

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072123\  
 Data File : BF134403.D  
 Acq On : 21 Jul 2023 16:10  
 Operator : CG\JU  
 Sample : 03639-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP4

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-BF062623.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134403.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         | 5.075       | 505           | 508         | 517          | rVB      | 14027          | 18503         | 1.55%           | 0.171%        |
| 2         | 5.469       | 572           | 575         | 588          | rBV      | 964764         | 917581        | 76.73%          | 8.461%        |
| 3         | 6.475       | 742           | 746         | 765          | rBV      | 1084704        | 964664        | 80.67%          | 8.895%        |
| 4         | 6.834       | 804           | 807         | 813          | rBV      | 413985         | 353043        | 29.52%          | 3.255%        |
| 5         | 7.398       | 899           | 903         | 914          | rBV      | 756159         | 623170        | 52.11%          | 5.746%        |
| 6         | 8.116       | 1021          | 1025        | 1028         | rBV      | 579797         | 455398        | 38.08%          | 4.199%        |
| 7         | 9.192       | 1204          | 1208        | 1211         | rBV      | 1514027        | 1195867       | 100.00%         | 11.027%       |
| 8         | 9.875       | 1320          | 1324        | 1327         | rBV      | 598819         | 498147        | 41.66%          | 4.593%        |
| 9         | 10.669      | 1455          | 1459        | 1471         | rBV      | 826137         | 782314        | 65.42%          | 7.214%        |
| 10        | 11.316      | 1566          | 1569        | 1573         | rBV      | 21308          | 23931         | 2.00%           | 0.221%        |
| 11        | 11.369      | 1573          | 1578        | 1580         | rVV      | 592042         | 524087        | 43.82%          | 4.833%        |
| 12        | 11.392      | 1580          | 1582        | 1585         | rVB      | 146948         | 115936        | 9.69%           | 1.069%        |
| 13        | 11.863      | 1659          | 1662        | 1665         | rBV2     | 39715          | 50580         | 4.23%           | 0.466%        |
| 14        | 11.898      | 1665          | 1668        | 1675         | rVV      | 268974         | 248269        | 20.76%          | 2.289%        |
| 15        | 11.986      | 1679          | 1683        | 1685         | rBV2     | 26282          | 22865         | 1.91%           | 0.211%        |
| 16        | 12.204      | 1717          | 1720        | 1725         | rVB      | 32877          | 32064         | 2.68%           | 0.296%        |
| 17        | 12.516      | 1770          | 1773        | 1778         | rBV2     | 16257          | 18196         | 1.52%           | 0.168%        |
| 18        | 12.586      | 1782          | 1785        | 1789         | rBV      | 338462         | 319756        | 26.74%          | 2.949%        |
| 19        | 12.686      | 1800          | 1802        | 1807         | rBV2     | 49720          | 51426         | 4.30%           | 0.474%        |
