

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
 Data File : BF138281.D  
 Acq On : 21 Jun 2024 12:54  
 Operator : CG\JU  
 Sample : P2976-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-K-COMP

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-BF061224.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138281.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.181       | 10            | 16          | 21           | rVB      | 3032966        | 3799896       | 55.41%          | 6.657%        |
| 2         | 3.393       | 219           | 222         | 236          | rBV      | 46075          | 96697         | 1.41%           | 0.169%        |
| 3         | 5.104       | 510           | 513         | 519          | rVB      | 260246         | 309109        | 4.51%           | 0.542%        |
| 4         | 5.504       | 576           | 581         | 585          | rBV      | 4967440        | 5517168       | 80.45%          | 9.666%        |
| 5         | 6.516       | 747           | 753         | 756          | rBV      | 4832790        | 5541960       | 80.81%          | 9.709%        |
| 6         | 6.881       | 812           | 815         | 819          | rBV      | 1843828        | 1515594       | 22.10%          | 2.655%        |
| 7         | 7.445       | 906           | 911         | 914          | rBV      | 3874676        | 3671119       | 53.53%          | 6.432%        |
| 8         | 7.692       | 950           | 953         | 957          | rBV      | 199132         | 160510        | 2.34%           | 0.281%        |
| 9         | 8.163       | 1029          | 1033        | 1036         | rBV      | 2565096        | 1991561       | 29.04%          | 3.489%        |
| 10        | 8.475       | 1083          | 1086        | 1096         | rBV      | 168059         | 215149        | 3.14%           | 0.377%        |
| 11        | 9.239       | 1212          | 1216        | 1219         | rBV      | 7739914        | 6858139       | 100.00%         | 12.015%       |
| 12        | 9.916       | 1328          | 1331        | 1335         | rBV      | 2669050        | 2167798       | 31.61%          | 3.798%        |
| 13        | 10.010      | 1343          | 1347        | 1356         | rVB2     | 69161          | 105927        | 1.54%           | 0.186%        |
| 14        | 10.704      | 1461          | 1465        | 1468         | rBV      | 4102844        | 3583181       | 52.25%          | 6.277%        |
| 15        | 11.404      | 1580          | 1584        | 1587         | rBV      | 2110208        | 1850166       | 26.98%          | 3.241%        |
| 16        | 11.927      | 1668          | 1673        | 1678         | rBV      | 535835         | 545512        | 7.95%           | 0.956%        |
| 17        | 12.027      | 1682          | 1690        | 1696         | rBV2     | 153386         | 378624        | 5.52%           | 0.663%        |
| 18        | 12.710      | 1802          | 1806        | 1819         | rBV2     | 159630         | 215461        | 3.14%           | 0.377%        |
| 19        | 12.839      | 1819          | 1828        | 1834         | rBV      | 291327         | 612275        | 8.93%           | 1.073%        |
| 20        | 12.986      | 1849          | 1853        | 1857         | rBV      | 5631218        | 5249036       | 76.54%          | 9.196%        |
| 21        | 13.474      | 1929          | 1936        | 1943         | rBV      | 302713         | 555915        | 8.11%           | 0.974%        |
| 22        | 13.557      | 1946          | 1950        | 1953         | rVB2     | 80901          | 102285        | 1.49%           | 0.179%        |
| 23        | 13.880      | 2001          | 2005        | 2009         | rBV      | 283215         | 339999        | 4.96%           | 0.596%        |
| 24        | 13.998      | 2021          | 2025        | 2028         | rBV      | 251160         | 339082        | 4.94%           | 0.594%        |
| 25        | 14.039      | 2028          | 2032        | 2038         | rVB      | 1588302        | 1412473       | 20.60%          | 2.475%        |
| 26        | 14.198      | 2055          | 2059        | 2065         | rVB      | 634353         | 733058        | 10.69%          | 1.284%        |
| 27        | 14.457      | 2100          | 2103        | 2107         | rBV      | 220842         | 283763        | 4.14%           | 0.497%        |
| 28        | 14.510      | 2107          | 2112        | 2117         | rVB      | 1006965        | 1168115       | 17.03%          | 2.046%        |
| 29        | 14.821      | 2158          | 2165        | 2171         | rBV      | 1077272        | 1333376       | 19.44%          | 2.336%        |
| 30        | 14.898      | 2174          | 2178        | 2186         | rBV      | 178545         | 287963        | 4.20%           | 0.504%        |
| 31        | 15.163      | 2217          | 2223        | 2233         | rVB      | 1128561        | 1374482       | 20.04%          | 2.408%        |
| 32        | 15.392      | 2256          | 2262        | 2267         | rBV3     | 119561         | 230872        | 3.37%           | 0.404%        |
| 33        | 15.510      | 2277          | 2282        | 2285         | rBV      | 1122196        | 1384541       | 20.19%          | 2.426%        |
| 34        | 15.545      | 2285          | 2288        | 2299         | rVB      | 785719         | 1118050       | 16.30%          | 1.959%        |
| 35        | 15.992      | 2358          | 2364        | 2378         | rVB      | 550848         | 920673        | 13.42%          | 1.613%        |
| 36        | 16.504      | 2445          | 2451        | 2460         | rBV      | 307773         | 569722        | 8.31%           | 0.998%        |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

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-BF061224.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 37 | 17.110 | 2548 | 2554 | 2563 | rVB  | 163200 | 333871 | 4.87% | 0.585% |
| 38 | 17.827 | 2670 | 2676 | 2687 | rVB2 | 81844  | 206896 | 3.02% | 0.362% |

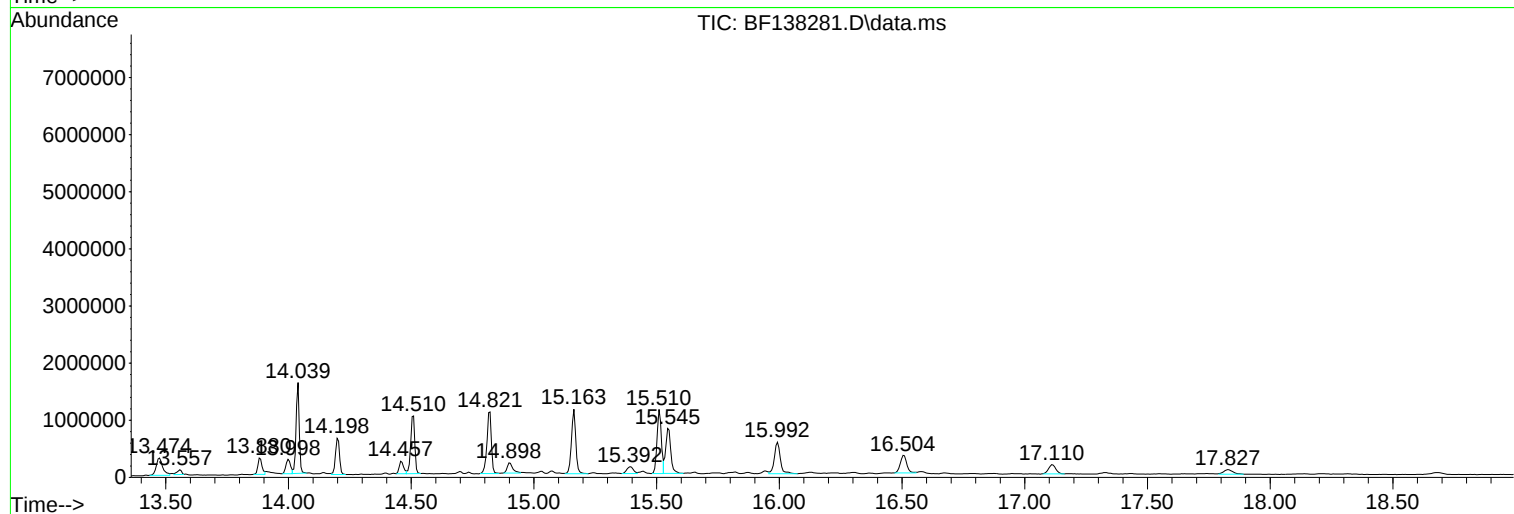
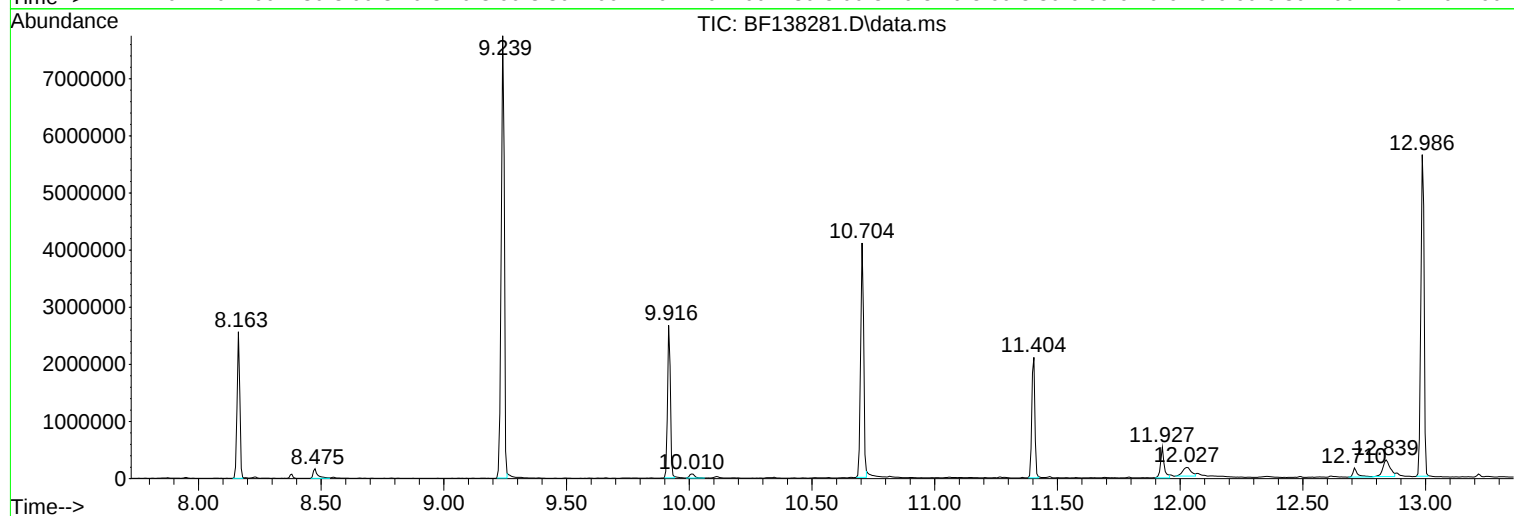
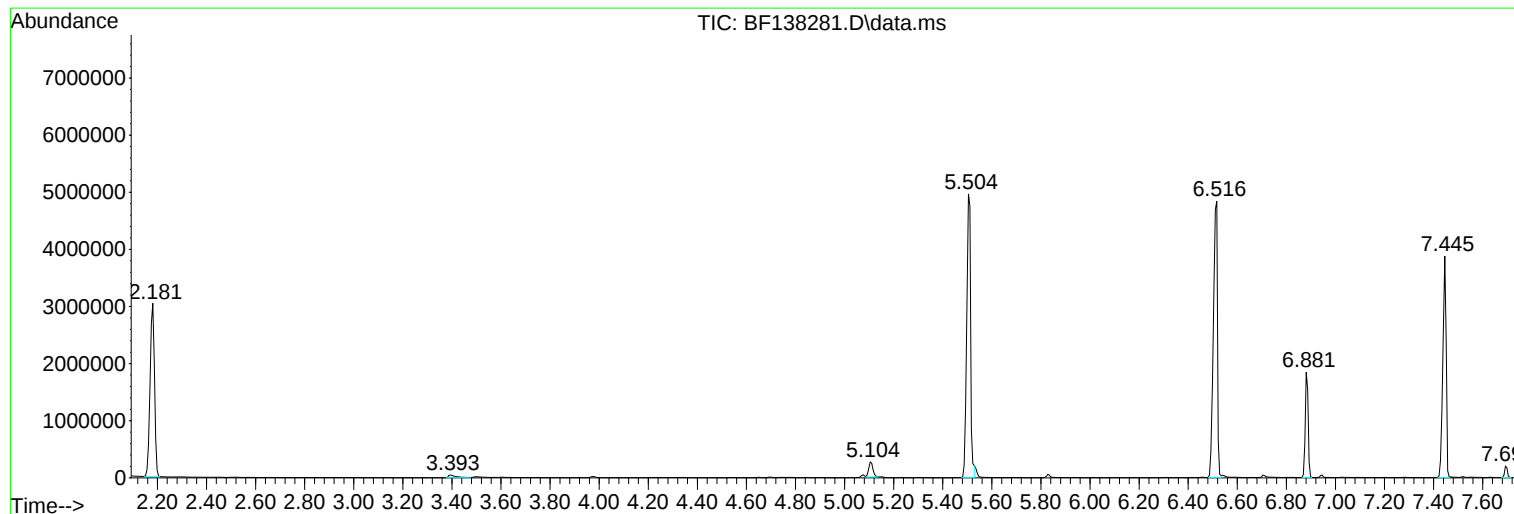
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

