

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
 Data File : BM050072.D  
 Acq On : 01 May 2025 20:00  
 Operator : RC/JU  
 Sample : Q1914-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SS-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\_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050072.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         | 4.869       | 315           | 320         | 329          | rBV      | 228295         | 332896        | 3.87%           | 0.473%        |
| 2         | 5.340       | 393           | 400         | 417          | rBV      | 2350026        | 3564801       | 41.45%          | 5.069%        |
| 3         | 6.934       | 659           | 671         | 696          | rBV      | 2185317        | 3877820       | 45.09%          | 5.515%        |
| 4         | 7.745       | 802           | 809         | 820          | rBV      | 906682         | 1450454       | 16.87%          | 2.063%        |
| 5         | 8.904       | 999           | 1006        | 1022         | rBV      | 1254409        | 2316178       | 26.93%          | 3.294%        |
| 6         | 10.539      | 1273          | 1284        | 1292         | rBV      | 1068065        | 1927489       | 22.41%          | 2.741%        |
| 7         | 13.010      | 1697          | 1704        | 1722         | rBV      | 3910543        | 5939429       | 69.07%          | 8.446%        |
| 8         | 14.121      | 1888          | 1893        | 1902         | rBV      | 67081          | 116705        | 1.36%           | 0.166%        |
| 9         | 14.392      | 1932          | 1939        | 1947         | rBV      | 1823490        | 2775461       | 32.28%          | 3.947%        |
| 10        | 15.451      | 2112          | 2119        | 2131         | rVB2     | 44708          | 112009        | 1.30%           | 0.159%        |
| 11        | 15.757      | 2164          | 2171        | 2177         | rBV      | 401654         | 573217        | 6.67%           | 0.815%        |
| 12        | 15.892      | 2186          | 2194        | 2207         | rBV      | 3301720        | 5102529       | 59.34%          | 7.256%        |
| 13        | 16.962      | 2372          | 2376        | 2380         | rVB2     | 58546          | 88928         | 1.03%           | 0.126%        |
| 14        | 17.139      | 2400          | 2406        | 2410         | rBV2     | 2345435        | 3277132       | 38.11%          | 4.660%        |
| 15        | 17.186      | 2410          | 2414        | 2419         | rVB      | 943728         | 1341618       | 15.60%          | 1.908%        |
| 16        | 17.280      | 2425          | 2430        | 2435         | rVB      | 178141         | 268267        | 3.12%           | 0.381%        |
| 17        | 17.556      | 2470          | 2477        | 2488         | rBV2     | 82982          | 195114        | 2.27%           | 0.277%        |
| 18        | 18.039      | 2551          | 2559        | 2562         | rBV2     | 417219         | 771898        | 8.98%           | 1.098%        |
| 19        | 18.151      | 2574          | 2578        | 2583         | rVB2     | 65254          | 93042         | 1.08%           | 0.132%        |
| 20        | 18.215      | 2583          | 2589        | 2592         | rBV2     | 184163         | 321981        | 3.74%           | 0.458%        |
| 21        | 18.333      | 2605          | 2609        | 2613         | rBV5     | 60201          | 92959         | 1.08%           | 0.132%        |
| 22        | 18.521      | 2637          | 2641        | 2645         | rVB      | 96466          | 125235        | 1.46%           | 0.178%        |
| 23        | 18.568      | 2645          | 2649        | 2656         | rBV2     | 106013         | 164259        | 1.91%           | 0.234%        |
| 24        | 18.939      | 2708          | 2712        | 2715         | rBV      | 87321          | 128340        | 1.49%           | 0.183%        |
| 25        | 19.086      | 2732          | 2737        | 2743         | rBV2     | 96354          | 164726        | 1.92%           | 0.234%        |
| 26        | 19.203      | 2751          | 2757        | 2763         | rBV      | 2633043        | 3417294       | 39.74%          | 4.860%        |
| 27        | 19.256      | 2763          | 2766        | 2771         | rVB4     | 71105          | 98444         | 1.14%           | 0.140%        |
| 28        | 19.321      | 2772          | 2777        | 2780         | rBV3     | 97840          | 167470        | 1.95%           | 0.238%        |
| 29        | 19.562      | 2809          | 2818        | 2827         | rBV      | 2087204        | 3431410       | 39.90%          | 4.880%        |
| 30        | 19.639      | 2828          | 2831        | 2837         | rVB2     | 101398         | 146803        | 1.71%           | 0.209%        |
| 31        | 19.768      | 2847          | 2853        | 2858         | rBV      | 7538558        | 8599286       | 100.00%         | 12.229%       |
| 32        | 19.892      | 2869          | 2874        | 2881         | rBV2     | 132102         | 354784        | 4.13%           | 0.505%        |
| 33        | 20.027      | 2893          | 2897        | 2899         | rBV3     | 115456         | 184706        | 2.15%           | 0.263%        |
| 34        | 20.062      | 2900          | 2903        | 2910         | rVB2     | 288730         | 403504        | 4.69%           | 0.574%        |
| 35        | 20.162      | 2917          | 2920        | 2924         | rBV2     | 153430         | 179380        | 2.09%           | 0.255%        |
| 36        | 20.815      | 3028          | 3031        | 3037         | rVB      | 211489         | 277877        | 3.23%           | 0.395%        |

