

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062425\  
 Data File : BF142815.D  
 Acq On : 24 Jun 2025 12:22  
 Operator : RC/JU  
 Sample : Q2380-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11948

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142815.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         | 5.087       | 482           | 492         | 504          | rBV      | 76704          | 111606        | 9.37%           | 1.187%        |
| 2         | 5.492       | 555           | 561         | 574          | rBV      | 831546         | 1066004       | 89.49%          | 11.340%       |
| 3         | 6.504       | 727           | 733         | 752          | rVB      | 814150         | 1060403       | 89.02%          | 11.280%       |
| 4         | 6.881       | 792           | 797         | 802          | rBV      | 305967         | 388333        | 32.60%          | 4.131%        |
| 5         | 7.439       | 886           | 892         | 897          | rBV      | 537501         | 666035        | 55.92%          | 7.085%        |
| 6         | 8.163       | 1010          | 1015        | 1023         | rBV      | 373205         | 461049        | 38.71%          | 4.905%        |
| 7         | 9.239       | 1192          | 1198        | 1203         | rBV      | 933648         | 1191135       | 100.00%         | 12.671%       |
| 8         | 9.569       | 1249          | 1254        | 1261         | rBV7     | 7182           | 18815         | 1.58%           | 0.200%        |
| 9         | 9.780       | 1287          | 1290        | 1293         | rBV3     | 15631          | 22982         | 1.93%           | 0.244%        |
| 10        | 9.869       | 1302          | 1305        | 1306         | rBV2     | 14551          | 16026         | 1.35%           | 0.170%        |
| 11        | 9.916       | 1308          | 1313        | 1318         | rVV      | 337329         | 454532        | 38.16%          | 4.835%        |
| 12        | 10.710      | 1443          | 1448        | 1453         | rBV      | 430202         | 626982        | 52.64%          | 6.670%        |
| 13        | 11.410      | 1564          | 1567        | 1576         | rVB      | 278439         | 374040        | 31.40%          | 3.979%        |
| 14        | 12.998      | 1833          | 1837        | 1844         | rVB      | 833861         | 1079716       | 90.65%          | 11.486%       |
| 15        | 14.057      | 2012          | 2017        | 2025         | rVB2     | 381924         | 586714        | 49.26%          | 6.241%        |
