

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
 Data File : BG064606.D  
 Acq On : 28 Oct 2025 17:54  
 Operator : RC/JU  
 Sample : Q3419-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR132-S16-094119-20251021

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\_G\Methods\8270-BG102425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064606.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         | 3.199       | 12            | 19          | 27           | rBV2     | 29770          | 66399         | 2.64%           | 0.255%        |
| 2         | 3.282       | 27            | 33          | 51           | rVB      | 406192         | 679771        | 26.98%          | 2.609%        |
| 3         | 5.743       | 445           | 452         | 462          | rBV      | 481470         | 769823        | 30.55%          | 2.955%        |
| 4         | 7.347       | 714           | 725         | 735          | rBV      | 448764         | 767548        | 30.46%          | 2.946%        |
| 5         | 8.217       | 866           | 873         | 879          | rVB      | 137314         | 241427        | 9.58%           | 0.927%        |
| 6         | 9.380       | 1061          | 1071        | 1078         | rBV      | 240396         | 434486        | 17.24%          | 1.668%        |
| 7         | 11.043      | 1342          | 1354        | 1359         | rBV      | 164402         | 324047        | 12.86%          | 1.244%        |
| 8         | 11.202      | 1377          | 1381        | 1387         | rVB2     | 20640          | 35503         | 1.41%           | 0.136%        |
| 9         | 11.554      | 1431          | 1441        | 1446         | rVB3     | 15087          | 28448         | 1.13%           | 0.109%        |
| 10        | 12.065      | 1523          | 1528        | 1531         | rBV      | 27860          | 42857         | 1.70%           | 0.165%        |
| 11        | 12.676      | 1623          | 1632        | 1640         | rVB6     | 18288          | 46542         | 1.85%           | 0.179%        |
| 12        | 13.387      | 1747          | 1753        | 1759         | rVB      | 41042          | 60848         | 2.42%           | 0.234%        |
| 13        | 13.464      | 1759          | 1766        | 1774         | rVB      | 584500         | 939072        | 37.27%          | 3.605%        |
| 14        | 14.280      | 1900          | 1905        | 1908         | rBV4     | 30375          | 50313         | 2.00%           | 0.193%        |
| 15        | 14.322      | 1908          | 1912        | 1917         | rVB      | 56888          | 76859         | 3.05%           | 0.295%        |
| 16        | 14.680      | 1969          | 1973        | 1978         | rVB3     | 30290          | 50414         | 2.00%           | 0.194%        |
| 17        | 14.839      | 1990          | 2000        | 2006         | rBV      | 276428         | 484506        | 19.23%          | 1.860%        |
| 18        | 14.903      | 2006          | 2011        | 2015         | rBV2     | 43217          | 72088         | 2.86%           | 0.277%        |
| 19        | 15.232      | 2062          | 2067        | 2072         | rVB      | 67668          | 108649        | 4.31%           | 0.417%        |
| 20        | 15.362      | 2084          | 2089        | 2094         | rVB5     | 18895          | 33163         | 1.32%           | 0.127%        |
| 21        | 15.450      | 2100          | 2104        | 2108         | rBV5     | 15281          | 28274         | 1.12%           | 0.109%        |
| 22        | 15.503      | 2110          | 2113        | 2117         | rVB4     | 25747          | 31854         | 1.26%           | 0.122%        |
| 23        | 15.638      | 2132          | 2136        | 2144         | rVB10    | 24549          | 54210         | 2.15%           | 0.208%        |
| 24        | 15.879      | 2171          | 2177        | 2188         | rVB2     | 156706         | 266084        | 10.56%          | 1.021%        |
| 25        | 16.043      | 2201          | 2205        | 2208         | rBV4     | 26347          | 40615         | 1.61%           | 0.156%        |
| 26        | 16.084      | 2208          | 2212        | 2217         | rVB      | 51041          | 78303         | 3.11%           | 0.301%        |
| 27        | 16.178      | 2223          | 2228        | 2234         | rVB2     | 98008          | 171162        | 6.79%           | 0.657%        |
| 28        | 16.313      | 2244          | 2251        | 2259         | rBV2     | 609606         | 988037        | 39.21%          | 3.792%        |
| 29        | 16.531      | 2283          | 2288        | 2290         | rBV      | 86094          | 122700        | 4.87%           | 0.471%        |
| 30        | 16.560      | 2290          | 2293        | 2301         | rVB      | 111899         | 169667        | 6.73%           | 0.651%        |
| 31        | 16.877      | 2344          | 2347        | 2352         | rVB3     | 49004          | 75867         | 3.01%           | 0.291%        |
| 32        | 16.924      | 2352          | 2355        | 2362         | rBV3     | 29183          | 60347         | 2.40%           | 0.232%        |
| 33        | 17.107      | 2378          | 2386        | 2389         | rBV5     | 45145          | 110761        | 4.40%           | 0.425%        |
| 34        | 17.142      | 2390          | 2392        | 2396         | rVB4     | 30583          | 43398         | 1.72%           | 0.167%        |
| 35        | 17.300      | 2415          | 2419        | 2427         | rBV      | 40330          | 83476         | 3.31%           | 0.320%        |
| 36        | 17.389      | 2430          | 2434        | 2443         | rVB2     | 131573         | 227436        | 9.03%           | 0.873%        |

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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR132-S16-094119-20251021

