

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083023\  
 Data File : BF135030.D  
 Acq On : 31 Aug 2023 05:02  
 Operator : CG\JU  
 Sample : 04188-10  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

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-BF083023.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135030.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         | 5.004       | 493           | 496         | 504          | rVB      | 40043          | 47773         | 1.86%           | 0.242%        |
| 2         | 5.404       | 559           | 564         | 567          | rBV      | 2503247        | 2390180       | 93.14%          | 12.084%       |
| 3         | 6.410       | 730           | 735         | 738          | rBV      | 2559393        | 2406880       | 93.79%          | 12.169%       |
| 4         | 6.604       | 765           | 768         | 773          | rBV      | 39082          | 35688         | 1.39%           | 0.180%        |
| 5         | 6.769       | 793           | 796         | 800          | rBV      | 928597         | 770147        | 30.01%          | 3.894%        |
| 6         | 7.334       | 887           | 892         | 895          | rBV      | 1710578        | 1503682       | 58.59%          | 7.602%        |
| 7         | 8.051       | 1010          | 1014        | 1017         | rBV      | 1233295        | 1004333       | 39.13%          | 5.078%        |
| 8         | 9.128       | 1193          | 1197        | 1201         | rBV      | 2930769        | 2566352       | 100.00%         | 12.975%       |
| 9         | 9.245       | 1214          | 1217        | 1221         | rBV      | 97891          | 91230         | 3.55%           | 0.461%        |
| 10        | 9.810       | 1309          | 1313        | 1316         | rBV      | 1117317        | 986598        | 38.44%          | 4.988%        |
| 11        | 10.598      | 1443          | 1447        | 1451         | rBV      | 1529166        | 1284553       | 50.05%          | 6.494%        |
| 12        | 11.104      | 1530          | 1533        | 1538         | rBV      | 39870          | 35055         | 1.37%           | 0.177%        |
| 13        | 11.298      | 1562          | 1566        | 1569         | rBV      | 922597         | 799508        | 31.15%          | 4.042%        |
| 14        | 11.322      | 1569          | 1570        | 1574         | rVV      | 139709         | 90488         | 3.53%           | 0.457%        |
| 15        | 11.375      | 1577          | 1579        | 1583         | rVB      | 35957          | 28704         | 1.12%           | 0.145%        |
| 16        | 11.804      | 1649          | 1652        | 1654         | rBV      | 36112          | 31056         | 1.21%           | 0.157%        |