| 16        | 14.539      | 2096          | 2099        | 2111         | rVB      | 118284         | 212249        | 17.82%          | 2.258%        |
| 17        | 15.104      | 2191          | 2195        | 2203         | rBV      | 61443          | 122552        | 10.29%          | 1.304%        |
| 18        | 15.215      | 2211          | 2214        | 2225         | rVB2     | 28715          | 59762         | 5.02%           | 0.636%        |
| 19        | 15.415      | 2244          | 2248        | 2254         | rVB      | 38491          | 62432         | 5.24%           | 0.664%        |
| 20        | 15.480      | 2254          | 2259        | 2264         | rVV      | 40906          | 69156         | 5.81%           | 0.736%        |
| 21        | 15.545      | 2264          | 2270        | 2284         | rVB      | 329137         | 557654        | 46.82%          | 5.932%        |
| 22        | 16.004      | 2344          | 2348        | 2354         | rVB      | 28257          | 48360         | 4.06%           | 0.514%        |
| 23        | 17.045      | 2520          | 2525        | 2535         | rBV2     | 13353          | 31002         | 2.60%           | 0.330%        |
| 24        | 17.492      | 2597          | 2601        | 2607         | rBV      | 10392          | 20441         | 1.72%           | 0.217%        |
| 25        | 17.662      | 2624          | 2630        | 2641         | rBV10    | 20507          | 62250         | 5.23%           | 0.662%        |
| 26        | 18.697      | 2800          | 2806        | 2814         | rVB8     | 11403          | 30290         | 2.54%           | 0.322%        |

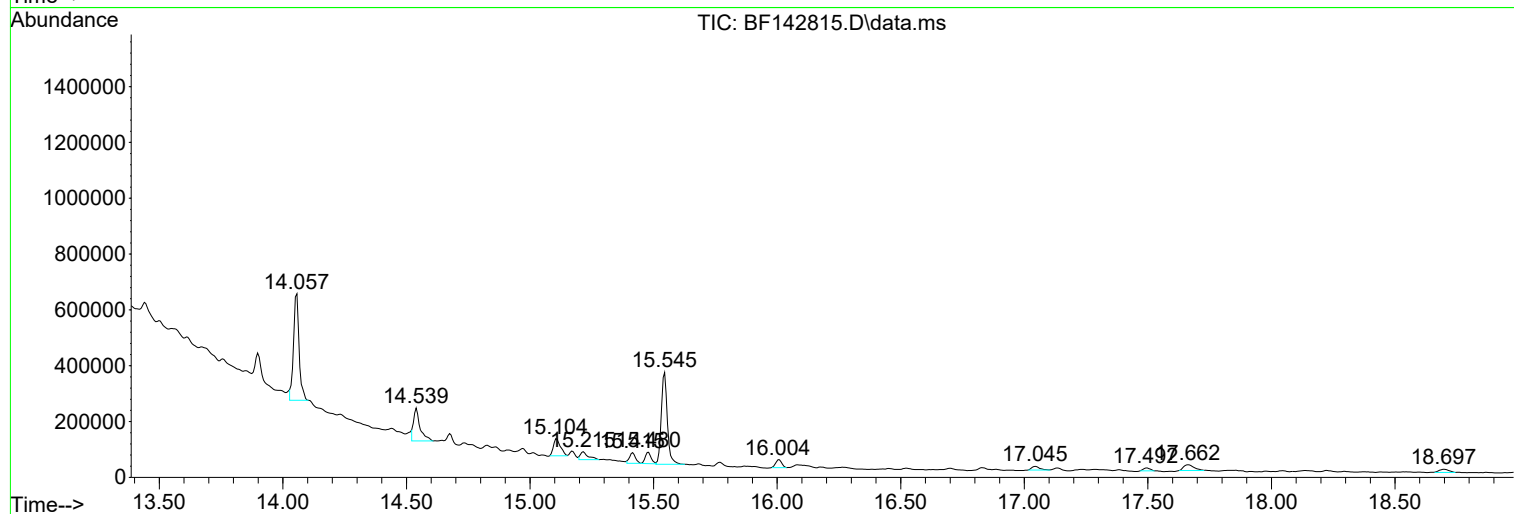
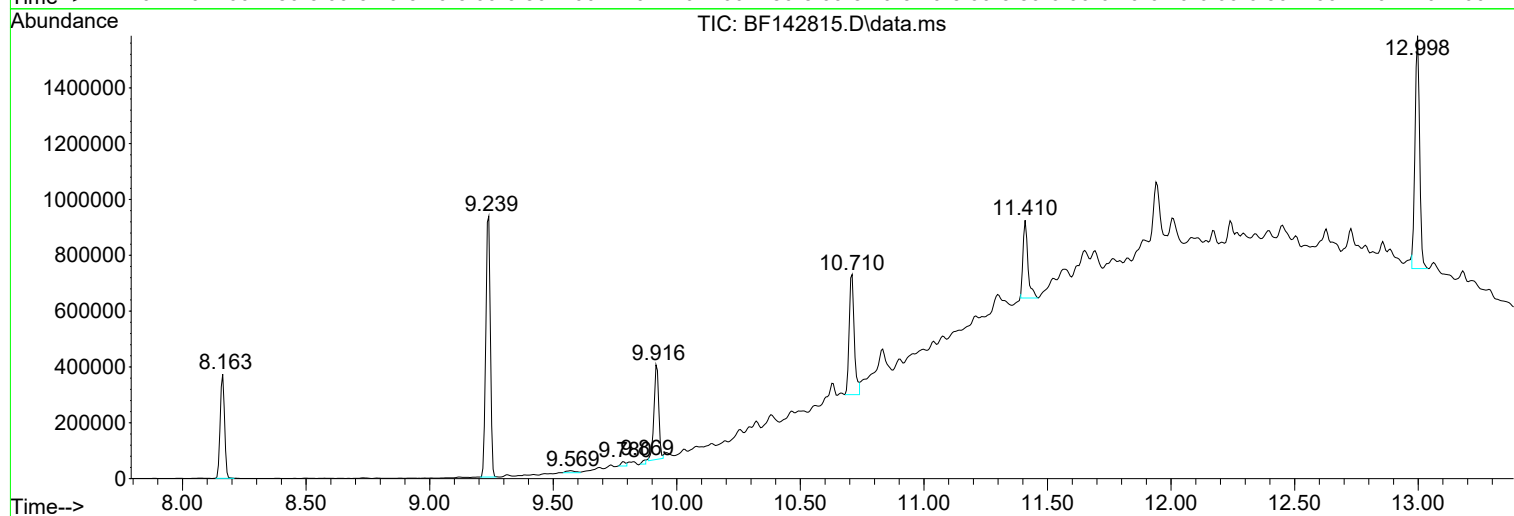
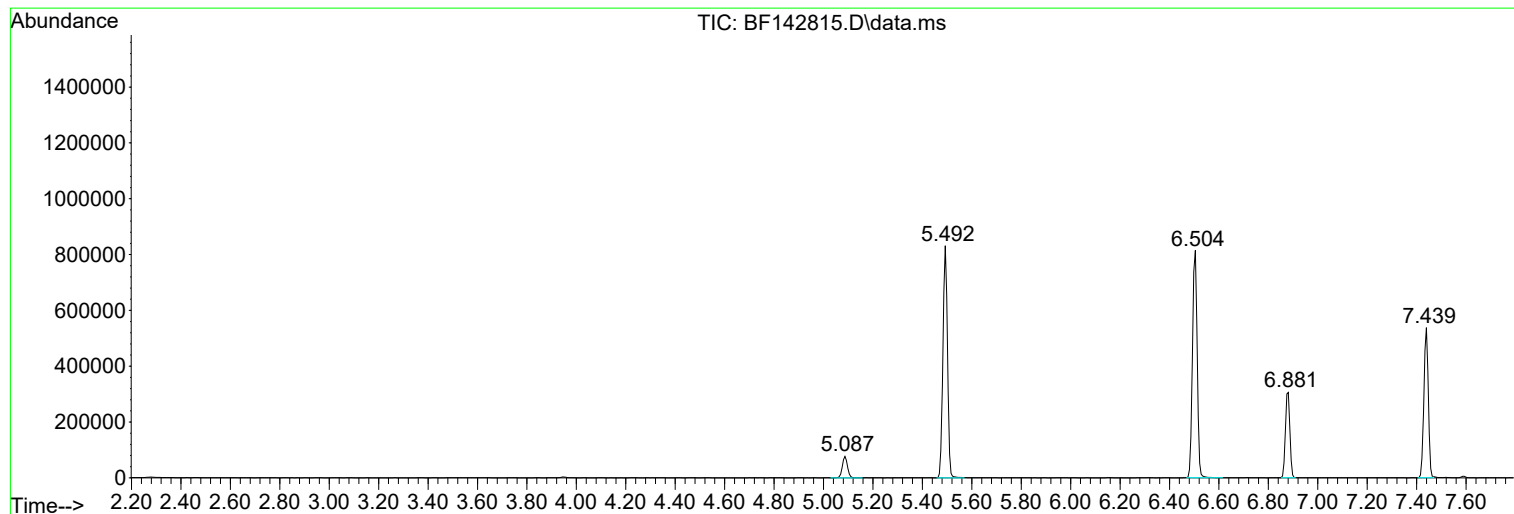
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BNA\_F  
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72-11948

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.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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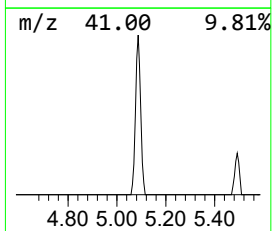
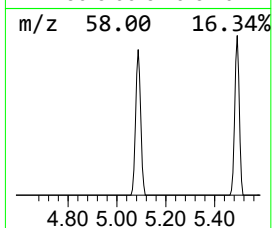
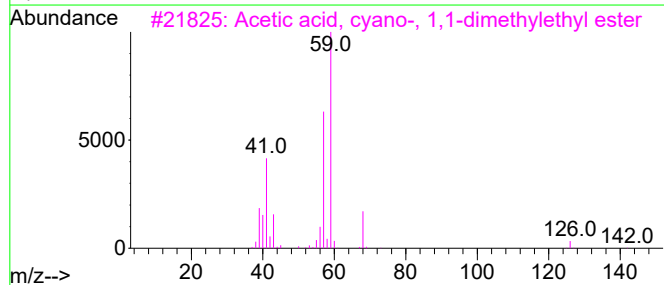
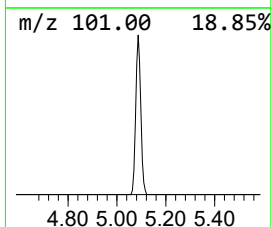
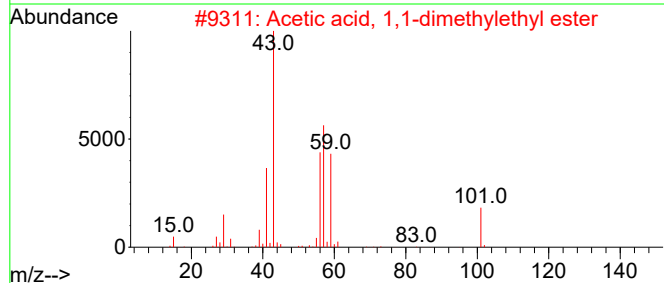
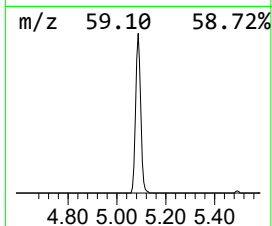
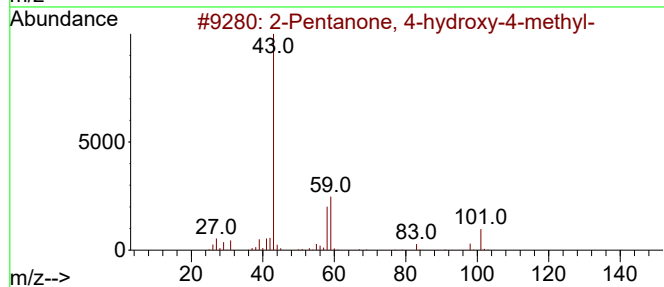
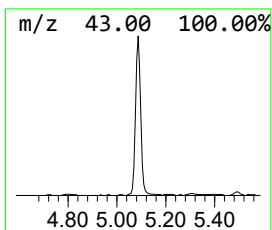
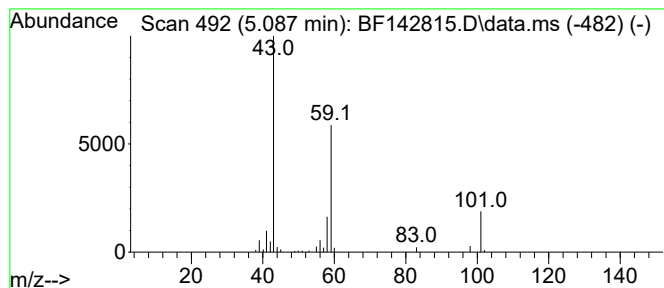
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.087 | 5.75 ng | 111606 | 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, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 38      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 23      |      |      |
