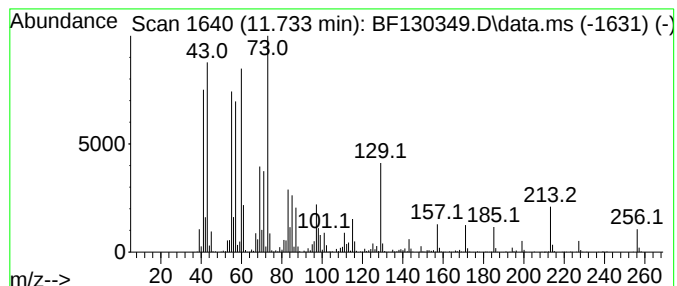
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T.      | EstConc             | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|---------|------------------|----------|-------------|------|
| 11.733    | 152.90 ng           | 3836290 | Phenanthrene-d10 |          | 11.169      |      |
| Hit# of 5 | Tentative ID        |         | MW               | MolForm  | CAS#        | Qual |
| 1         | n-Hexadecanoic acid |         | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2         | Tridecanoic acid    |         | 214              | C13H26O2 | 000638-53-9 | 93   |
| 3         | Pentadecanoic acid  |         | 242              | C15H30O2 | 001002-84-2 | 91   |
| 4         | Tetradecanoic acid  |         | 228              | C14H28O2 | 000544-63-8 | 91   |
| 5         | n-Decanoic acid     |         | 172              | C10H20O2 | 000334-48-5 | 58   |



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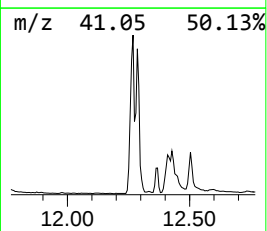
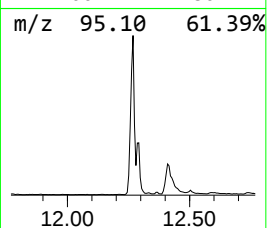
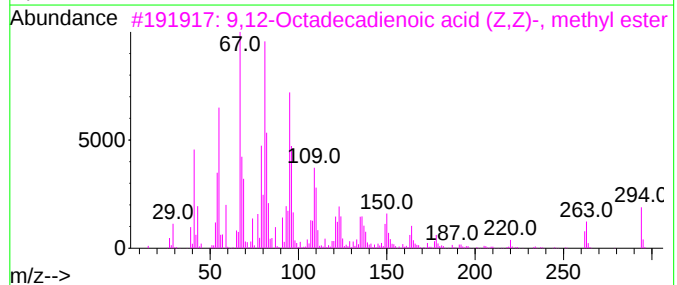
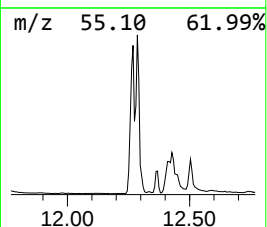
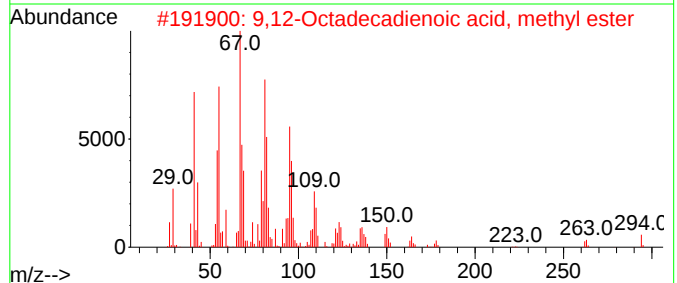
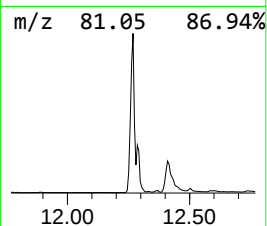
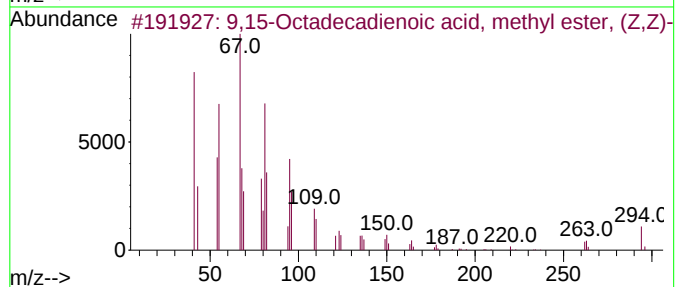
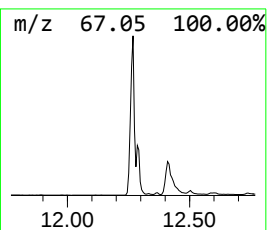
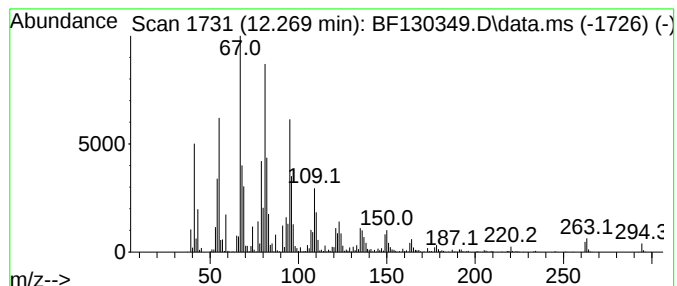
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 9,15-Octadecadienoic acid, ... Concentration Rank 1

| R.T.   | EstConc   | Area                                | Relative to ISTD | R.T.           |
|--------|-----------|-------------------------------------|------------------|----------------|
| 12.269 | 296.18 ng | 7431230                             | Phenanthrene-d10 | 11.169         |
| Hit#   | of 5      | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1      |           | 9,15-Octadecadienoic acid, methy... | 294 C19H34O2     | 017309-05-6 99 |
| 2      |           | 9,12-Octadecadienoic acid, methy... | 294 C19H34O2     | 002462-85-3 99 |
| 3      |           | 9,12-Octadecadienoic acid (Z,Z)-... | 294 C19H34O2     | 000112-63-0 99 |
| 4      |           | 9,12-Octadecadienoic acid, methy... | 294 C19H34O2     | 002566-97-4 99 |
| 5      |           | Methyl 9-cis,11-trans-octadecadi... | 294 C19H34O2     | 013058-52-1 99 |



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BU-03-091622

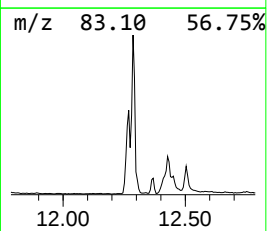
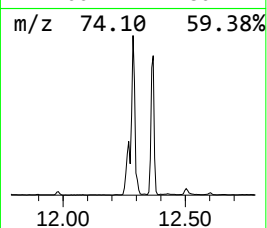
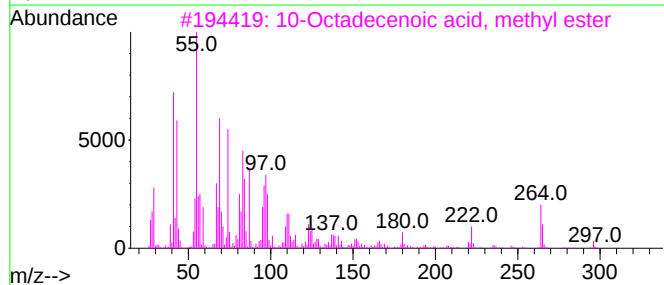
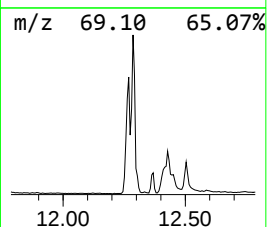
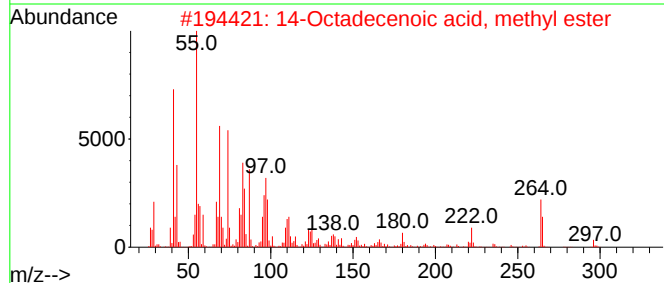
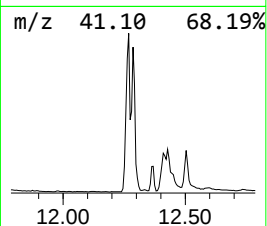
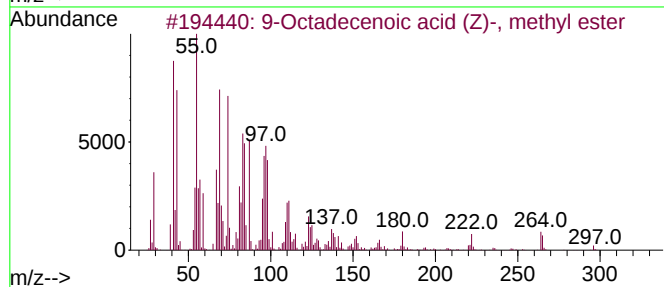
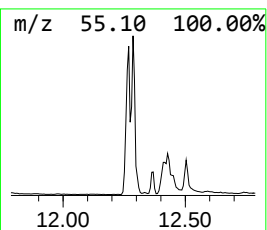
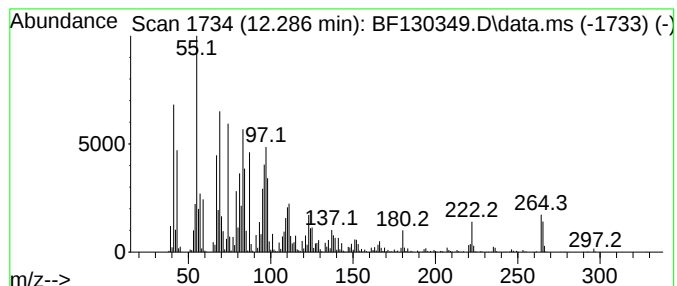
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