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Sample : Q1914-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 20.986 | 3057 | 3060 | 3063 | rBV3 | 155310  | 195690  | 2.28%  | 0.278% |
| 38 | 21.027 | 3064 | 3067 | 3070 | rVV  | 186003  | 244424  | 2.84%  | 0.348% |
| 39 | 21.062 | 3070 | 3073 | 3080 | rVB3 | 326155  | 591795  | 6.88%  | 0.842% |
| 40 | 21.380 | 3120 | 3127 | 3132 | rBV2 | 3032333 | 5911405 | 68.74% | 8.406% |
| 41 | 21.427 | 3132 | 3135 | 3147 | rVB  | 1126045 | 1648051 | 19.16% | 2.344% |
| 42 | 21.521 | 3149 | 3151 | 3155 | rVB  | 188239  | 209543  | 2.44%  | 0.298% |
| 43 | 23.433 | 3469 | 3476 | 3482 | rBV  | 873347  | 2433188 | 28.30% | 3.460% |
| 44 | 24.091 | 3583 | 3588 | 3603 | rVB  | 520522  | 1299573 | 15.11% | 1.848% |
| 45 | 24.227 | 3605 | 3611 | 3624 | rVB  | 779873  | 1872545 | 21.78% | 2.663% |
| 46 | 24.374 | 3628 | 3636 | 3643 | rBV  | 1449948 | 3530717 | 41.06% | 5.021% |