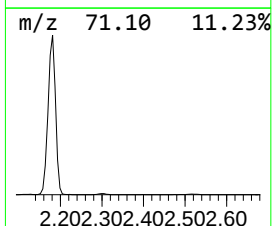
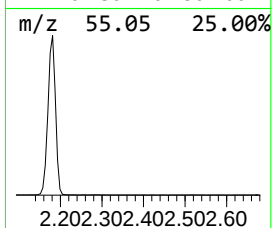
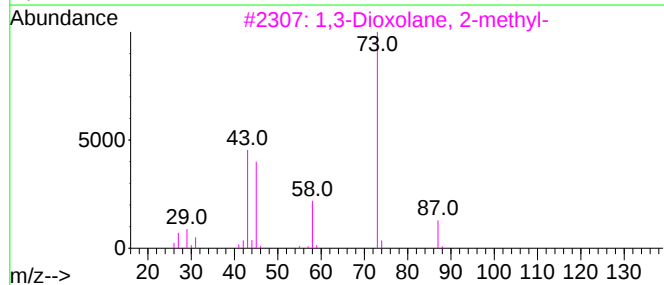
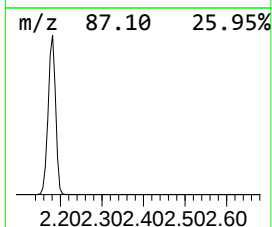
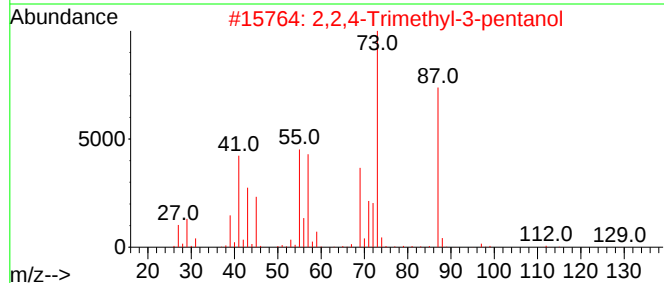
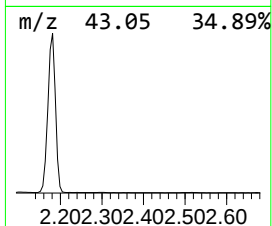
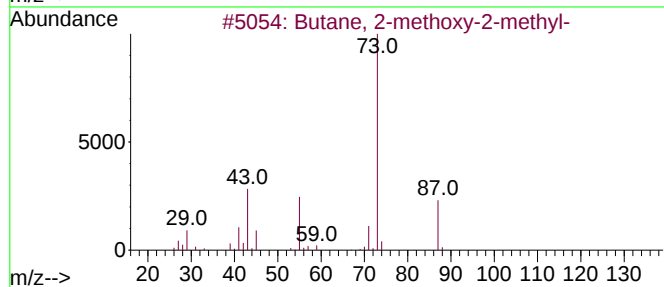
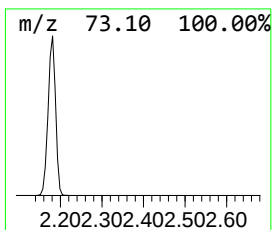
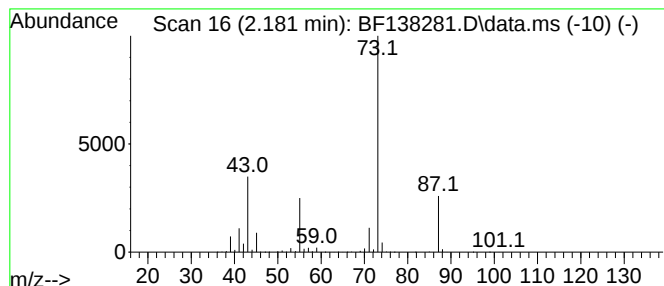
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.181 | 50.14 ng | 3799900 | 1,4-Dichlorobenzene-d4 | 6.881 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 23   |
| 5    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

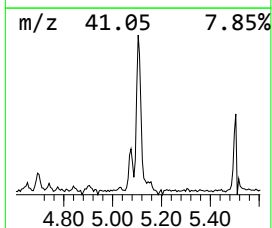
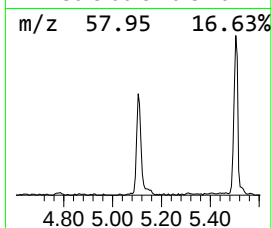
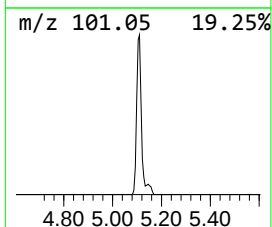
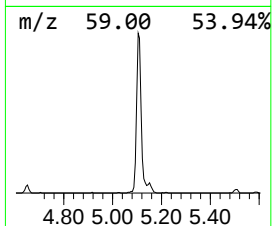
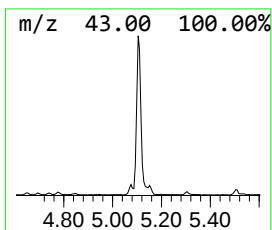
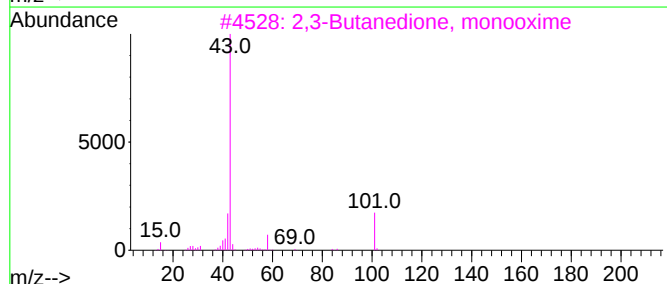
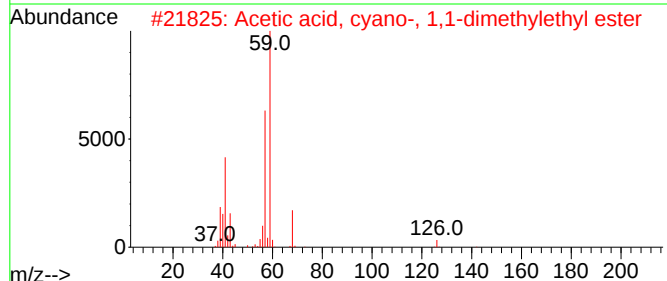
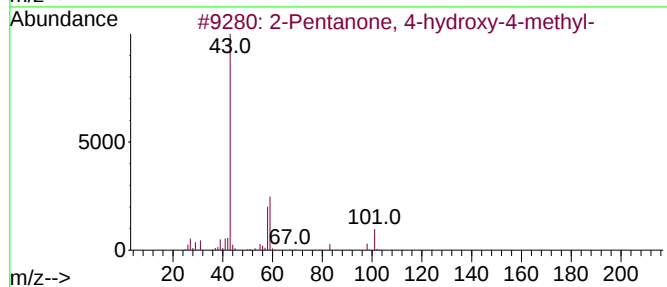
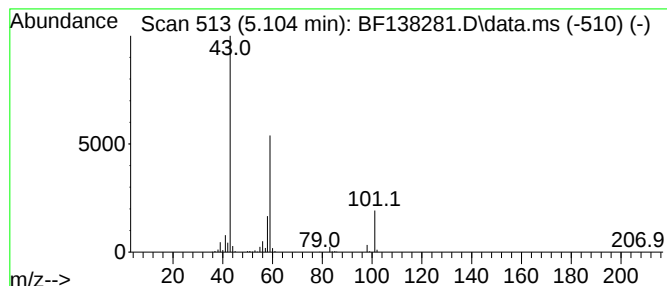
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.104 | 4.08 ng | 309109 | 1,4-Dichlorobenzene-d4 | 6.881 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 16   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |



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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

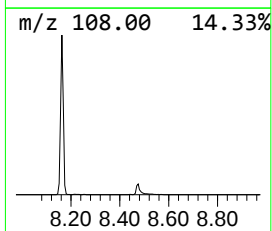
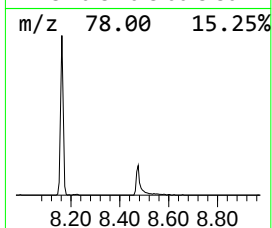
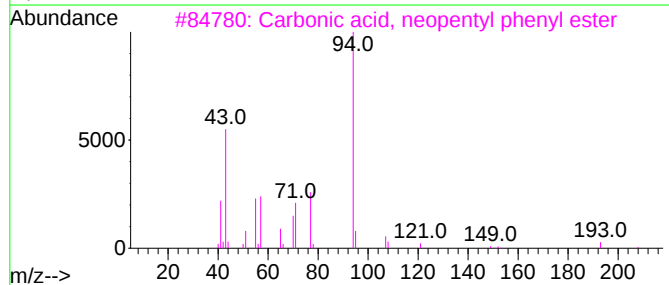
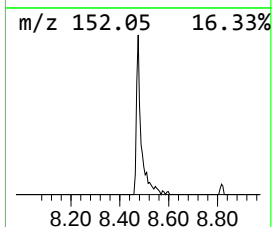
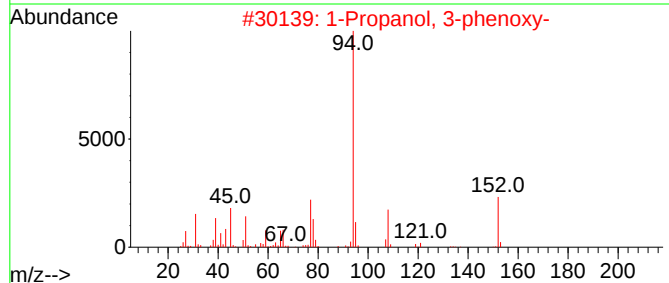
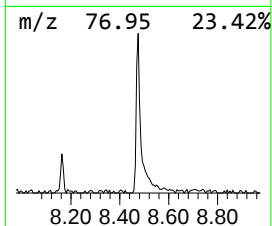
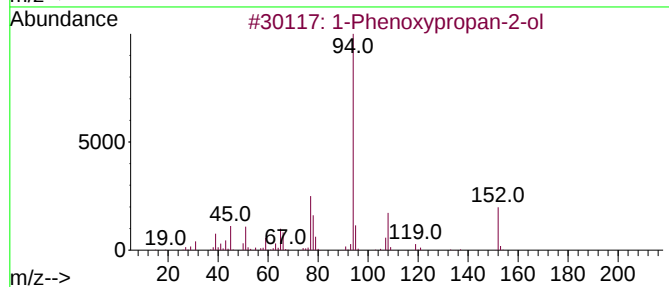
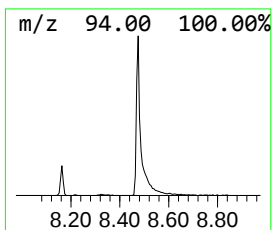
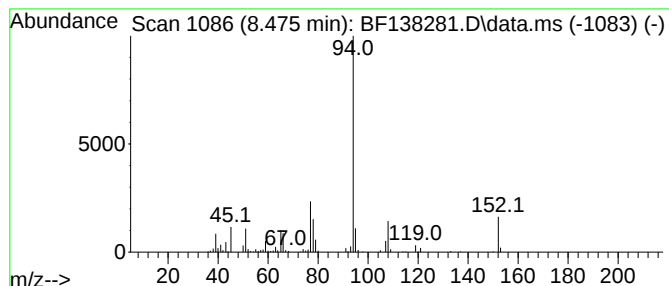
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 1-Phenoxypropan-2-ol Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.475 | 2.16 ng | 215149 | Naphthalene-d8   | 8.163 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 1-Phenoxypropan-2-ol                | 152 | C9H12O2  | 000770-35-4 | 96   |
| 2    |      | 1-Propanol, 3-phenoxy-              | 152 | C9H12O2  | 006180-61-6 | 90   |
| 3    |      | Carbonic acid, neopentyl phenyl ... | 208 | C12H16O3 | 013183-19-2 | 64   |
| 4    |      | Ethanol, 2-phenoxy-                 | 138 | C8H10O2  | 000122-99-6 | 64   |
| 5    |      | 1-Propanol, 2-phenoxy-              | 152 | C9H12O2  | 004169-04-4 | 59   |