| 4    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 12      |      |      |
| 5    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 10      |      |      |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
72-11948

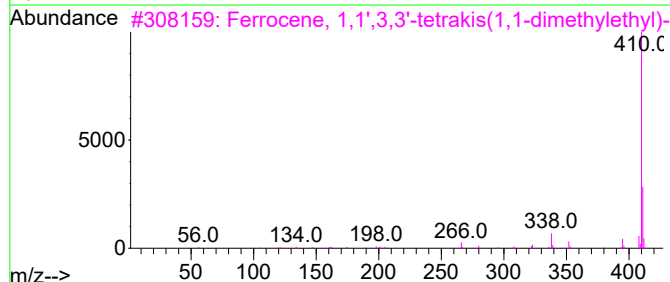
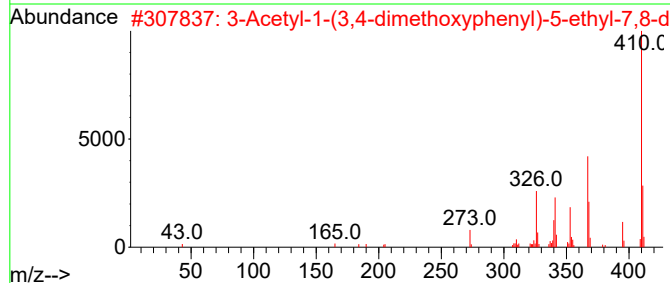
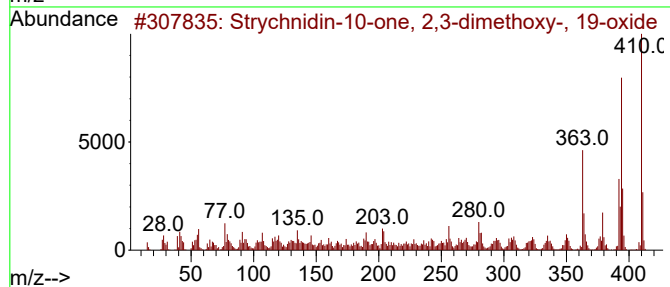
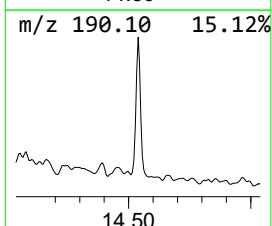
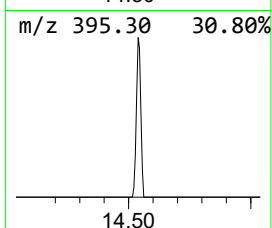
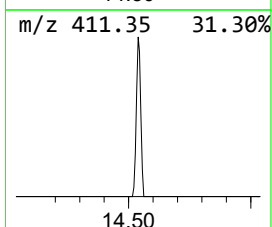
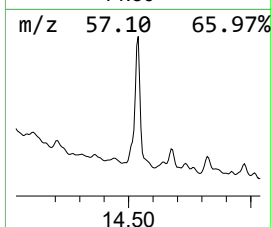
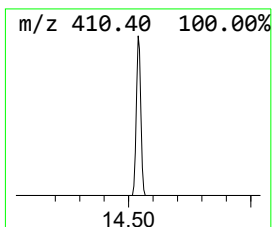
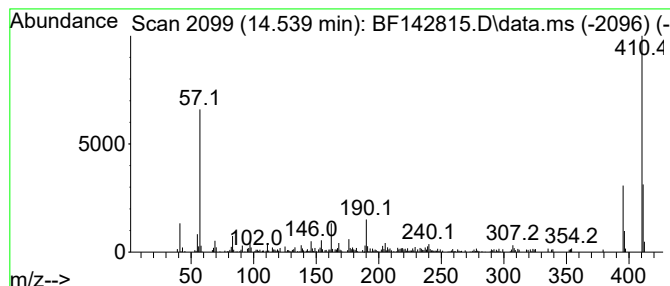
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Strychnidin-10-one, 2,3-dim... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 14.539    | 7.24 ng                             | 212249 | Chrysene-d12     | 14.057       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Strychnidin-10-one, 2,3-dimethox... | 410    | C23H26N2O5       | 017301-81-4  | 72   |
| 2         | 3-Acetyl-1-(3,4-dimethoxyphenyl)... | 410    | C23H26N2O5       | 090140-65-1  | 53   |
| 3         | Ferrocene, 1,1',3,3'-tetrakis(1,... | 410    | C26H42Fe         | 001317-17-5  | 52   |
| 4         | Uncarine E, N-acetate               | 410    | C23H26N2O5       | 013897-70-6  | 40   |
