

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092023\  
 Data File : BF135365.D  
 Acq On : 20 Sep 2023 19:15  
 Operator : CG\JU  
 Sample : 04397-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPT103-07

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135365.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         | 2.122       | 3             | 6           | 15           | rVB      | 50735          | 65190         | 2.24%           | 0.308%        |
| 2         | 4.999       | 491           | 495         | 504          | rVB      | 36804          | 49316         | 1.69%           | 0.233%        |
| 3         | 5.393       | 558           | 562         | 582          | rBV      | 2941630        | 2886920       | 99.04%          | 13.629%       |
| 4         | 6.404       | 729           | 734         | 756          | rBV      | 2913556        | 2914835       | 100.00%         | 13.761%       |
| 5         | 6.598       | 763           | 767         | 772          | rBV3     | 19258          | 37862         | 1.30%           | 0.179%        |
| 6         | 6.757       | 790           | 794         | 801          | rBV      | 1090254        | 845623        | 29.01%          | 3.992%        |
| 7         | 7.322       | 885           | 890         | 893          | rBV      | 2043665        | 1739251       | 59.67%          | 8.211%        |
| 8         | 8.034       | 1007          | 1011        | 1017         | rBV      | 1232510        | 1032995       | 35.44%          | 4.877%        |
| 9         | 9.116       | 1190          | 1195        | 1198         | rBV      | 2882676        | 2527681       | 86.72%          | 11.933%       |
| 10        | 9.234       | 1210          | 1215        | 1220         | rVB      | 45830          | 46127         | 1.58%           | 0.218%        |
| 11        | 9.792       | 1306          | 1310        | 1313         | rBV      | 1210874        | 989629        | 33.95%          | 4.672%        |
| 12        | 9.822       | 1313          | 1315        | 1320         | rVB      | 51547          | 46560         | 1.60%           | 0.220%        |
| 13        | 10.339      | 1400          | 1403        | 1409         | rBV2     | 30362          | 33132         | 1.14%           | 0.156%        |
| 14        | 10.586      | 1441          | 1445        | 1456         | rBV      | 1370795        | 1365273       | 46.84%          | 6.446%        |
| 15        | 11.286      | 1560          | 1564        | 1566         | rBV      | 972218         | 848045        | 29.09%          | 4.004%        |
| 16        | 11.310      | 1566          | 1568        | 1572         | rVV      | 255205         | 212656        | 7.30%           | 1.004%        |
| 17        | 11.357      | 1572          | 1576        | 1580         | rVB      | 53199          | 61817         | 2.12%           | 0.292%        |
| 18        | 11.616      | 1616          | 1620        | 1626         | rVB2     | 23458          | 29558         | 1.01%           | 0.140%        |
