

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
 Data File : BM050076.D  
 Acq On : 01 May 2025 22:36  
 Operator : RC/JU  
 Sample : Q1905-01 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MH-G

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\_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050076.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         | 4.875       | 316           | 321         | 327          | rBV      | 44803          | 69287         | 1.28%           | 0.158%        |
| 2         | 5.345       | 395           | 401         | 419          | rBV      | 437941         | 752049        | 13.85%          | 1.719%        |
| 3         | 6.939       | 664           | 672         | 687          | rBV      | 347399         | 762843        | 14.05%          | 1.743%        |
| 4         | 7.751       | 801           | 810         | 825          | rBV      | 840030         | 1445690       | 26.63%          | 3.304%        |
| 5         | 8.916       | 1001          | 1008        | 1024         | rBV      | 204660         | 467150        | 8.60%           | 1.068%        |
| 6         | 10.539      | 1273          | 1284        | 1291         | rBV      | 1010759        | 1889285       | 34.80%          | 4.317%        |
| 7         | 10.592      | 1291          | 1293        | 1304         | rVB      | 98397          | 157191        | 2.90%           | 0.359%        |
| 8         | 12.216      | 1564          | 1569        | 1576         | rBV      | 38122          | 77250         | 1.42%           | 0.177%        |
| 9         | 12.433      | 1601          | 1606        | 1616         | rVB      | 36549          | 68056         | 1.25%           | 0.156%        |
| 10        | 13.016      | 1698          | 1705        | 1719         | rBV      | 779602         | 1297351       | 23.90%          | 2.965%        |
| 11        | 13.568      | 1792          | 1799        | 1807         | rBV6     | 19638          | 56111         | 1.03%           | 0.128%        |
| 12        | 13.721      | 1819          | 1825        | 1830         | rBV      | 36663          | 69417         | 1.28%           | 0.159%        |
| 13        | 13.857      | 1842          | 1848        | 1858         | rBV      | 26436          | 57998         | 1.07%           | 0.133%        |
| 14        | 14.115      | 1886          | 1892        | 1905         | rBV      | 259430         | 465680        | 8.58%           | 1.064%        |
| 15        | 14.392      | 1932          | 1939        | 1946         | rBV      | 1785296        | 2733957       | 50.36%          | 6.248%        |
| 16        | 14.457      | 1946          | 1950        | 1960         | rVB      | 88504          | 157866        | 2.91%           | 0.361%        |
| 17        | 14.804      | 2001          | 2009        | 2016         | rBV      | 72050          | 128029        | 2.36%           | 0.293%        |
| 18        | 15.445      | 2113          | 2118        | 2131         | rVB      | 144803         | 275910        | 5.08%           | 0.631%        |