| 5         | 2'-Hydroxy-3,3',4'-trimethoxycha... | 410    | C20H17F3O6       | 1010453-84-8 | 40   |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
72-11948

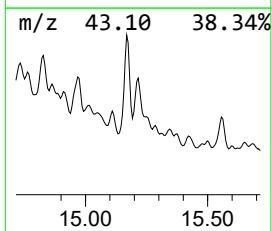
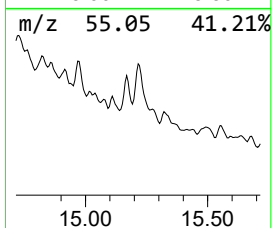
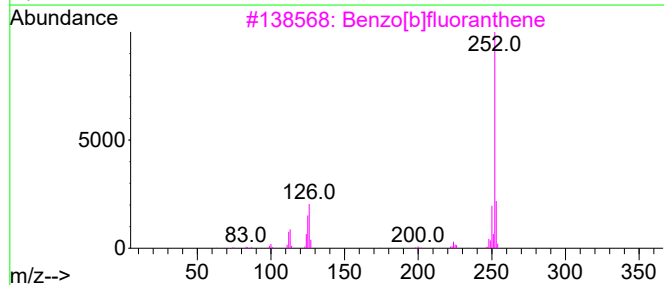
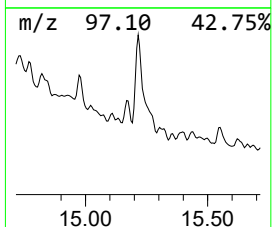
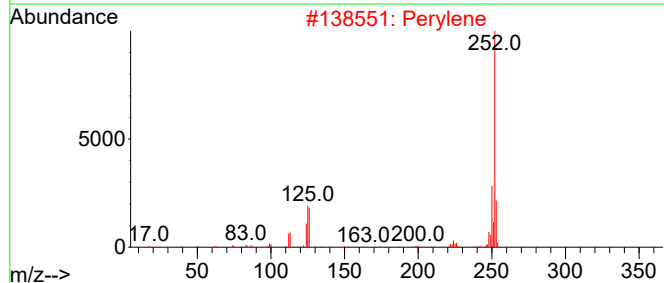
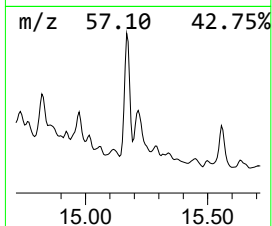
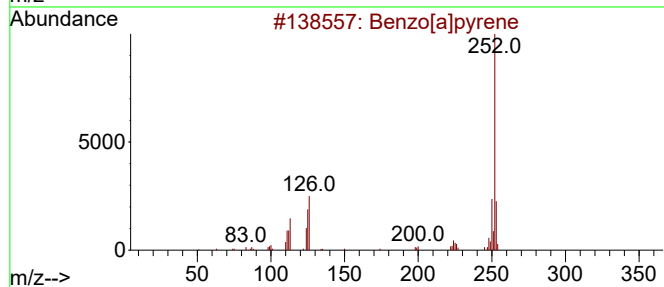
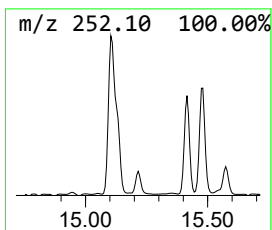
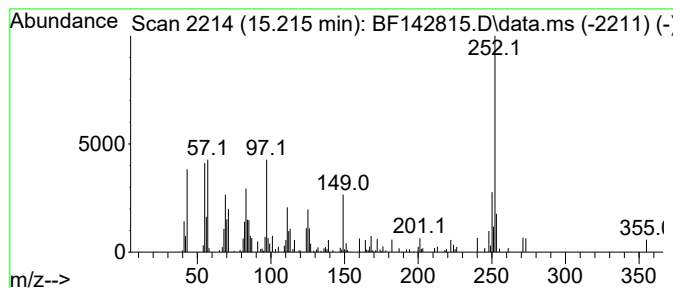
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Perylene Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.215 | 2.14 ng | 59762 | Perylene-d12     | 15.545 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 64   |
| 2    |      | Perylene             | 252 | C20H12  | 000198-55-0 | 46   |
| 3    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 46   |
| 4    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 41   |
| 5    |      | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 38   |



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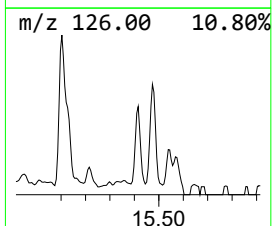
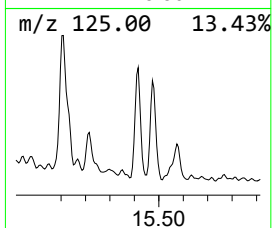
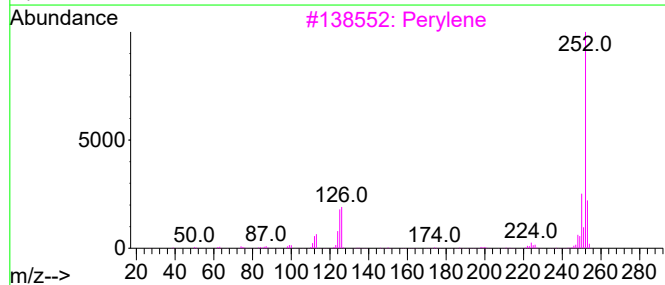
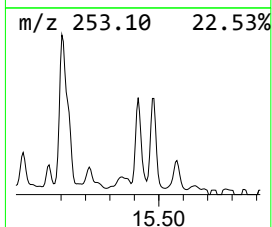