| 19        | 11.786      | 1646          | 1649        | 1652         | rBV      | 80722          | 76424         | 2.62%           | 0.361%        |
| 20        | 11.822      | 1652          | 1655        | 1660         | rVV      | 243566         | 250448        | 8.59%           | 1.182%        |
| 21        | 11.898      | 1665          | 1668        | 1671         | rVV      | 107353         | 128116        | 4.40%           | 0.605%        |
| 22        | 11.922      | 1671          | 1672        | 1678         | rVB      | 66483          | 51764         | 1.78%           | 0.244%        |
| 23        | 12.339      | 1740          | 1743        | 1746         | rBV      | 64971          | 63962         | 2.19%           | 0.302%        |
| 24        | 12.380      | 1746          | 1750        | 1752         | rVV3     | 33896          | 44565         | 1.53%           | 0.210%        |
| 25        | 12.433      | 1755          | 1759        | 1767         | rVB5     | 32404          | 45000         | 1.54%           | 0.212%        |
| 26        | 12.504      | 1767          | 1771        | 1775         | rBV      | 235761         | 209050        | 7.17%           | 0.987%        |
| 27        | 12.610      | 1786          | 1789        | 1793         | rBV6     | 23257          | 31811         | 1.09%           | 0.150%        |
| 28        | 12.733      | 1805          | 1810        | 1813         | rBV      | 253513         | 238747        | 8.19%           | 1.127%        |
| 29        | 12.880      | 1831          | 1835        | 1838         | rBV      | 1964891        | 1750711       | 60.06%          | 8.265%        |
| 30        | 12.951      | 1844          | 1847        | 1852         | rBV4     | 27814          | 40895         | 1.40%           | 0.193%        |
| 31        | 13.045      | 1859          | 1863        | 1864         | rBV3     | 27272          | 32410         | 1.11%           | 0.153%        |
| 32        | 13.063      | 1864          | 1866        | 1870         | rVB      | 45433          | 46075         | 1.58%           | 0.218%        |
| 33        | 13.169      | 1881          | 1884        | 1887         | rBV2     | 36289          | 34361         | 1.18%           | 0.162%        |
| 34        | 13.292      | 1902          | 1905        | 1908         | rBV      | 35271          | 29465         | 1.01%           | 0.139%        |
| 35        | 13.363      | 1913          | 1917        | 1924         | rVV2     | 160738         | 220099        | 7.55%           | 1.039%        |
| 36        | 13.580      | 1951          | 1954        | 1958         | rVB      | 31282          | 38186         | 1.31%           | 0.180%        |

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Sample : 04397-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CPT103-07