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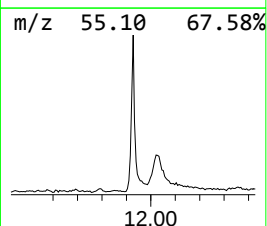
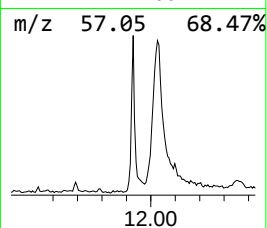
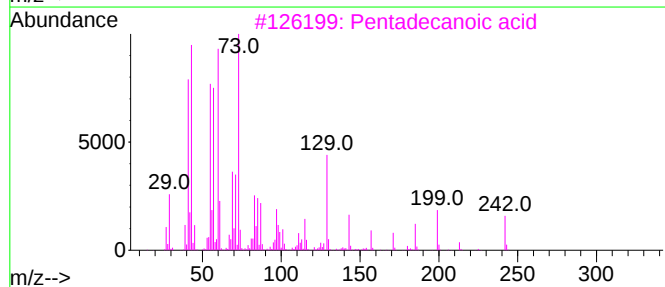
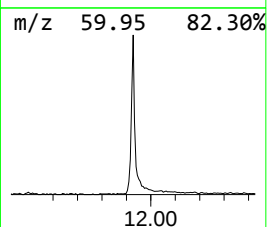
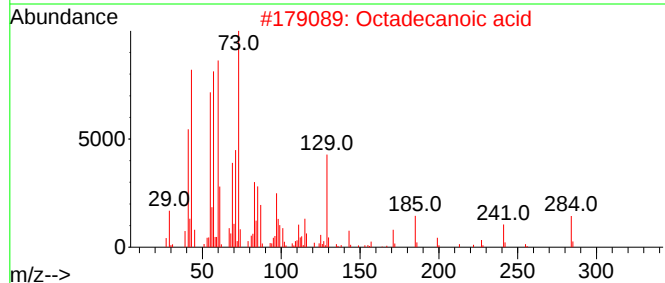
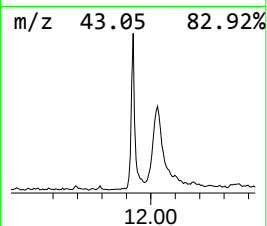
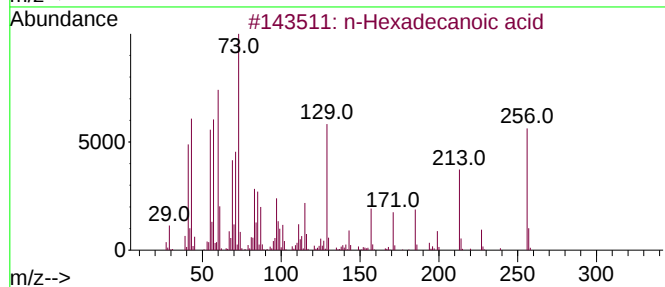
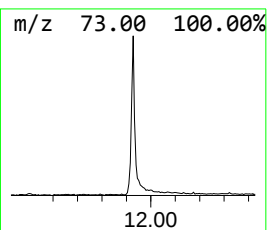
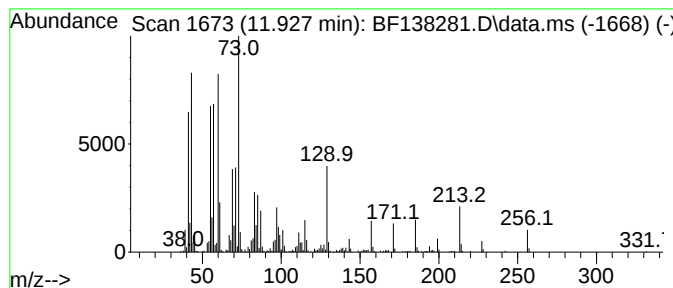
Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 10

| R.T.      | EstConc             | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|--------|------------------|----------|-------------|------|
| 11.928    | 5.90 ng             | 545512 | Phenanthrene-d10 |          | 11.404      |      |
| Hit# of 5 | Tentative ID        |        | MW               | MolForm  | CAS#        | Qual |
| 1         | n-Hexadecanoic acid |        | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2         | Octadecanoic acid   |        | 284              | C18H36O2 | 000057-11-4 | 93   |
| 3         | Pentadecanoic acid  |        | 242              | C15H30O2 | 001002-84-2 | 93   |
| 4         | Tetradecanoic acid  |        | 228              | C14H28O2 | 000544-63-8 | 89   |
| 5         | n-Decanoic acid     |        | 172              | C10H20O2 | 000334-48-5 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061224\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

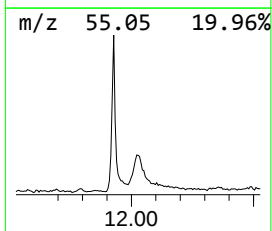
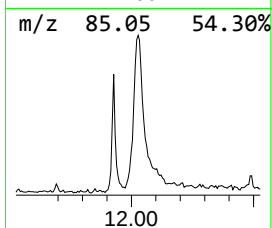
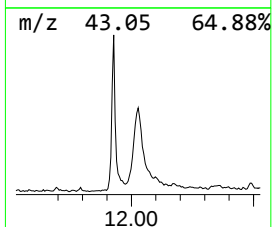
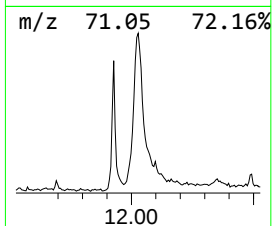
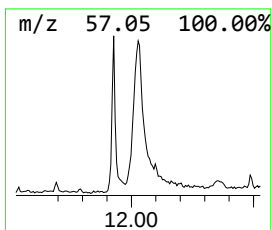
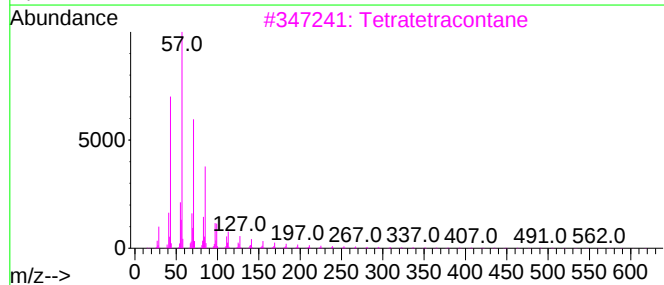
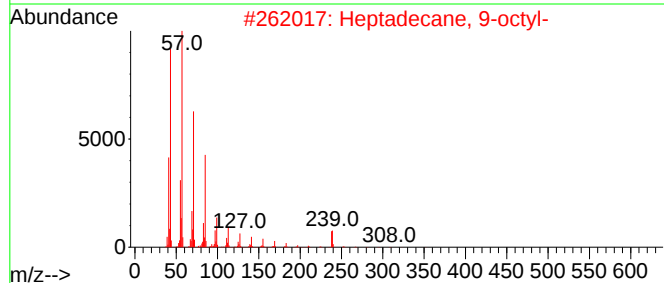
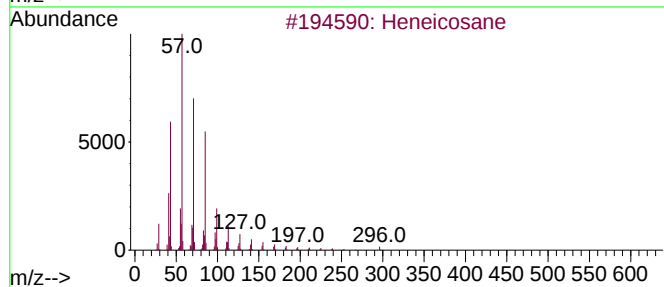
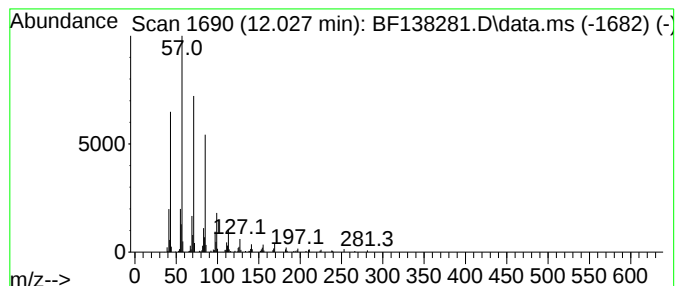
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Heneicosane Concentration Rank 14

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 12.028    | 4.09 ng               | 378624 | Phenanthrene-d10 | 11.404      |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Heneicosane           | 296    | C21H44           | 000629-94-7 | 91   |
| 2         | Heptadecane, 9-octyl- | 352    | C25H52           | 007225-64-1 | 91   |
| 3         | Tetratetracontane     | 619    | C44H90           | 007098-22-8 | 87   |
| 4         | Octadecane, 1-iodo-   | 380    | C18H37I          | 000629-93-6 | 87   |
| 5         | Octacosane            | 394    | C28H58           | 000630-02-4 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

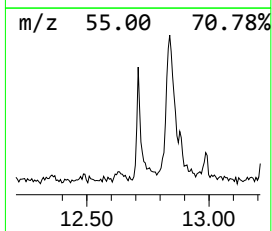
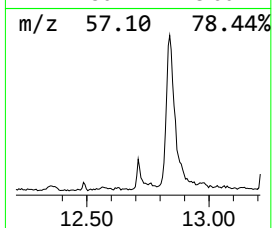
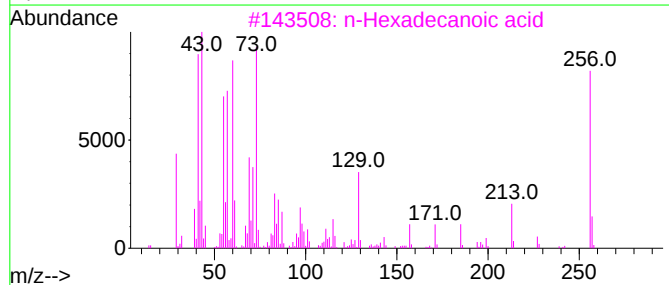
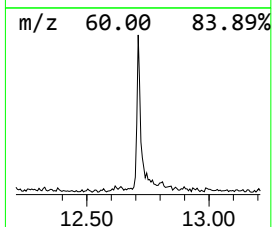
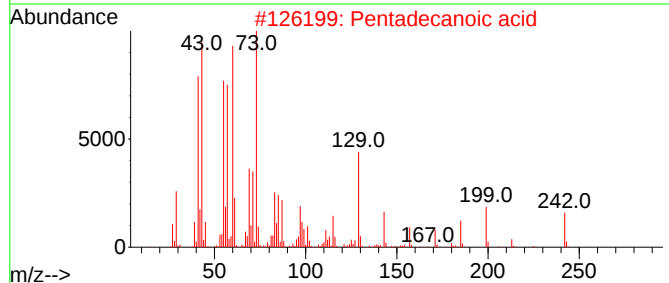
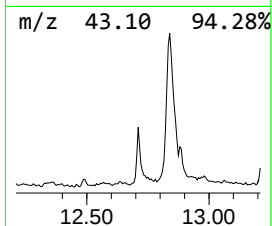
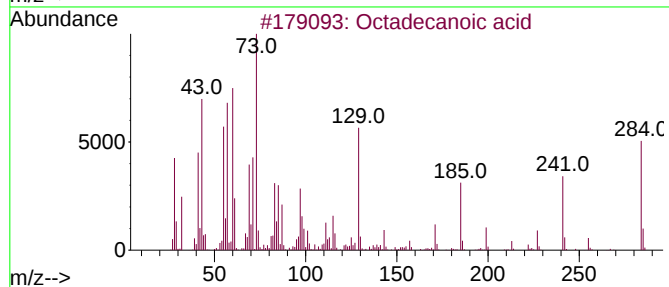
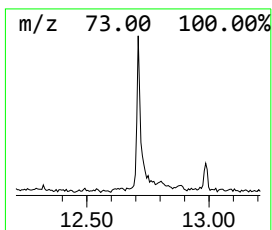
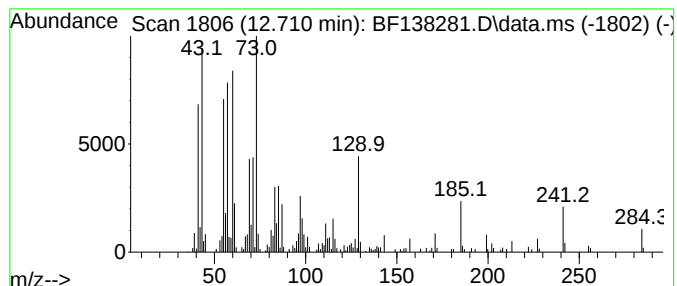
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Octadecanoic acid Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.710 | 2.33 ng | 215461 | Phenanthrene-d10 | 11.404 |

| 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    |    |   | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 93   |
| 4    |    |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 91   |
| 5    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061224\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