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\_G\Methods\8270-BG102425.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 17.577 | 2460 | 2466 | 2469 | rBV  | 355808  | 582436  | 23.12%  | 2.236% |
| 38 | 17.618 | 2469 | 2473 | 2479 | rVV  | 1172251 | 1765733 | 70.08%  | 6.778% |
| 39 | 17.706 | 2483 | 2488 | 2494 | rVV  | 806299  | 1208595 | 47.97%  | 4.639% |
| 40 | 17.759 | 2494 | 2497 | 2504 | rVB3 | 39812   | 71263   | 2.83%   | 0.274% |
| 41 | 17.964 | 2527 | 2532 | 2543 | rBV  | 204231  | 365482  | 14.51%  | 1.403% |
| 42 | 18.094 | 2551 | 2554 | 2558 | rBV2 | 26084   | 32458   | 1.29%   | 0.125% |
| 43 | 18.152 | 2561 | 2564 | 2573 | rVB5 | 40919   | 80911   | 3.21%   | 0.311% |
| 44 | 18.293 | 2585 | 2588 | 2592 | rBV4 | 22628   | 33065   | 1.31%   | 0.127% |
| 45 | 18.452 | 2610 | 2615 | 2619 | rBV  | 278688  | 420488  | 16.69%  | 1.614% |
| 46 | 18.499 | 2619 | 2623 | 2628 | rVB  | 231492  | 345790  | 13.72%  | 1.327% |
| 47 | 18.575 | 2631 | 2636 | 2641 | rBV  | 148499  | 210507  | 8.35%   | 0.808% |
| 48 | 18.640 | 2642 | 2647 | 2651 | rBV2 | 234269  | 408023  | 16.19%  | 1.566% |
| 49 | 18.775 | 2667 | 2670 | 2676 | rVB3 | 29521   | 39808   | 1.58%   | 0.153% |
| 50 | 18.940 | 2693 | 2698 | 2703 | rVB  | 163841  | 228133  | 9.05%   | 0.876% |
| 51 | 19.181 | 2736 | 2739 | 2743 | rBV2 | 46193   | 58119   | 2.31%   | 0.223% |
| 52 | 19.233 | 2745 | 2748 | 2751 | rVV  | 40566   | 52204   | 2.07%   | 0.200% |
| 53 | 19.269 | 2752 | 2754 | 2757 | rVB2 | 36527   | 40705   | 1.62%   | 0.156% |
| 54 | 19.351 | 2764 | 2768 | 2774 | rBV  | 75778   | 118425  | 4.70%   | 0.455% |
| 55 | 19.492 | 2789 | 2792 | 2795 | rBV  | 24867   | 32800   | 1.30%   | 0.126% |
| 56 | 19.615 | 2807 | 2813 | 2819 | rBV  | 1770813 | 2519542 | 100.00% | 9.671% |
| 57 | 19.668 | 2819 | 2822 | 2826 | rVV2 | 52836   | 62684   | 2.49%   | 0.241% |
| 58 | 19.709 | 2826 | 2829 | 2832 | rVV5 | 45956   | 60747   | 2.41%   | 0.233% |
| 59 | 19.850 | 2850 | 2853 | 2858 | rBV  | 54645   | 81338   | 3.23%   | 0.312% |
| 60 | 19.944 | 2863 | 2869 | 2870 | rVV2 | 356927  | 516324  | 20.49%  | 1.982% |
| 61 | 19.974 | 2870 | 2874 | 2882 | rVV  | 1032471 | 1628086 | 64.62%  | 6.249% |
| 62 | 20.038 | 2882 | 2885 | 2891 | rVB2 | 82435   | 130552  | 5.18%   | 0.501% |
| 63 | 20.162 | 2899 | 2906 | 2911 | rBV  | 1269212 | 1833037 | 72.75%  | 7.036% |
| 64 | 20.291 | 2923 | 2928 | 2934 | rBV3 | 75577   | 184326  | 7.32%   | 0.708% |
| 65 | 20.461 | 2952 | 2957 | 2962 | rVB  | 358937  | 527613  | 20.94%  | 2.025% |
| 66 | 20.555 | 2968 | 2973 | 2977 | rBV  | 408205  | 550123  | 21.83%  | 2.112% |
| 67 | 21.178 | 3077 | 3079 | 3085 | rVB3 | 34898   | 41807   | 1.66%   | 0.160% |
| 68 | 21.419 | 3116 | 3120 | 3124 | rBV  | 103064  | 151803  | 6.03%   | 0.583% |
| 69 | 21.460 | 3124 | 3127 | 3132 | rBV2 | 55304   | 110049  | 4.37%   | 0.422% |
| 70 | 21.842 | 3184 | 3192 | 3197 | rBV2 | 527814  | 1445250 | 57.36%  | 5.547% |
| 71 | 21.895 | 3197 | 3201 | 3213 | rVB  | 408592  | 738717  | 29.32%  | 2.836% |
| 72 | 22.054 | 3225 | 3228 | 3234 | rVB3 | 58441   | 94571   | 3.75%   | 0.363% |
| 73 | 24.134 | 3574 | 3582 | 3590 | rBV2 | 83714   | 317928  | 12.62%  | 1.220% |
| 74 | 24.874 | 3702 | 3708 | 3723 | rVB  | 51100   | 165990  | 6.59%   | 0.637% |
| 75 | 25.027 | 3728 | 3734 | 3742 | rVB  | 58115   | 149927  | 5.95%   | 0.575% |
| 76 | 25.185 | 3752 | 3761 | 3770 | rBV  | 264271  | 749867  | 29.76%  | 2.878% |

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Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

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\_G\Methods\8270-BG102425.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 77 | 29.210 | 4440 | 4446 | 4447 | rBV6 | 22346 | 32239 | 1.28% | 0.124% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