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-BF091123.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.686 | 1970 | 1972 | 1975 | rBV  | 26873  | 30610  | 1.05%  | 0.145% |
| 38 | 13.792 | 1987 | 1990 | 1993 | rVB  | 33233  | 29460  | 1.01%  | 0.139% |
| 39 | 13.939 | 2010 | 2015 | 2018 | rBV2 | 830897 | 888618 | 30.49% | 4.195% |
| 40 | 13.969 | 2018 | 2020 | 2026 | rVB  | 138312 | 132655 | 4.55%  | 0.626% |
| 41 | 14.980 | 2189 | 2192 | 2195 | rBV  | 106815 | 139449 | 4.78%  | 0.658% |
| 42 | 15.280 | 2240 | 2243 | 2247 | rBV  | 57884  | 73341  | 2.52%  | 0.346% |
| 43 | 15.345 | 2251 | 2254 | 2260 | rVB  | 83228  | 100371 | 3.44%  | 0.474% |
| 44 | 15.410 | 2260 | 2265 | 2269 | rBV  | 575388 | 722349 | 24.78% | 3.410% |

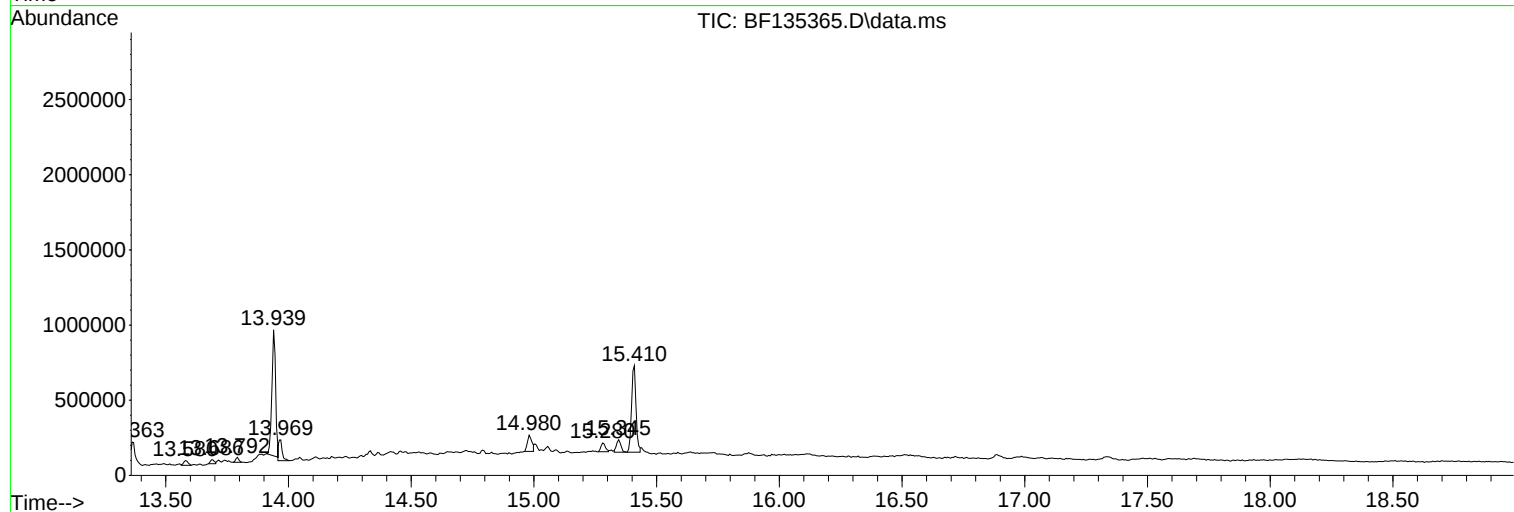
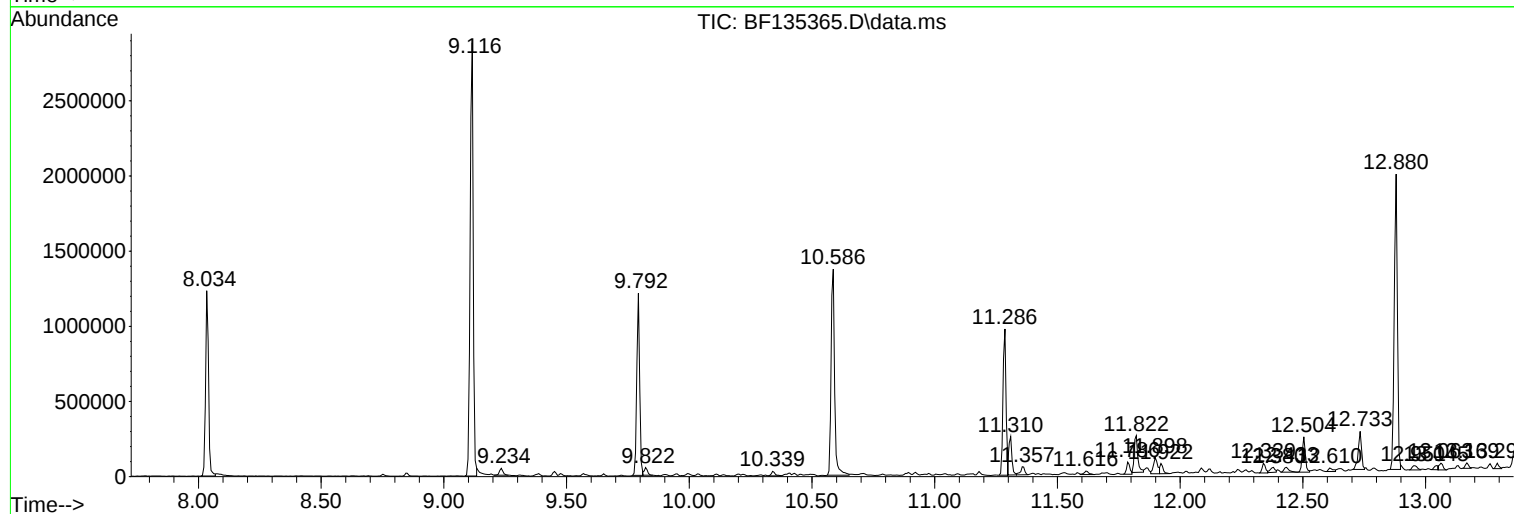
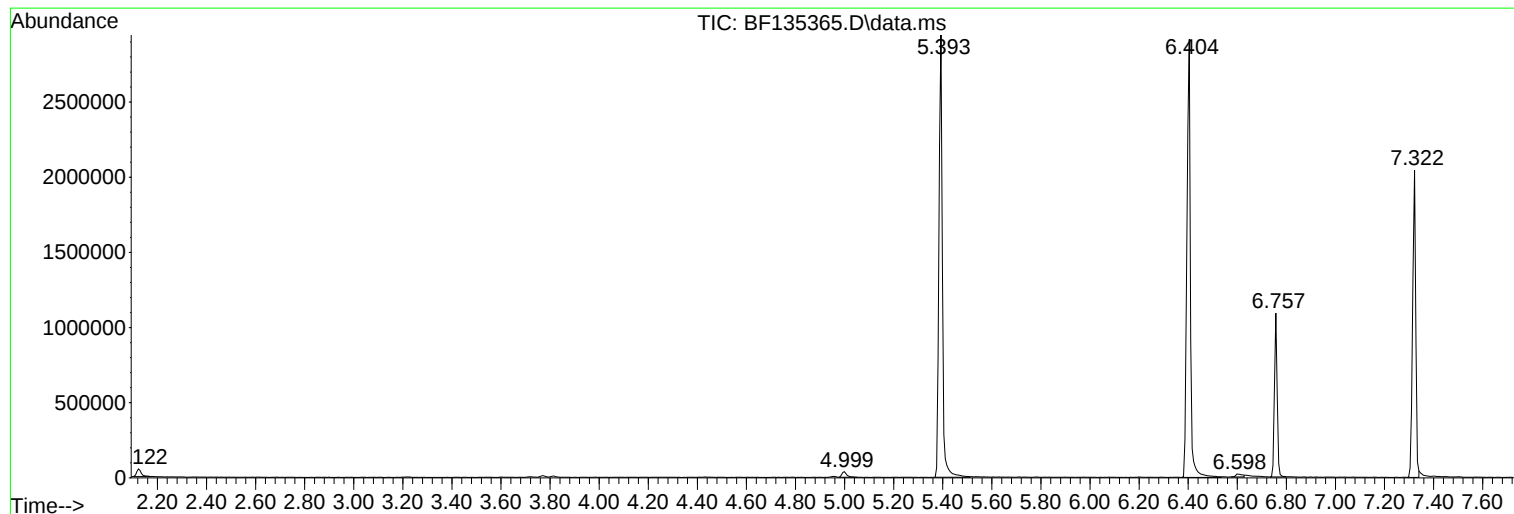
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092023\  
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ClientSampleId :  
CPT103-07

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.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 : 04397-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CPT103-07

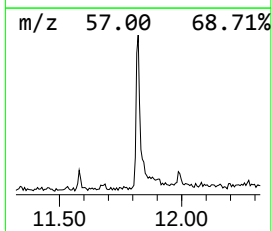
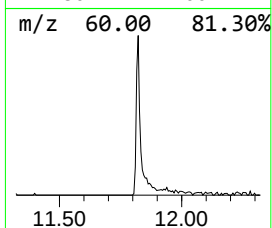
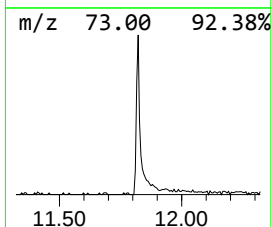
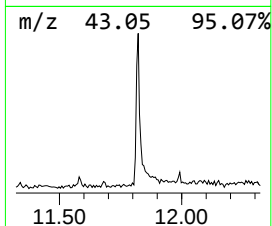
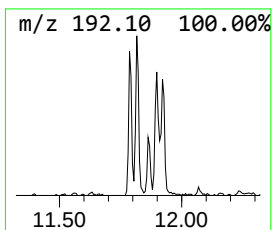
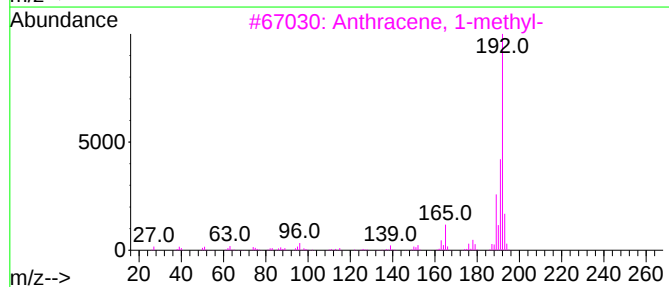
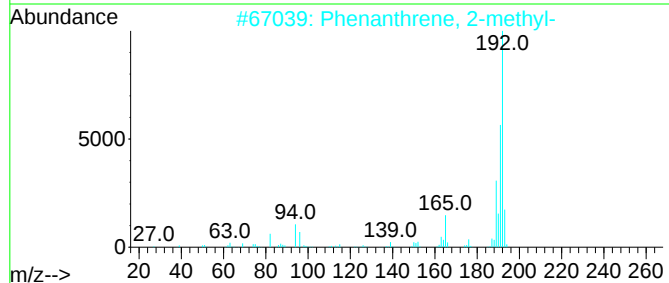
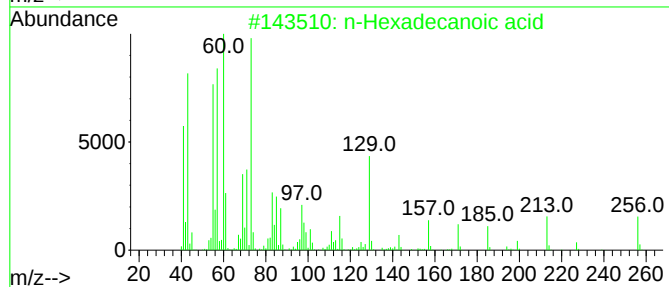
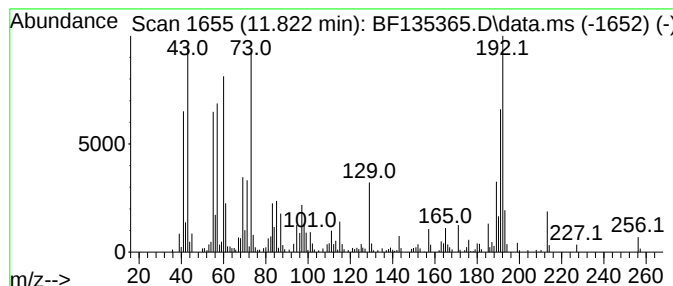