| 17        | 11.839      | 1654          | 1658        | 1663         | rBV2     | 338814         | 306645        | 11.95%          | 1.550%        |
| 18        | 11.916      | 1668          | 1671        | 1673         | rBV      | 35388          | 30963         | 1.21%           | 0.157%        |
| 19        | 12.516      | 1770          | 1773        | 1778         | rBV      | 265593         | 263946        | 10.28%          | 1.334%        |
| 20        | 12.627      | 1788          | 1792        | 1799         | rBV5     | 78422          | 115163        | 4.49%           | 0.582%        |
| 21        | 12.751      | 1806          | 1813        | 1816         | rBV      | 260889         | 276108        | 10.76%          | 1.396%        |
| 22        | 12.898      | 1834          | 1838        | 1842         | rVB      | 1972394        | 1658785       | 64.64%          | 8.386%        |
| 23        | 12.974      | 1845          | 1851        | 1854         | rBV3     | 22252          | 36649         | 1.43%           | 0.185%        |
| 24        | 13.080      | 1867          | 1869        | 1872         | rVB      | 40142          | 34653         | 1.35%           | 0.175%        |
| 25        | 13.145      | 1872          | 1880        | 1883         | rBV2     | 41438          | 62425         | 2.43%           | 0.316%        |
| 26        | 13.186      | 1883          | 1887        | 1889         | rBV2     | 30645          | 34944         | 1.36%           | 0.177%        |
| 27        | 13.486      | 1932          | 1938        | 1941         | rBV2     | 37058          | 51922         | 2.02%           | 0.263%        |
| 28        | 13.592      | 1954          | 1956        | 1960         | rVB      | 29724          | 29320         | 1.14%           | 0.148%        |
| 29        | 13.704      | 1970          | 1975        | 1977         | rBV2     | 33836          | 45054         | 1.76%           | 0.228%        |
| 30        | 13.816      | 1989          | 1994        | 2002         | rBV2     | 150630         | 209096        | 8.15%           | 1.057%        |
| 31        | 13.957      | 2011          | 2018        | 2021         | rBV2     | 831750         | 925738        | 36.07%          | 4.680%        |
| 32        | 13.980      | 2021          | 2022        | 2029         | rVB      | 168579         | 129810        | 5.06%           | 0.656%        |
| 33        | 14.133      | 2045          | 2048        | 2053         | rBV2     | 37871          | 45830         | 1.79%           | 0.232%        |
| 34        | 14.345      | 2082          | 2084        | 2088         | rVB      | 31762          | 28627         | 1.12%           | 0.145%        |