| R.T.   | EstConc   | Area                                | Relative to ISTD | R.T.     |             |      |
|--------|-----------|-------------------------------------|------------------|----------|-------------|------|
| 12.286 | 156.05 ng | 3915240                             | Phenanthrene-d10 | 11.169   |             |      |
| Hit#   | of 5      | Tentative ID                        | MW               | MolForm  | CAS#        | Qual |
| 1      |           | 9-Octadecenoic acid (Z)-, methyl... | 296              | C19H36O2 | 000112-62-9 | 99   |
| 2      |           | 14-Octadecenoic acid, methyl ester  | 296              | C19H36O2 | 056554-48-4 | 99   |
| 3      |           | 10-Octadecenoic acid, methyl ester  | 296              | C19H36O2 | 013481-95-3 | 99   |
| 4      |           | 11-Octadecenoic acid, methyl est... | 296              | C19H36O2 | 001937-63-9 | 99   |
| 5      |           | 9-Octadecenoic acid, methyl ester   | 296              | C19H36O2 | 002462-84-2 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

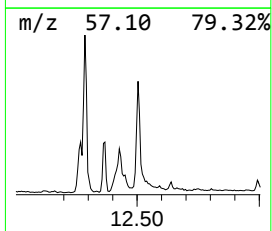
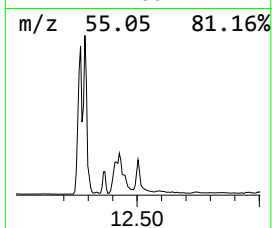
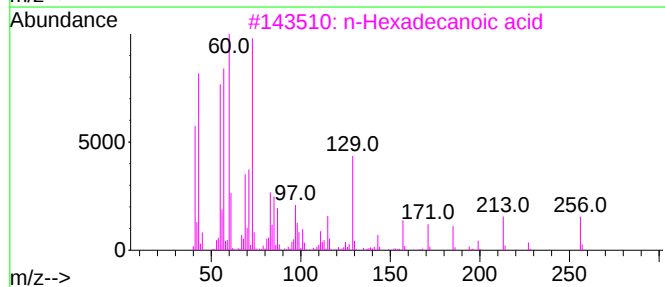
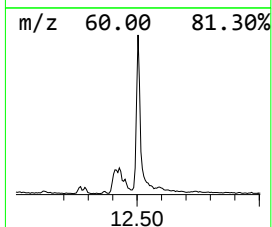
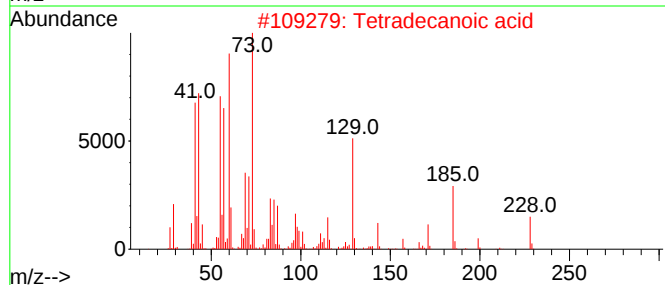
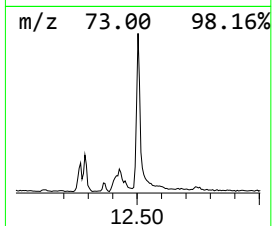
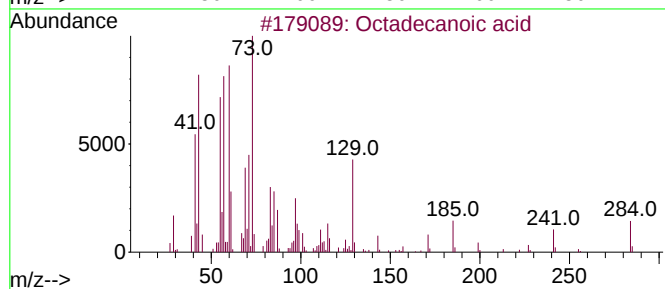
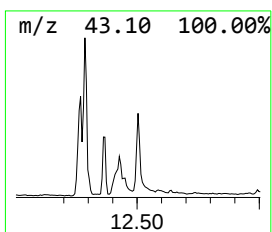
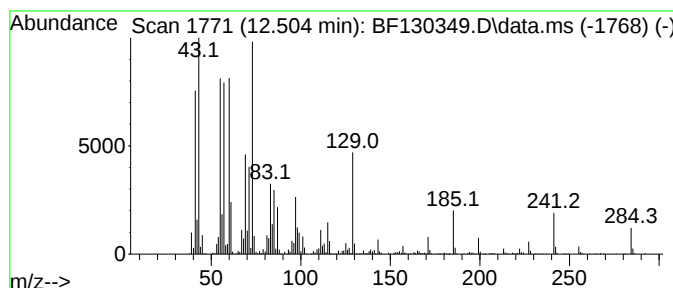
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Octadecanoic acid Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.504 | 30.18 ng | 1257130 | Chrysene-d12     | 13.798 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |
| 5    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

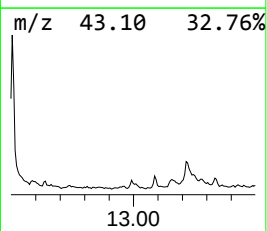
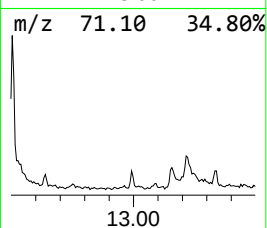
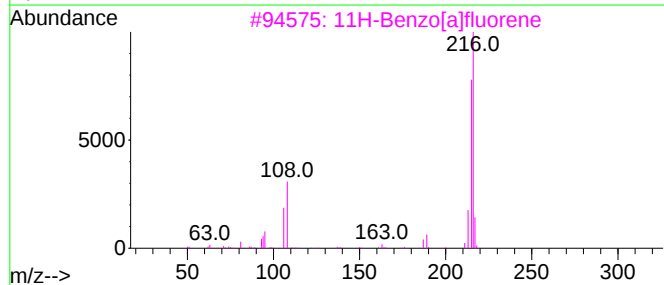
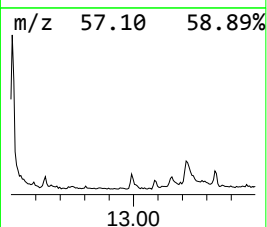
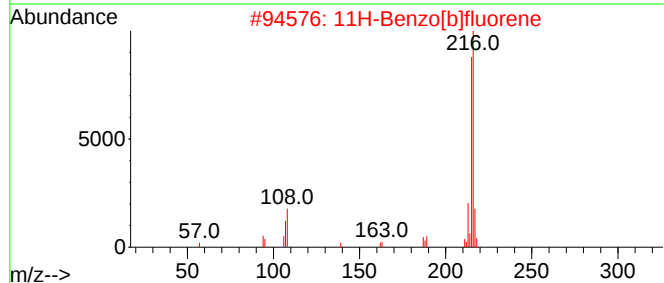
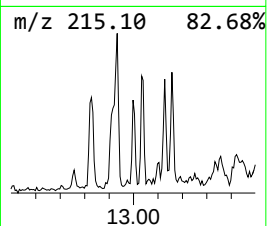
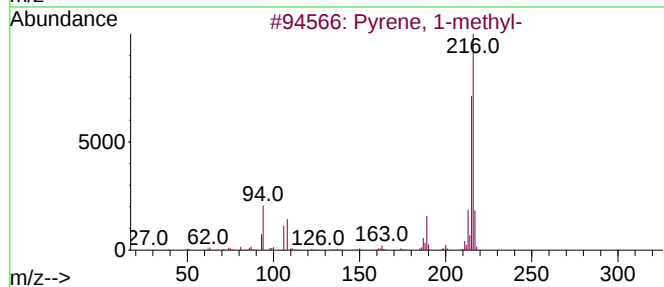
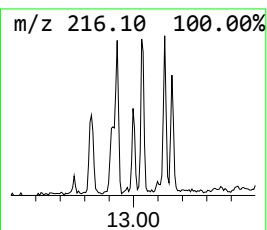
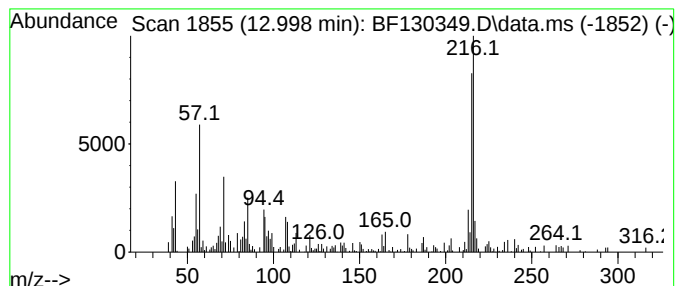
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Pyrene, 1-methyl- Concentration Rank 17