| 19        | 15.757      | 2164          | 2171        | 2185         | rVB2     | 184822         | 342220        | 6.30%           | 0.782%        |
| 20        | 15.892      | 2185          | 2194        | 2206         | rBV      | 686244         | 1140845       | 21.01%          | 2.607%        |
| 21        | 16.133      | 2226          | 2235        | 2240         | rBV8     | 27661          | 72177         | 1.33%           | 0.165%        |
| 22        | 16.451      | 2282          | 2289        | 2294         | rBV4     | 37343          | 82636         | 1.52%           | 0.189%        |
| 23        | 16.962      | 2372          | 2376        | 2386         | rVB      | 67032          | 112906        | 2.08%           | 0.258%        |
| 24        | 17.139      | 2399          | 2406        | 2410         | rBV2     | 2273959        | 3224478       | 59.39%          | 7.369%        |
| 25        | 17.186      | 2410          | 2414        | 2421         | rVV      | 954038         | 1378168       | 25.38%          | 3.149%        |
| 26        | 17.280      | 2424          | 2430        | 2436         | rVB      | 322470         | 495036        | 9.12%           | 1.131%        |
| 27        | 17.556      | 2472          | 2477        | 2485         | rBV      | 66196          | 142711        | 2.63%           | 0.326%        |
| 28        | 18.021      | 2551          | 2556        | 2560         | rBV      | 116164         | 224278        | 4.13%           | 0.513%        |