| 35        | 14.445      | 2098          | 2101        | 2103         | rBV2     | 44082          | 48546         | 1.89%           | 0.245%        |
| 36        | 14.733      | 2147          | 2150        | 2151         | rBV2     | 29808          | 34295         | 1.34%           | 0.173%        |

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Sample : 04188-10  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

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-BF083023.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.998 | 2191 | 2195 | 2198 | rBV  | 164026 | 237072 | 9.24%  | 1.199% |
| 38 | 15.104 | 2208 | 2213 | 2216 | rVB2 | 37847  | 59489  | 2.32%  | 0.301% |
| 39 | 15.298 | 2242 | 2246 | 2252 | rVB  | 85470  | 112386 | 4.38%  | 0.568% |
| 40 | 15.363 | 2252 | 2257 | 2263 | rBV  | 122187 | 150839 | 5.88%  | 0.763% |
| 41 | 15.427 | 2263 | 2268 | 2272 | rBV  | 492872 | 612688 | 23.87% | 3.098% |
| 42 | 15.921 | 2348 | 2352 | 2357 | rBV3 | 23556  | 37120  | 1.45%  | 0.188% |
| 43 | 16.898 | 2513 | 2518 | 2524 | rBV3 | 44310  | 89046  | 3.47%  | 0.450% |
| 44 | 17.345 | 2590 | 2594 | 2599 | rBV2 | 22637  | 39904  | 1.55%  | 0.202% |

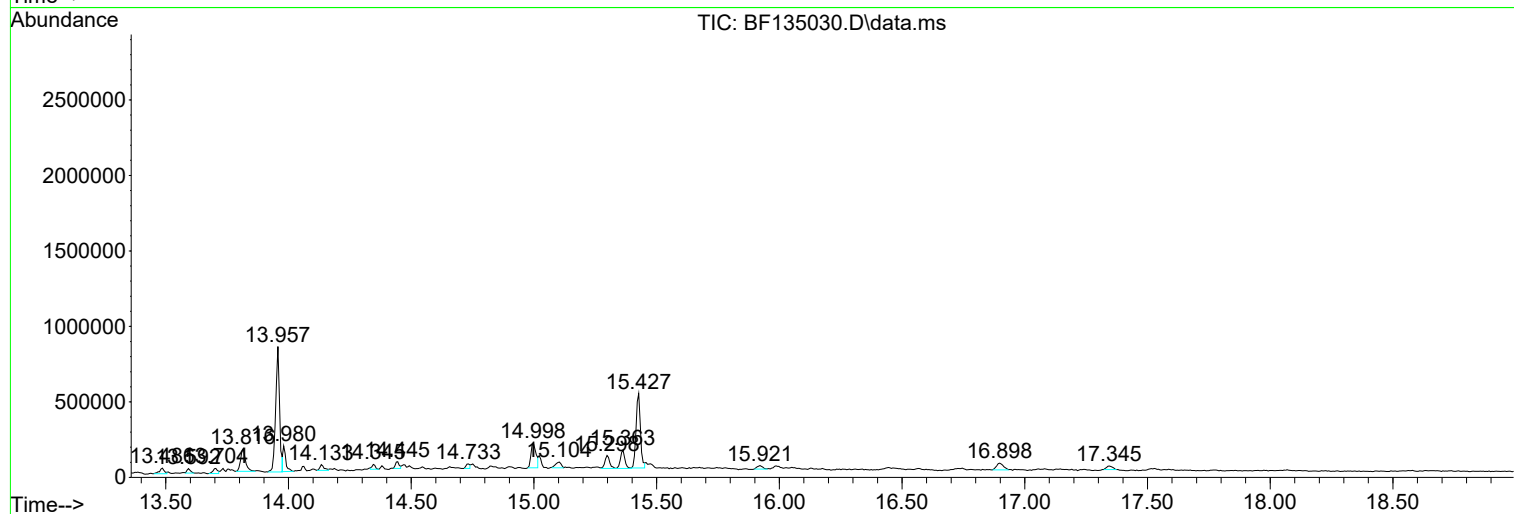
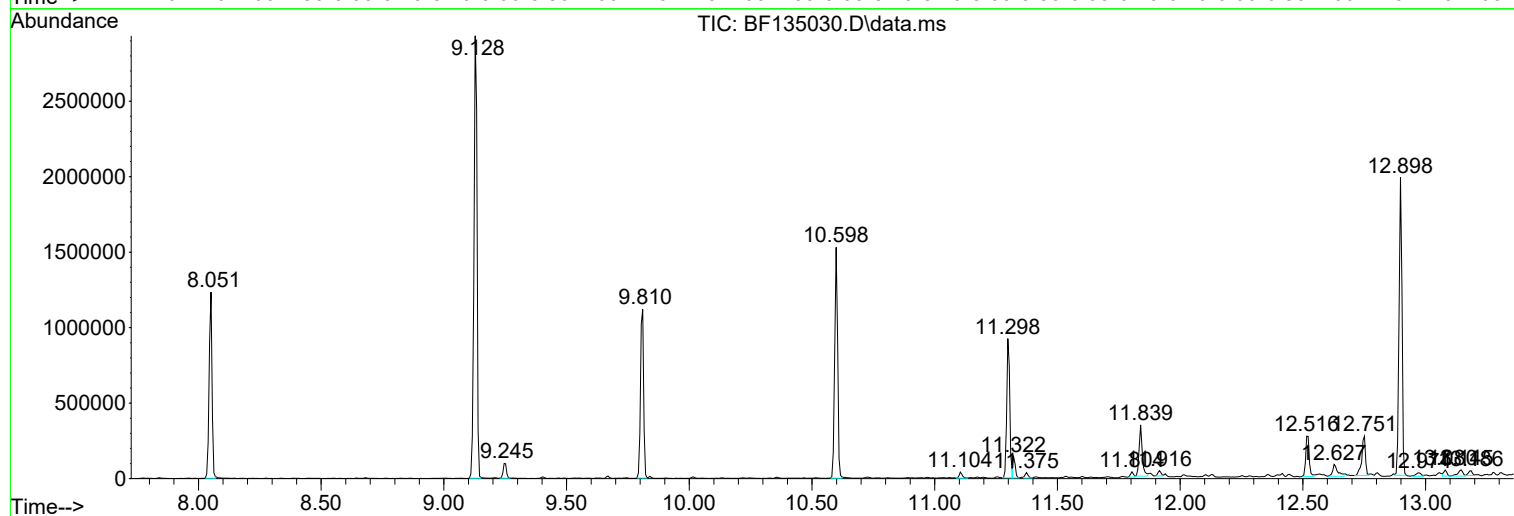
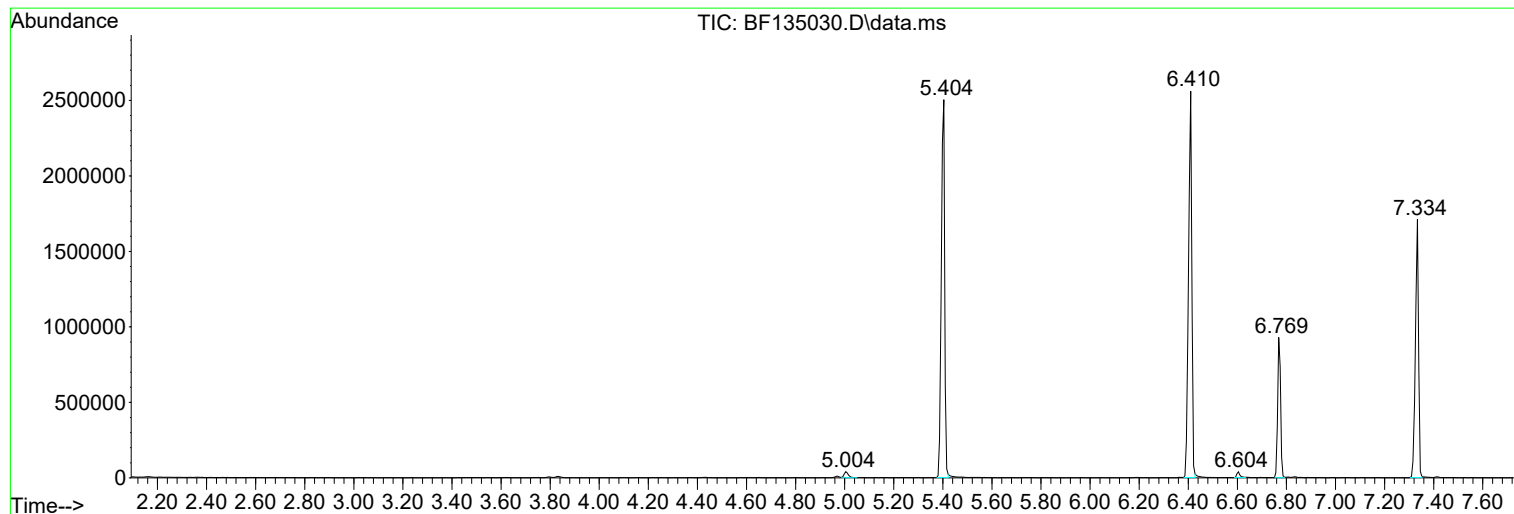
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083023\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083023\  