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.998 | 2.23 ng | 92769 | Chrysene-d12     | 13.798 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Pyrene, 1-methyl-                   | 216 | C17H12     | 002381-21-7 | 68   |
| 2    |    |   | 11H-Benzo[b]fluorene                | 216 | C17H12     | 000243-17-4 | 64   |
| 3    |    |   | 11H-Benzo[a]fluorene                | 216 | C17H12     | 000238-84-6 | 58   |
| 4    |    |   | Fluoranthene, 2-methyl-             | 216 | C17H12     | 033543-31-6 | 58   |
| 5    |    |   | Benzoic acid, 3-(3,5-dimethyl-1-... | 216 | C12H12N2O2 | 312531-88-7 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

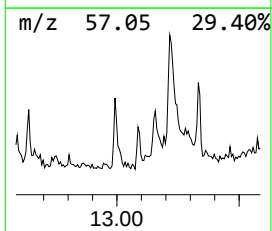
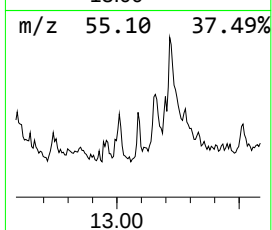
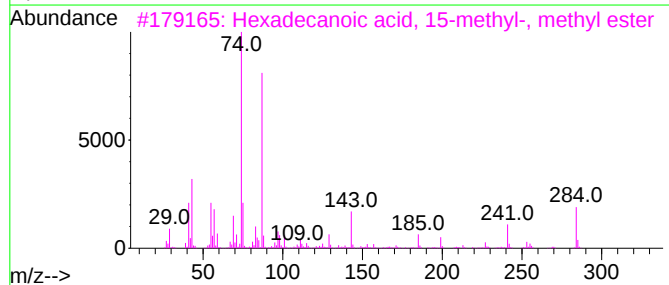
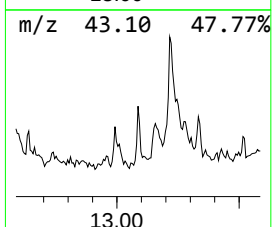
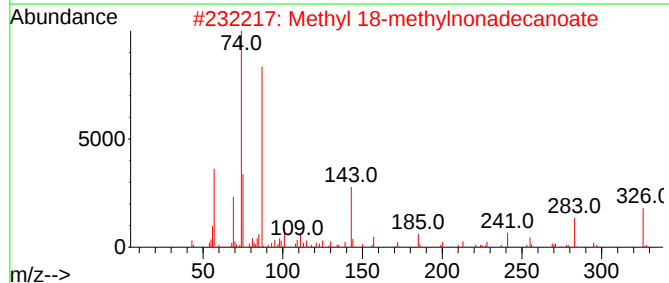
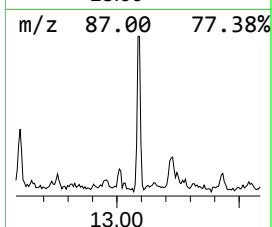
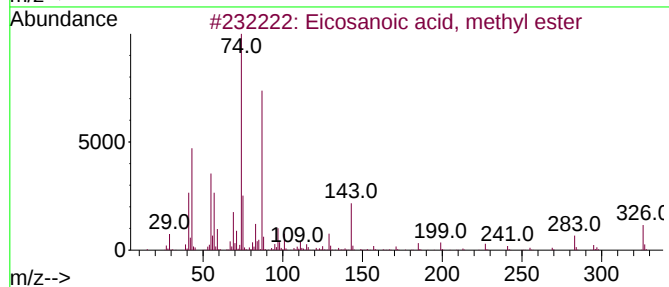
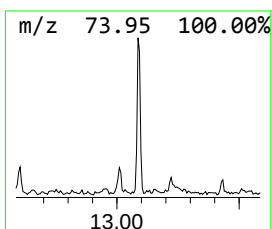
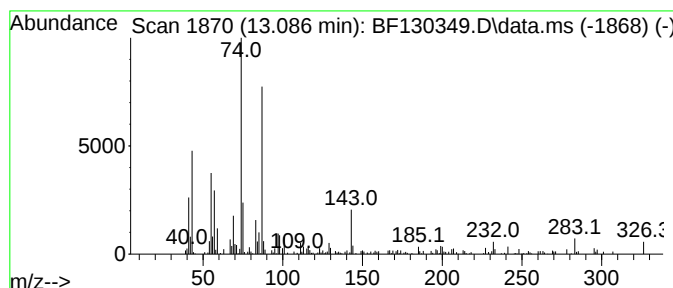
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Eicosanoic acid, methyl ester Concentration Rank 18

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|--------------|------|
| 13.086    | 2.05 ng                             | 85499 | Chrysene-d12     | 13.798       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#         | Qual |
| 1         | Eicosanoic acid, methyl ester       | 326   | C21H42O2         | 001120-28-1  | 95   |
| 2         | Methyl 18-methylnonadecanoate       | 326   | C21H42O2         | 1000424-52-4 | 94   |
| 3         | Hexadecanoic acid, 15-methyl-, m... | 284   | C18H36O2         | 006929-04-0  | 90   |
| 4         | Hexadecanoic acid, methyl ester     | 270   | C17H34O2         | 000112-39-0  | 87   |
| 5         | Heptadecanoic acid, methyl ester    | 284   | C18H36O2         | 001731-92-6  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

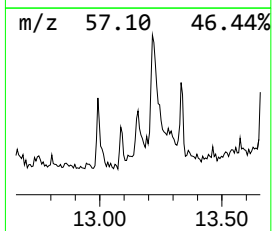
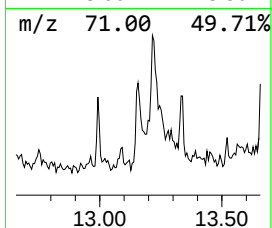
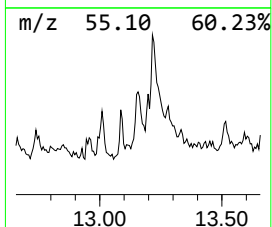
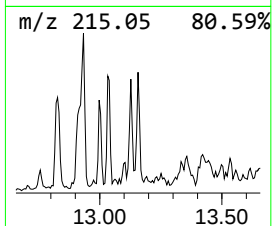
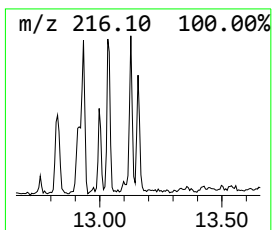
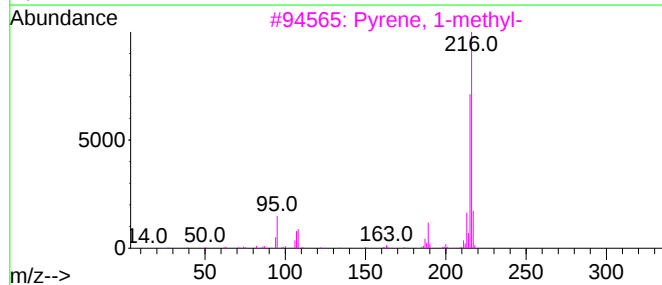
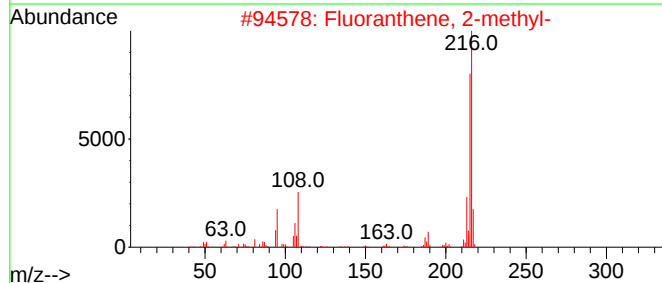
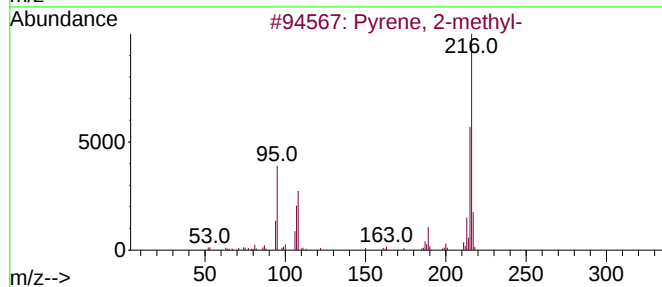
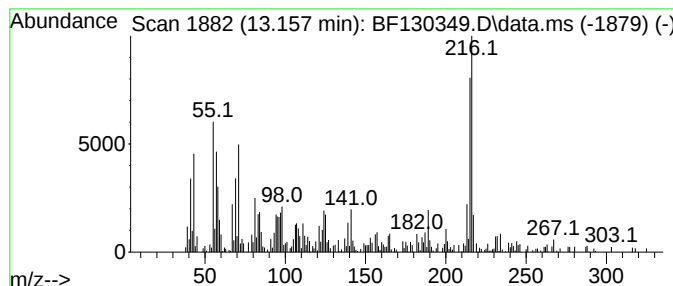
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Pyrene, 2-methyl- Concentration Rank 12