| 20        | 12.822      | 1818          | 1825        | 1829         | rBV      | 279624         | 287199        | 24.02%          | 2.648%        |
| 21        | 12.875      | 1829          | 1834        | 1839         | rVB3     | 11637          | 19490         | 1.63%           | 0.180%        |
| 22        | 12.963      | 1845          | 1849        | 1852         | rBV      | 1343960        | 1073798       | 89.79%          | 9.902%        |
| 23        | 13.045      | 1857          | 1863        | 1866         | rBV5     | 15557          | 27361         | 2.29%           | 0.252%        |
| 24        | 13.133      | 1873          | 1878        | 1879         | rBV4     | 12993          | 19498         | 1.63%           | 0.180%        |
| 25        | 13.151      | 1879          | 1881        | 1884         | rVB      | 27858          | 24182         | 2.02%           | 0.223%        |
| 26        | 13.257      | 1896          | 1899        | 1906         | rVB3     | 25015          | 30167         | 2.52%           | 0.278%        |
| 27        | 13.533      | 1942          | 1946        | 1949         | rBV5     | 15536          | 20089         | 1.68%           | 0.185%        |
| 28        | 13.669      | 1966          | 1969        | 1972         | rVB      | 23765          | 23179         | 1.94%           | 0.214%        |
| 29        | 13.780      | 1984          | 1988        | 1990         | rBV      | 24724          | 25557         | 2.14%           | 0.236%        |
| 30        | 13.827      | 1994          | 1996        | 2000         | rBV2     | 13106          | 16428         | 1.37%           | 0.151%        |