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.822 | 5.91 ng | 250448 | Phenanthrene-d10 | 11.286 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid     | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12   | 002531-84-2 | 93   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12   | 000610-48-0 | 83   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12   | 000613-12-7 | 80   |
| 5    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12   | 000832-69-9 | 80   |



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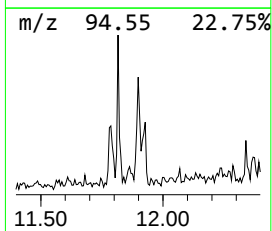
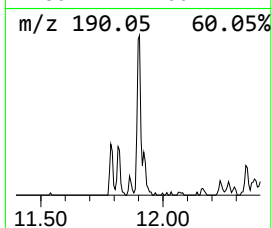
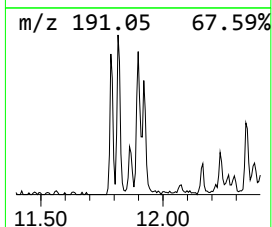
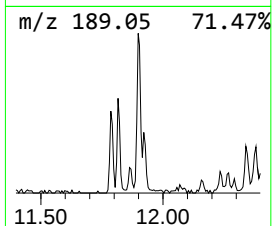
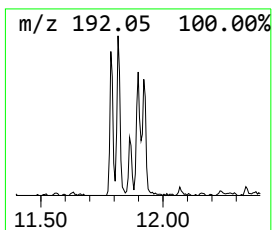
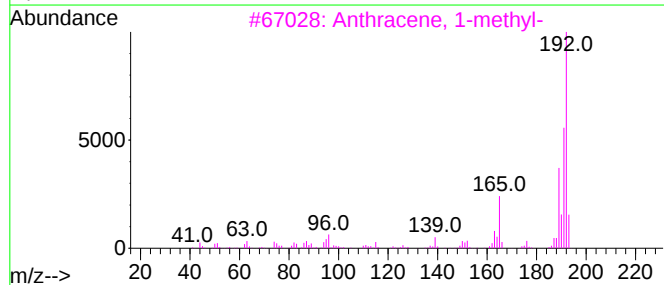
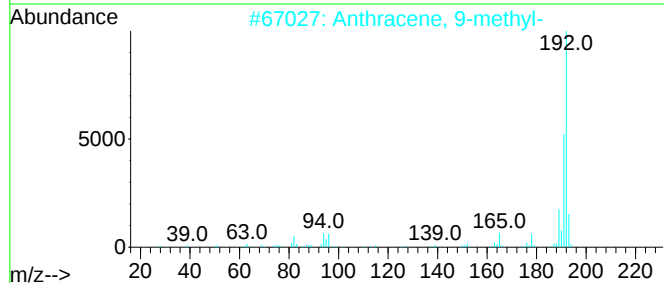
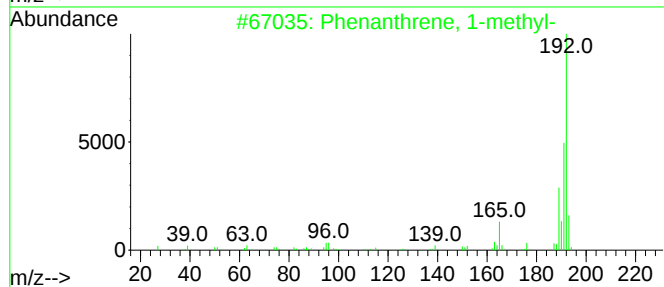
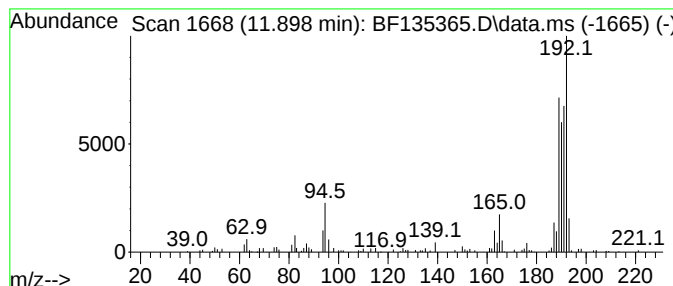
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.898 | 3.02 ng | 128116 | Phenanthrene-d10 | 11.286 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------|-----|----------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-     | 192 | C15H12   | 000832-69-9 | 60   |
| 2    |    |   | Anthracene, 9-methyl-       | 192 | C15H12   | 000779-02-2 | 60   |
| 3    |    |   | Anthracene, 1-methyl-       | 192 | C15H12   | 000610-48-0 | 55   |
| 4    |    |   | Phenanthrene, 2-methyl-     | 192 | C15H12   | 002531-84-2 | 53   |