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 13.157    | 4.57 ng                 | 190394 | Chrysene-d12     | 13.798      |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 64   |
| 2         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 64   |
| 3         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 55   |
| 4         | 11H-Benzo[a]fluorene    | 216    | C17H12           | 000238-84-6 | 53   |
| 5         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

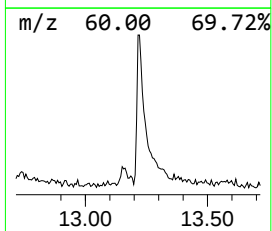
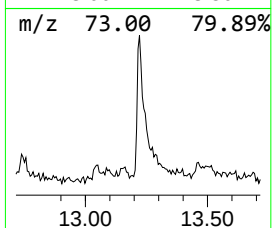
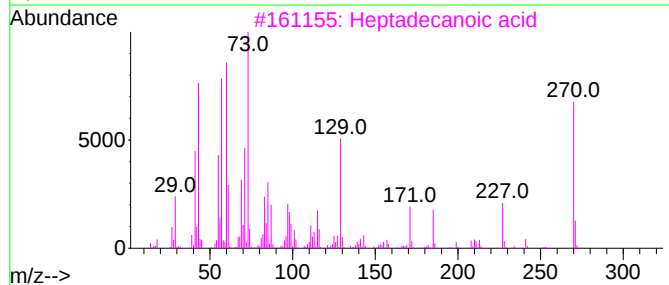
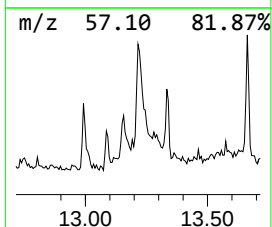
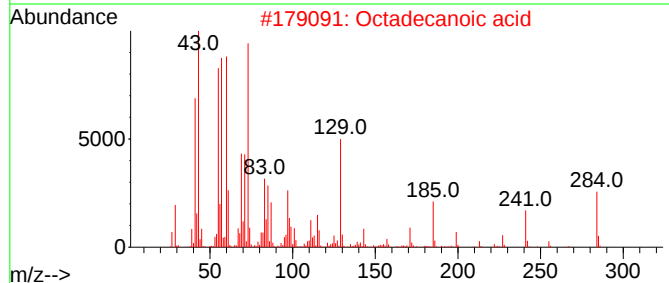
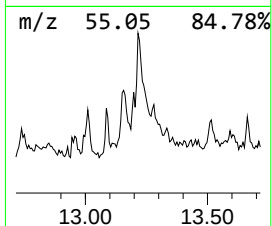
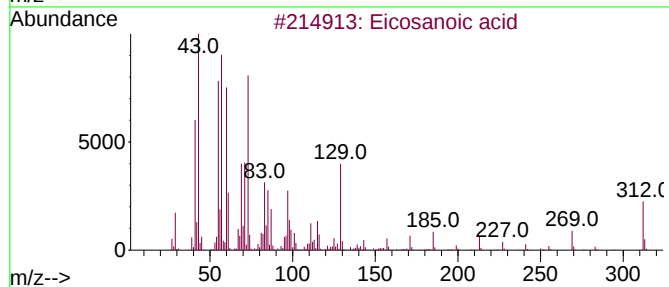
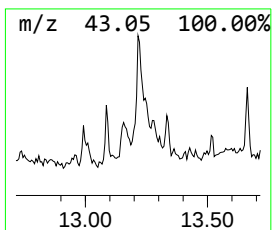
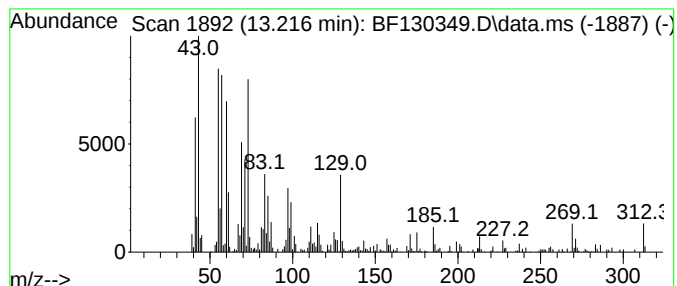
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Eicosanoic acid Concentration Rank 10

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.216 | 12.32 ng | 513036 | Chrysene-d12     | 13.798 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Eicosanoic acid     | 312 | C20H40O2 | 000506-30-9 | 99   |
| 2    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 94   |
| 3    |    |   | Heptadecanoic acid  | 270 | C17H34O2 | 000506-12-7 | 83   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 60   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

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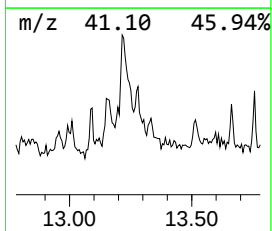
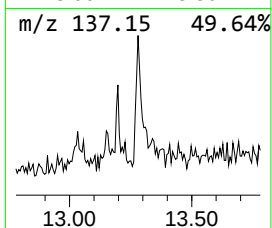
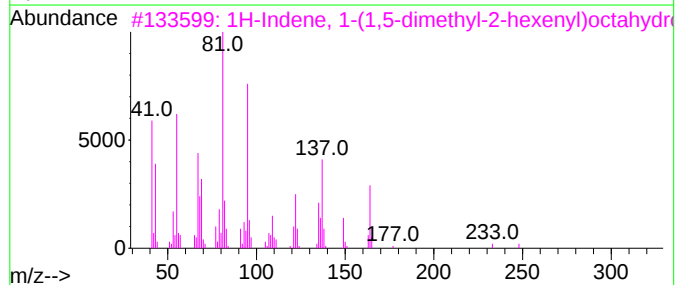
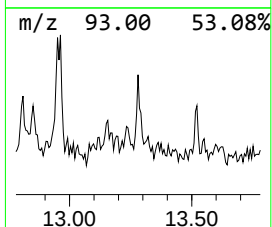
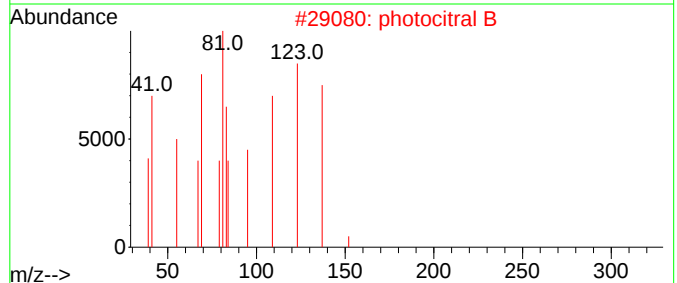
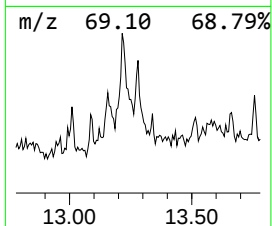
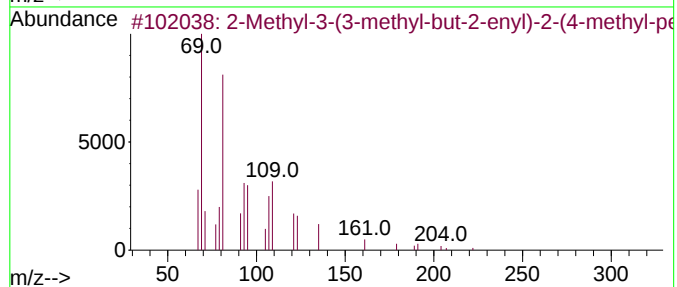
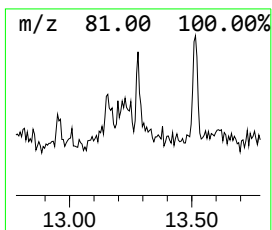
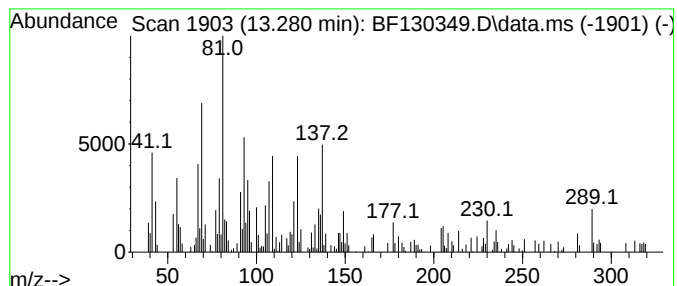
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown13.280 Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.280 | 2.59 ng | 107708 | Chrysene-d12     | 13.798 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Methyl-3-(3-methyl-but-2-enyl)... | 222 | C15H26O | 1000144-10-2 | 47   |
| 2    |    |   | photocitral B                       | 152 | C10H16O | 006040-45-5  | 46   |
| 3    |    |   | 1H-Indene, 1-(1,5-dimethyl-2-hex... | 248 | C18H32  | 054411-95-9  | 43   |
| 4    |    |   | cis-3-Methyl-endo-tricyclo[5.2.1... | 150 | C11H18  | 1000215-29-0 | 35   |
| 5    |    |   | 3-Octyne, 2,2,7-trimethyl-          | 152 | C11H20  | 055402-13-6  | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