| 31        | 13.875      | 2000          | 2004        | 2008         | rVB3     | 23177          | 32233         | 2.70%           | 0.297%        |
| 32        | 13.933      | 2008          | 2014        | 2016         | rBV5     | 32744          | 72551         | 6.07%           | 0.669%        |
| 33        | 14.027      | 2023          | 2030        | 2033         | rBV2     | 394425         | 464624        | 38.85%          | 4.284%        |
| 34        | 14.057      | 2033          | 2035        | 2043         | rVB      | 125879         | 114892        | 9.61%           | 1.059%        |
| 35        | 14.186      | 2054          | 2057        | 2060         | rBV3     | 23890          | 25554         | 2.14%           | 0.236%        |
| 36        | 14.422      | 2092          | 2097        | 2100         | rVB      | 19423          | 24655         | 2.06%           | 0.227%        |

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 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP4

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-BF062623.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.469 | 2100 | 2105 | 2107 | rBV4 | 16341  | 27518  | 2.30%  | 0.254% |
| 38 | 14.492 | 2107 | 2109 | 2112 | rVB4 | 15650  | 16959  | 1.42%  | 0.156% |
| 39 | 14.957 | 2185 | 2188 | 2194 | rVB  | 78214  | 86241  | 7.21%  | 0.795% |
| 40 | 15.092 | 2207 | 2211 | 2214 | rBV  | 120569 | 173538 | 14.51% | 1.600% |
| 41 | 15.157 | 2219 | 2222 | 2227 | rVB4 | 20302  | 30010  | 2.51%  | 0.277% |
| 42 | 15.204 | 2227 | 2230 | 2234 | rBV  | 17694  | 20795  | 1.74%  | 0.192% |
| 43 | 15.269 | 2234 | 2241 | 2242 | rBV6 | 20316  | 31280  | 2.62%  | 0.288% |