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Operator : CG\JU  
Sample : 04188-10  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

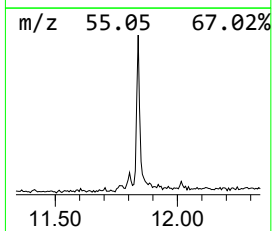
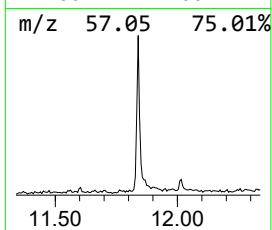
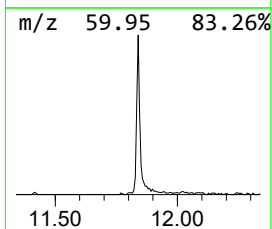
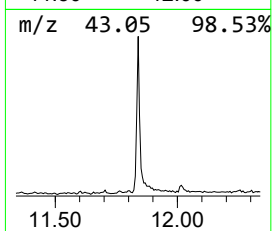
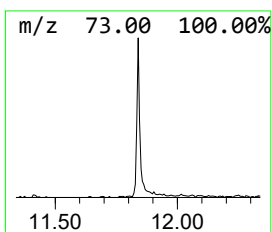
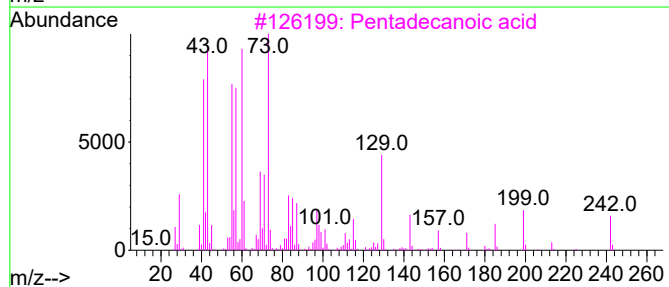
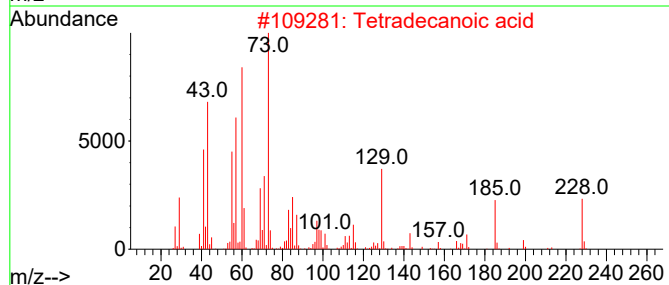
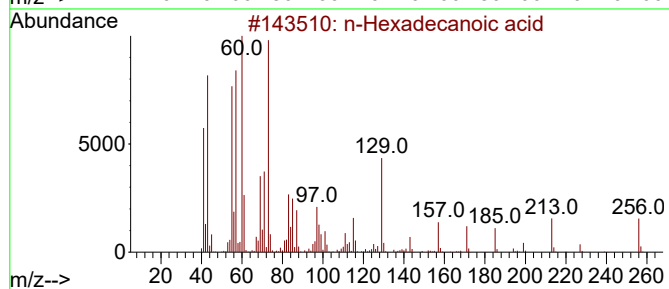
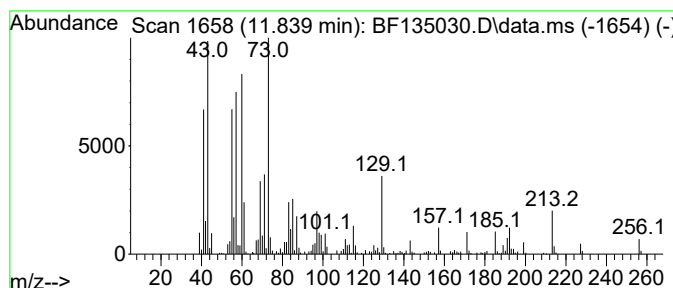
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.839 | 7.67 ng | 306645 | Phenanthrene-d10 | 11.298 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 89   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 50   |



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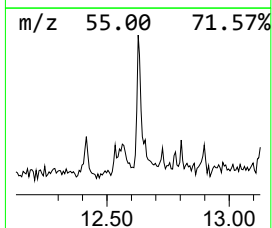
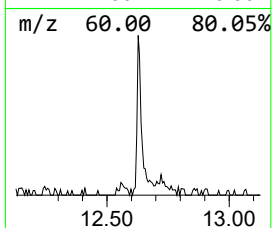
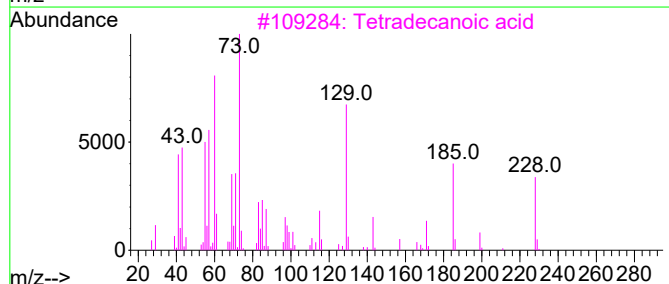
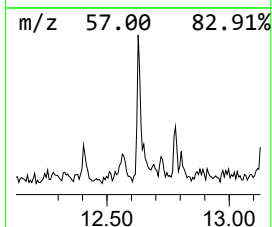
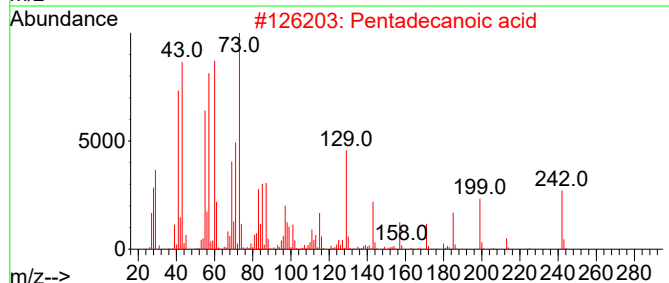
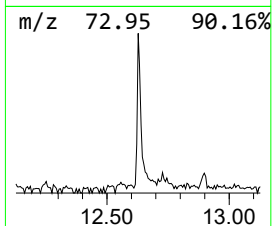
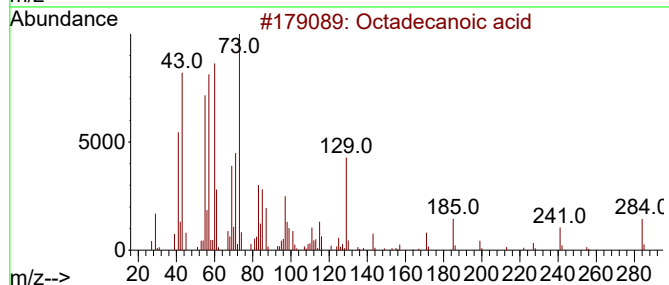
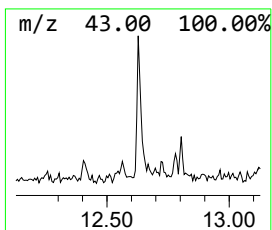
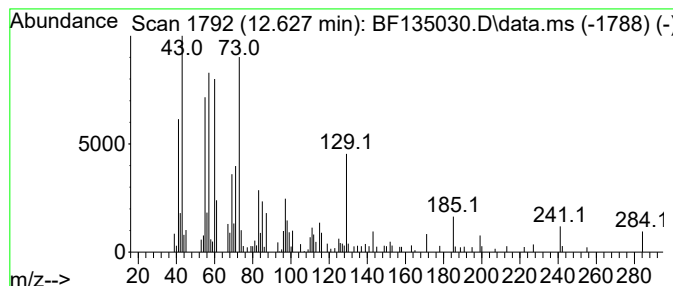
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Octadecanoic acid Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.627 | 2.88 ng | 115163 | Phenanthrene-d10 | 11.298 |