| 29        | 18.068      | 2560          | 2564        | 2569         | rVB      | 160711         | 233461        | 4.30%           | 0.534%        |
| 30        | 18.151      | 2574          | 2578        | 2583         | rVB      | 79326          | 112897        | 2.08%           | 0.258%        |
| 31        | 18.215      | 2583          | 2589        | 2593         | rBV2     | 246844         | 418718        | 7.71%           | 0.957%        |
| 32        | 18.521      | 2637          | 2641        | 2645         | rVB      | 73913          | 95828         | 1.77%           | 0.219%        |
| 33        | 18.574      | 2646          | 2650        | 2657         | rVB4     | 37622          | 66798         | 1.23%           | 0.153%        |
| 34        | 18.933      | 2707          | 2711        | 2716         | rBV      | 91312          | 151170        | 2.78%           | 0.345%        |
| 35        | 19.086      | 2732          | 2737        | 2744         | rBV3     | 90003          | 180741        | 3.33%           | 0.413%        |
| 36        | 19.203      | 2751          | 2757        | 2764         | rBV      | 1724566        | 2253761       | 41.51%          | 5.150%        |

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Sample : Q1905-01 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

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\_M\Methods\8270-BM042825.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 19.356 | 2779 | 2783 | 2788 | rVB  | 125258  | 158441  | 2.92%   | 0.362%  |
| 38 | 19.445 | 2795 | 2798 | 2801 | rBV  | 52158   | 75581   | 1.39%   | 0.173%  |