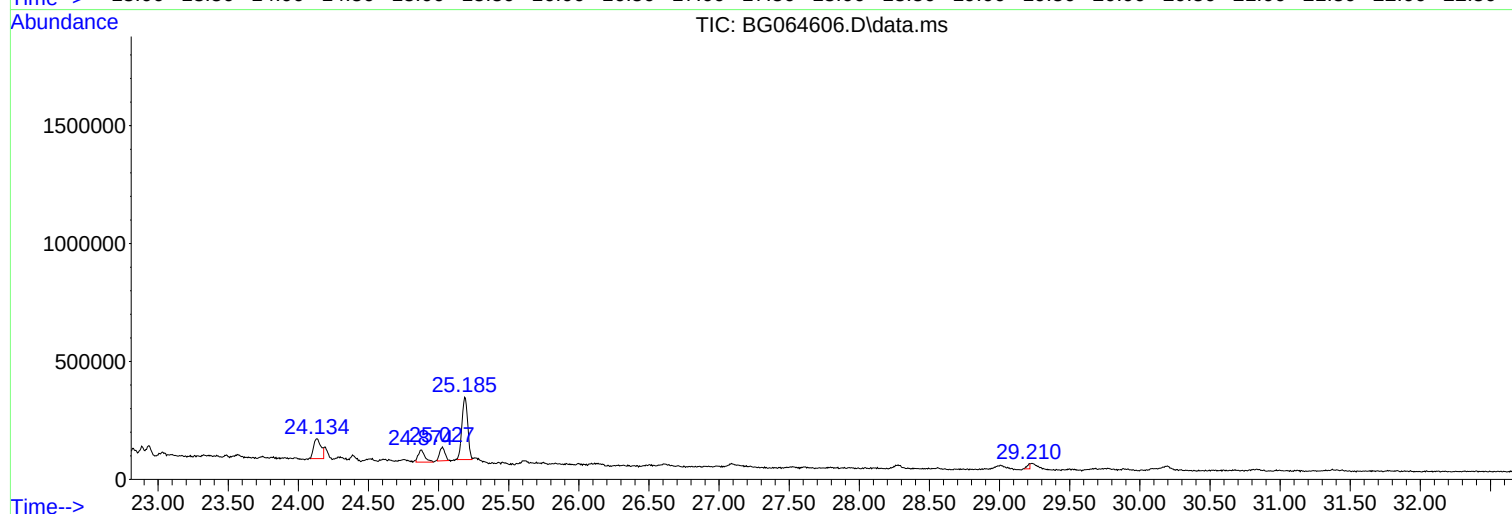
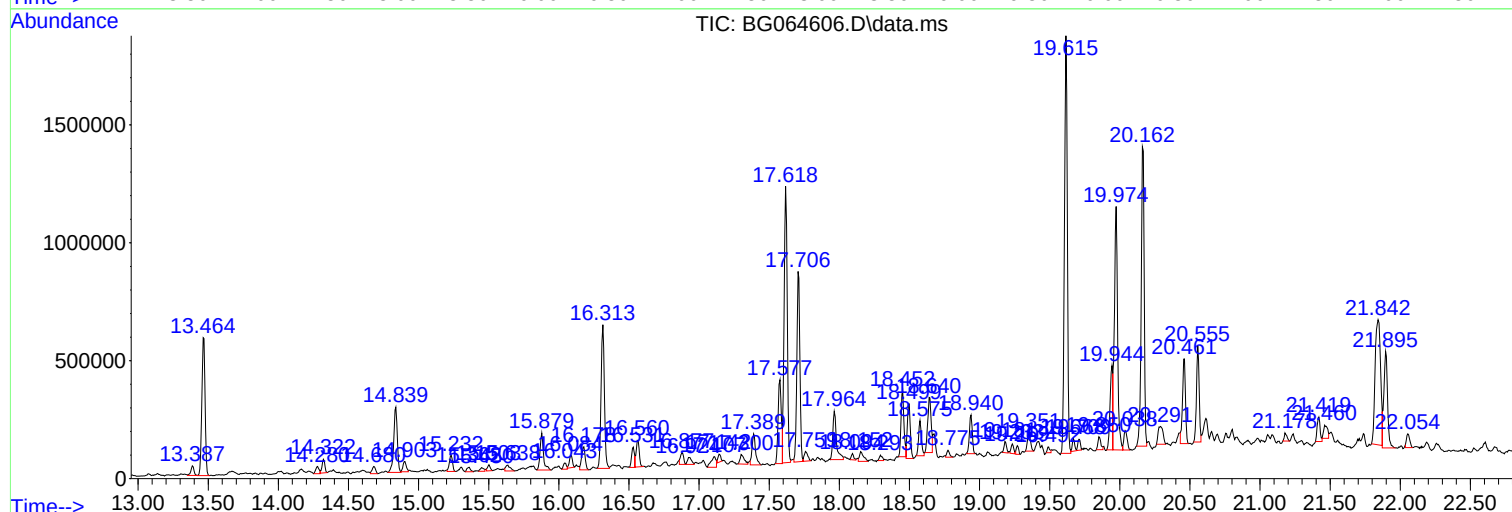
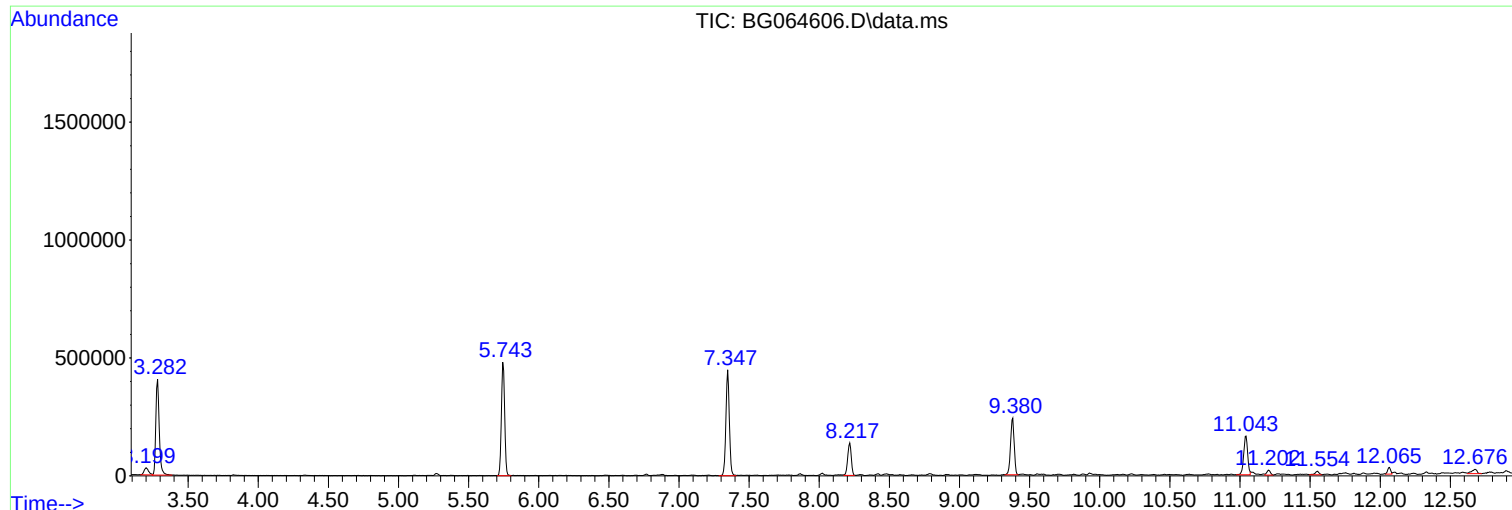
Sum of corrected areas: 26052419

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.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\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