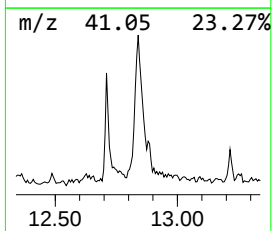
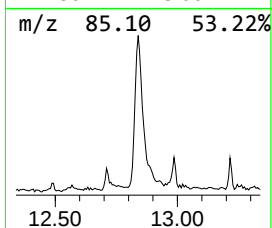
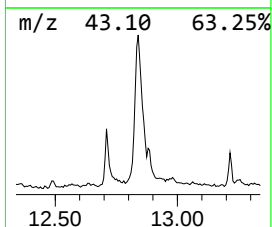
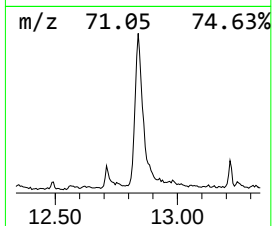
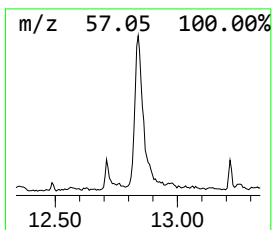
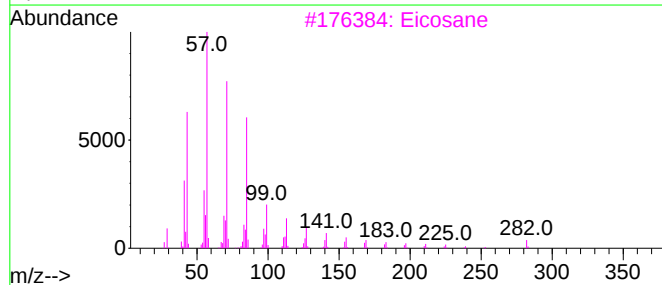
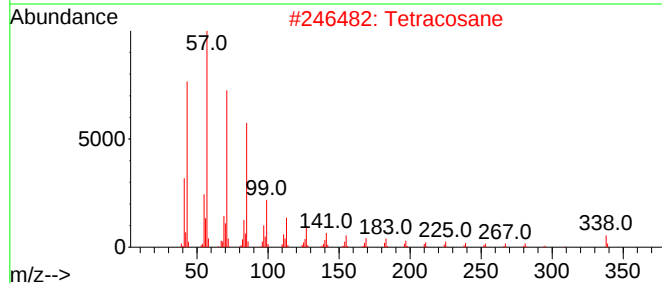
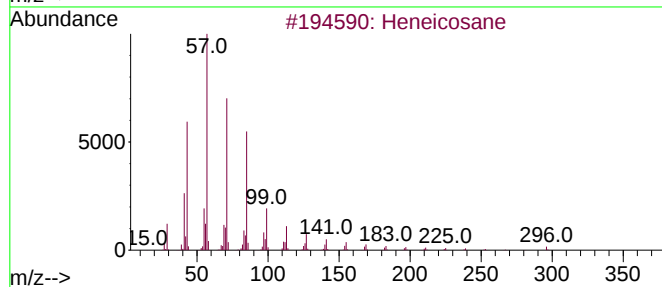
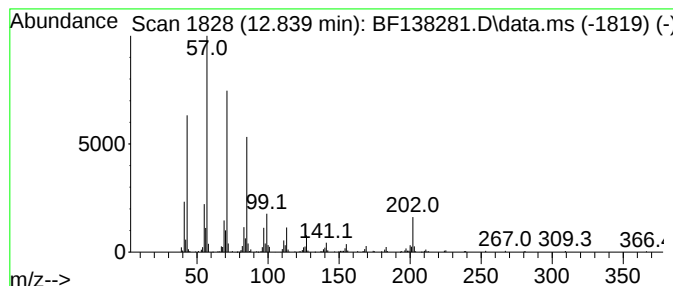
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Tetracosane Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.839 | 8.67 ng | 612275 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------|-----|---------|--------------|------|
| 1    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7  | 91   |
| 2    |    |   | Tetracosane         | 338 | C24H50  | 000646-31-1  | 91   |
| 3    |    |   | Eicosane            | 282 | C20H42  | 000112-95-8  | 91   |
| 4    |    |   | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5  | 91   |
| 5    |    |   | Hexacosane, 1-iodo- | 492 | C26H53I | 1000406-32-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

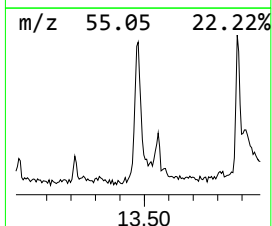
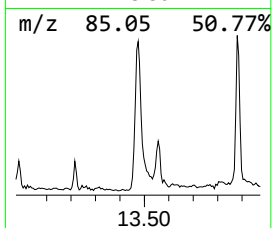
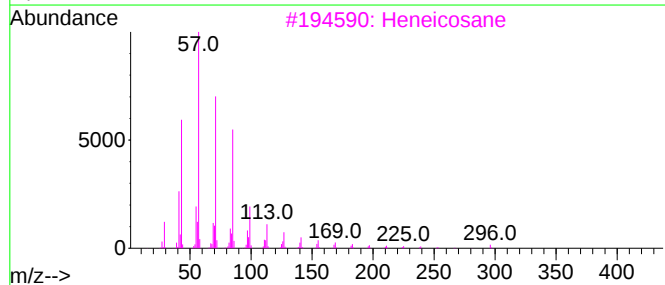
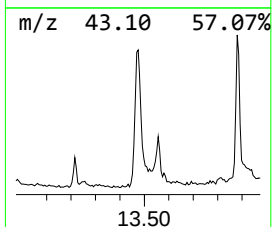
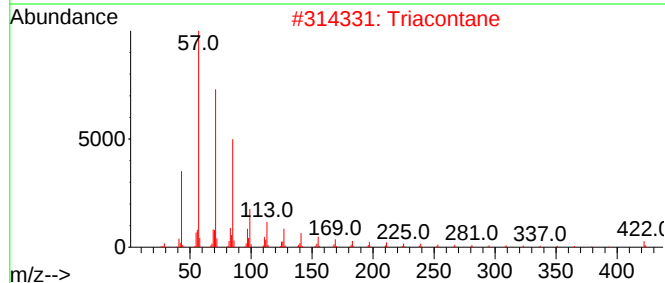
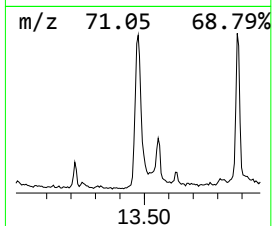
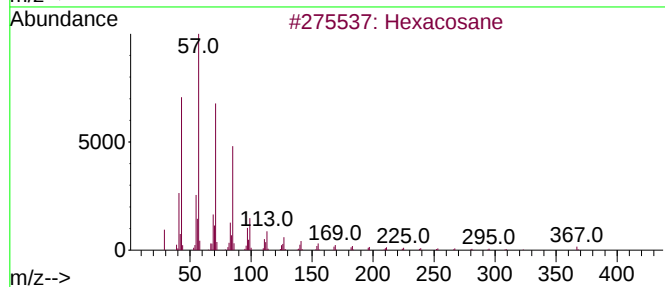
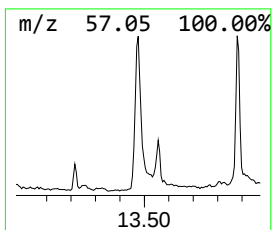
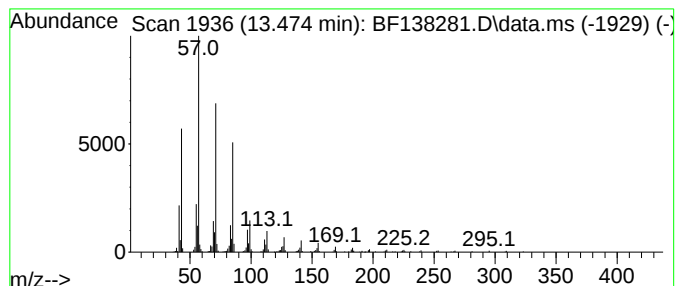
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Hexacosane Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.475 | 7.87 ng | 555915 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 94   |
| 2    |    |   | Triacotane   | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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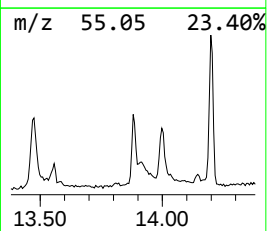
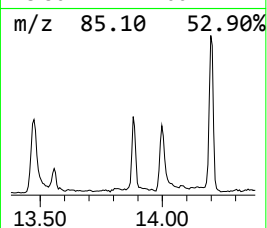
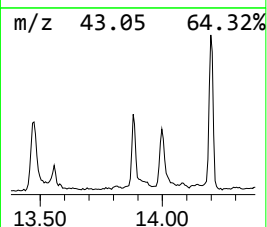
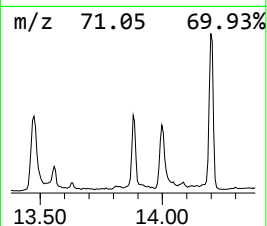
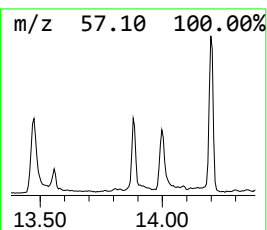
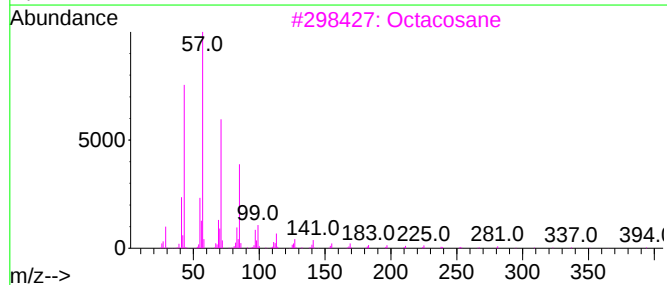
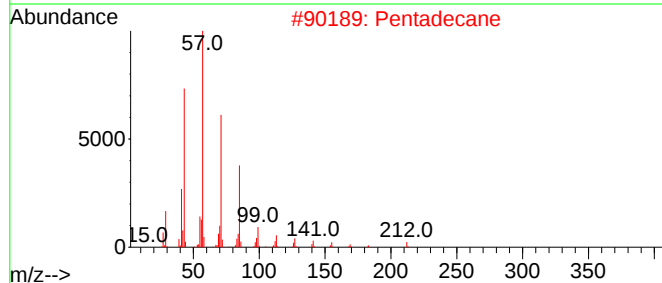
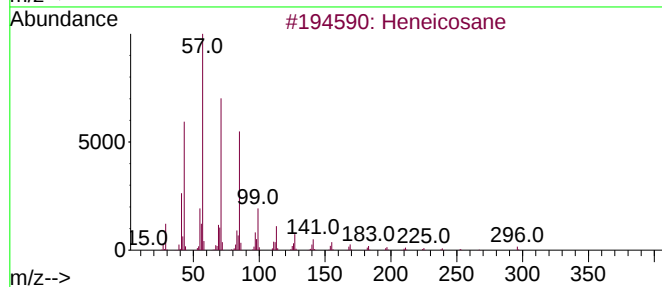
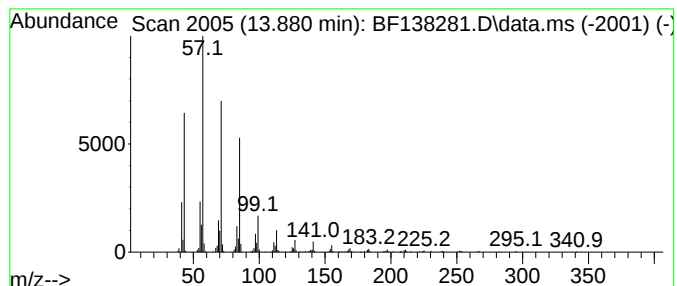
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Pentadecane Concentration Rank 12