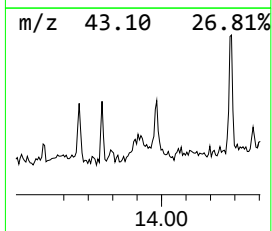
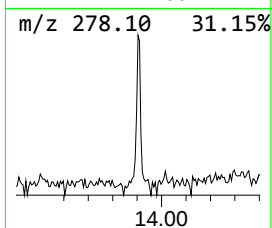
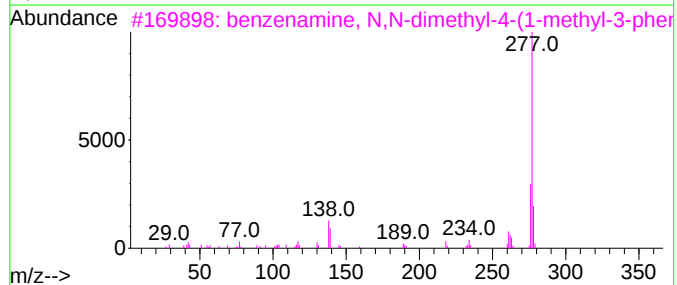
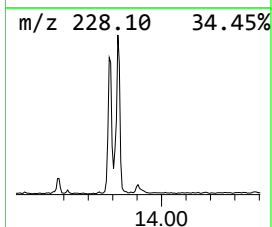
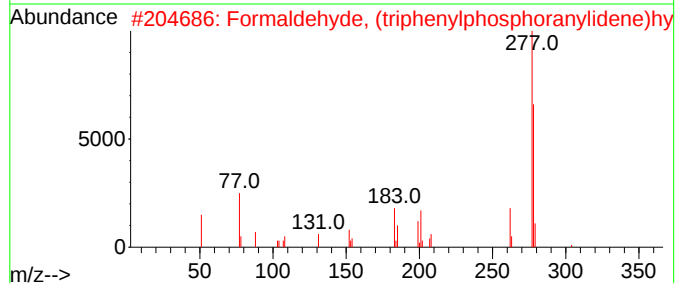
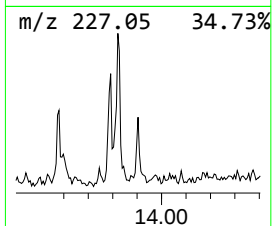
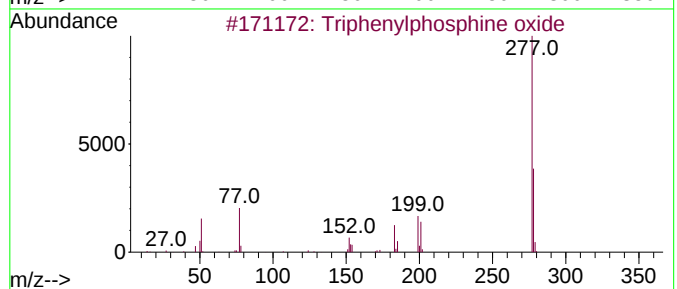
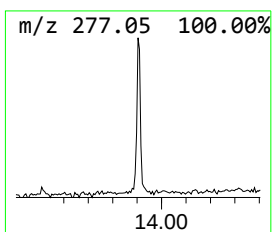
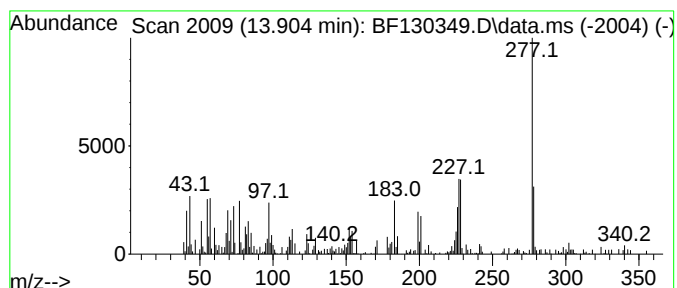
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Triphenylphosphine oxide Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.904 | 3.73 ng | 155332 | Chrysene-d12     | 13.798 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | Triphenylphosphine oxide            | 278 | C18H15OP   | 000791-28-6  | 87   |
| 2    |      | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P  | 015990-54-2  | 38   |
| 3    |      | benzenamine, N,N-dimethyl-4-(1-m... | 277 | C18H19N3   | 1000397-11-0 | 30   |
| 4    |      | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19N03S | 1000483-83-4 | 30   |
| 5    |      | 2-Phenyl-6-(trifluoromethyl)-1H...  | 277 | C15H10F3NO | 1000387-59-3 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

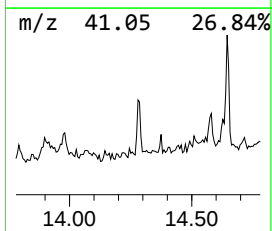
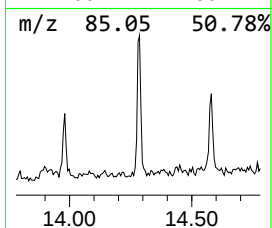
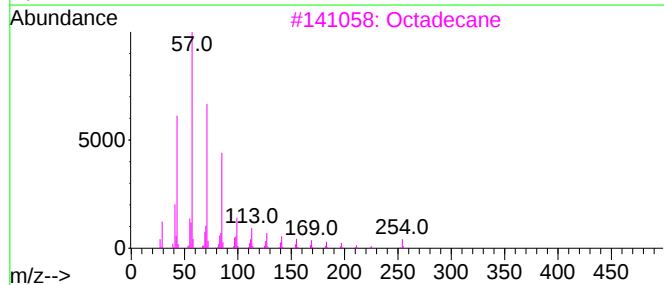
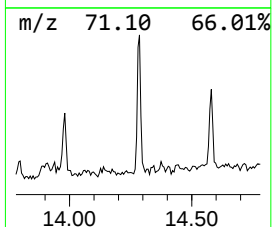
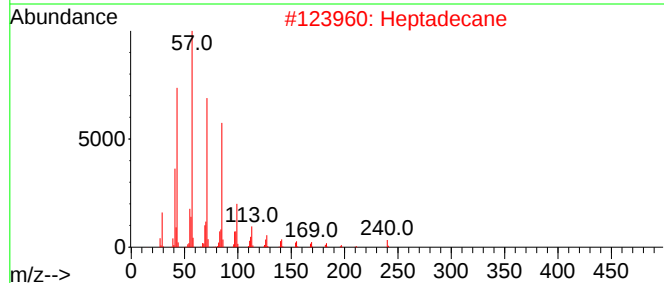
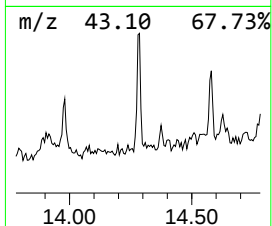
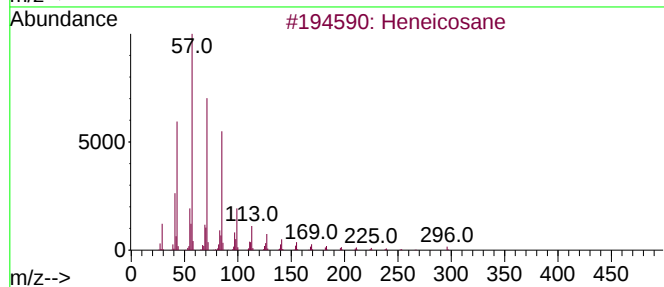
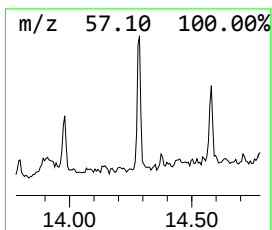
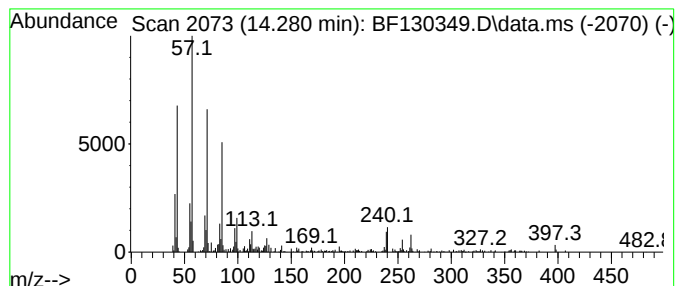
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heneicosane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.280 | 4.29 ng | 178606 | Chrysene-d12     | 13.798 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Heneicosane          | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |      | Heptadecane          | 240 | C17H36  | 000629-78-7 | 95   |
| 3    |      | Octadecane           | 254 | C18H38  | 000593-45-3 | 90   |
| 4    |      | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 90   |
| 5    |      | Nonadecane           | 268 | C19H40  | 000629-92-5 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