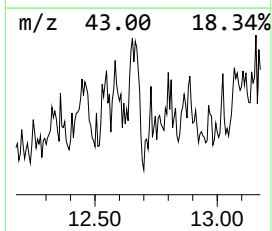
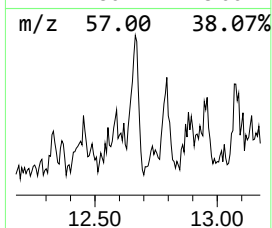
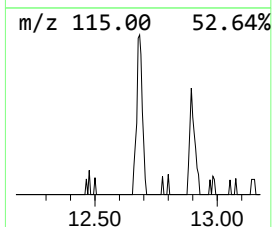
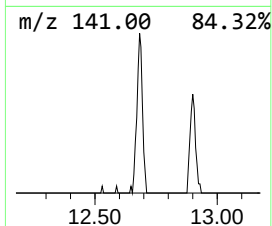
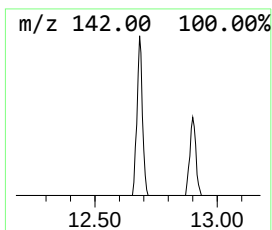
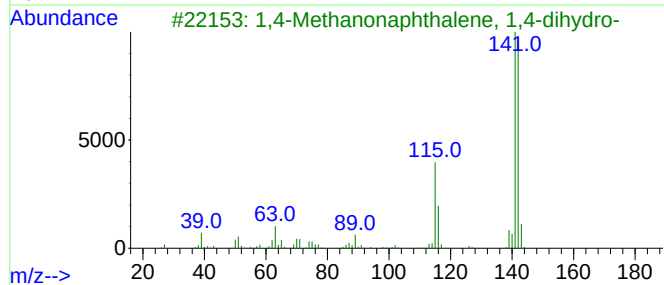
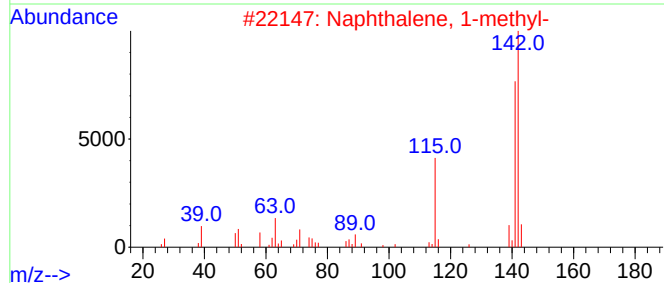
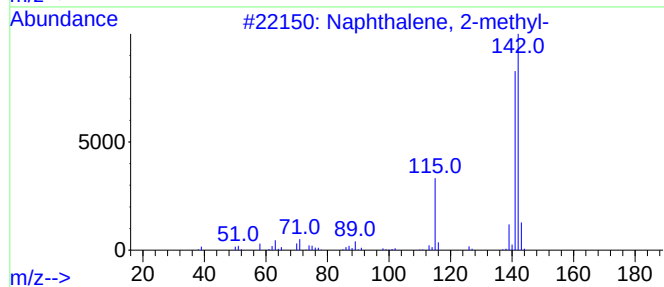
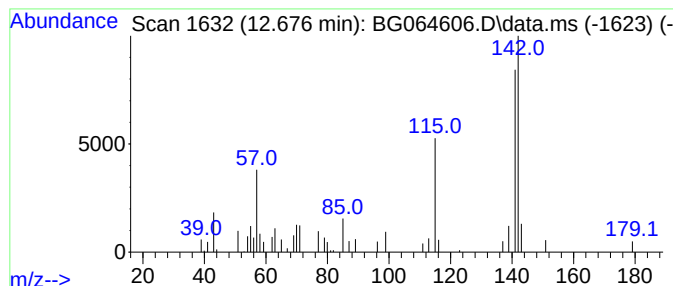
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 19

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.677 | 2.87 ng | 46542 | Naphthalene-d8   | 11.037 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 87   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 87   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 83   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 68   |
| 5    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 58   |



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ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :  
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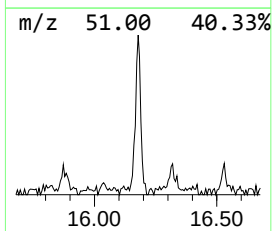
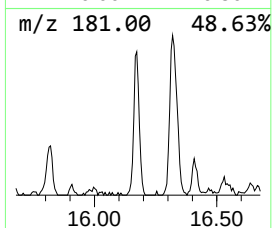
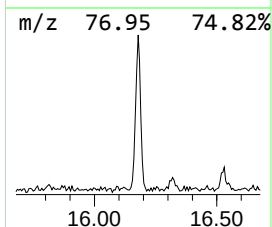
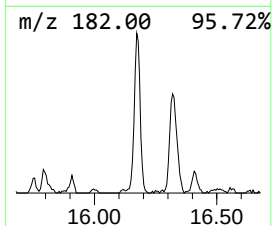
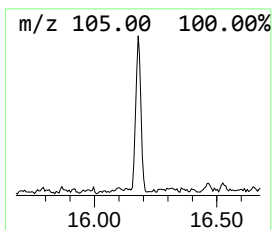
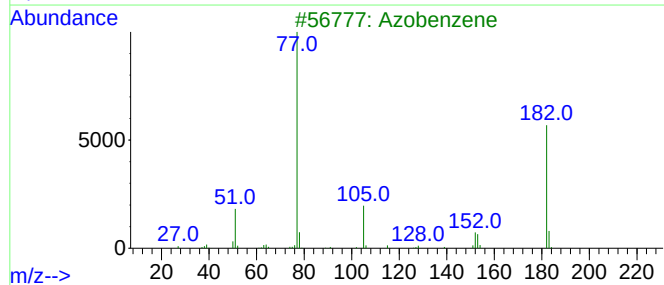
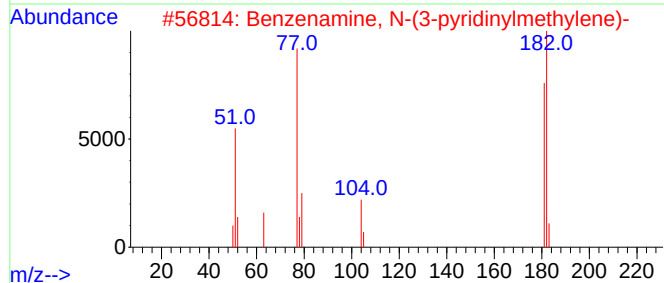
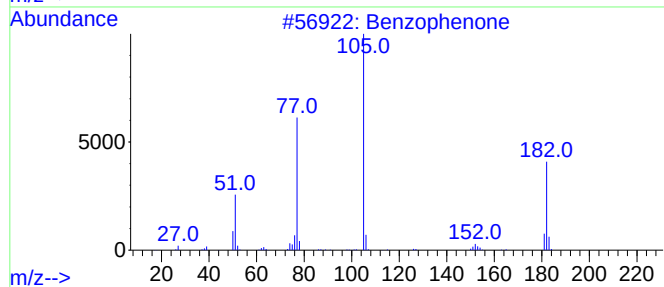
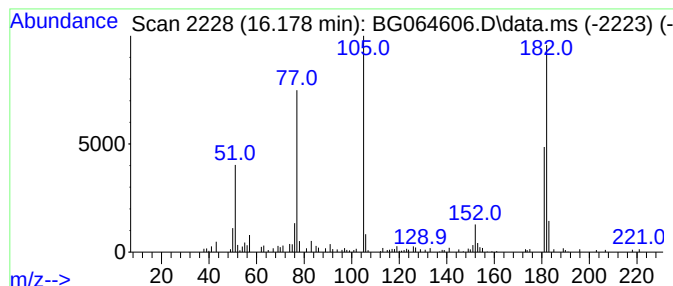
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Benzophenone Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.178 | 7.07 ng | 171162 | Acenaphthene-d10 | 14.839 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 91   |
| 2    |    |   | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 80   |
| 3    |    |   | Azobenzene                          | 182 | C12H10N2 | 000103-33-3 | 64   |
| 4    |    |   | 9H-Fluoren-3-ol                     | 182 | C13H10O  | 006344-67-8 | 43   |
| 5    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 43   |