| R.T.      | EstConc           | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------|--------|------------------|--------------|------|
| 13.880    | 4.81 ng           | 339999 | Chrysene-d12     | 14.039       |      |
| Hit# of 5 | Tentative ID      | MW     | MolForm          | CAS#         | Qual |
| 1         | Heneicosane       | 296    | C21H44           | 000629-94-7  | 91   |
| 2         | Pentadecane       | 212    | C15H32           | 000629-62-9  | 90   |
| 3         | Octacosane        | 394    | C28H58           | 000630-02-4  | 90   |
| 4         | Hexadecane        | 226    | C16H34           | 000544-76-3  | 90   |
| 5         | Docosane, 1-iodo- | 436    | C22H45I          | 1000406-31-9 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
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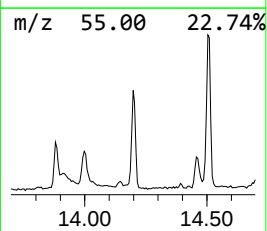
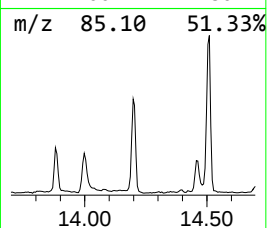
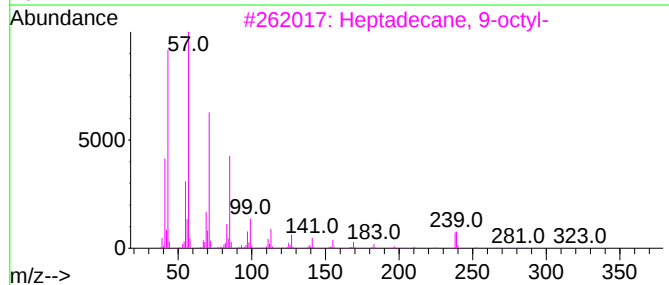
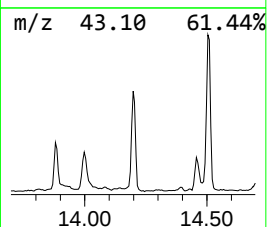
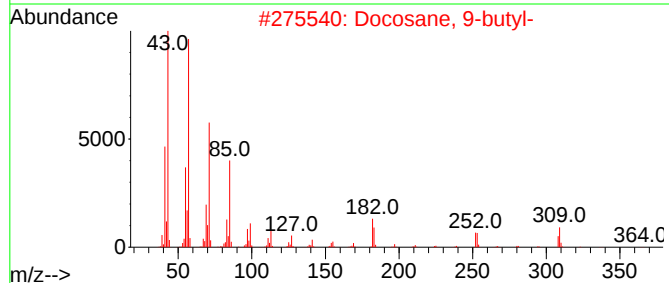
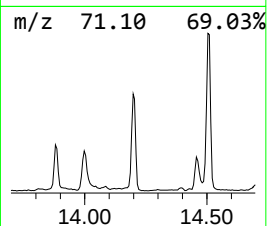
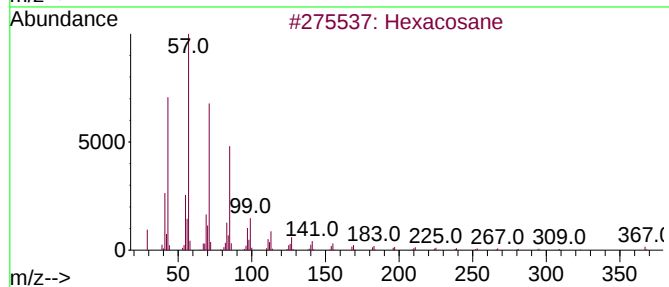
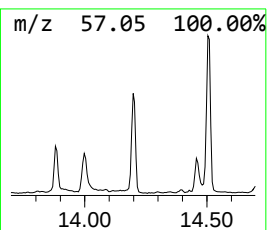
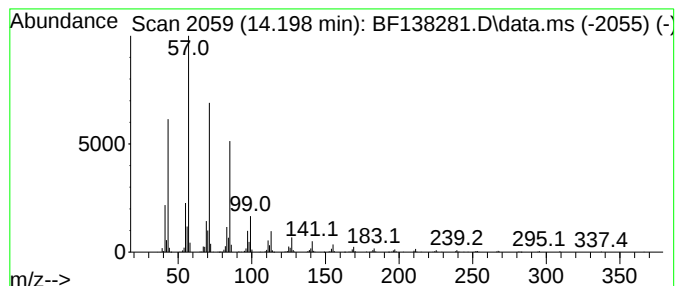
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Docosane, 9-butyl- Concentration Rank 6

| R.T.      | EstConc               | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------|--------|------------------|---------|-------------|------|
| 14.198    | 10.38 ng              | 733058 | Chrysene-d12     |         | 14.039      |      |
| Hit# of 5 | Tentative ID          |        | MW               | MolForm | CAS#        | Qual |
| 1         | Hexacosane            |        | 366              | C26H54  | 000630-01-3 | 94   |
| 2         | Docosane, 9-butyl-    |        | 366              | C26H54  | 055282-14-9 | 91   |
| 3         | Heptadecane, 9-octyl- |        | 352              | C25H52  | 007225-64-1 | 91   |
| 4         | Triacontane           |        | 422              | C30H62  | 000638-68-6 | 91   |
| 5         | Octacosane            |        | 394              | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061224\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

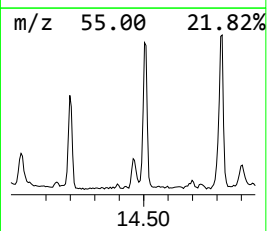
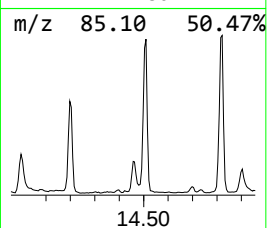
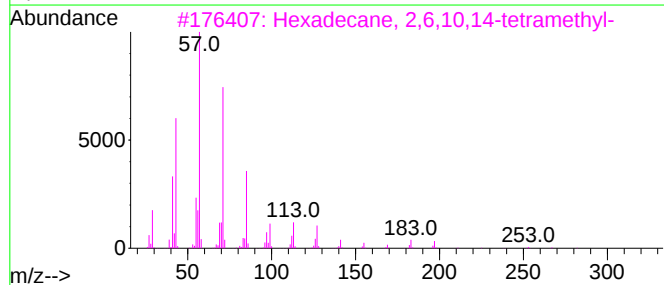
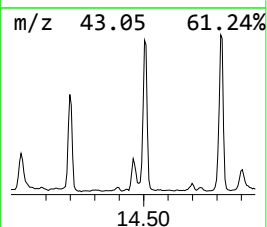
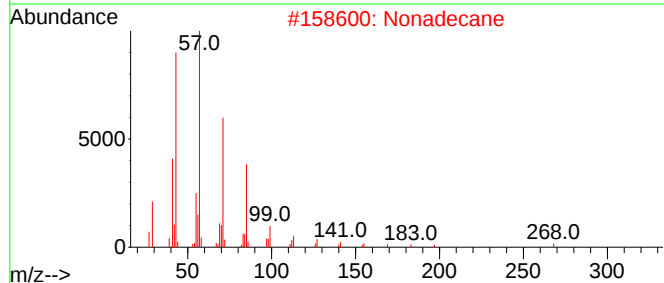
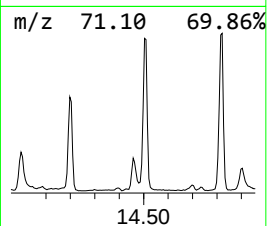
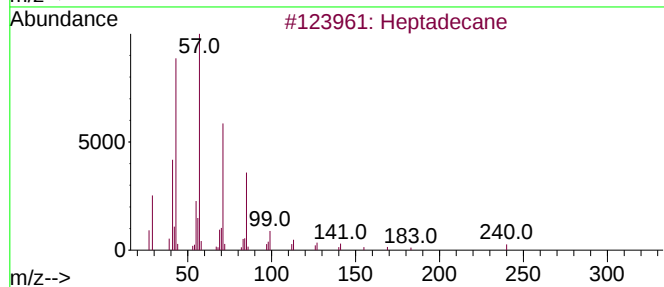
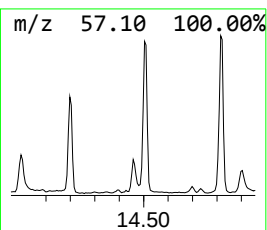
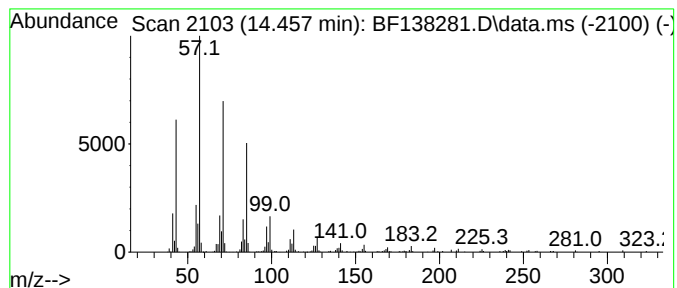
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Heptadecane Concentration Rank 16

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|--------|------------------|-------------|------|
| 14.457    | 4.02 ng                            | 283763 | Chrysene-d12     | 14.039      |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane                        | 240    | C17H36           | 000629-78-7 | 93   |
| 2         | Nonadecane                         | 268    | C19H40           | 000629-92-5 | 93   |
| 3         | Hexadecane, 2,6,10,14-tetramethyl- | 282    | C20H42           | 000638-36-8 | 92   |
| 4         | Octacosane, 2-methyl-              | 408    | C29H60           | 001560-98-1 | 91   |
| 5         | Octacosane                         | 394    | C28H58           | 000630-02-4 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

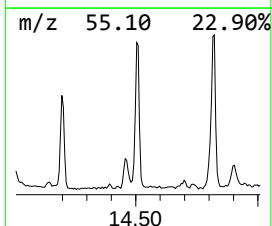
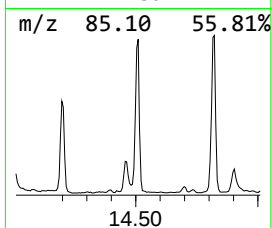
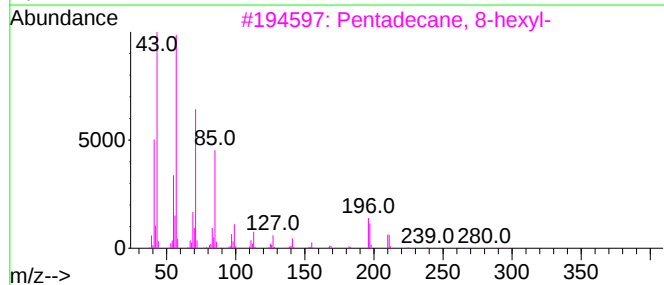
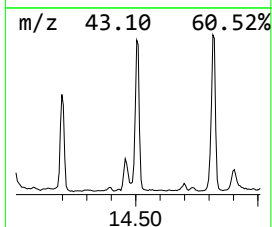
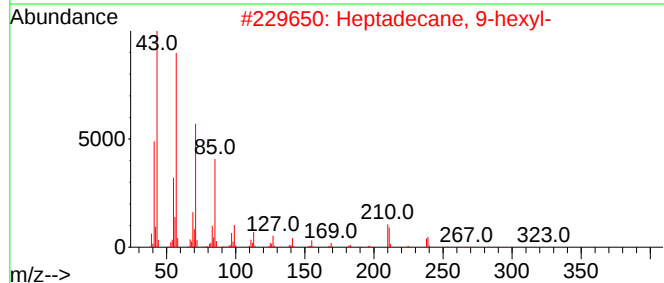
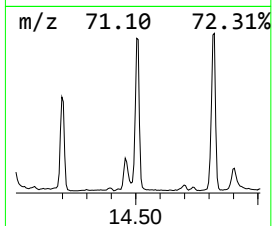
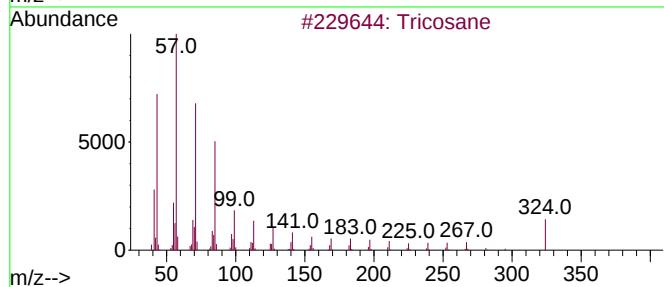
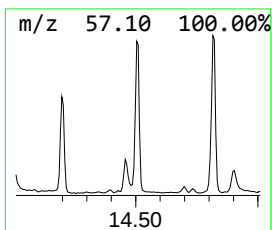
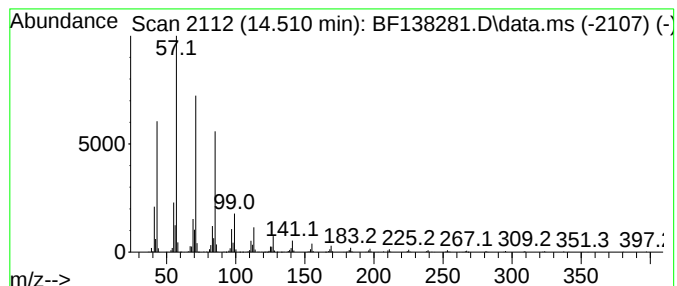
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Tricosane Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.510 | 16.54 ng | 1168120 | Chrysene-d12     | 14.039 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tricosane             | 324 | C23H48  | 000638-67-5 | 94   |
| 2    |    |   | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 94   |
| 3    |    |   | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 94   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