| 39 | 19.562 | 2814 | 2818 | 2827 | rVB  | 1506032 | 2112443 | 38.91%  | 4.827%  |
| 40 | 19.639 | 2829 | 2831 | 2838 | rVB2 | 68074   | 97270   | 1.79%   | 0.222%  |
| 41 | 19.768 | 2847 | 2853 | 2857 | rBV  | 1515865 | 1856623 | 34.20%  | 4.243%  |
| 42 | 19.897 | 2870 | 2875 | 2881 | rVB4 | 107394  | 236576  | 4.36%   | 0.541%  |
| 43 | 20.062 | 2894 | 2903 | 2908 | rVB  | 258876  | 536509  | 9.88%   | 1.226%  |
| 44 | 20.162 | 2916 | 2920 | 2924 | rBV  | 188916  | 263140  | 4.85%   | 0.601%  |
| 45 | 20.221 | 2927 | 2930 | 2934 | rVB2 | 167249  | 219935  | 4.05%   | 0.503%  |
| 46 | 20.362 | 2951 | 2954 | 2958 | rBV  | 105535  | 120176  | 2.21%   | 0.275%  |
| 47 | 20.409 | 2959 | 2962 | 2965 | rVB  | 118421  | 134404  | 2.48%   | 0.307%  |
| 48 | 21.068 | 3071 | 3074 | 3079 | rBV2 | 147811  | 224307  | 4.13%   | 0.513%  |
| 49 | 21.380 | 3120 | 3127 | 3132 | rBV2 | 3014356 | 5429121 | 100.00% | 12.407% |
| 50 | 21.427 | 3132 | 3135 | 3147 | rVB  | 776332  | 1179843 | 21.73%  | 2.696%  |
| 51 | 21.521 | 3148 | 3151 | 3155 | rBV2 | 164679  | 209173  | 3.85%   | 0.478%  |
| 52 | 23.433 | 3469 | 3476 | 3483 | rBV  | 945234  | 2661996 | 49.03%  | 6.083%  |
| 53 | 24.097 | 3584 | 3589 | 3601 | rVB  | 497056  | 1176757 | 21.67%  | 2.689%  |
| 54 | 24.232 | 3605 | 3612 | 3625 | rVB  | 850671  | 2023511 | 37.27%  | 4.624%  |
| 55 | 24.374 | 3628 | 3636 | 3643 | rBV  | 1425050 | 3383516 | 62.32%  | 7.732%  |

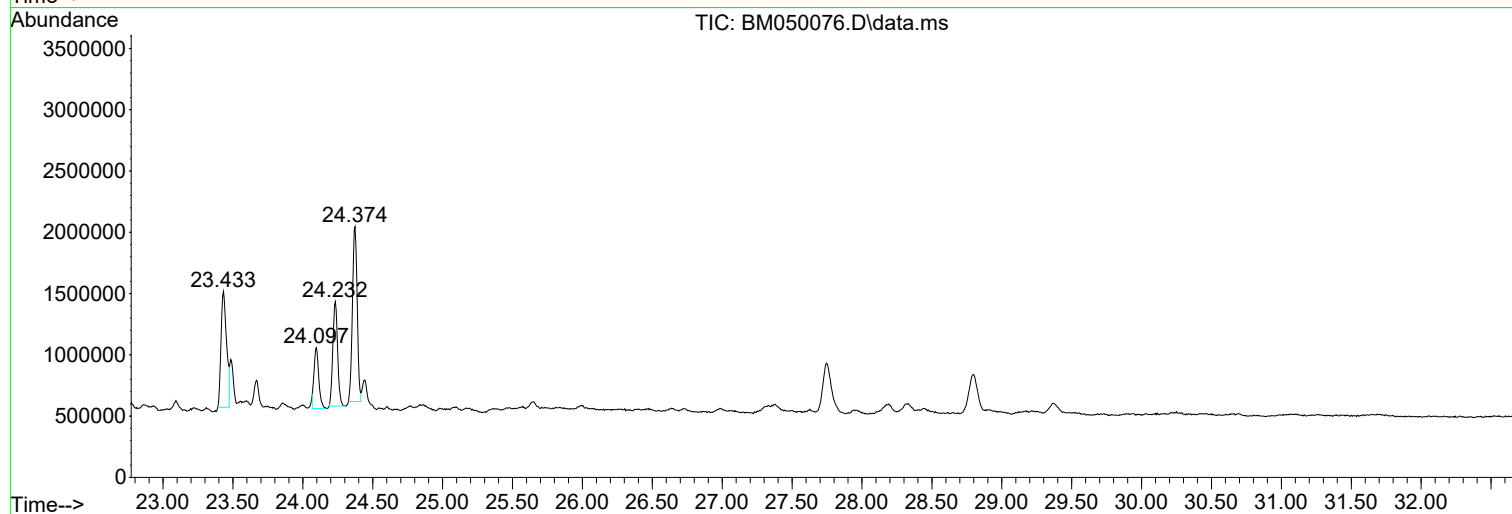
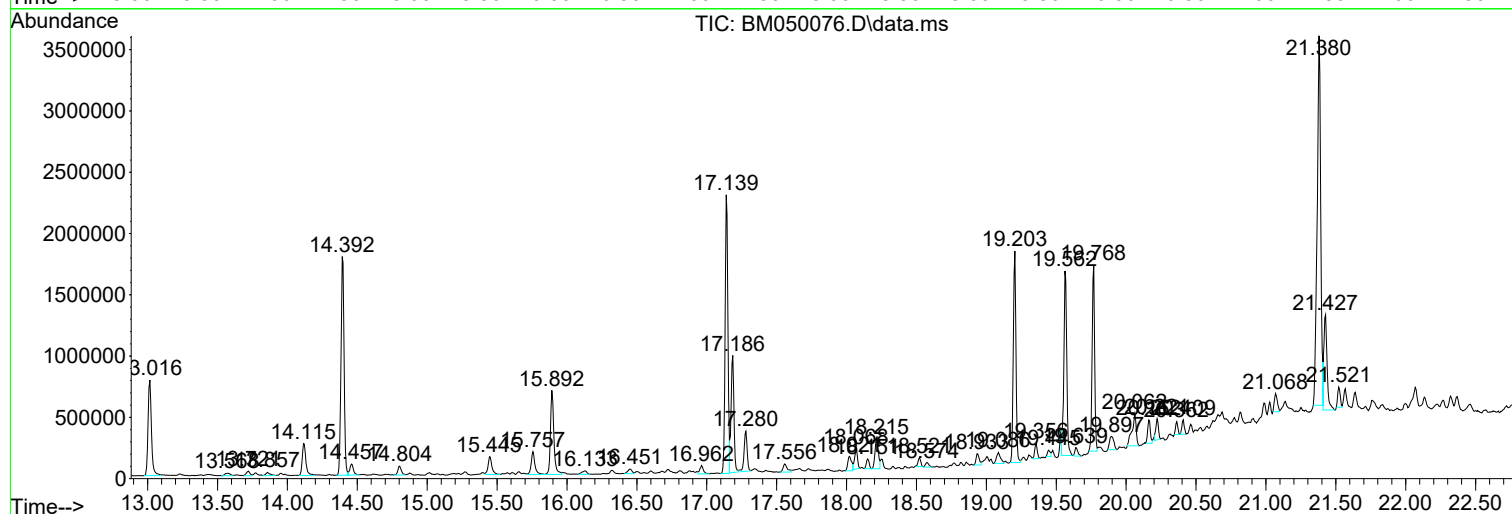
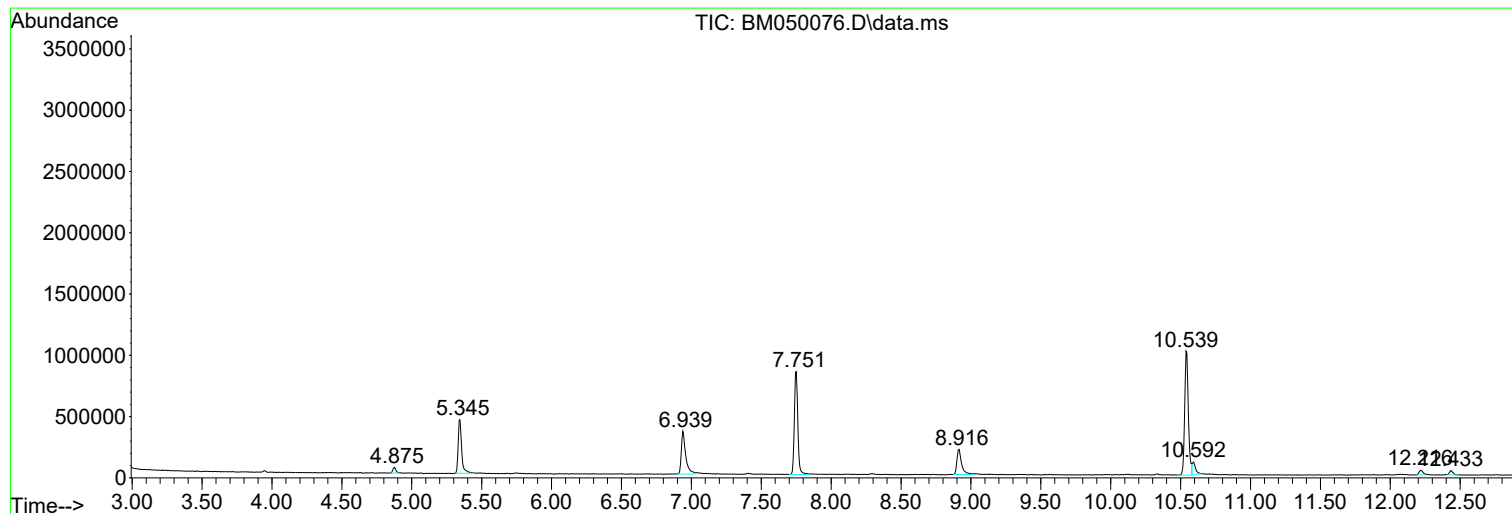