| 5    |    |   | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 50   |



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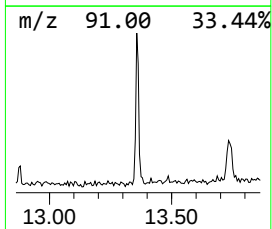
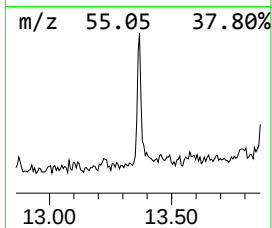
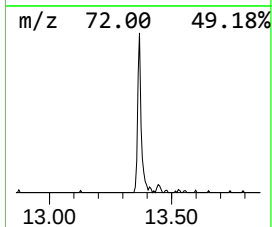
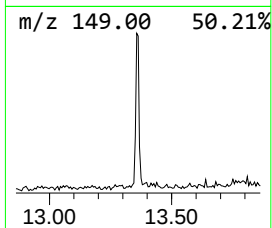
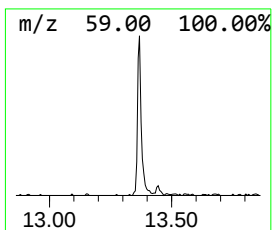
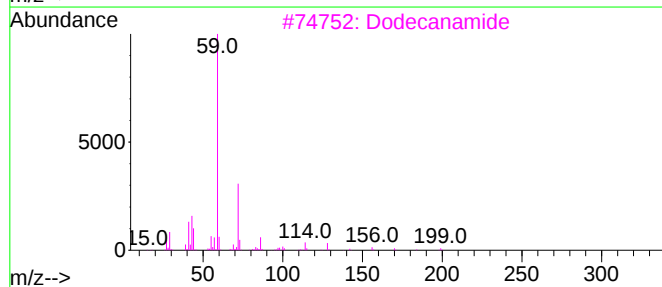
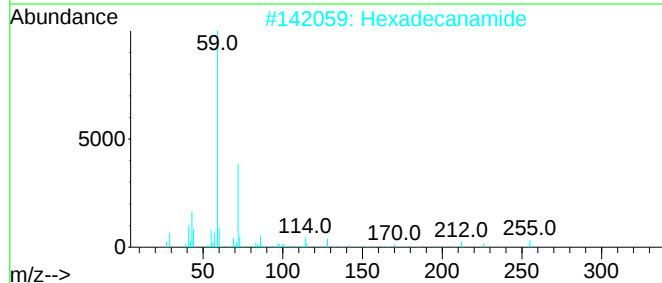
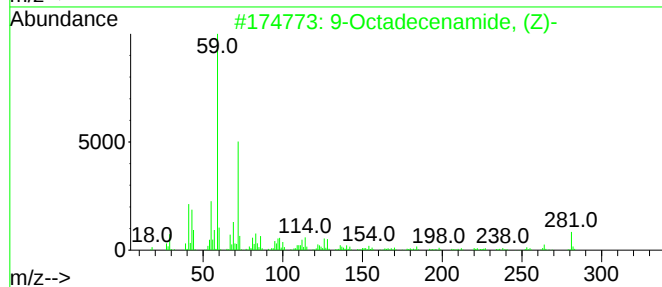
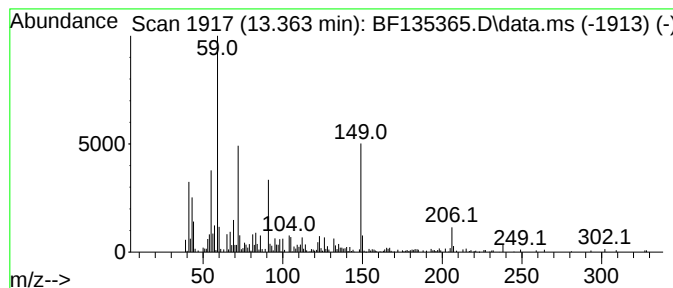
Instrument :  
BNA\_F  
ClientSampleId :  
CPT103-07

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 9-Octadecenamide, (Z)- Concentration Rank 2

| R.T.      | EstConc                | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|------------------------|--------|------------------|----------|-------------|------|
| 13.363    | 4.95 ng                | 220099 | Chrysene-d12     |          | 13.939      |      |
| Hit# of 5 | Tentative ID           |        | MW               | MolForm  | CAS#        | Qual |
| 1         | 9-Octadecenamide, (Z)- |        | 281              | C18H35NO | 000301-02-0 | 50   |
| 2         | Hexadecanamide         |        | 255              | C16H33NO | 000629-54-9 | 50   |
| 3         | Dodecanamide           |        | 199              | C12H25NO | 001120-16-7 | 46   |
| 4         | Nonanamide             |        | 157              | C9H19NO  | 001120-07-6 | 46   |
| 5         | Pentanamide, 4-methyl- |        | 115              | C6H13NO  | 001119-29-5 | 38   |