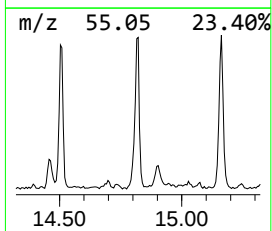
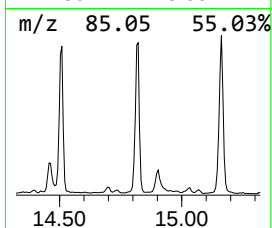
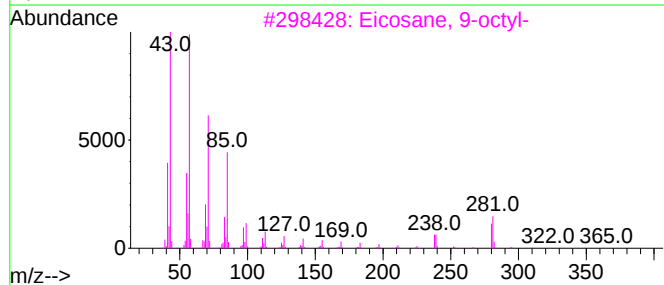
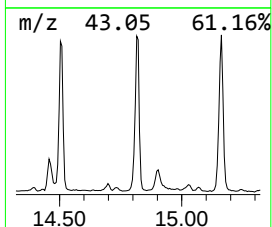
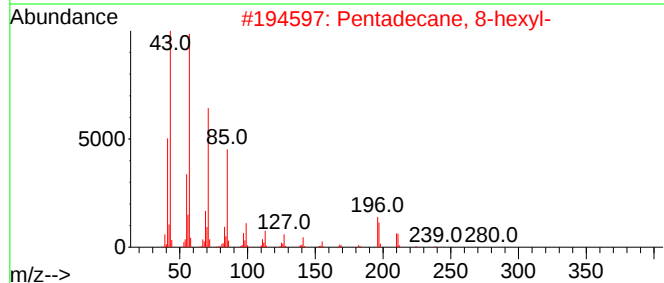
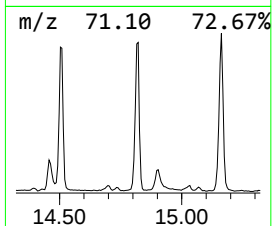
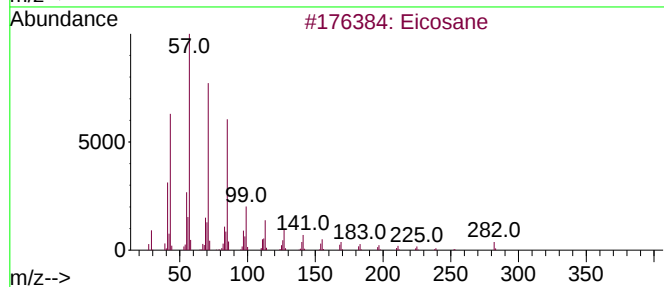
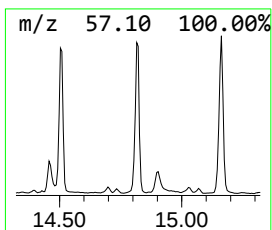
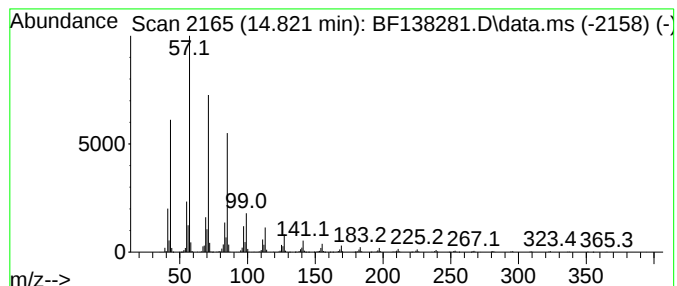
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Eicosane Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.821 | 19.26 ng | 1333380 | Perylene-d12     | 15.510 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------|-----|---------|--------------|------|
| 1    |    |   | Eicosane               | 282 | C20H42  | 000112-95-8  | 98   |
| 2    |    |   | Pentadecane, 8-hexyl-  | 296 | C21H44  | 013475-75-7  | 94   |
| 3    |    |   | Eicosane, 9-octyl-     | 394 | C28H58  | 013475-77-9  | 94   |
| 4    |    |   | Eicosane, 10-methyl-   | 296 | C21H44  | 054833-23-7  | 93   |
| 5    |    |   | Dotriacontane, 1-iodo- | 576 | C32H65I | 1000406-32-4 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
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Operator : CG\JU  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

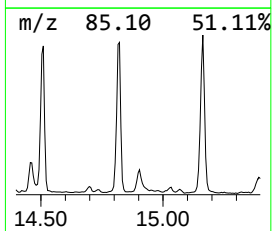
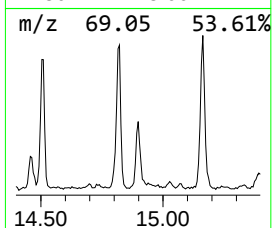
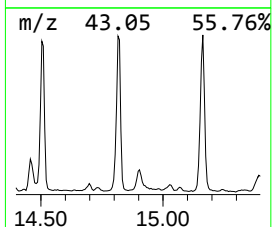
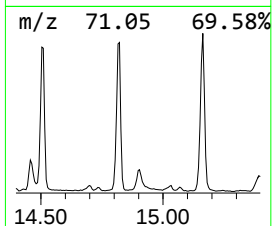
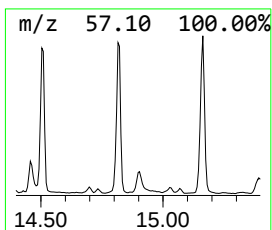
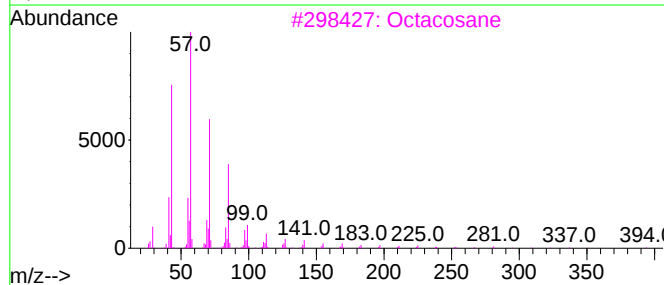
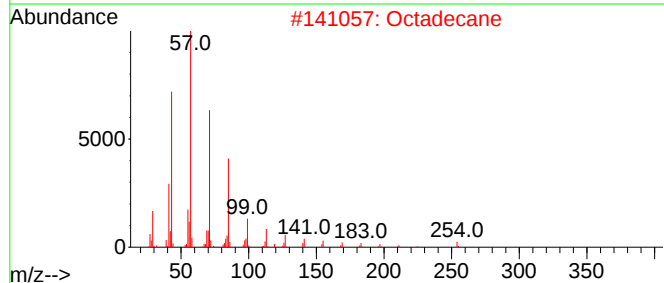
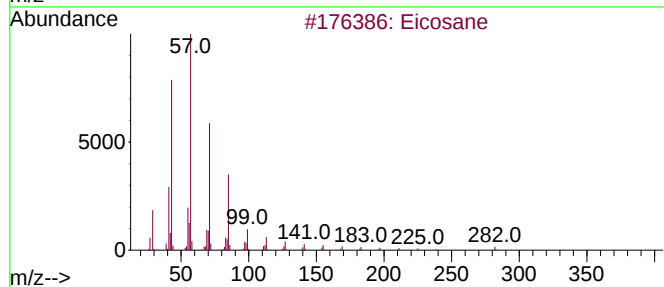
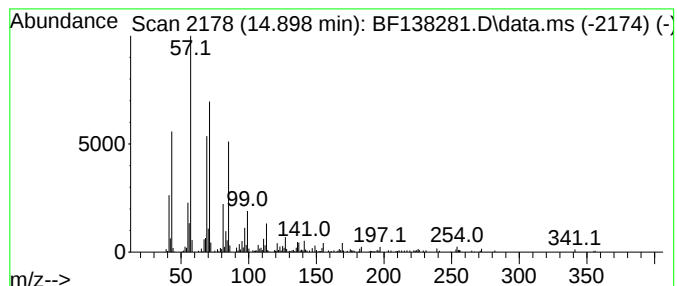
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Octadecane Concentration Rank 13

| R.T.      | EstConc           | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------|--------|------------------|---------|-------------|------|
| 14.898    | 4.16 ng           | 287963 | Perylene-d12     |         | 15.510      |      |
| Hit# of 5 | Tentative ID      |        | MW               | MolForm | CAS#        | Qual |
| 1         | Eicosane          |        | 282              | C20H42  | 000112-95-8 | 94   |
| 2         | Octadecane        |        | 254              | C18H38  | 000593-45-3 | 93   |
| 3         | Octacosane        |        | 394              | C28H58  | 000630-02-4 | 91   |
| 4         | Triacontane       |        | 422              | C30H62  | 000638-68-6 | 91   |
| 5         | Tetratetracontane |        | 619              | C44H90  | 007098-22-8 | 91   |



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Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

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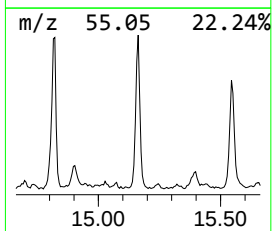
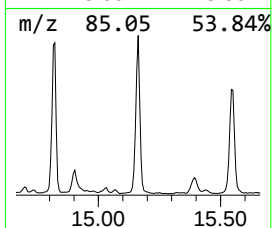
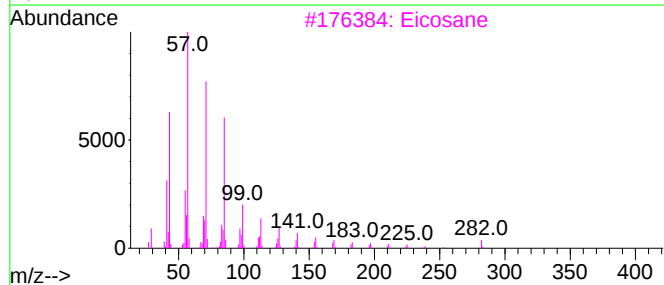
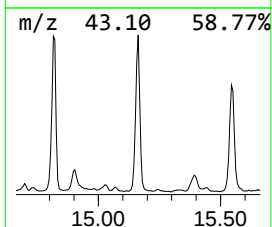
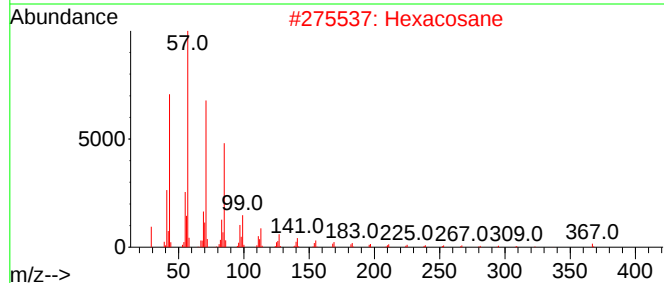
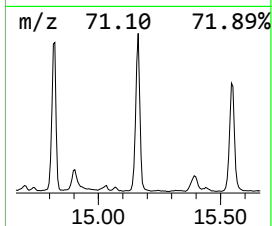
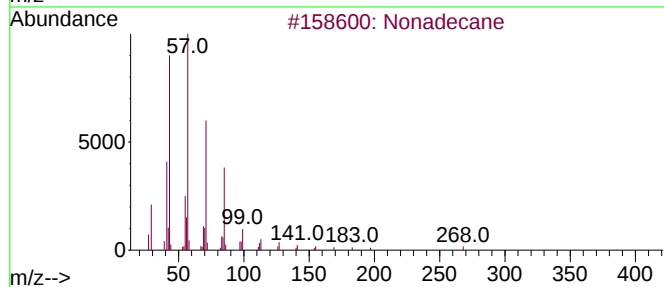
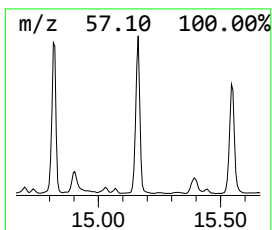
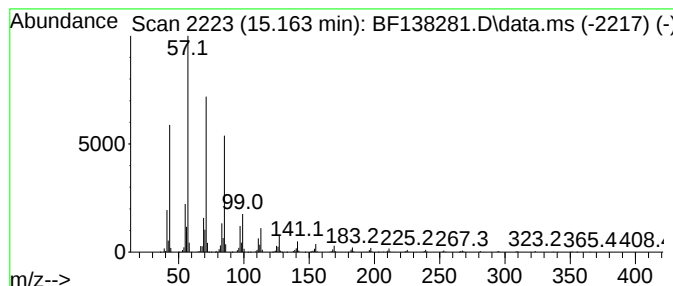
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Nonadecane Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 15.163 | 19.85 ng | 1374480 | Perylene-d12     | 15.510 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Nonadecane            | 268 | C19H40  | 000629-92-5 | 94   |
| 2    |      | Hexacosane            | 366 | C26H54  | 000630-01-3 | 94   |
| 3    |      | Eicosane              | 282 | C20H42  | 000112-95-8 | 94   |
| 4    |      | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 94   |
| 5    |      | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