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Sample : Q1905-01 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.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\_M\Data\BM050125\  
Data File : BM050076.D  
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Sample : Q1905-01 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

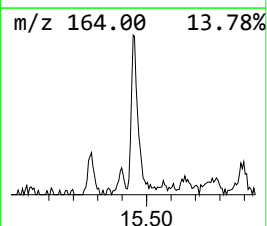
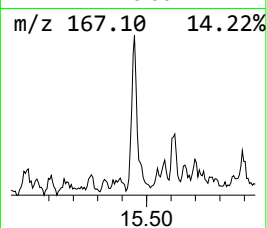
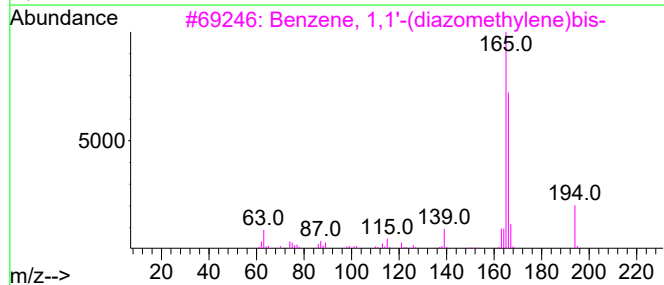
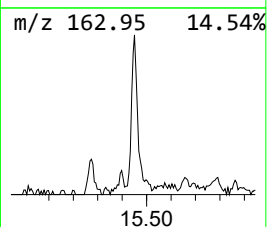
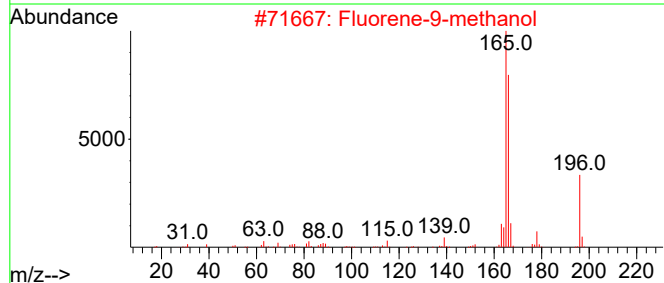
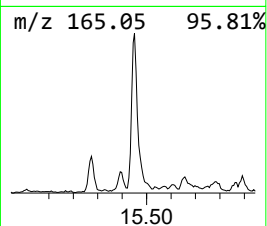
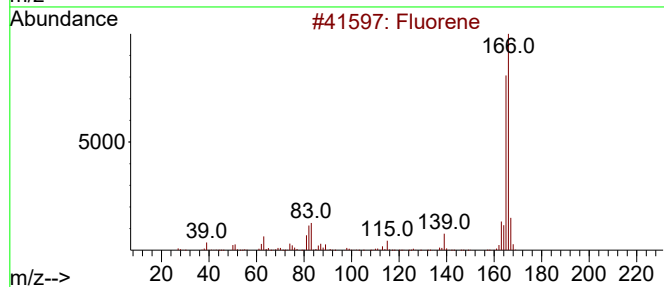
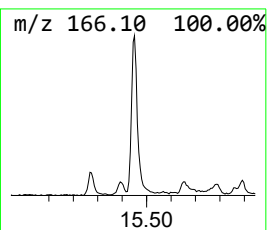
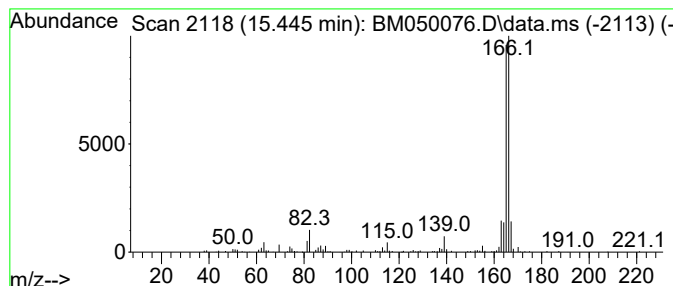
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Fluorene-9-methanol Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.445 | 2.02 ng | 275910 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Fluorene                           | 166 | C13H10   | 000086-73-7 | 95   |
| 2    |    |   | Fluorene-9-methanol                | 196 | C14H12O  | 024324-17-2 | 64   |
| 3    |    |   | Benzene, 1,1'-(diazomethylene)bis- | 194 | C13H10N2 | 000883-40-9 | 64   |
| 4    |    |   | Benzene, 5-heptene-1,3-diyn-1-yl-  | 166 | C13H10   | 013678-98-3 | 56   |
| 5    |    |   | Ethionamide                        | 166 | C8H10N2S | 000536-33-4 | 50   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

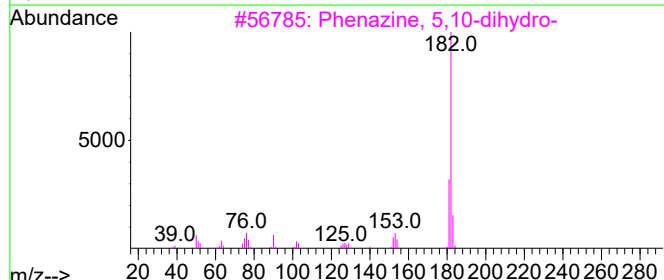
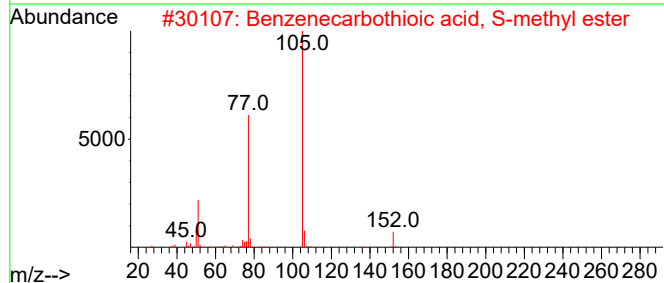
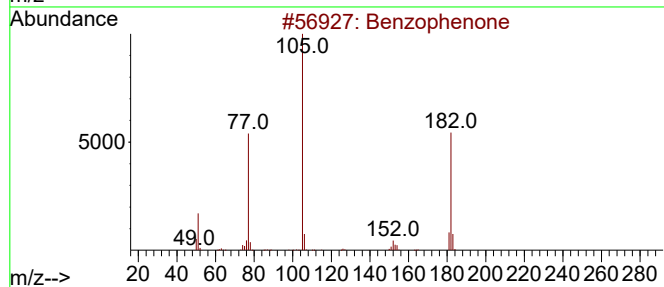