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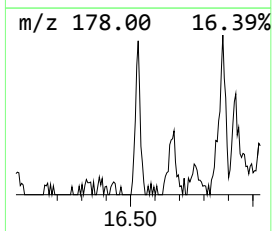
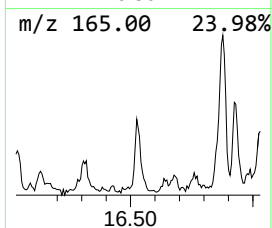
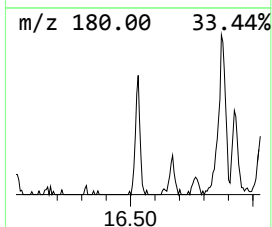
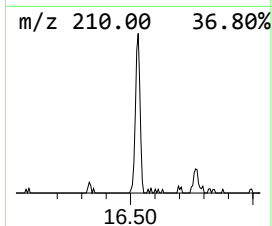
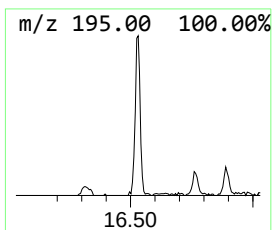
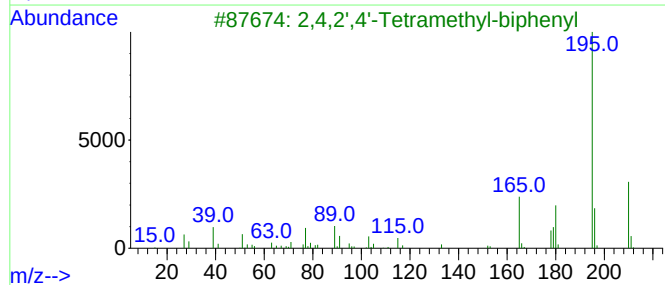
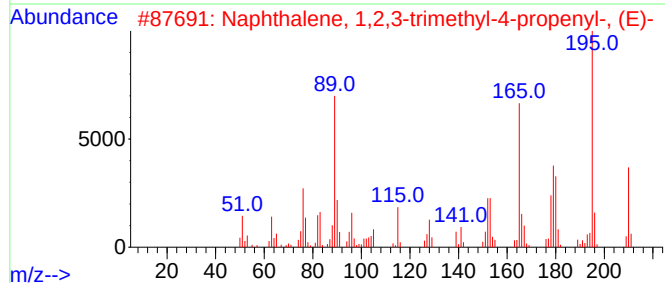
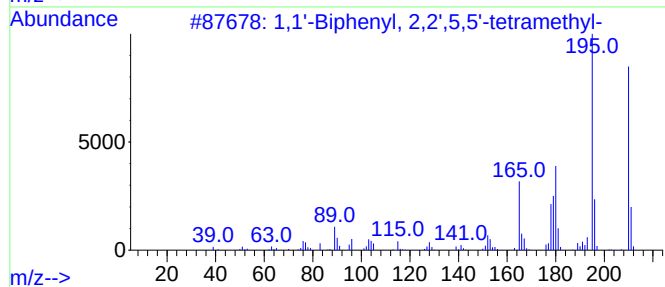
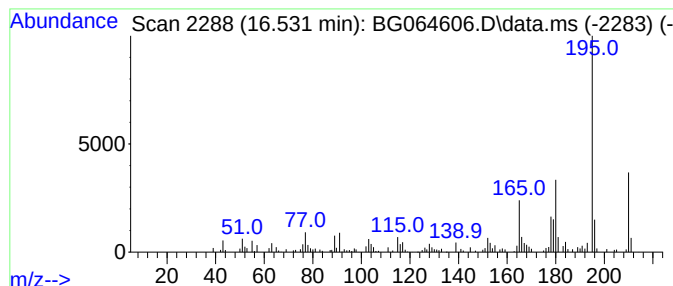
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.531 | 4.21 ng | 122700 | Phenanthrene-d10 | 17.577 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 1,1'-Biphenyl, 2,2',5,5'-tetrame... | 210 | C16H18  | 003075-84-1  | 95   |
| 2    |    |   | Naphthalene, 1,2,3-trimethyl-4-p... | 210 | C16H18  | 026137-53-1  | 83   |
| 3    |    |   | 2,4,2',4'-Tetramethyl-biphenyl      | 210 | C16H18  | 1000486-97-7 | 72   |
| 4    |    |   | Stilbene, 4-amino- (E)-             | 195 | C14H13N | 004309-66-4  | 58   |
| 5    |    |   | 9-Anthracenamine, 9,10-dihydro-     | 195 | C14H13N | 097825-91-7  | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