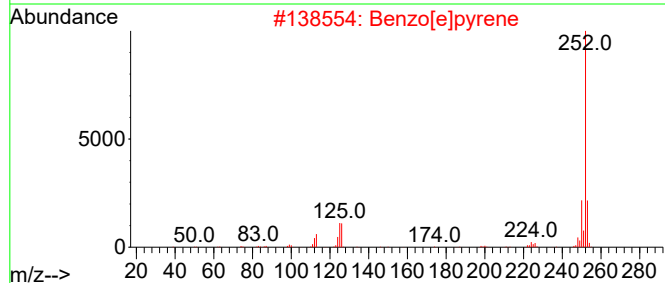
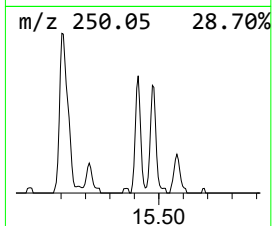
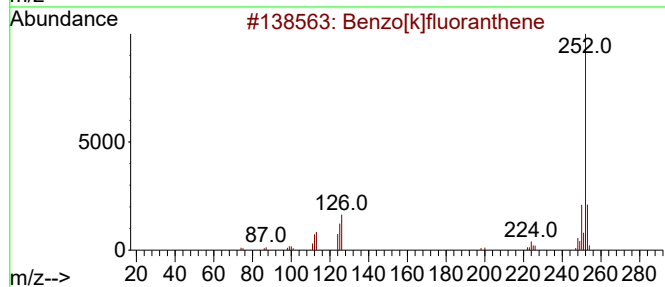
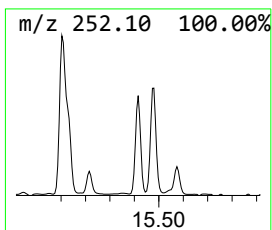
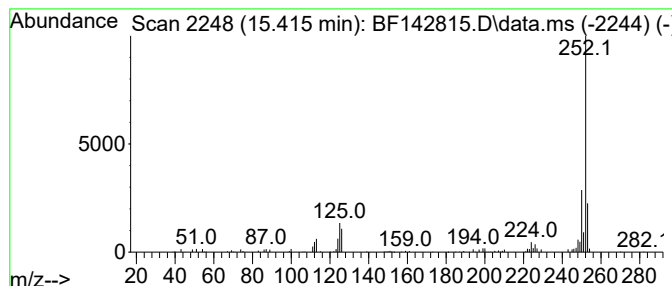
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Peak Number 4 Benzo[e]pyrene Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.415 | 2.24 ng | 62432 | Perylene-d12     | 15.545 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 96   |
| 2    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 95   |
| 3    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 91   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 89   |



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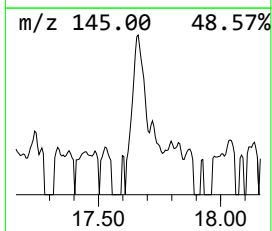
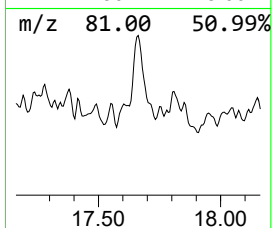
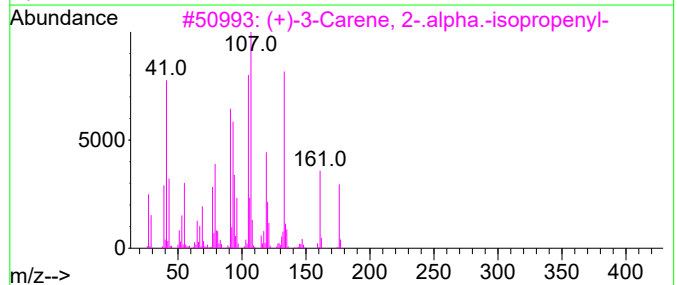
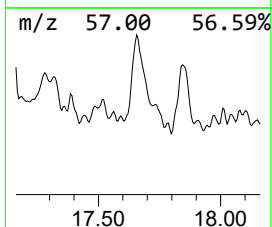
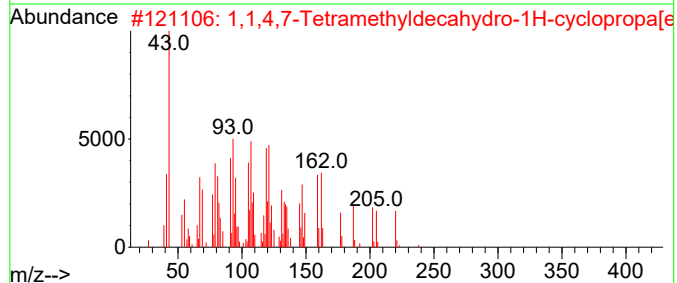
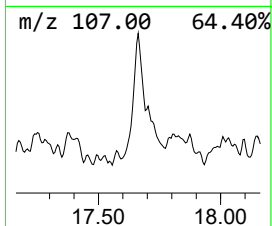
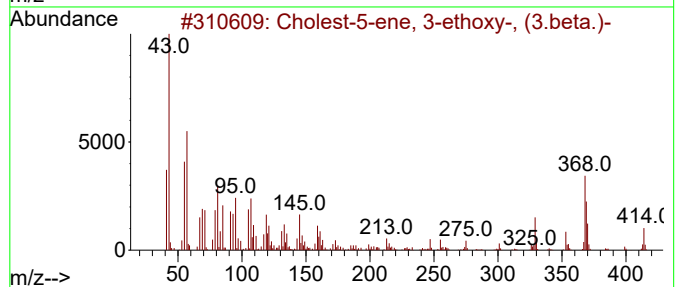
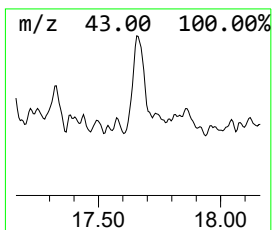
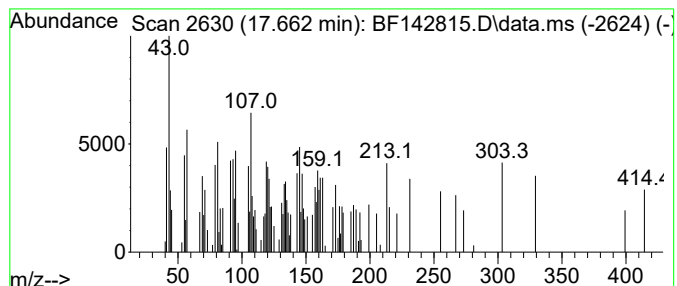
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 unknown17.662 Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 17.662 | 2.23 ng | 62250 | Perylene-d12     | 15.545 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cholest-5-ene, 3-ethoxy-, (3.bet... | 414 | C29H50O  | 000986-19-6  | 38   |