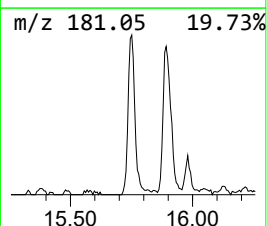
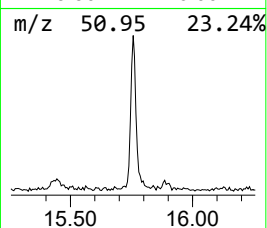
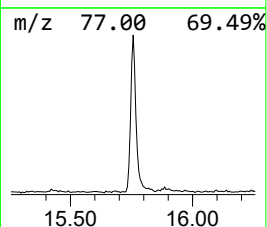
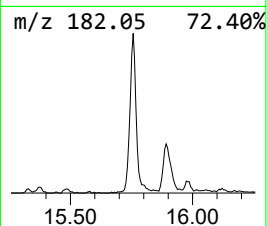
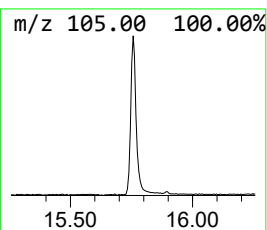
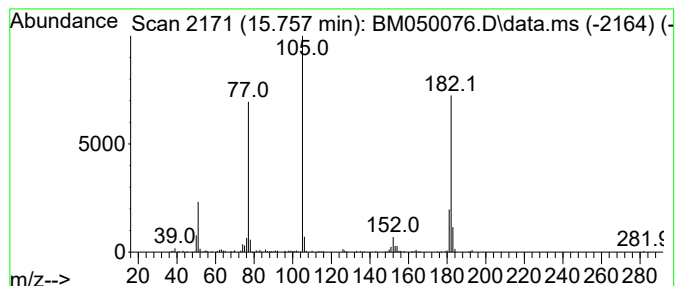
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.757 | 2.50 ng | 342220 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O   | 000119-61-9 | 95   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS    | 005925-68-8 | 46   |
| 3    |    |   | Phenazine, 5,10-dihydro-            | 182 | C12H10N2  | 000613-32-1 | 43   |
| 4    |    |   | Benzilic acid                       | 228 | C14H12O3  | 000076-93-7 | 43   |
| 5    |    |   | Glyoxylohydroximoyl chloride, 2-... | 183 | C8H6ClNO2 | 004937-87-5 | 43   |



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Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

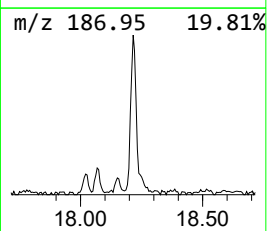
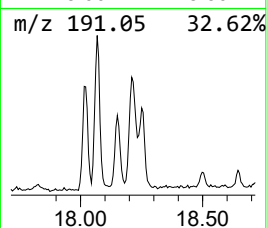
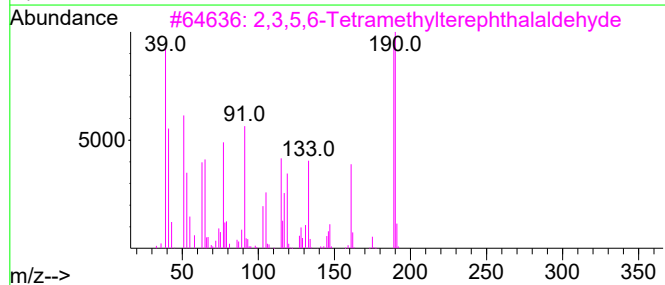
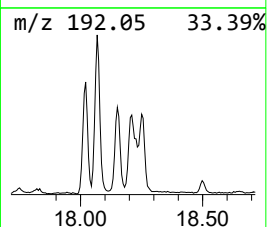
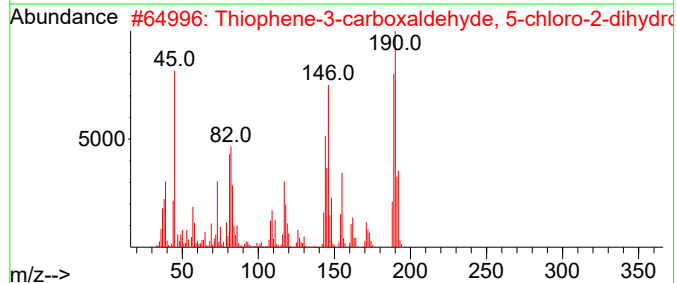
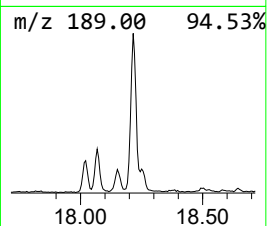
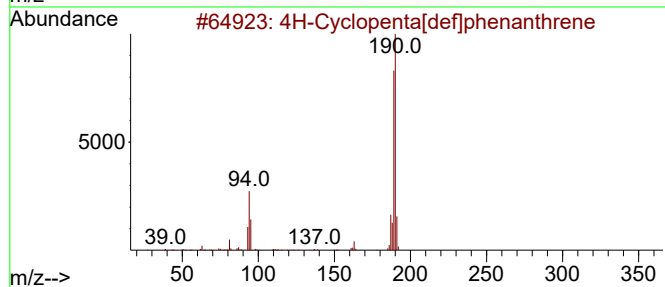
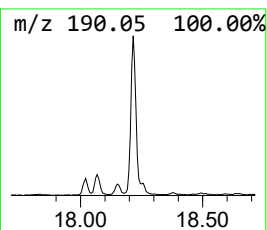
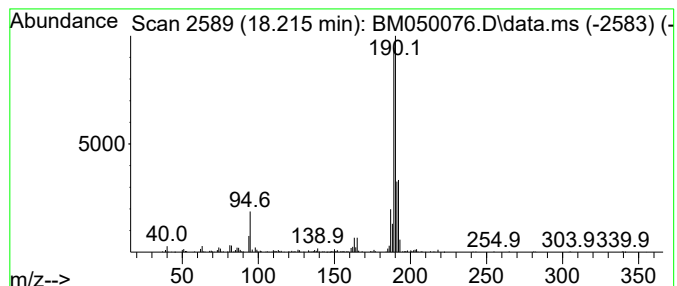
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.215 | 2.60 ng | 418718 | Phenanthrene-d10 | 17.139 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 93   |
| 2    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 53   |
| 3    |    |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2   | 007072-01-7 | 50   |