| 44 | 15.404 | 2260 | 2264 | 2271 | rVB  | 68137  | 87113  | 7.28%  | 0.803% |
| 45 | 15.469 | 2271 | 2275 | 2281 | rVB  | 90518  | 114004 | 9.53%  | 1.051% |
| 46 | 15.533 | 2281 | 2286 | 2297 | rBV  | 270301 | 394548 | 32.99% | 3.638% |
| 47 | 15.763 | 2323 | 2325 | 2332 | rVB7 | 22912  | 37202  | 3.11%  | 0.343% |
| 48 | 16.010 | 2361 | 2367 | 2373 | rVB2 | 35987  | 58778  | 4.92%  | 0.542% |
| 49 | 16.857 | 2507 | 2511 | 2518 | rBV7 | 10190  | 22276  | 1.86%  | 0.205% |
| 50 | 17.080 | 2543 | 2549 | 2557 | rVB2 | 47041  | 105072 | 8.79%  | 0.969% |
| 51 | 17.174 | 2560 | 2565 | 2570 | rVV5 | 17351  | 34752  | 2.91%  | 0.320% |
| 52 | 17.557 | 2624 | 2630 | 2642 | rVB  | 36893  | 87274  | 7.30%  | 0.805% |

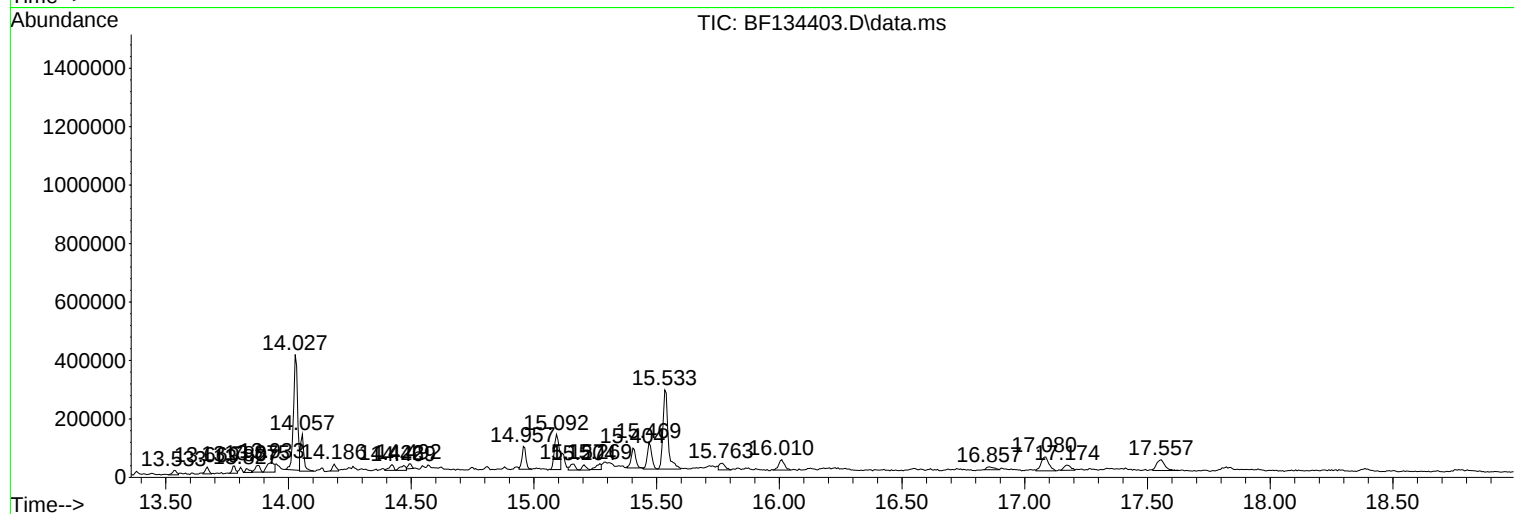
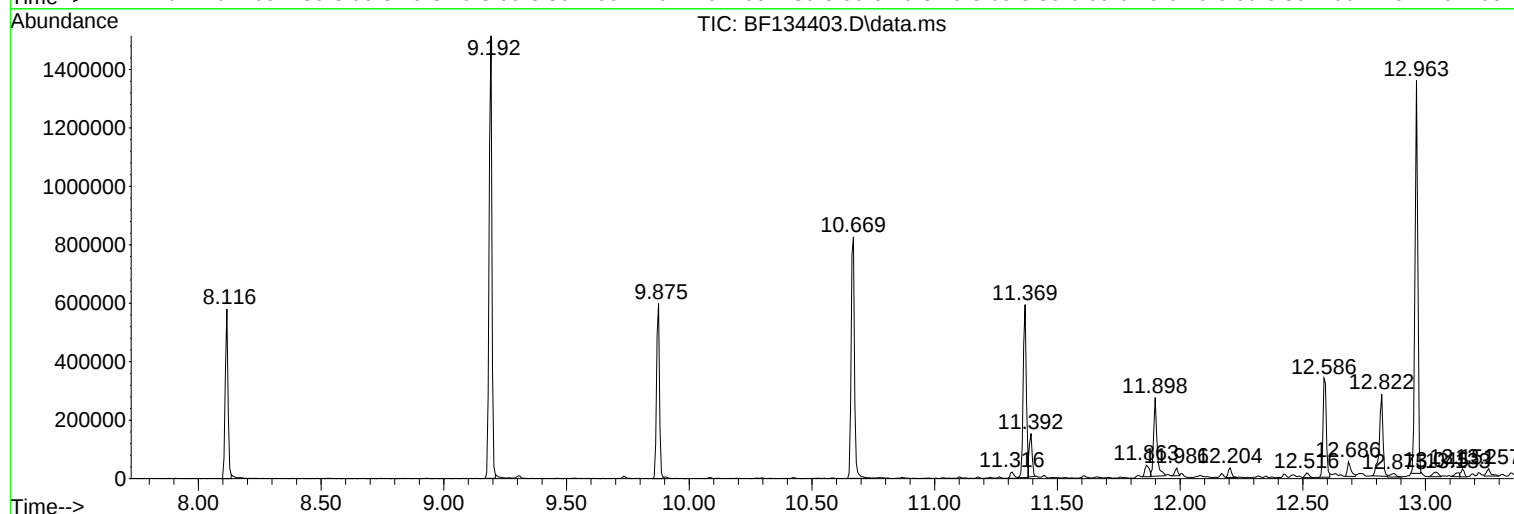
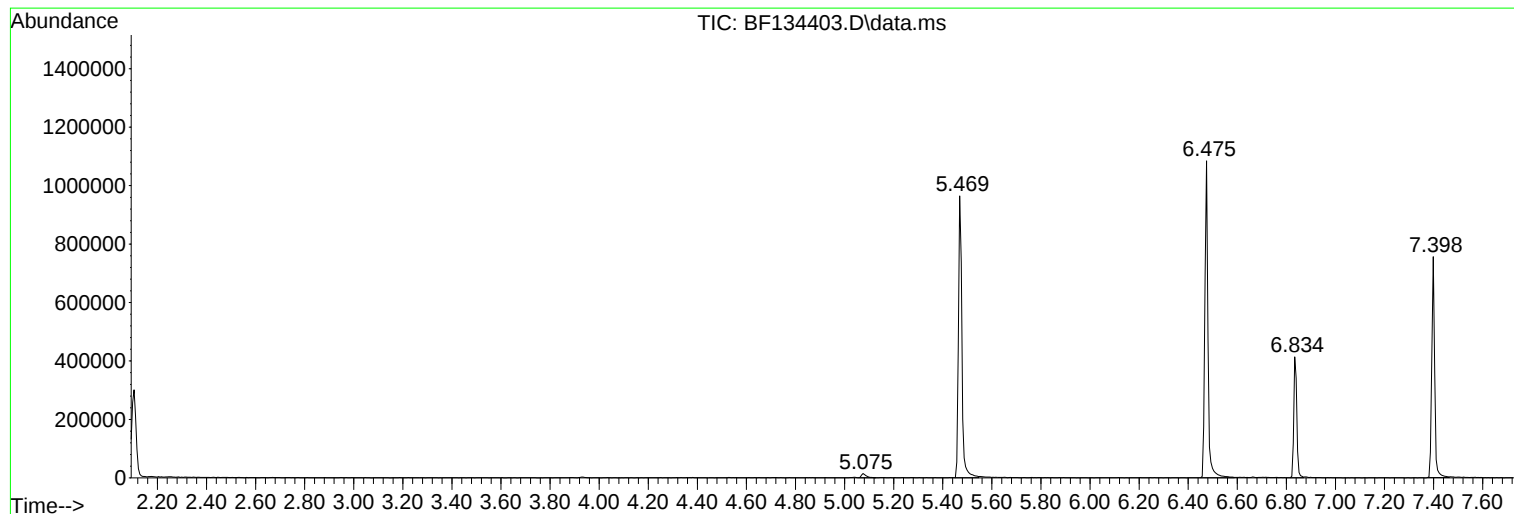
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072123\  
Data File : BF134403.D  
Acq On : 21 Jul 2023 16:10  
Operator : CG\JU  
Sample : 03639-11  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP4

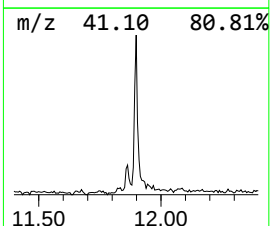
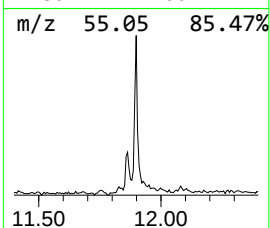
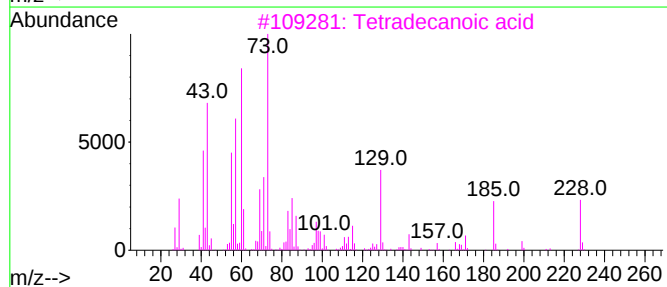
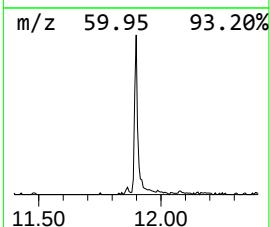
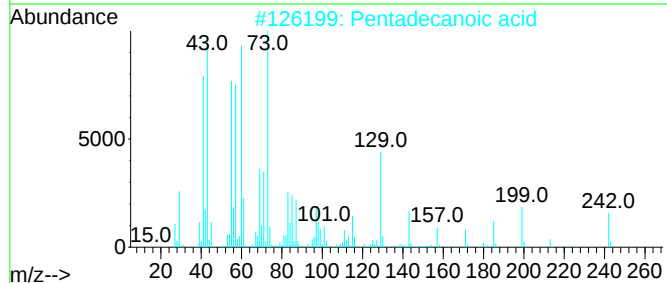
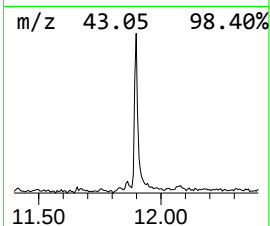
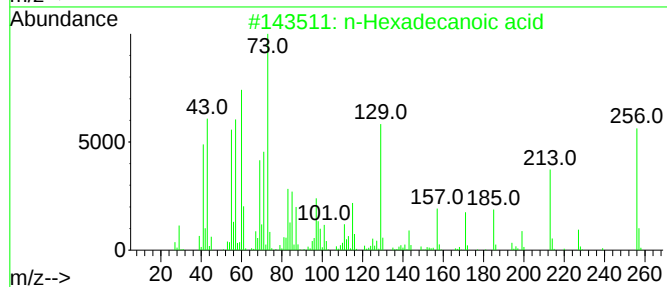
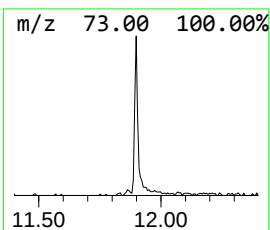
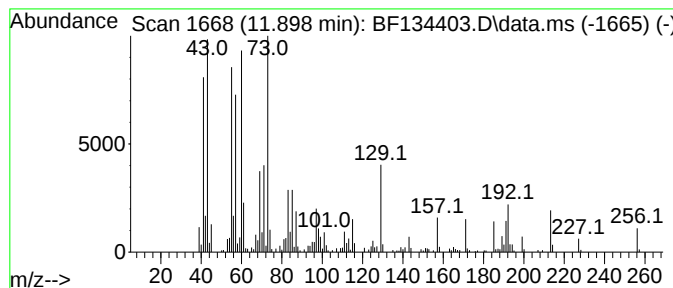
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.   |
|--------|---------|--------|------------------|--------|