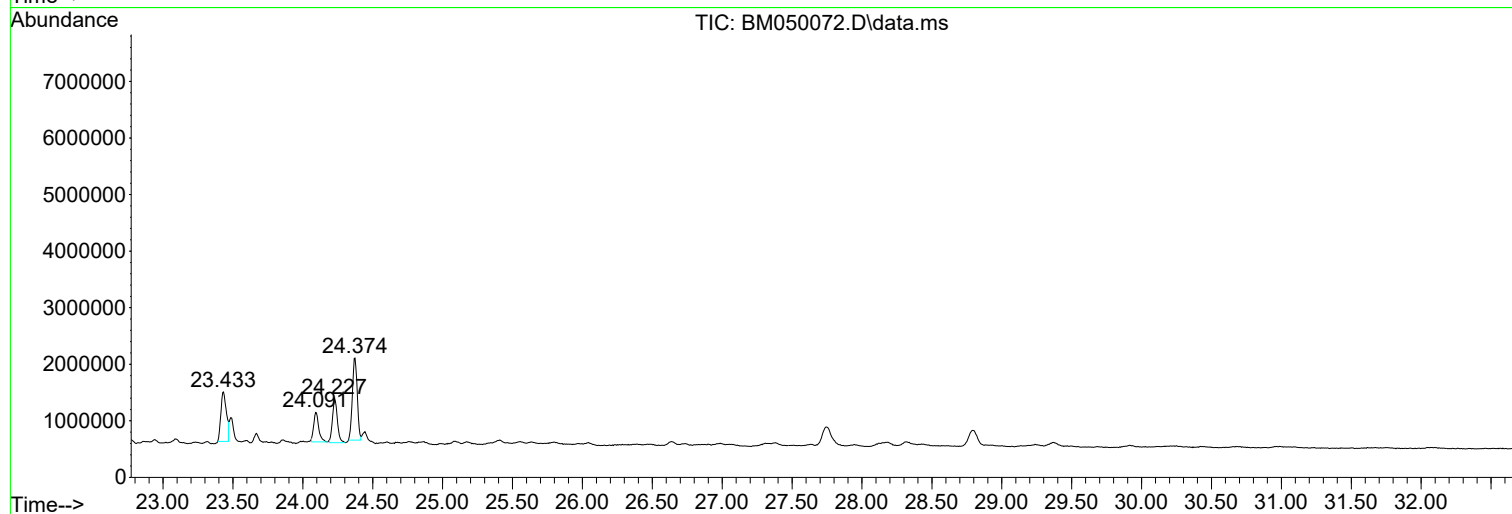
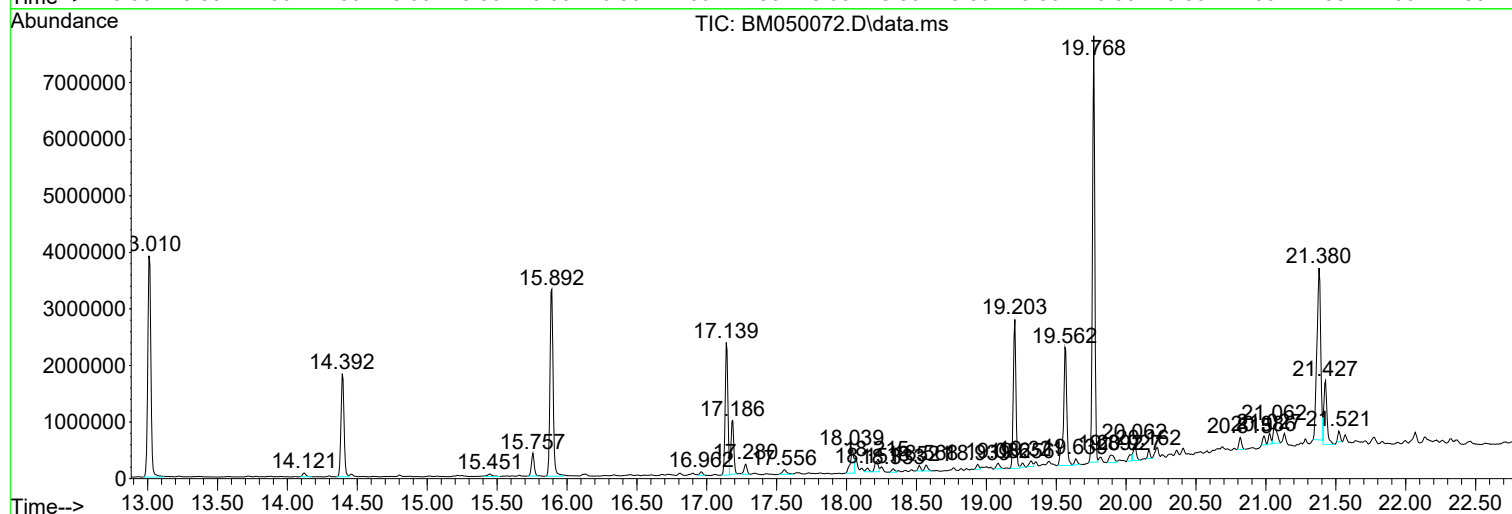
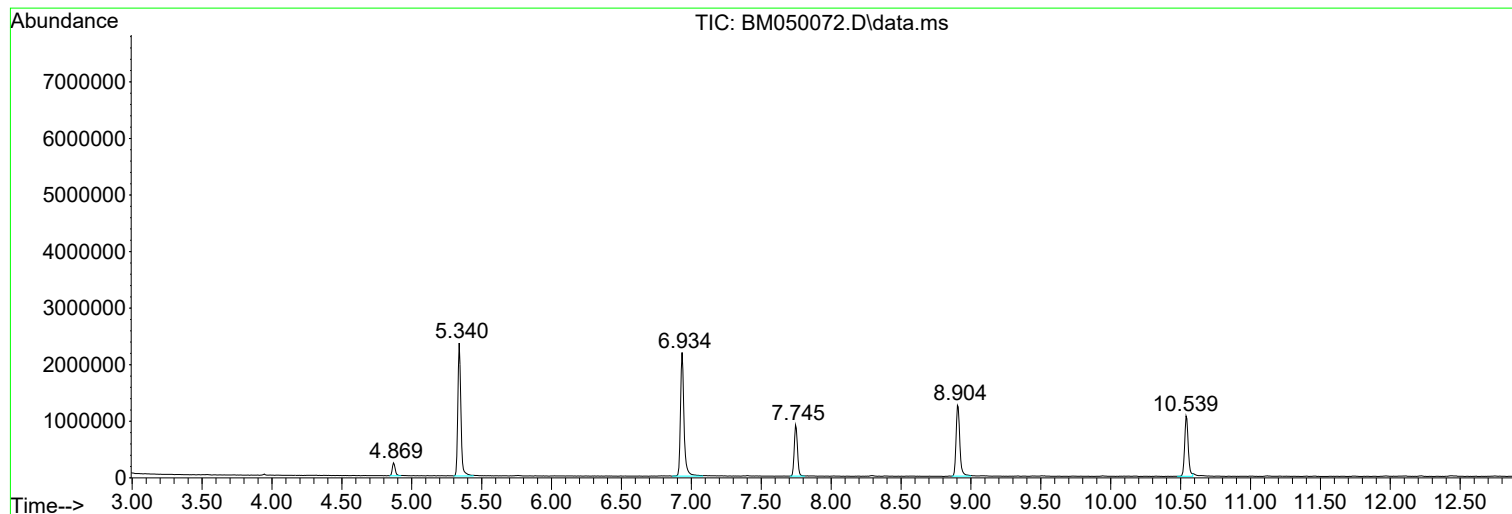
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
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Sample : Q1914-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