| 2    |    |   | 1,1,4,7-Tetramethyldecahydro-1H-... | 238 | C15H26O2 | 1212211-43-2 | 14   |
| 3    |    |   | (+)-3-Carene, 2-.alpha.-isoprope... | 176 | C13H20   | 1000151-27-1 | 11   |
| 4    |    |   | ((3aR,4S,6E,10Z,11aR)-4-Acetoxy-... | 362 | C19H22O7 | 1000494-34-2 | 10   |
| 5    |    |   | 5.alpha.Androst-16-ol, 17-ethyl...  | 414 | C27H42O3 | 1000124-58-6 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062425\  
Data File : BF142815.D  
Acq On : 24 Jun 2025 12:22  
Operator : RC/JU  
Sample : Q2380-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
72-11948

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.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 |
| 2-Pentanone, 4-... | 5.087  | 5.8     | ng    | 111606   | 1                     | 6.881  | 388333 | 20.0 |
| Strychnidin-10-... | 14.539 | 7.2     | ng    | 212249   | 5                     | 14.057 | 586714 | 20.0 |
| Perylene           | 15.215 | 2.1     | ng    | 59762    | 6                     | 15.545 | 557654 | 20.0 |
| Benzo[e]pyrene     | 15.415 | 2.2     | ng    | 62432    | 6                     | 15.545 | 557654 | 20.0 |
| unknown17.662      | 17.662 | 2.2     | ng    | 62250    | 6                     | 15.545 | 557654 | 20.0 |