| 4    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10     | 083469-43-6 | 50   |
| 5    |    |   | Methyl diselenide                   | 190 | C2H6Se2    | 007101-31-7 | 49   |



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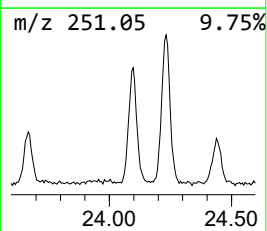
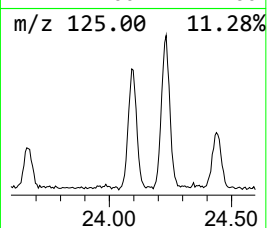
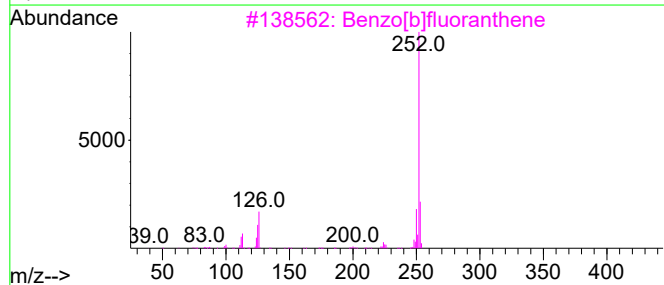
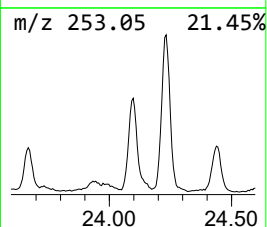
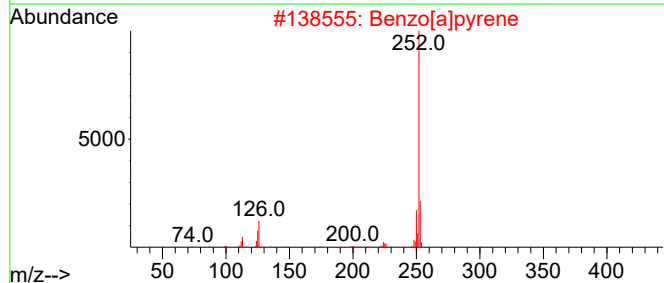
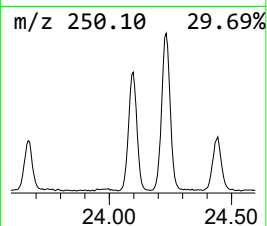
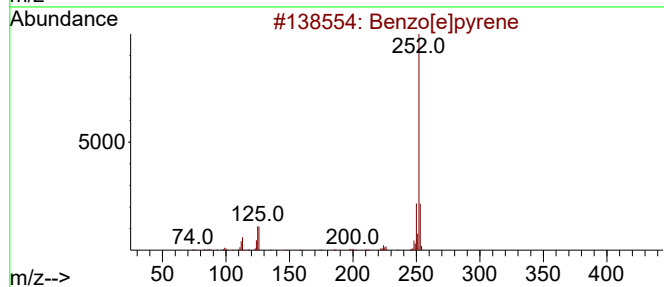
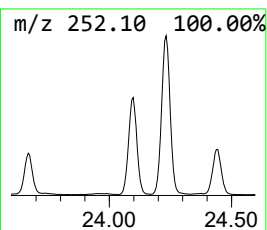
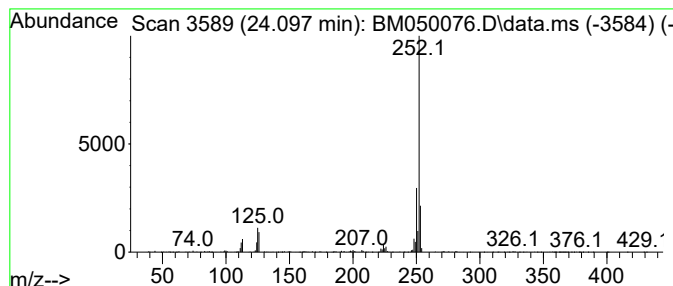
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 24.097 | 6.96 ng | 1176760 | Perylene-d12     | 24.374 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 91   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
Data File : BM050076.D  
Acq On : 01 May 2025 22:36  
Operator : RC/JU  
Sample : Q1905-01 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MH-G

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.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 |
| Fluorene-9-meth... | 15.445 | 2.0     | ng    | 275910   | 3                     | 14.392 | 2733960 | 20.0 |
| Benzophenone       | 15.757 | 2.5     | ng    | 342220   | 3                     | 14.392 | 2733960 | 20.0 |
| 4H-Cyclopenta[d... | 18.215 | 2.6     | ng    | 418718   | 4                     | 17.139 | 3224480 | 20.0 |
| Benzo[e]pyrene     | 24.097 | 7.0     | ng    | 1176760  | 6                     | 24.374 | 3383520 | 20.0 |