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 : BM050072.D  
Acq On : 01 May 2025 20:00  
Operator : RC/JU  
Sample : Q1914-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

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

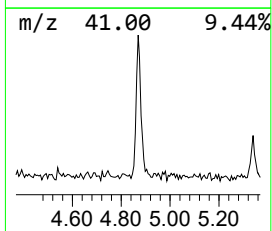
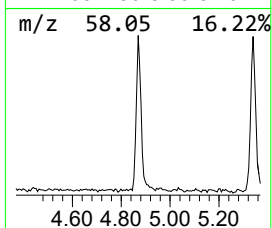
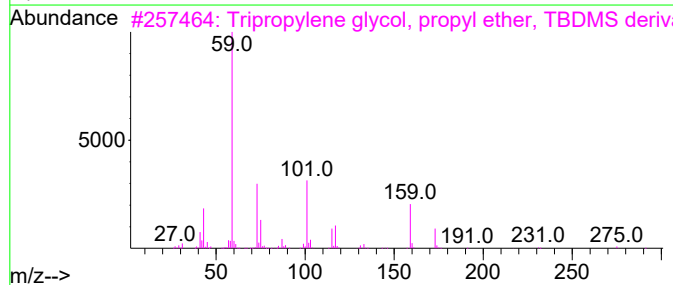
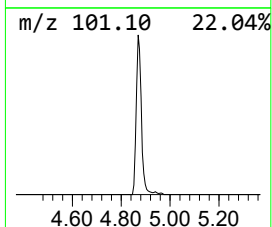
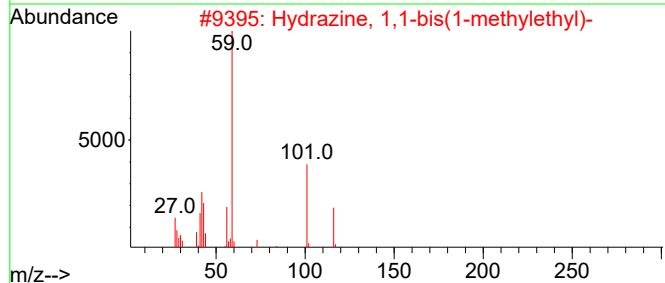
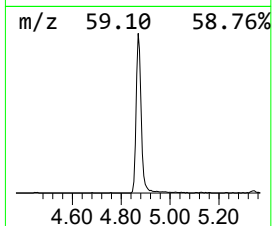
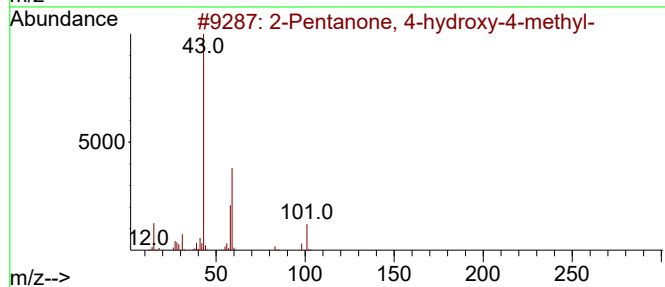
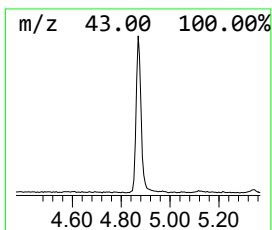
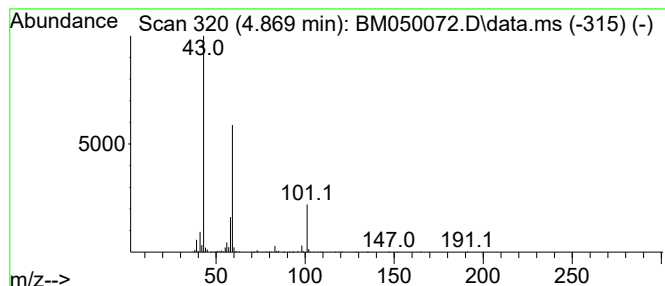
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.869 | 4.59 ng | 332896 | 1,4-Dichlorobenzene-d4 | 7.745 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2  | 50      |      |      |
| 2    | Hydrazine, 1,1-bis(1-methylethyl)-  | 116 | C6H16N2      | 000921-14-2  | 38      |      |      |
| 3    | Tripropylene glycol, propyl ethe... | 348 | C18H40O4Si   | 1000367-07-2 | 28      |      |      |
| 4    | Tetraglyme                          | 222 | C10H22O5     | 000143-24-8  | 25      |      |      |
| 5    | 2,5,8,11-Tetraoxadodecane           | 178 | C8H18O4      | 000112-49-2  | 23      |      |      |