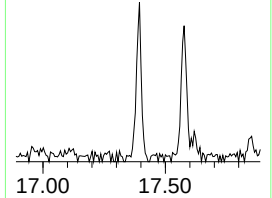
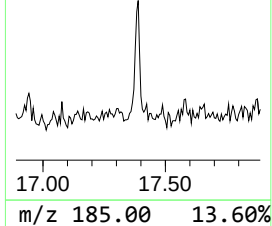
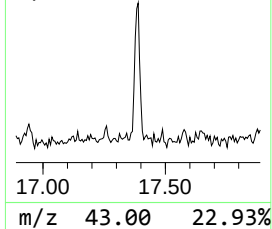
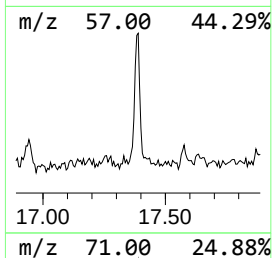
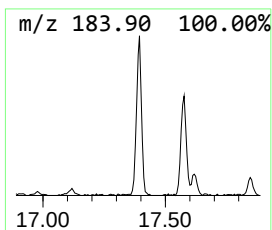
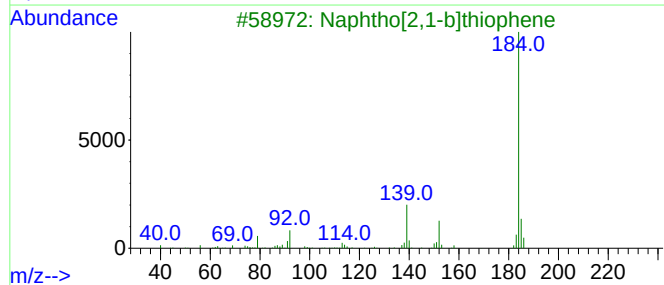
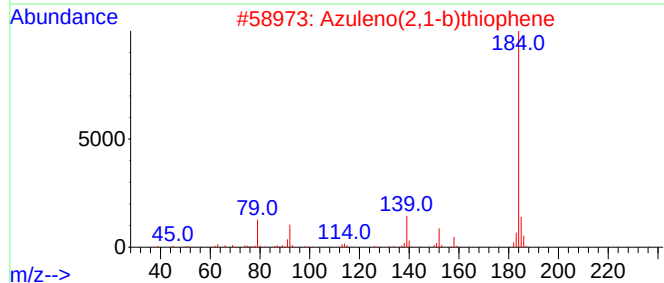
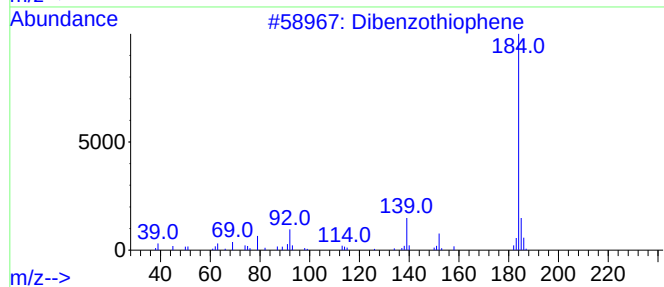
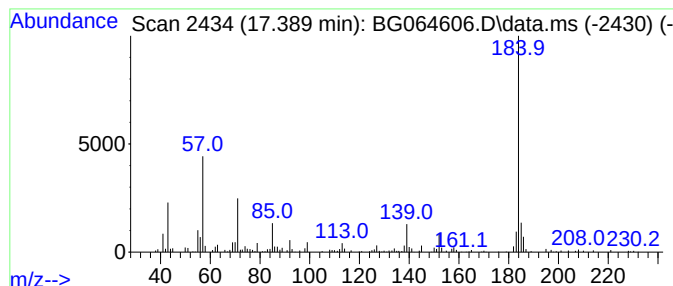
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Dibenzothiophene Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.389 | 7.81 ng | 227436 | Phenanthrene-d10 | 17.577 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 90   |
| 2    |    |   | Azuleno(2,1-b)thiophene | 184 | C12H8S  | 000248-13-5 | 81   |
| 3    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 81   |
| 4    |    |   | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 70   |
| 5    |    |   | Naphtho[1,2-b]thiophene | 184 | C12H8S  | 000234-41-3 | 70   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

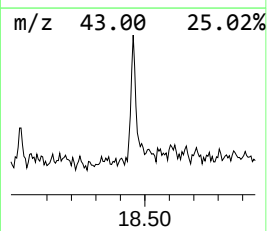
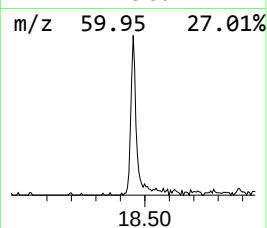
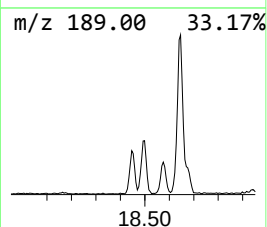
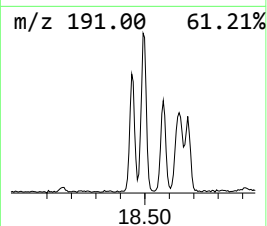
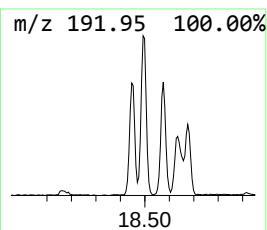
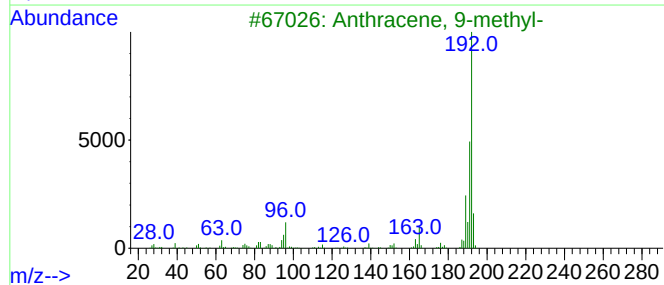
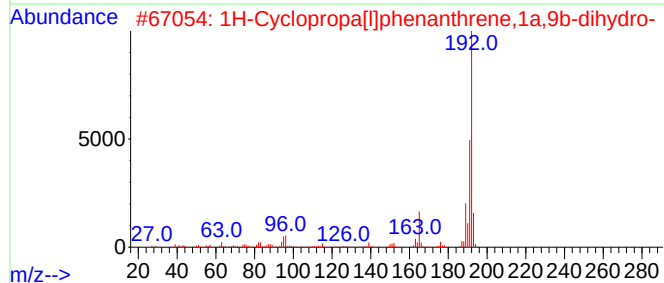
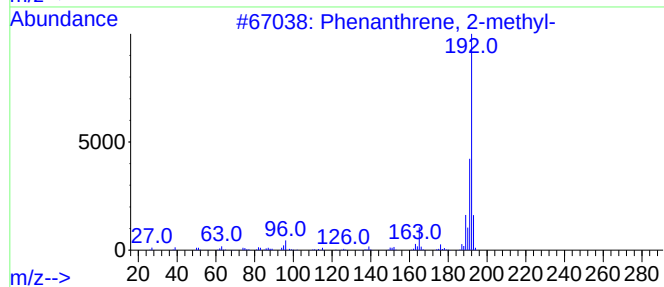
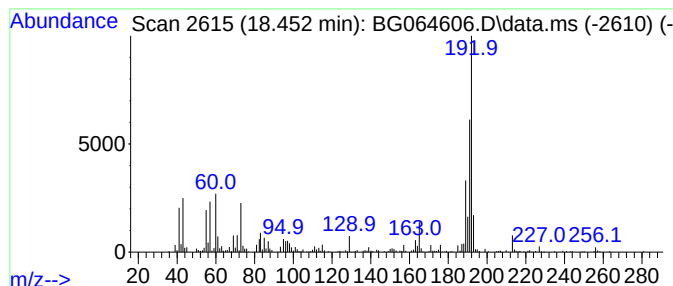
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.452 | 14.44 ng | 420488 | Phenanthrene-d10 | 17.577 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 3    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 95   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 93   |
| 5    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 92   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