| 11.898 | 9.47 ng | 248269 | Phenanthrene-d10 | 11.369 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 74   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 64   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |



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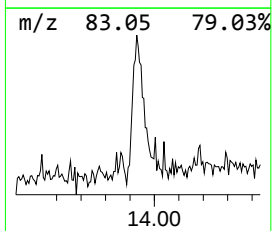
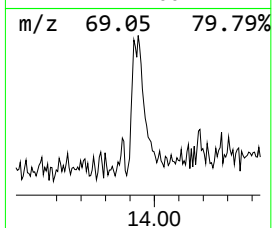
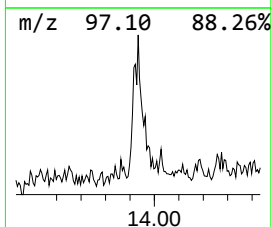
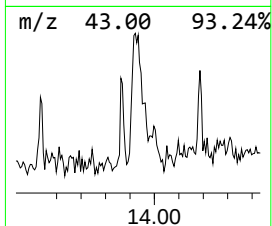
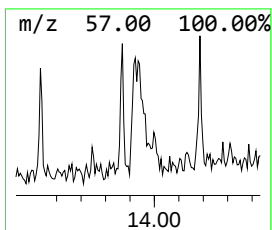
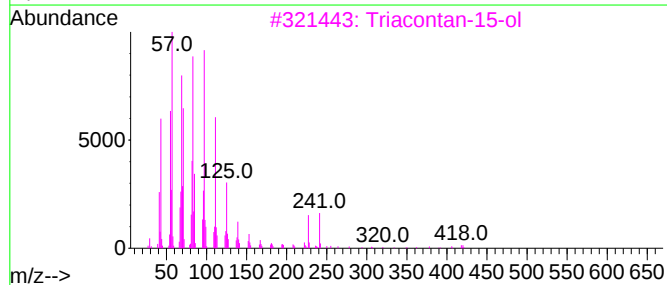
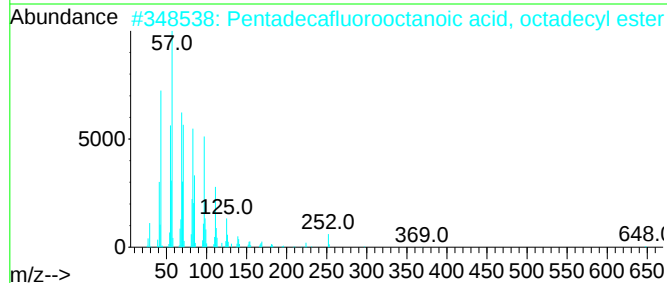
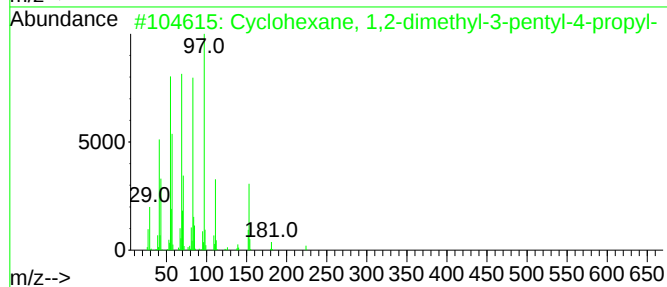
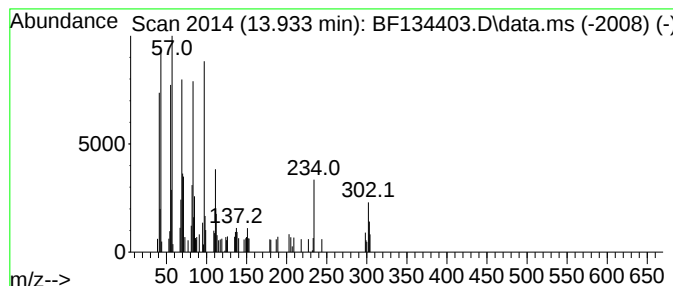
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Cyclohexane, 1,2-dimethyl-3... Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.933 | 3.12 ng | 72551 | Chrysene-d12     | 14.027 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32      | 062376-17-4  | 72   |
| 2    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 64   |
| 3    |    |   | Triacontan-15-ol                    | 438 | C30H62O     | 031849-26-0  | 64   |
| 4    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 62   |
| 5    |    |   | Heptacosyl acetate                  | 438 | C29H58O2    | 1000351-78-2 | 60   |



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Instrument :  
BNA\_F  
ClientSampleId :  
TP4

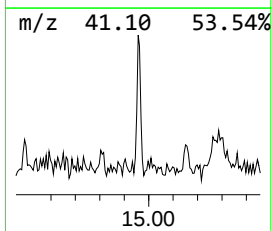
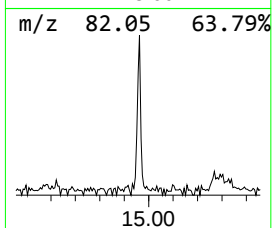
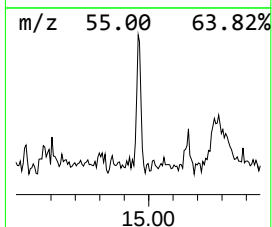
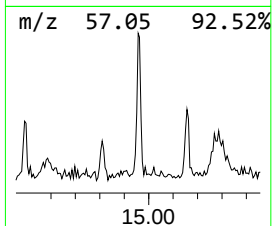
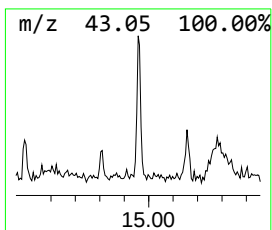
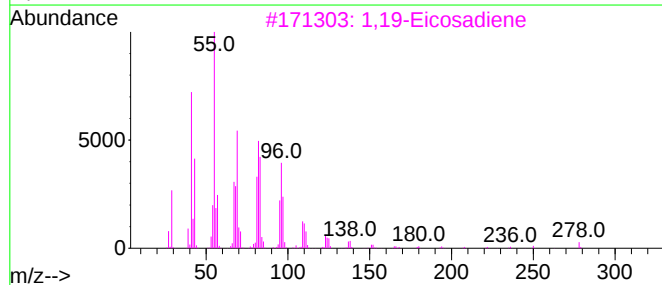
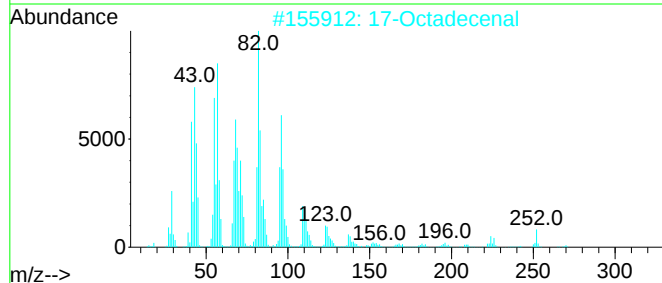
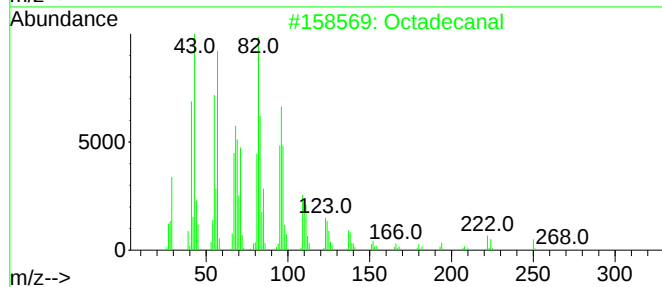
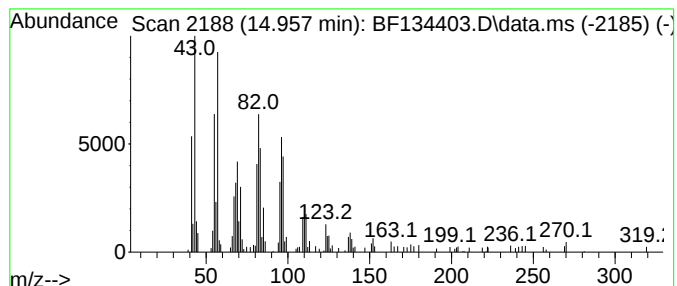