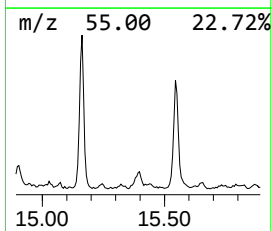
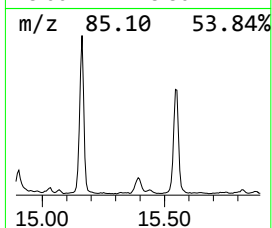
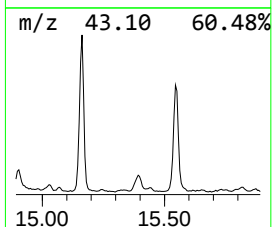
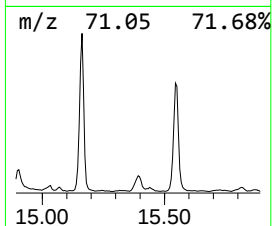
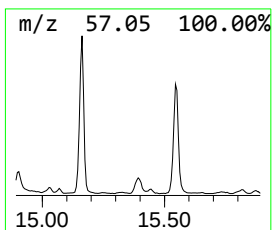
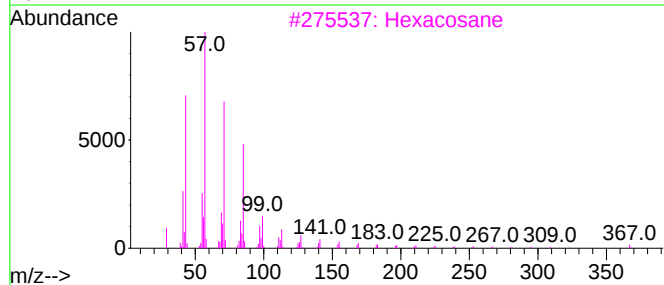
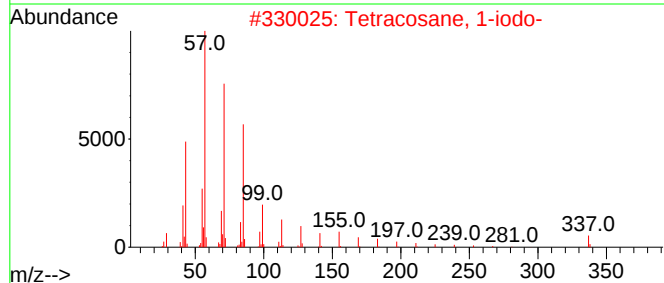
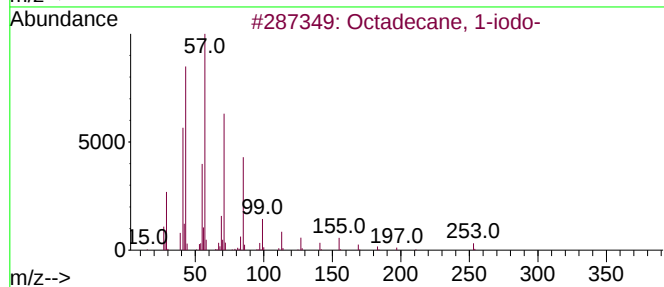
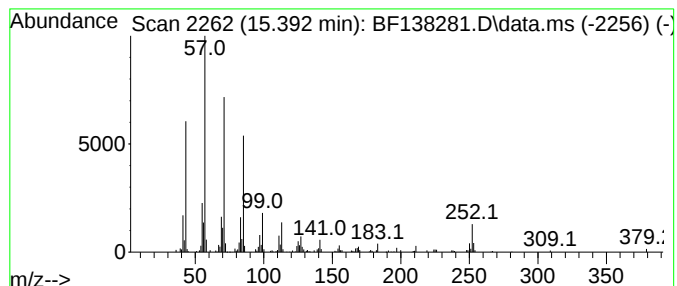
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Octadecane, 1-iodo- Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.392 | 3.34 ng | 230872 | Perylene-d12     | 15.510 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#         | Qual |
|------|------|----------------------|-----|---------|--------------|------|
| 1    |      | Octadecane, 1-iodo-  | 380 | C18H37I | 000629-93-6  | 83   |
| 2    |      | Tetracosane, 1-iodo- | 464 | C24H49I | 1000406-32-0 | 81   |
| 3    |      | Hexacosane           | 366 | C26H54  | 000630-01-3  | 74   |
| 4    |      | Tetracosane          | 338 | C24H50  | 000646-31-1  | 74   |
| 5    |      | Docosane, 1-iodo-    | 436 | C22H45I | 1000406-31-9 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
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Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

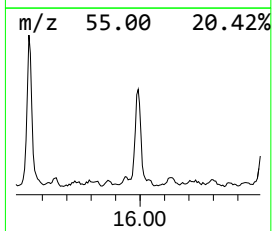
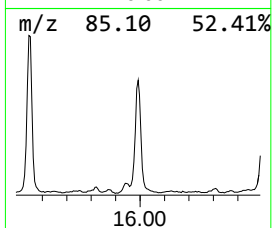
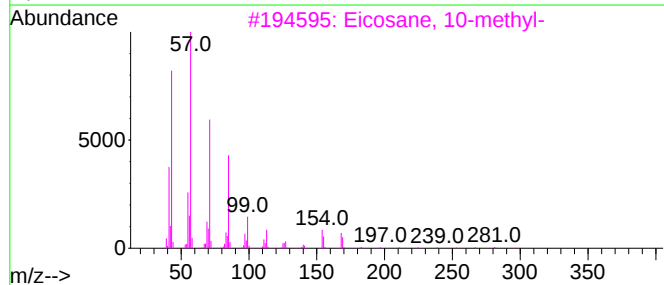
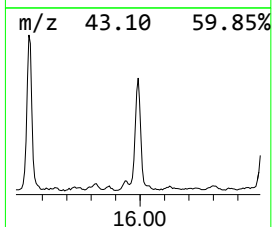
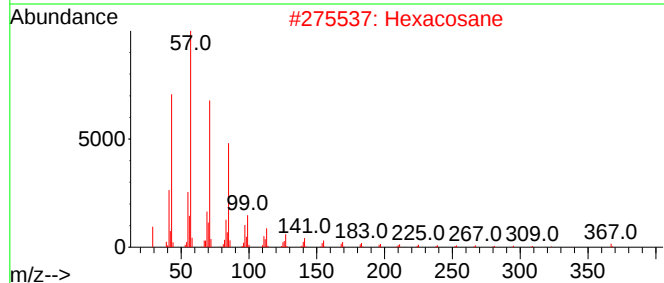
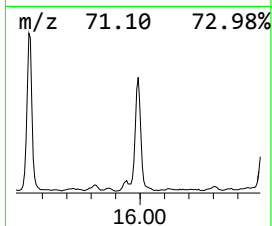
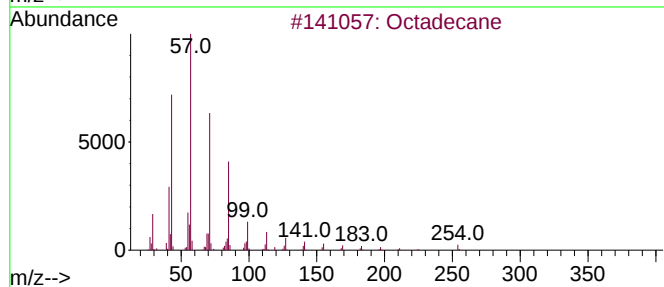
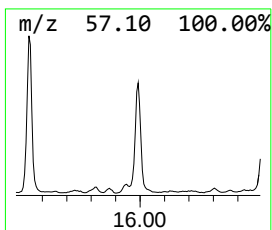
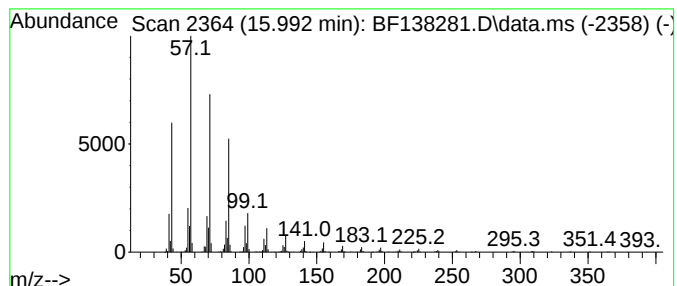
Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Eicosane, 10-methyl- Concentration Rank 5

| R.T.      | EstConc               | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-----------------------|--------|------------------|---------|-------------|------|
| 15.992    | 13.30 ng              | 920673 | Perylene-d12     |         | 15.510      |      |
| Hit# of 5 | Tentative ID          |        | MW               | MolForm | CAS#        | Qual |
| 1         | Octadecane            |        | 254              | C18H38  | 000593-45-3 | 95   |
| 2         | Hexacosane            |        | 366              | C26H54  | 000630-01-3 | 94   |
| 3         | Eicosane, 10-methyl-  |        | 296              | C21H44  | 054833-23-7 | 93   |
| 4         | Octacosane, 2-methyl- |        | 408              | C29H60  | 001560-98-1 | 91   |
| 5         | Tetratetracontane     |        | 619              | C44H90  | 007098-22-8 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

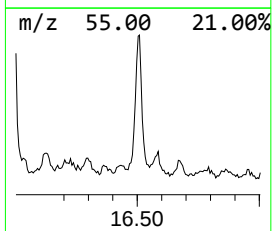
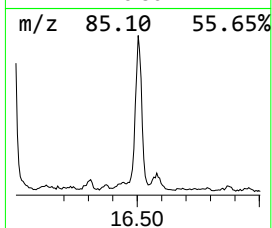
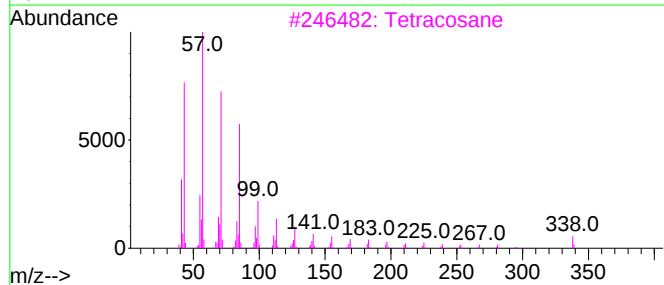
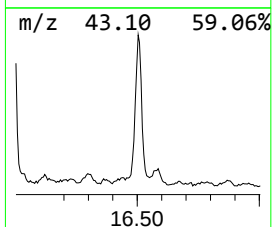
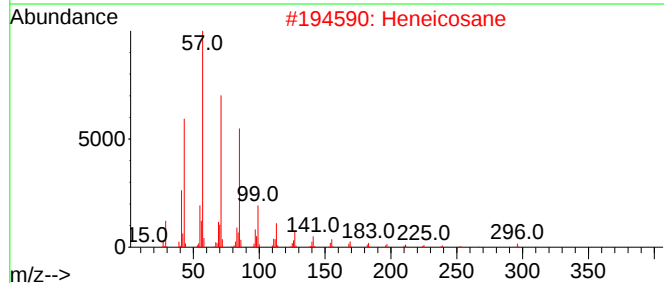
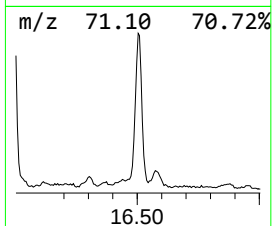
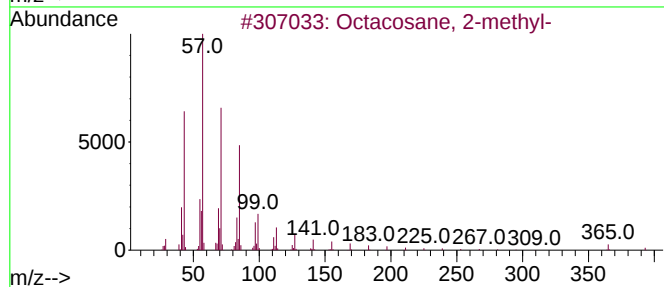
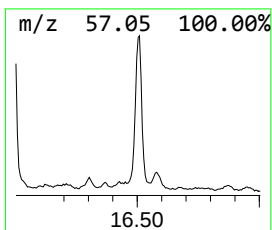
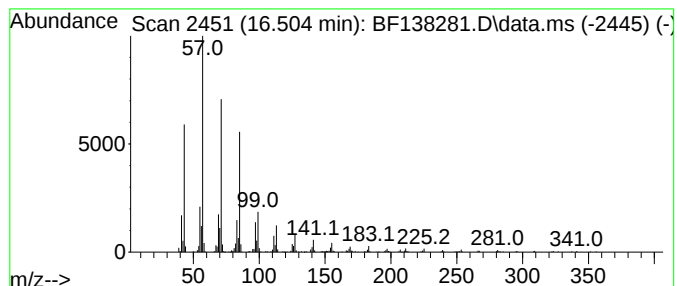
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Octacosane, 2-methyl- Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.504 | 8.23 ng | 569722 | Perylene-d12     | 15.510 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | Octacosane, 2-methyl-  | 408 | C29H60  | 001560-98-1 | 91   |
| 2    |      | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |      | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |      | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 5    |      | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