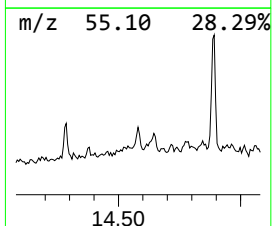
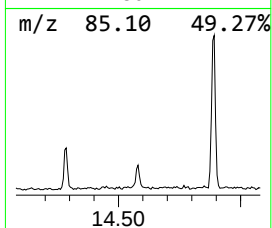
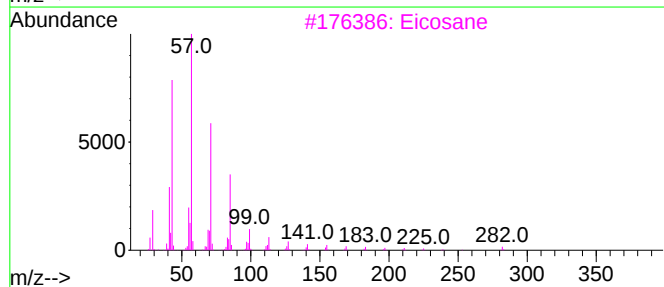
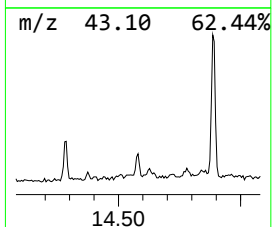
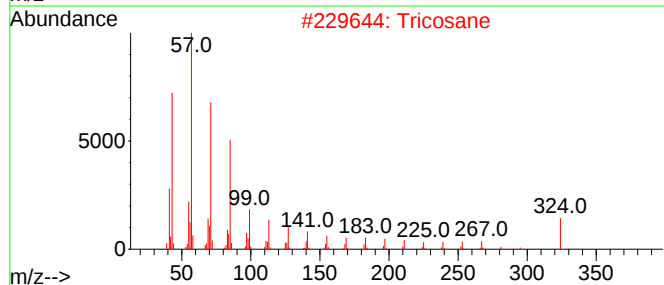
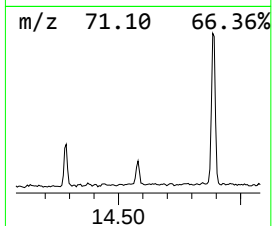
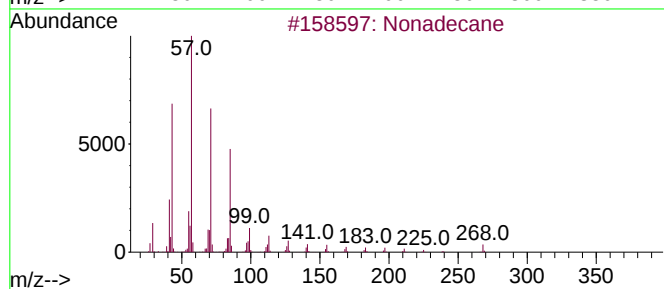
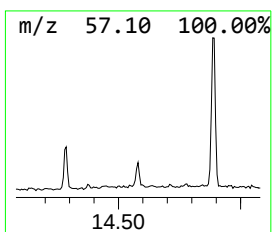
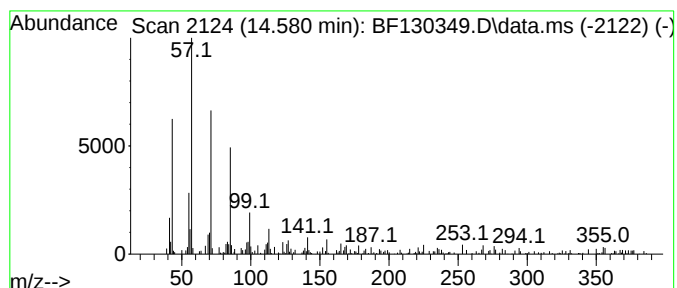
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Nonadecane Concentration Rank 15

| R.T.      | EstConc      | Area  | Relative to ISTD | R.T.        |      |
|-----------|--------------|-------|------------------|-------------|------|
| 14.580    | 3.66 ng      | 89626 | Perylene-d12     | 15.192      |      |
| Hit# of 5 | Tentative ID | MW    | MolForm          | CAS#        | Qual |
| 1         | Nonadecane   | 268   | C19H40           | 000629-92-5 | 95   |
| 2         | Tricosane    | 324   | C23H48           | 000638-67-5 | 91   |
| 3         | Eicosane     | 282   | C20H42           | 000112-95-8 | 90   |
| 4         | Hexacosane   | 366   | C26H54           | 000630-01-3 | 87   |
| 5         | Pentacosane  | 352   | C25H52           | 000629-99-2 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

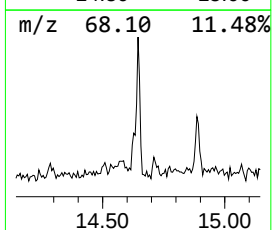
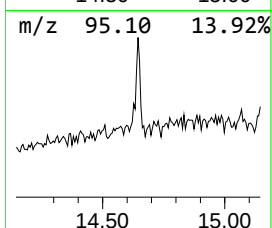
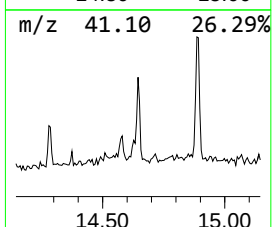
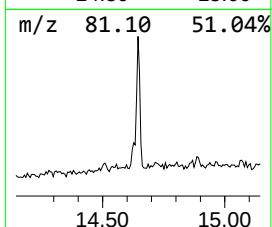
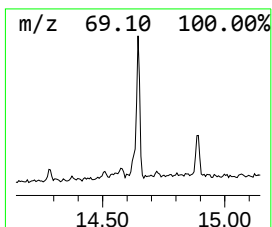
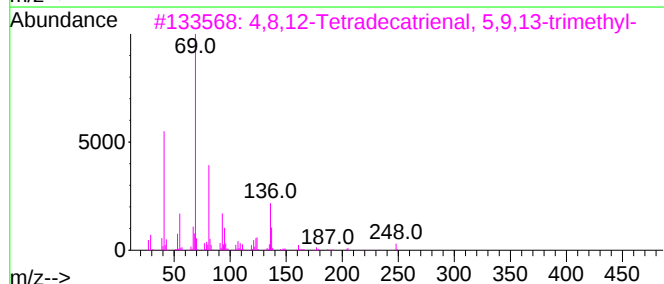
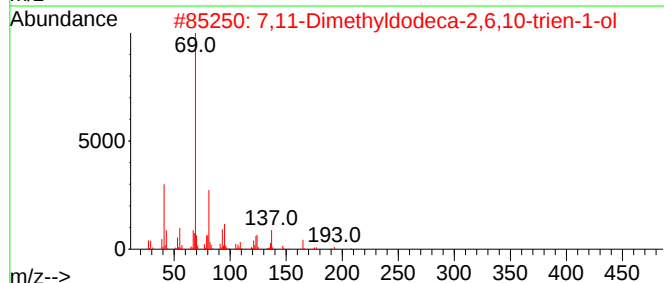
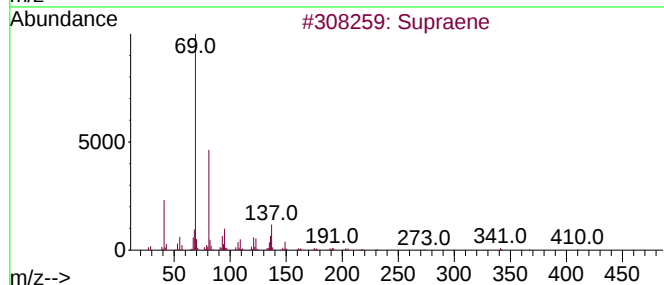
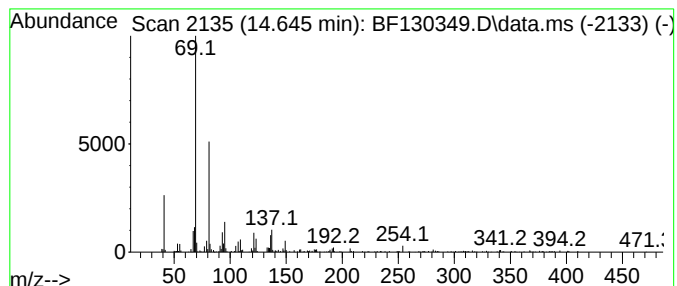
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Supraene Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.645 | 7.62 ng | 186884 | Perylene-d12     | 15.192 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Supraene                            | 410 | C30H50   | 007683-64-9 | 94   |
| 2    |    |   | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O  | 125529-10-4 | 83   |
| 3    |    |   | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O  | 066408-55-7 | 72   |
| 4    |    |   | trans-Geranylgeraniol               | 290 | C20H34O  | 024034-73-9 | 64   |
| 5    |    |   | (2E,6E,10E)-3,7,11,15-Tetramethy... | 318 | C21H34O2 | 125456-63-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