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ALS Vial : 12 Sample Multiplier: 1

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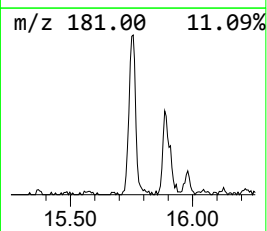
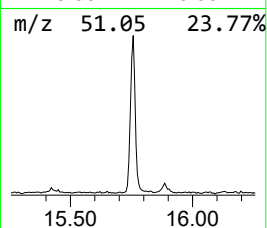
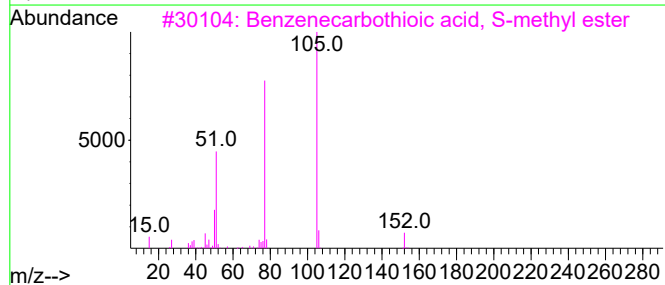
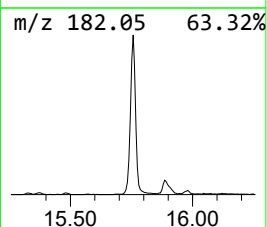
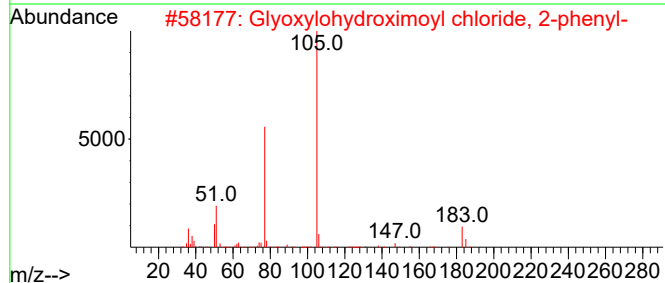
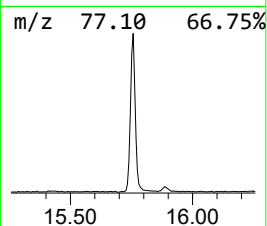
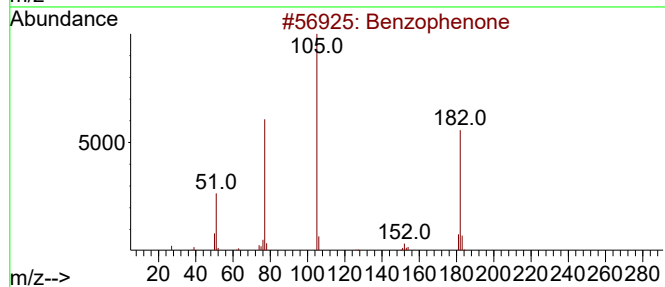
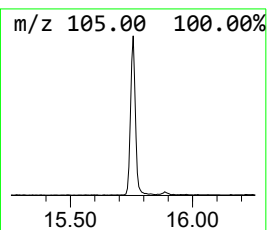
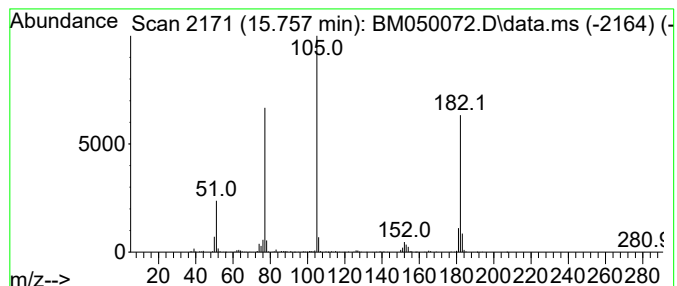
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzophenone Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.757 | 4.13 ng | 573217 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 97   |
| 2    |    |   | Glyoxylohydroximoyl chloride, 2-... | 183 | C8H6ClNO2  | 004937-87-5  | 47   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS     | 005925-68-8  | 47   |
| 4    |    |   | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3     | 015206-55-0  | 43   |
| 5    |    |   | N-Methylbenzamide, N-pentafluoro... | 281 | C11H8F5NO2 | 1000446-98-1 | 43   |