| 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 | 91   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74   |
| 5    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 64   |



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ClientSampleId :  
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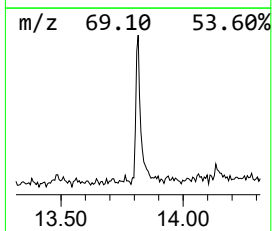
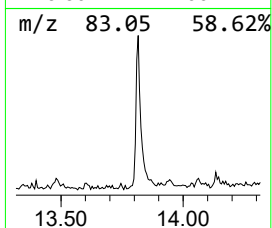
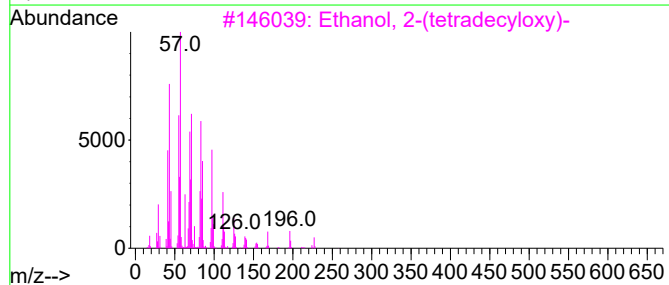
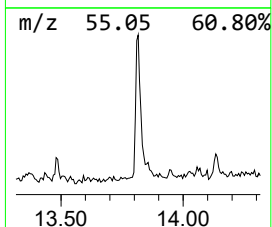
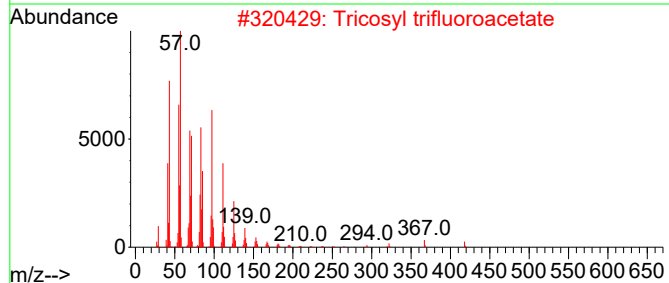
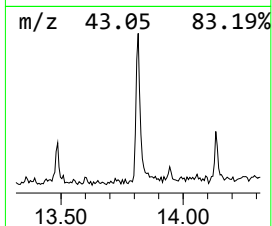
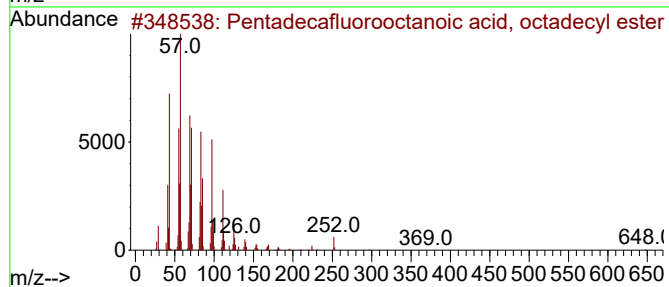
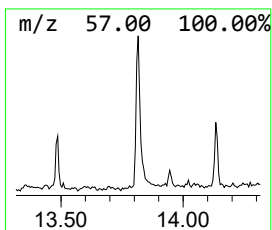
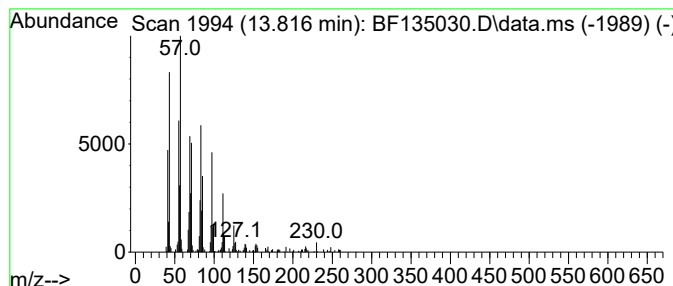
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Pentadecafluorooctanoic aci... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.816    | 4.52 ng                             | 209096 | Chrysene-d12     | 13.957       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Pentadecafluorooctanoic acid, oc... | 666    | C26H37F15O2      | 1000406-04-8 | 95   |
| 2         | Tricosyl trifluoroacetate           | 436    | C25H47F3O2       | 1000351-75-1 | 91   |
| 3         | Ethanol, 2-(tetradecyloxy)-         | 258    | C16H34O2         | 002136-70-1  | 91   |
| 4         | Tricosyl heptafluorobutyrate        | 536    | C27H47F7O2       | 1000351-83-4 | 91   |
| 5         | Pentafluoropropionic acid, hepta... | 402    | C20H35F5O2       | 959218-78-1  | 90   |