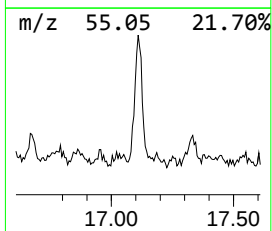
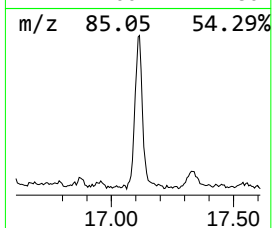
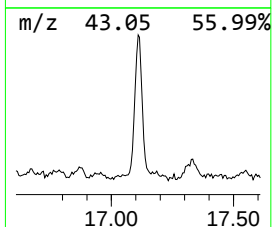
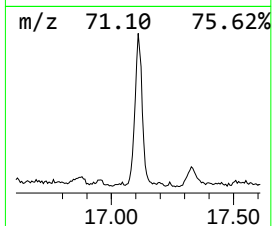
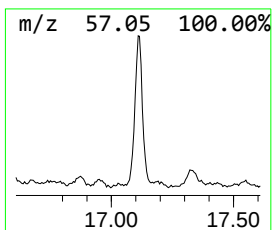
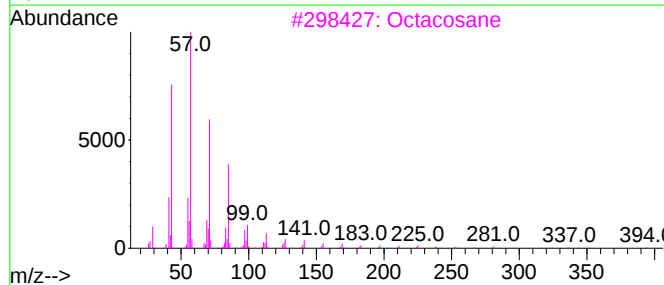
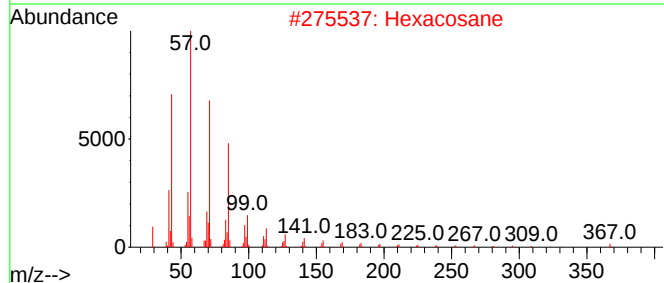
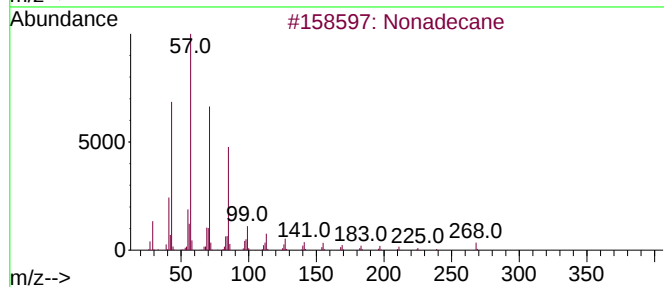
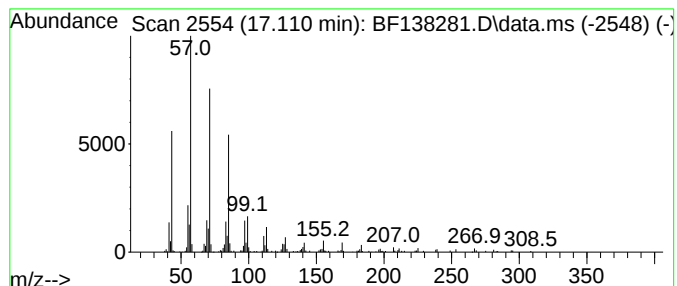
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Pentacosane Concentration Rank 11

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 17.110    | 4.82 ng               | 333871 | Perylene-d12     | 15.510      |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Nonadecane            | 268    | C19H40           | 000629-92-5 | 94   |
| 2         | Hexacosane            | 366    | C26H54           | 000630-01-3 | 94   |
| 3         | Octacosane            | 394    | C28H58           | 000630-02-4 | 91   |
| 4         | Octacosane, 2-methyl- | 408    | C29H60           | 001560-98-1 | 91   |
| 5         | Pentacosane           | 352    | C25H52           | 000629-99-2 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

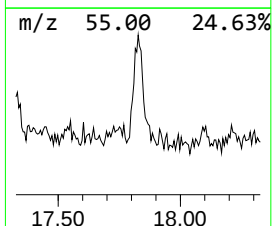
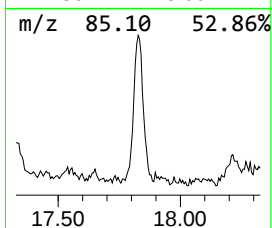
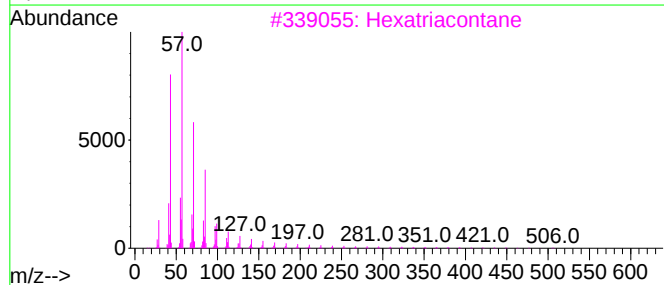
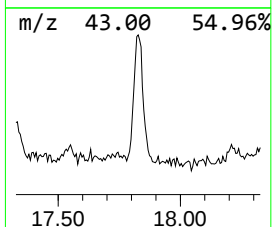
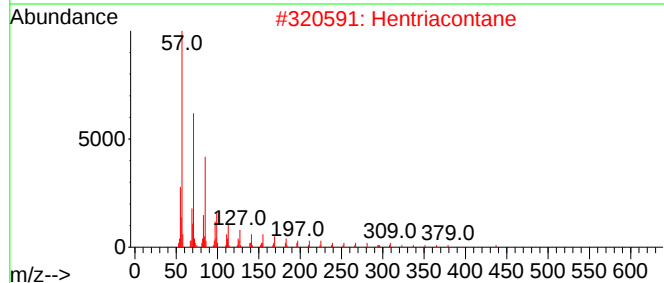
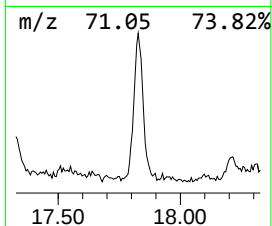
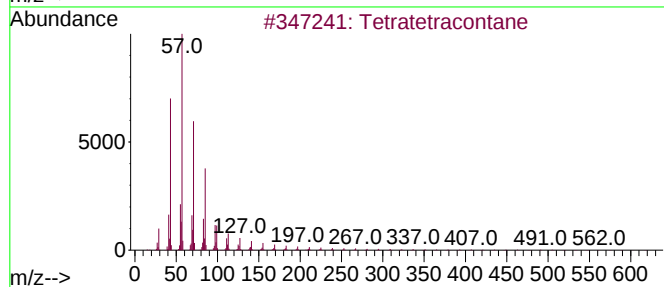
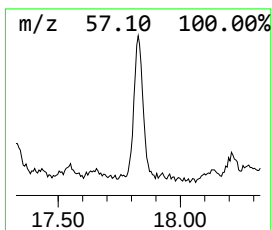
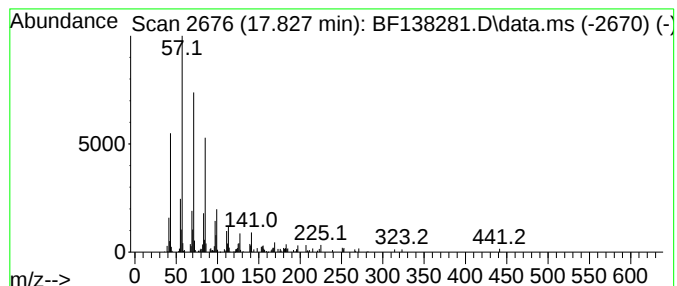
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Tetratetracontane Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.827 | 2.99 ng | 206896 | Perylene-d12     | 15.510 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |
| 2    |    |   | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |
| 3    |    |   | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    |   | Octacosane, 2-methyl- | 408 | C29H60  | 001560-98-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062124\  
Data File : BF138281.D  
Acq On : 21 Jun 2024 12:54  
Operator : CG\JU  
Sample : P2976-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-K-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.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 |
| Butane, 2-metho... | 2.181  | 50.1    | ng    | 3799900  | 1                     | 6.881  | 1515590 | 20.0 |
| 2-Pentanone, 4-... | 5.104  | 4.1     | ng    | 309109   | 1                     | 6.881  | 1515590 | 20.0 |
| 1-Phenoxypropan... | 8.475  | 2.2     | ng    | 215149   | 2                     | 8.163  | 1991560 | 20.0 |
| n-Hexadecanoic ... | 11.928 | 5.9     | ng    | 545512   | 4                     | 11.404 | 1850170 | 20.0 |
| Heneicosane        | 12.028 | 4.1     | ng    | 378624   | 4                     | 11.404 | 1850170 | 20.0 |
| Octadecanoic acid  | 12.710 | 2.3     | ng    | 215461   | 4                     | 11.404 | 1850170 | 20.0 |
| Tetracosane        | 12.839 | 8.7     | ng    | 612275   | 5                     | 14.039 | 1412470 | 20.0 |
| Hexacosane         | 13.475 | 7.9     | ng    | 555915   | 5                     | 14.039 | 1412470 | 20.0 |
| Pentadecane        | 13.880 | 4.8     | ng    | 339999   | 5                     | 14.039 | 1412470 | 20.0 |
| Docosane, 9-butyl- | 14.198 | 10.4    | ng    | 733058   | 5                     | 14.039 | 1412470 | 20.0 |
| Heptadecane        | 14.457 | 4.0     | ng    | 283763   | 5                     | 14.039 | 1412470 | 20.0 |
| Tricosane          | 14.510 | 16.5    | ng    | 1168120  | 5                     | 14.039 | 1412470 | 20.0 |
| Eicosane           | 14.821 | 19.3    | ng    | 1333380  | 6                     | 15.510 | 1384540 | 20.0 |
| Octadecane         | 14.898 | 4.2     | ng    | 287963   | 6                     | 15.510 | 1384540 | 20.0 |
| Nonadecane         | 15.163 | 19.9    | ng    | 1374480  | 6                     | 15.510 | 1384540 | 20.0 |
| Octadecane, 1-i... | 15.392 | 3.3     | ng    | 230872   | 6                     | 15.510 | 1384540 | 20.0 |
| Eicosane, 10-me... | 15.992 | 13.3    | ng    | 920673   | 6                     | 15.510 | 1384540 | 20.0 |
| Octacosane, 2-m... | 16.504 | 8.2     | ng    | 569722   | 6                     | 15.510 | 1384540 | 20.0 |
| Pentacosane        | 17.110 | 4.8     | ng    | 333871   | 6                     | 15.510 | 1384540 | 20.0 |
| Tetratetracontane  | 17.827 | 3.0     | ng    | 206896   | 6                     | 15.510 | 1384540 | 20.0 |