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Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

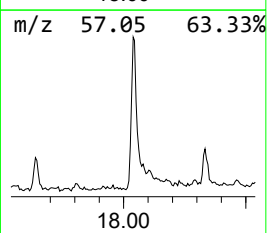
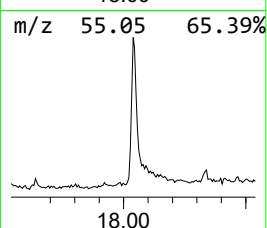
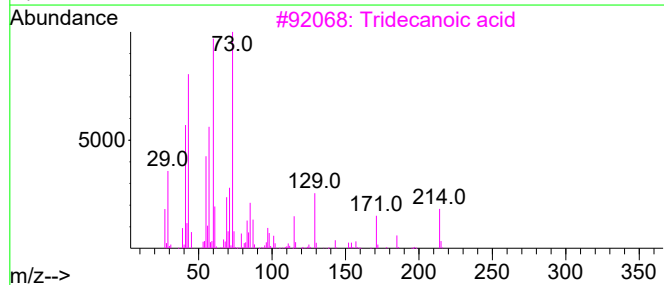
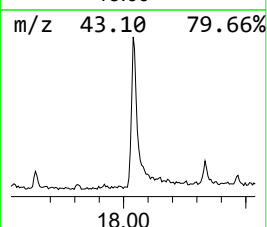
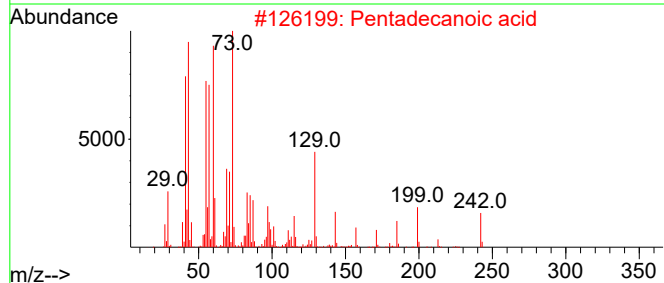
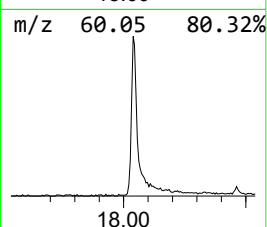
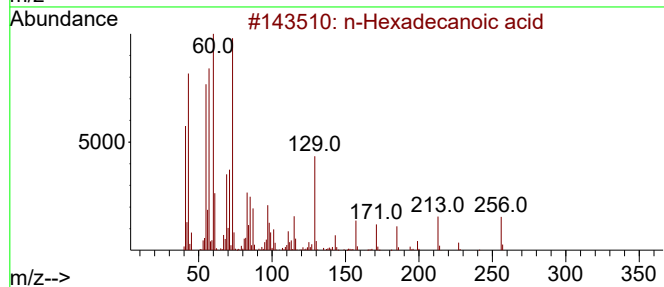
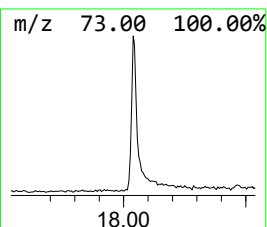
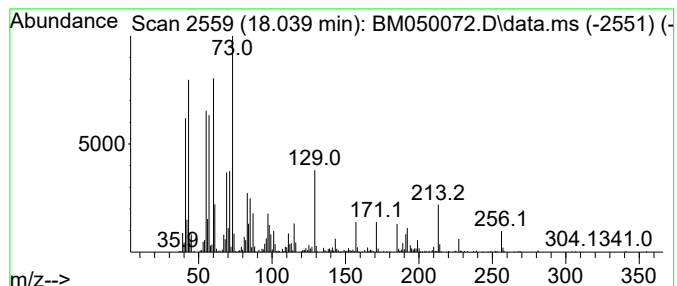
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.039 | 4.71 ng | 771898 | Phenanthrene-d10 | 17.139 |

| 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 | 90   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 81   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |



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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