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Octadecanal Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.957 | 4.37 ng | 86241 | Perylene-d12     | 15.533 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecanal        | 268 | C18H36O | 000638-66-4 | 87   |
| 2    |    |   | 17-Octadecenal     | 266 | C18H34O | 056554-86-0 | 86   |
| 3    |    |   | 1,19-Eicosadiene   | 278 | C20H38  | 014811-95-1 | 81   |
| 4    |    |   | 1,15-Hexadecadiene | 222 | C16H30  | 021964-51-2 | 64   |
| 5    |    |   | Cycloheptadecanol  | 254 | C17H34O | 004429-77-0 | 52   |



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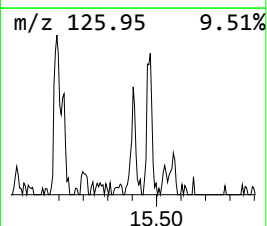
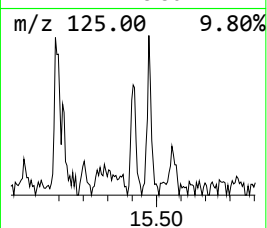
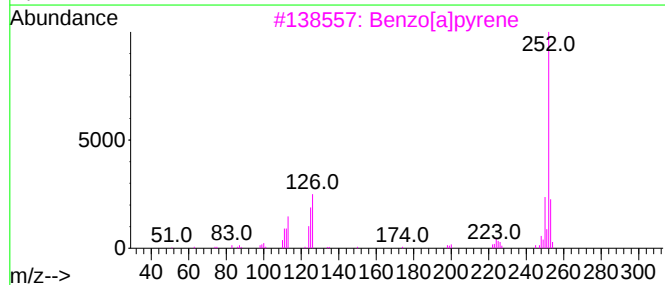
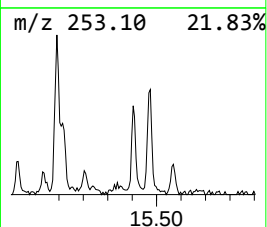
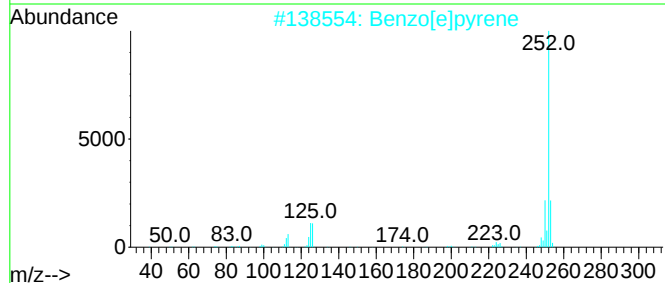
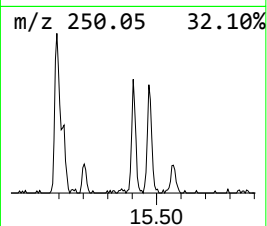
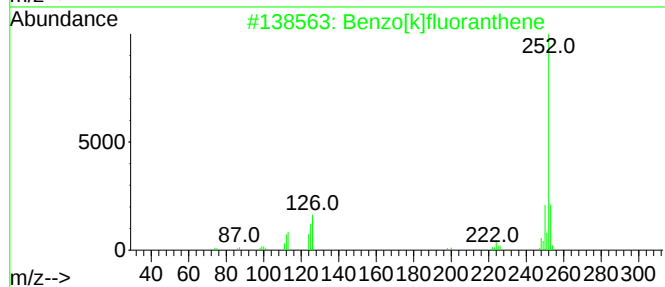
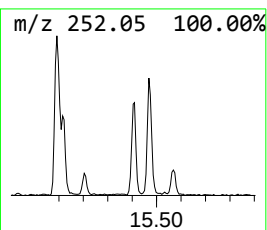
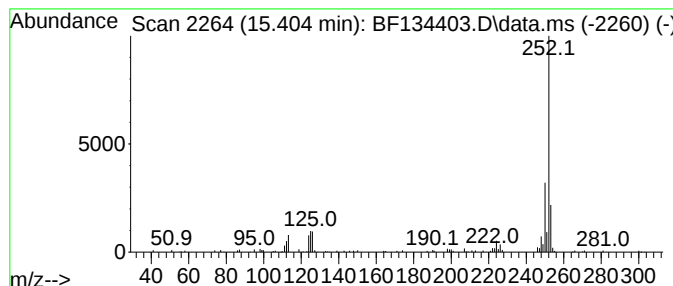
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.404 | 4.42 ng | 87113 | Perylene-d12     | 15.533 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 2    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 94   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 87   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072123\  
Data File : BF134403.D  
Acq On : 21 Jul 2023 16:10  
Operator : CG\JU  
Sample : 03639-11  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

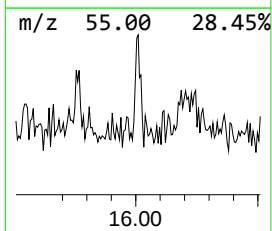
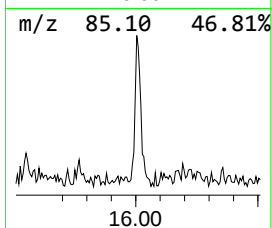
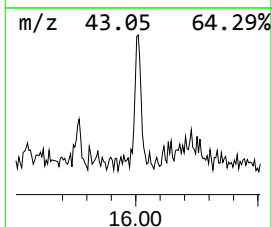
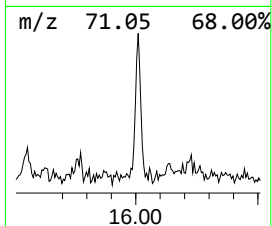