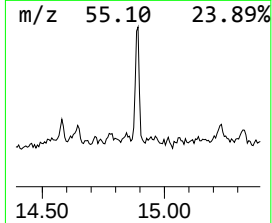
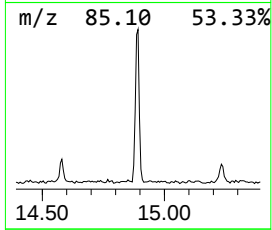
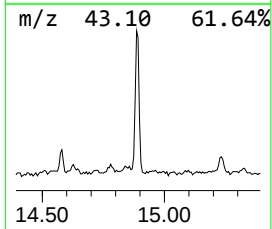
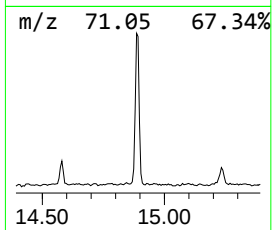
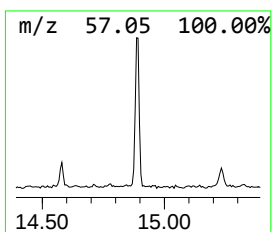
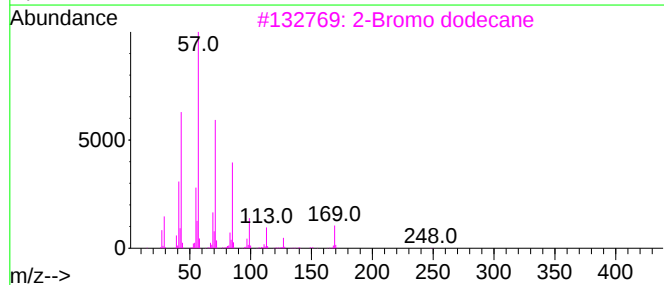
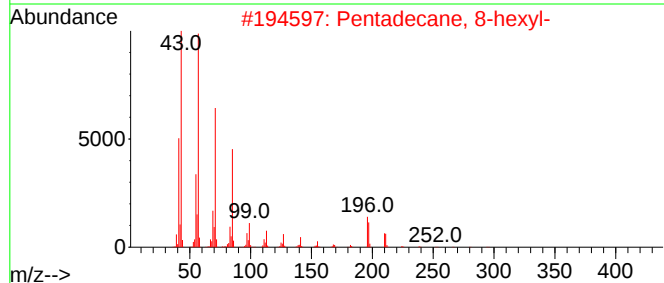
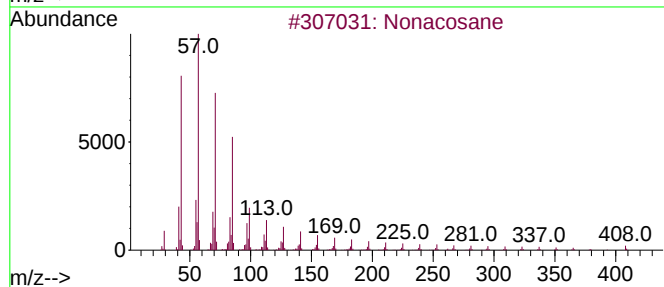
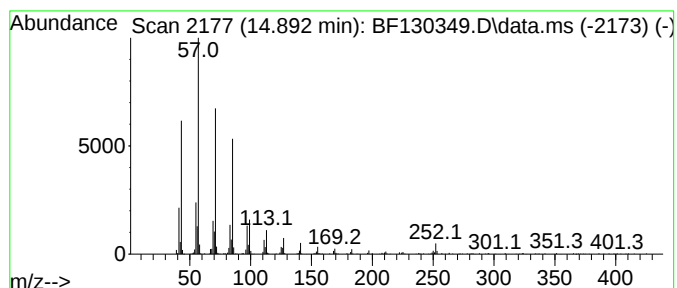
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Nonacosane Concentration Rank 6

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 14.892    | 24.63 ng              | 603829 | Perylene-d12     | 15.192      |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Nonacosane            | 408    | C29H60           | 000630-03-5 | 94   |
| 2         | Pentadecane, 8-hexyl- | 296    | C21H44           | 013475-75-7 | 93   |
| 3         | 2-Bromo dodecane      | 248    | C12H25Br         | 013187-99-0 | 91   |
| 4         | Heptadecane, 9-octyl- | 352    | C25H52           | 007225-64-1 | 90   |
| 5         | Octacosane            | 394    | C28H58           | 000630-02-4 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

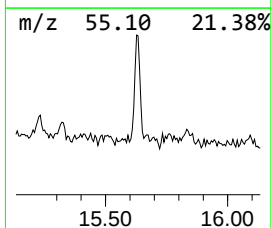
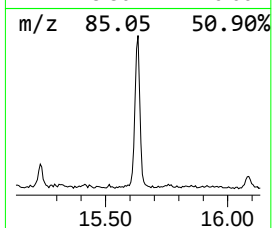
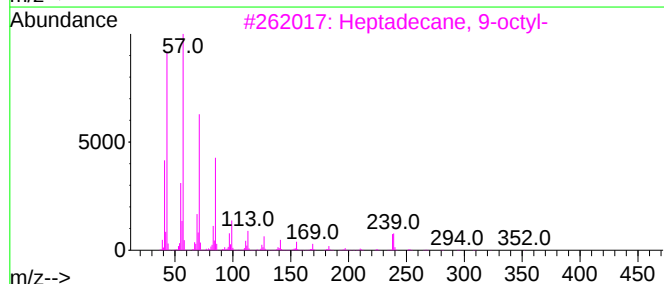
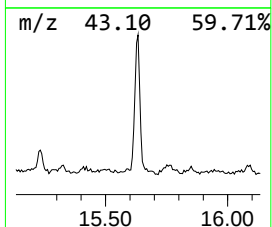
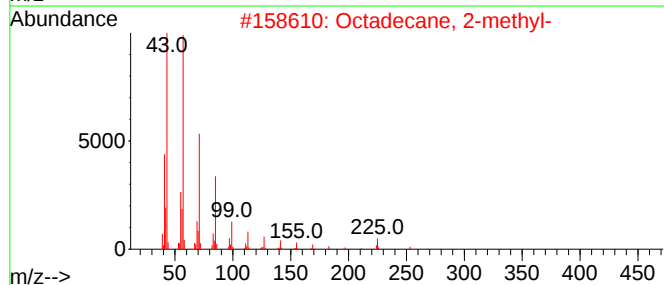
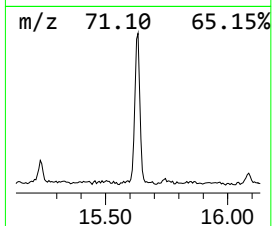
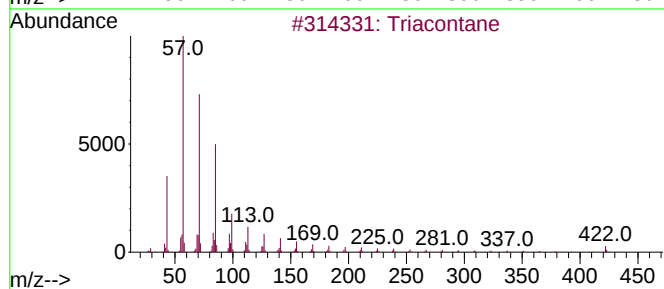
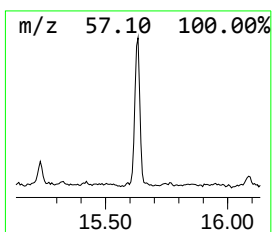
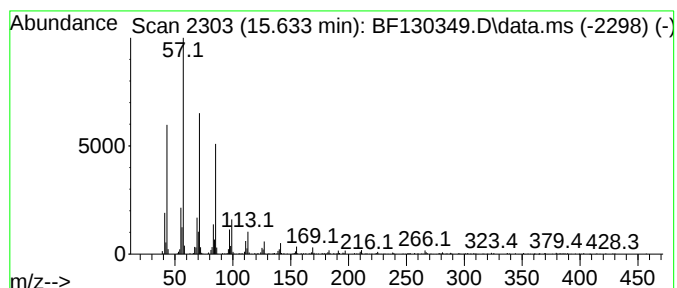
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Triacontane Concentration Rank 7

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.633 | 23.29 ng | 571033 | Perylene-d12     | 15.192 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Triacontane           | 422 | C30H62  | 000638-68-6 | 97   |
| 2    |      | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 3    |      | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 4    |      | Hexacosane            | 366 | C26H54  | 000630-01-3 | 90   |
| 5    |      | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

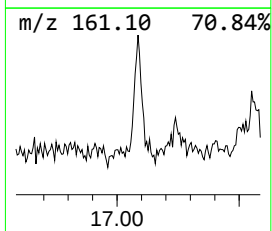
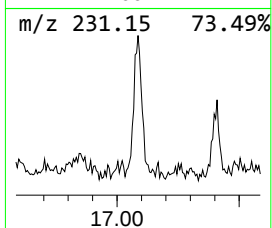
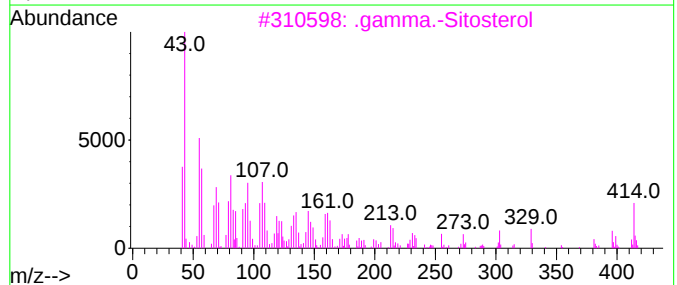
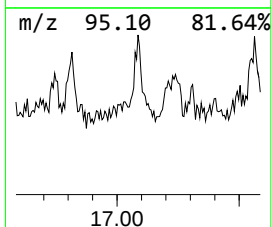
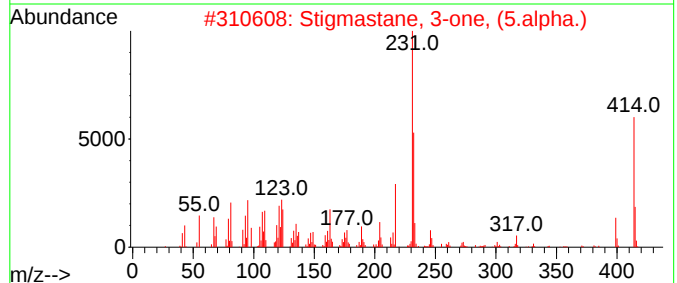
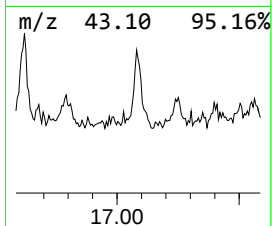
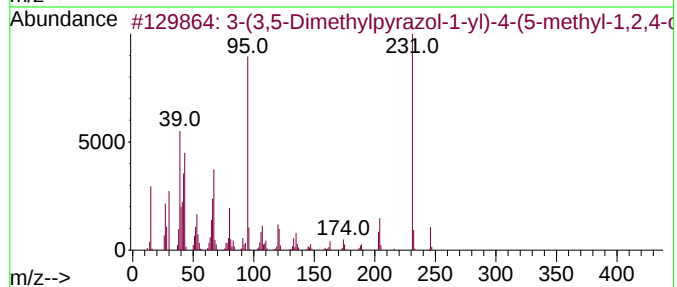
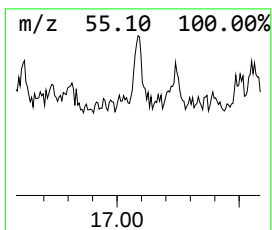
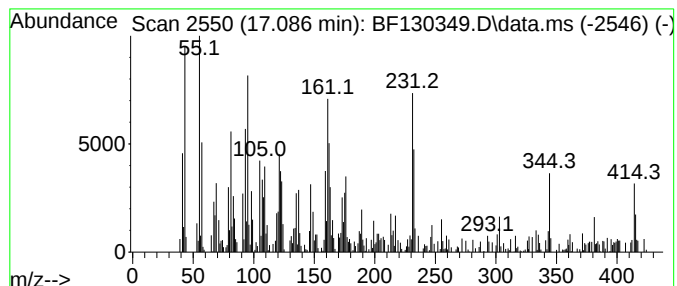
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 unknown17.086 Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 17.086 | 12.89 ng | 315963 | Perylene-d12     | 15.192 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 3-(3,5-Dimethylpyrazol-1-yl)-4-(... | 246 | C10H10N6O2   | 1000436-49-9 | 38      |      |      |
| 2    | Stigmastane, 3-one, (5.alpha.)      | 414 | C29H50O      | 1000437-00-8 | 38      |      |      |
| 3    | .gamma.-Sitosterol                  | 414 | C29H50O      | 000083-47-6  | 30      |      |      |
| 4    | 5,17-Dehydroallomatridine, (6.be... | 232 | C15H24N2     | 053537-50-1  | 30      |      |      |
| 5    | 4-(Pentafluorothio)benzaldehyde     | 232 | C7H5F5OS     | 401892-84-0  | 25      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