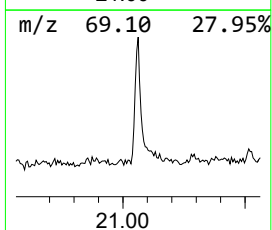
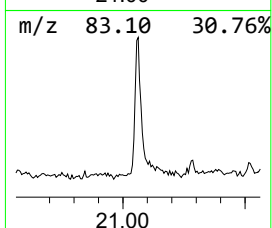
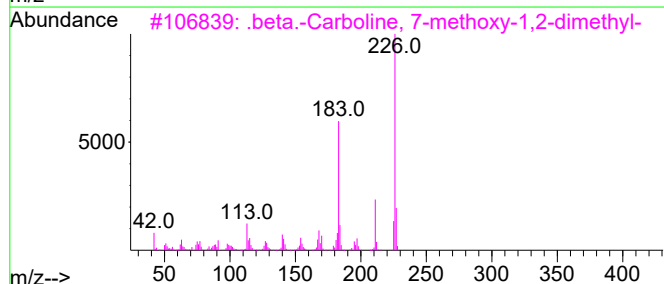
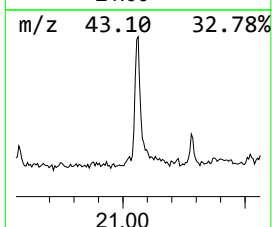
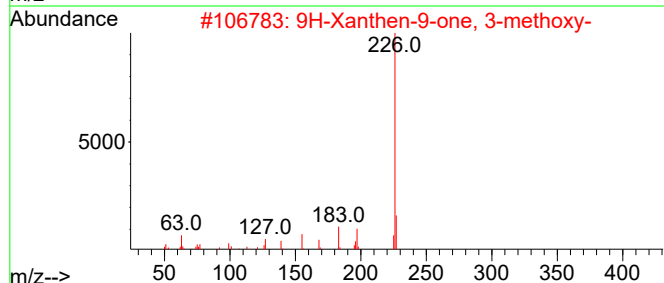
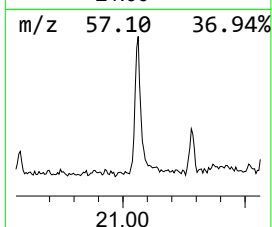
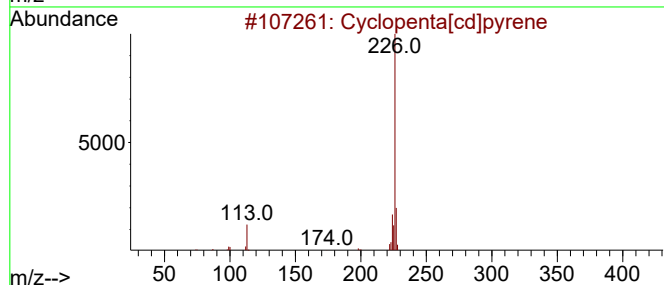
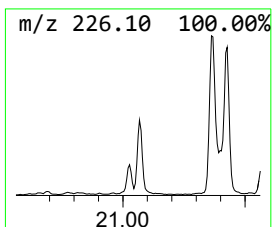
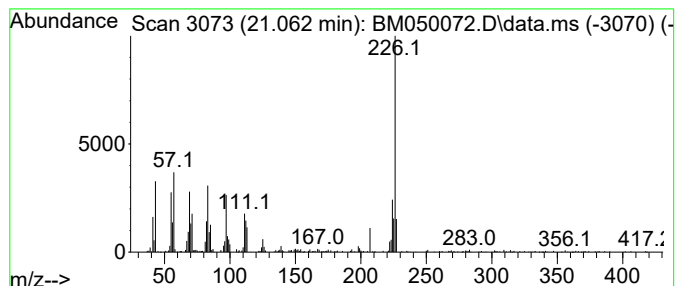
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown21.062 Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.062 | 2.00 ng | 591795 | Chrysene-d12     | 21.380 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopenta[cd]pyrene                | 226 | C18H10    | 027208-37-3  | 49   |
| 2    |    |   | 9H-Xanthen-9-one, 3-methoxy-        | 226 | C14H10O3  | 003722-52-9  | 43   |
| 3    |    |   | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2  | 38   |
| 4    |    |   | 4-Phenyl-3-(trifluoromethyl)-1H-... | 226 | C11H9F3N2 | 096256-50-7  | 38   |
| 5    |    |   | 2-Aminopent-4-enoic acid, N-octy... | 411 | C24H45NO4 | 1010393-15-6 | 37   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
Data File : BM050072.D  
Acq On : 01 May 2025 20:00  
Operator : RC/JU  
Sample : Q1914-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