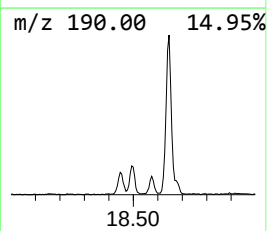
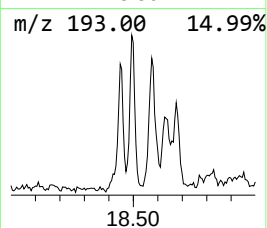
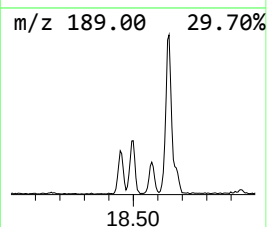
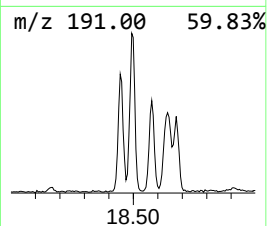
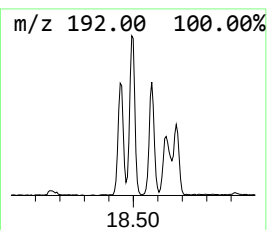
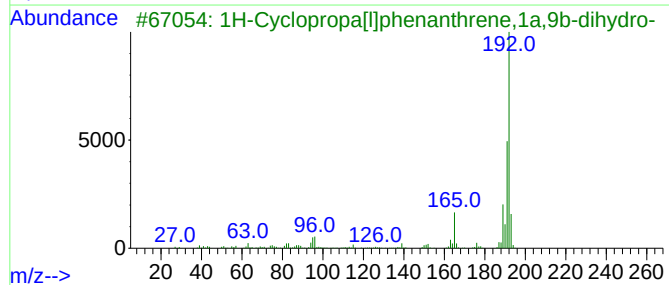
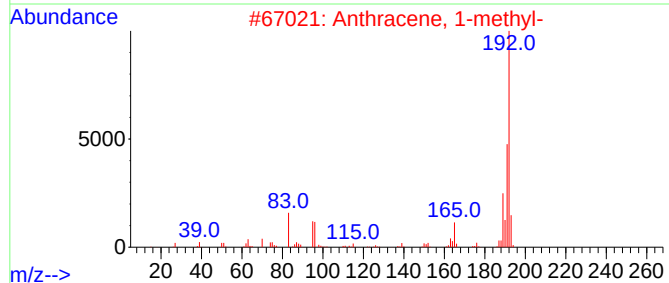
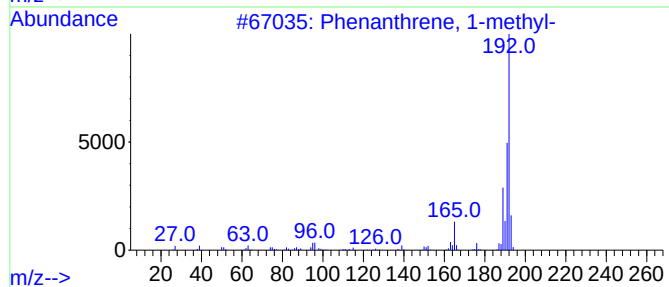
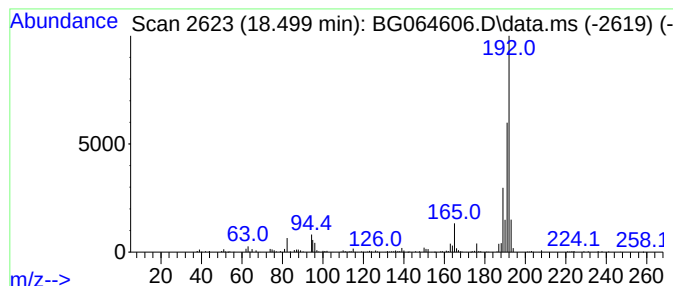
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 18.499 | 11.87 ng | 345790 | Phenanthrene-d10 | 17.577 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 95   |
| 2    |      | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 94   |
| 3    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 94   |
| 4    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 94   |
| 5    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