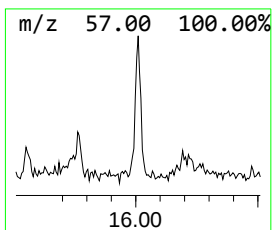
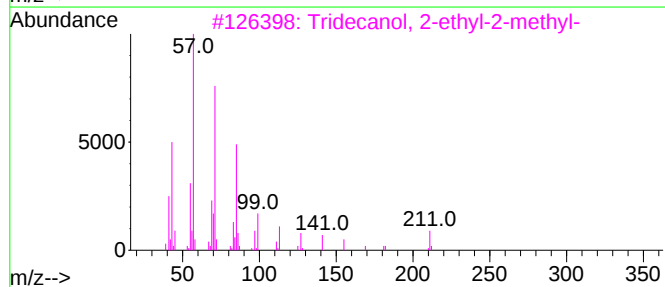
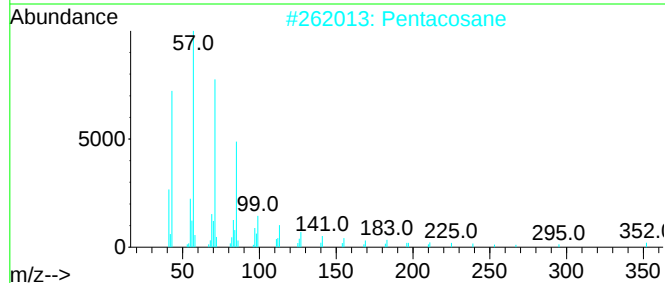
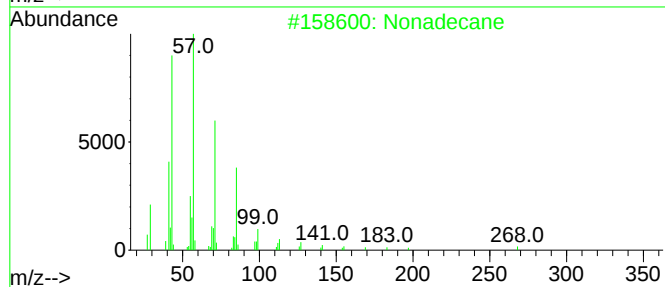
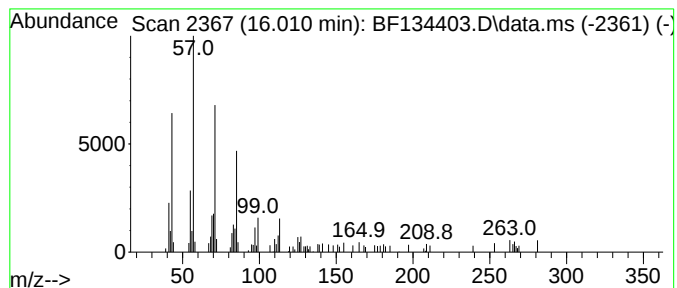
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 16.010 | 2.98 ng | 58778 | Perylene-d12     | 15.533 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------|-----|---------|--------------|------|
| 1    |    |   | Nonadecane                    | 268 | C19H40  | 000629-92-5  | 91   |
| 2    |    |   | Pentacosane                   | 352 | C25H52  | 000629-99-2  | 87   |
| 3    |    |   | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1010115-66-1 | 80   |
| 4    |    |   | Triacontane                   | 422 | C30H62  | 000638-68-6  | 72   |
| 5    |    |   | Octadecane, 1-iodo-           | 380 | C18H37I | 000629-93-6  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072123\  
Data File : BF134403.D  
Acq On : 21 Jul 2023 16:10  
Operator : CG\JU  
Sample : 03639-11  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.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 ... | 11.898 | 9.5     | ng    | 248269   | 4                     | 11.369 | 524087 | 20.0 |
| Cyclohexane, 1,... | 13.933 | 3.1     | ng    | 72551    | 5                     | 14.027 | 464624 | 20.0 |
| Octadecanal        | 14.957 | 4.4     | ng    | 86241    | 6                     | 15.533 | 394548 | 20.0 |
| Benzo[e]pyrene     | 15.404 | 4.4     | ng    | 87113    | 6                     | 15.533 | 394548 | 20.0 |
| Nonadecane         | 16.010 | 3.0     | ng    | 58778    | 6                     | 15.533 | 394548 | 20.0 |