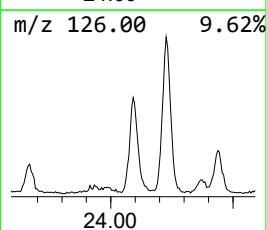
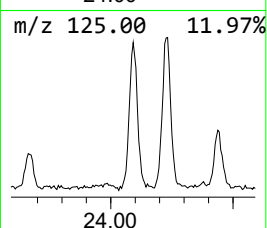
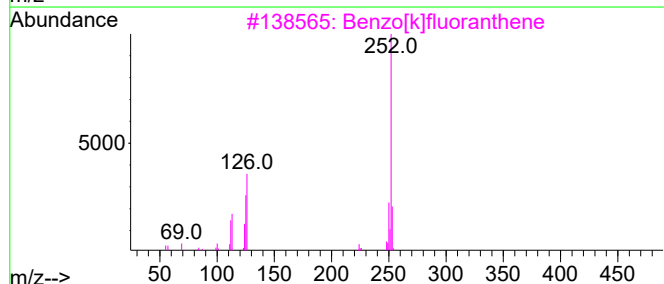
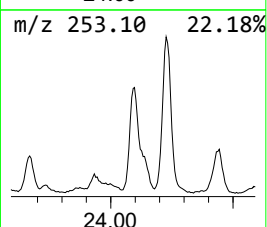
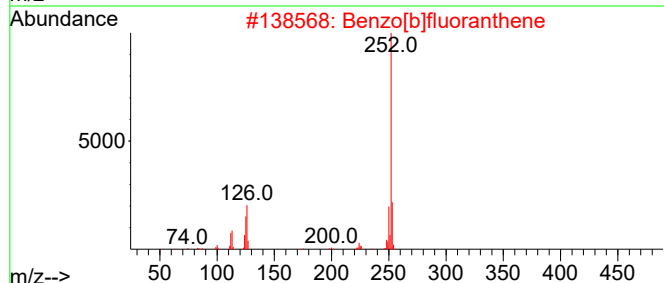
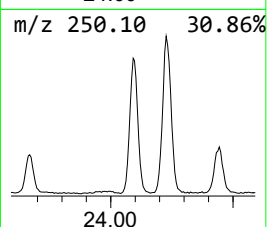
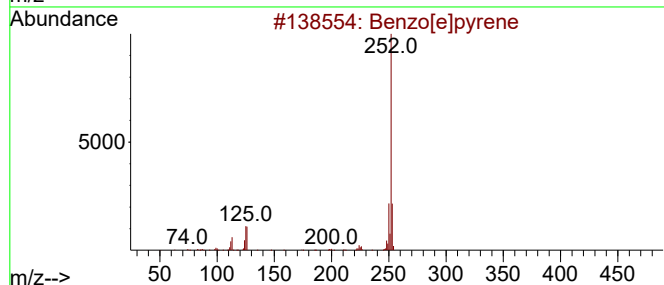
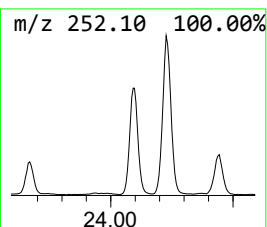
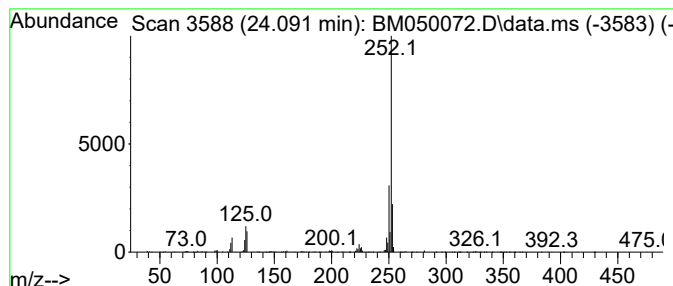
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 24.091 | 7.36 ng | 1299570 | Perylene-d12     | 24.368 |

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





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
Data File : BM050072.D  
Acq On : 01 May 2025 20:00  
Operator : RC/JU  
Sample : Q1914-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SS-4

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 |
| 2-Pentanone, 4-... | 4.869  | 4.6     | ng    | 332896   | 1                     | 7.745  | 1450450 | 20.0 |
| Benzophenone       | 15.757 | 4.1     | ng    | 573217   | 3                     | 14.392 | 2775460 | 20.0 |
| n-Hexadecanoic ... | 18.039 | 4.7     | ng    | 771898   | 4                     | 17.139 | 3277130 | 20.0 |
| unknown21.062      | 21.062 | 2.0     | ng    | 591795   | 5                     | 21.380 | 5911410 | 20.0 |
| Benzo[e]pyrene     | 24.091 | 7.4     | ng    | 1299570  | 6                     | 24.368 | 3530720 | 20.0 |