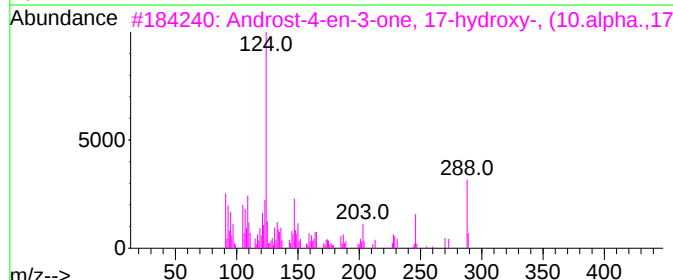
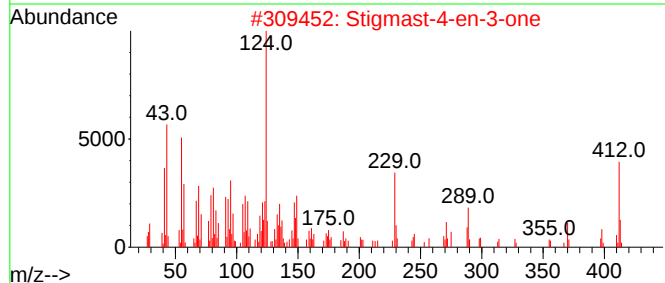
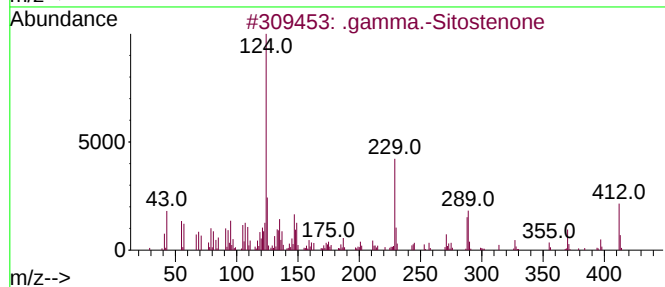
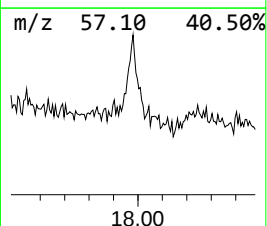
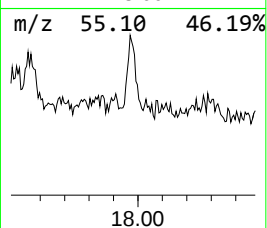
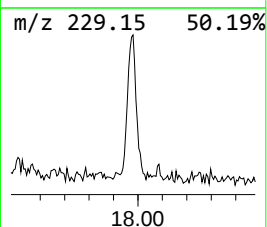
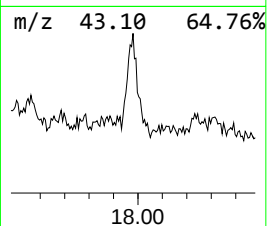
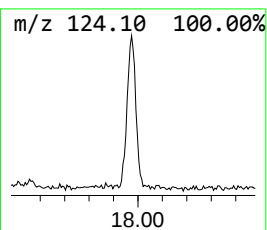
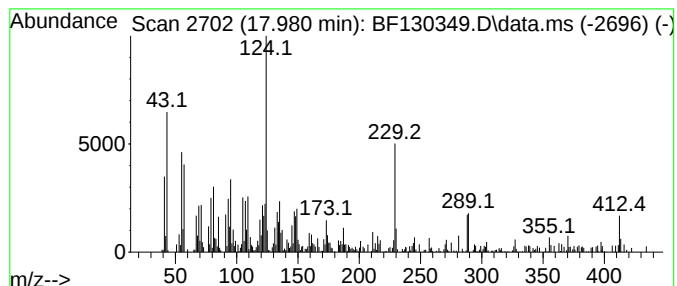
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 .gamma.-Sitostenone Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 17.980 | 14.93 ng | 366173 | Perylene-d12     | 15.192 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | .gamma.-Sitostenone                 | 412 | C29H48O  | 084924-96-9 | 93   |
| 2    |    |   | Stigmast-4-en-3-one                 | 412 | C29H48O  | 001058-61-3 | 93   |
| 3    |    |   | Androst-4-en-3-one, 17-hydroxy-,... | 288 | C19H28O2 | 000604-39-7 | 83   |
| 4    |    |   | Testosterone                        | 288 | C19H28O2 | 000058-22-0 | 60   |
| 5    |    |   | 7.alpha.-Hydroxytestosterone        | 304 | C19H28O3 | 000062-83-9 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092022\  
Data File : BF130349.D  
Acq On : 20 Sep 2022 17:49  
Operator : CG\JU  
Sample : N4702-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-091622

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.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 |
| Hexadecanoic ac... | 11.575 | 55.7    | ng    | 1396490  | 4                     | 11.169 | 501798 | 20.0 |
| n-Hexadecanoic ... | 11.733 | 152.9   | ng    | 3836290  | 4                     | 11.169 | 501798 | 20.0 |
| 9,15-Octadecadi... | 12.269 | 296.2   | ng    | 7431230  | 4                     | 11.169 | 501798 | 20.0 |
| 9-Octadecenoic ... | 12.286 | 156.1   | ng    | 3915240  | 4                     | 11.169 | 501798 | 20.0 |
| Octadecanoic acid  | 12.504 | 30.2    | ng    | 1257130  | 5                     | 13.798 | 833165 | 20.0 |
| Pyrene, 1-methyl-  | 12.998 | 2.2     | ng    | 92769    | 5                     | 13.798 | 833165 | 20.0 |
| Eicosanoic acid... | 13.086 | 2.0     | ng    | 85499    | 5                     | 13.798 | 833165 | 20.0 |
| Pyrene, 2-methyl-  | 13.157 | 4.6     | ng    | 190394   | 5                     | 13.798 | 833165 | 20.0 |
| Eicosanoic acid    | 13.216 | 12.3    | ng    | 513036   | 5                     | 13.798 | 833165 | 20.0 |
| unknown13.280      | 13.280 | 2.6     | ng    | 107708   | 5                     | 13.798 | 833165 | 20.0 |
| Triphenylphosph... | 13.904 | 3.7     | ng    | 155332   | 5                     | 13.798 | 833165 | 20.0 |
| Heneicosane        | 14.280 | 4.3     | ng    | 178606   | 5                     | 13.798 | 833165 | 20.0 |
| Nonadecane         | 14.580 | 3.7     | ng    | 89626    | 6                     | 15.192 | 490364 | 20.0 |
| Supraene           | 14.645 | 7.6     | ng    | 186884   | 6                     | 15.192 | 490364 | 20.0 |
| Nonacosane         | 14.892 | 24.6    | ng    | 603829   | 6                     | 15.192 | 490364 | 20.0 |
| triacontane        | 15.633 | 23.3    | ng    | 571033   | 6                     | 15.192 | 490364 | 20.0 |
| unknown17.086      | 17.086 | 12.9    | ng    | 315963   | 6                     | 15.192 | 490364 | 20.0 |
| .gamma.-Sitoste... | 17.980 | 14.9    | ng    | 366173   | 6                     | 15.192 | 490364 | 20.0 |