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BNA\_F  
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CPT103-07

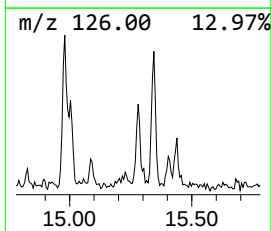
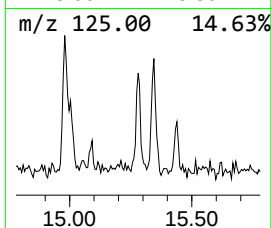
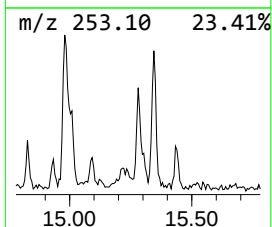
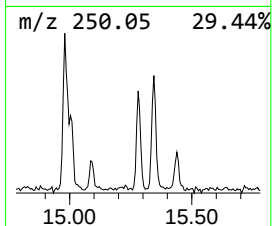
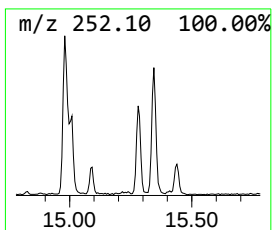
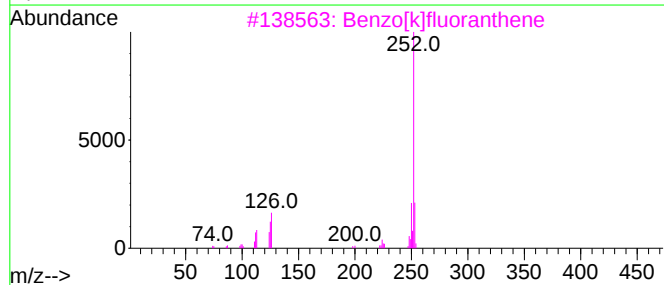
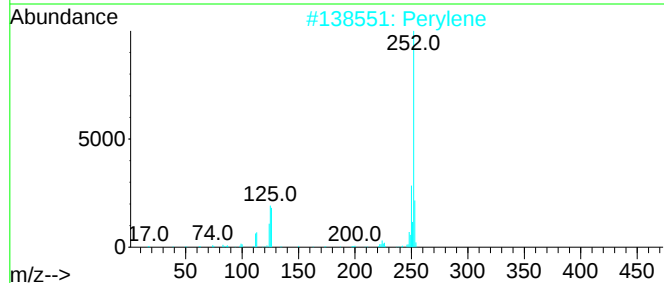
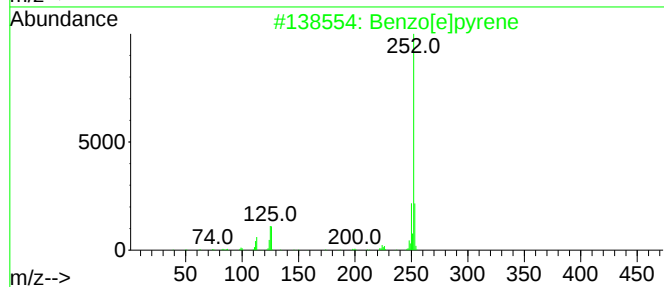
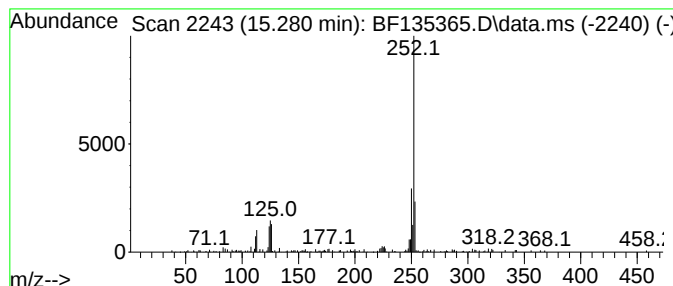
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.280 | 2.03 ng | 73341 | Perylene-d12     | 15.410 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 90   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 90   |
| 5    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092023\  
Data File : BF135365.D  
Acq On : 20 Sep 2023 19:15  
Operator : CG\JU  
Sample : 04397-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CPT103-07

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.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 ... | 11.822 | 5.9     | ng    | 250448   | 4                     | 11.286 | 848045 | 20.0 |
| Phenanthrene, 1... | 11.898 | 3.0     | ng    | 128116   | 4                     | 11.286 | 848045 | 20.0 |
| 9-Octadecenamid... | 13.363 | 5.0     | ng    | 220099   | 5                     | 13.939 | 888618 | 20.0 |
| Benzo[e]pyrene     | 15.280 | 2.0     | ng    | 73341    | 6                     | 15.410 | 722349 | 20.0 |