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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

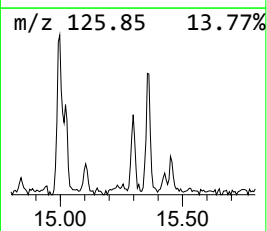
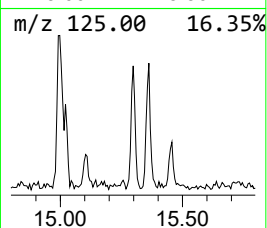
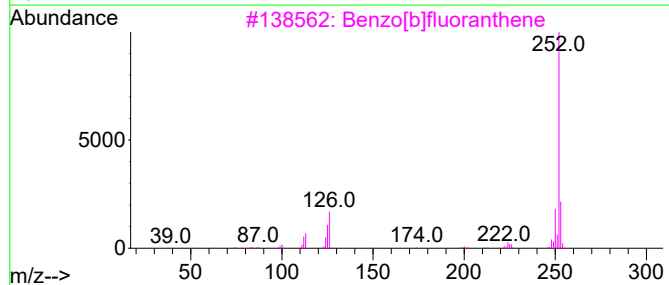
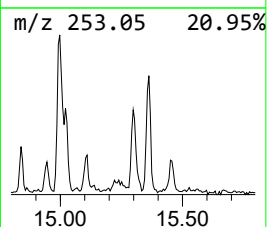
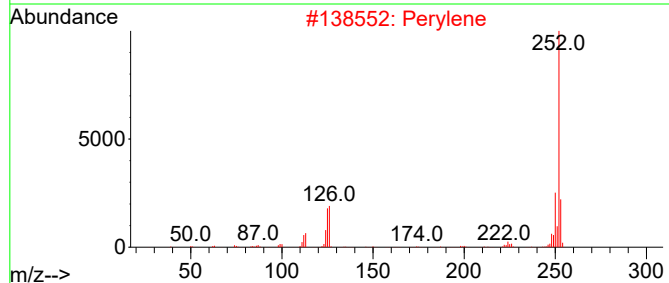
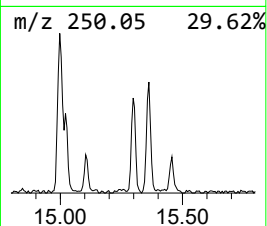
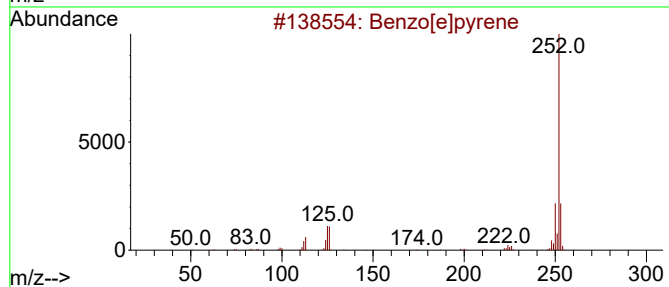
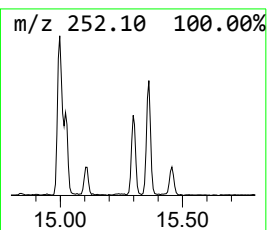
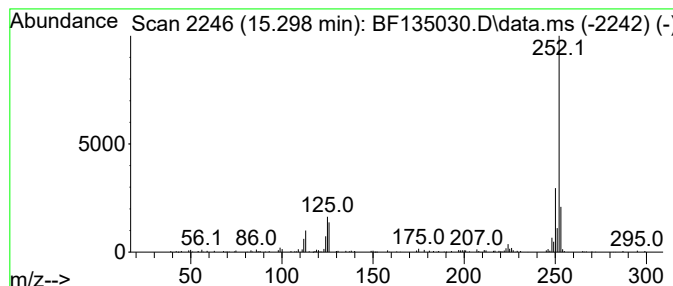
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzo[e]pyrene Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.298 | 3.67 ng | 112386 | Perylene-d12     | 15.427 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 87   |
| 5    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083023\  
Data File : BF135030.D  
Acq On : 31 Aug 2023 05:02  
Operator : CG\JU  
Sample : 04188-10  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| n-Hexadecanoic ... | 11.839 | 7.7     | ng    | 306645   | 4                     | 11.298 | 799508 | 20.0 |
| Octadecanoic acid  | 12.627 | 2.9     | ng    | 115163   | 4                     | 11.298 | 799508 | 20.0 |
| Pentadecafluoro... | 13.816 | 4.5     | ng    | 209096   | 5                     | 13.957 | 925738 | 20.0 |
| Benzo[e]pyrene     | 15.298 | 3.7     | ng    | 112386   | 6                     | 15.427 | 612688 | 20.0 |