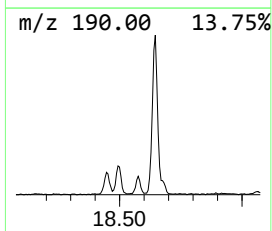
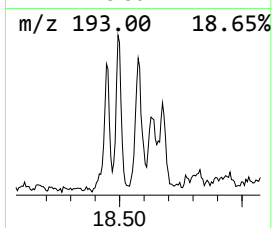
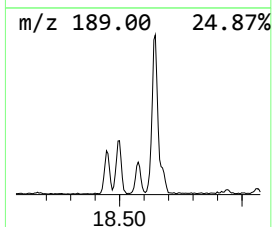
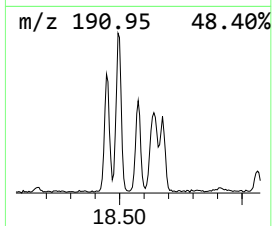
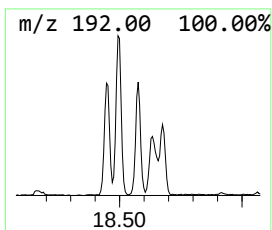
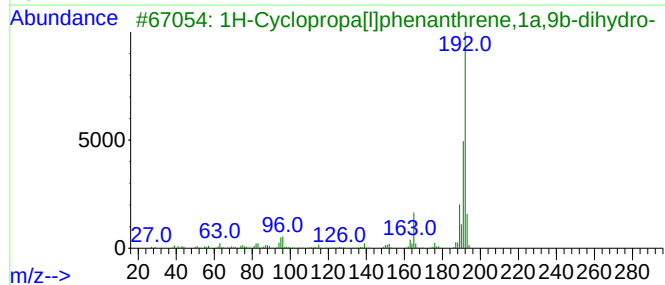
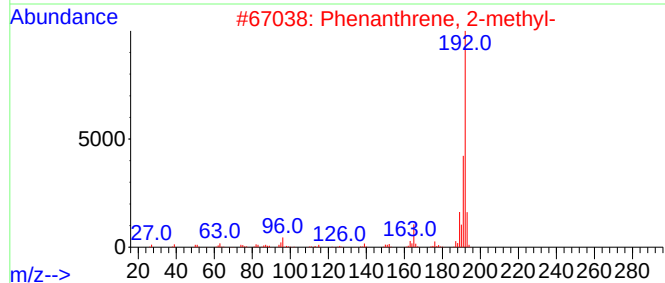
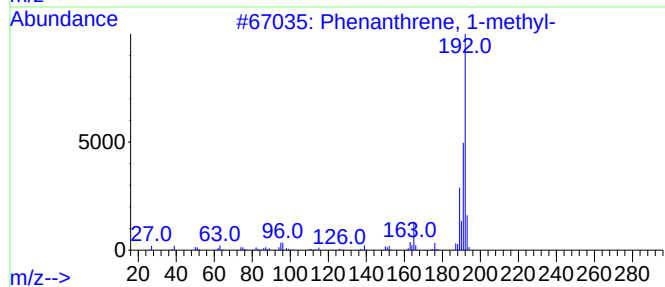
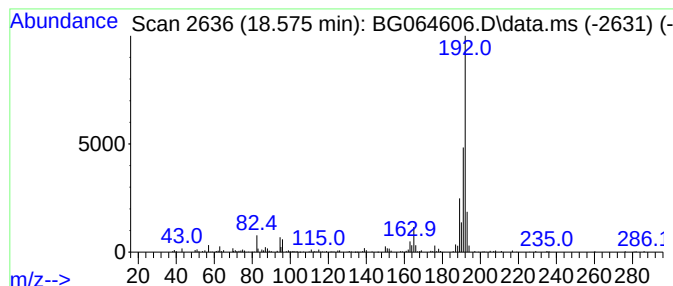
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.575 | 7.23 ng | 210507 | Phenanthrene-d10 | 17.577 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 4    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 94   |
| 5    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

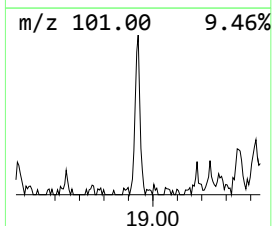
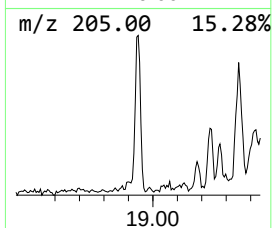
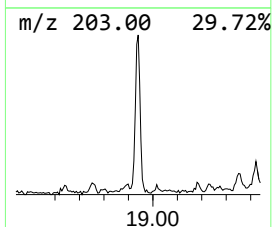
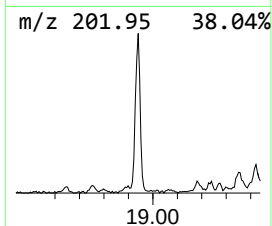
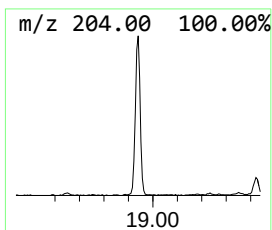
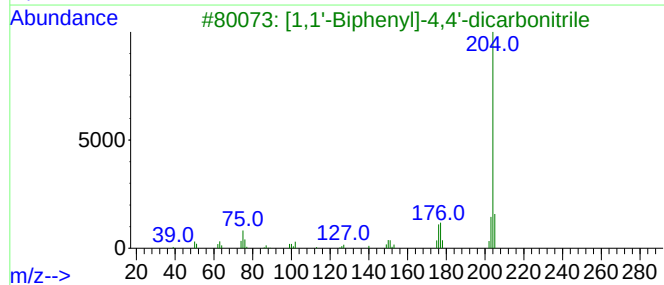
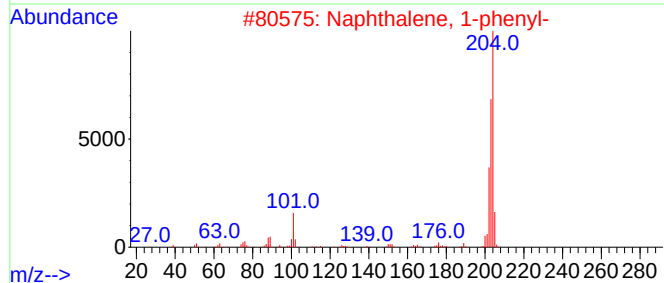
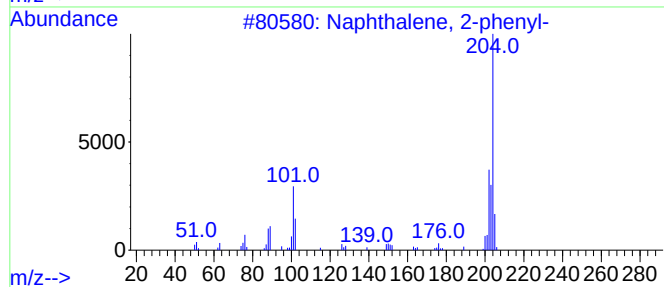
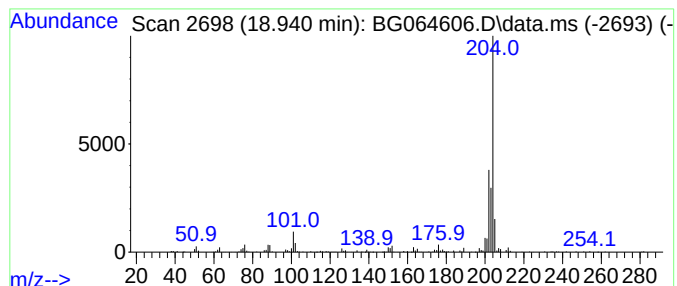
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.940 | 7.83 ng | 228133 | Phenanthrene-d10 | 17.577 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 90   |
| 2    |      | Naphthalene, 1-phenyl-              | 204 | C16H12  | 000605-02-7 | 58   |
| 3    |      | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 52   |
| 4    |      | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24  | 005672-97-9 | 50   |
| 5    |      | 6-Phenylbenzocyclohepten-7-one      | 232 | C17H12O | 093327-56-1 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

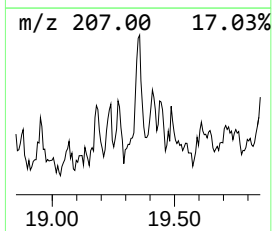
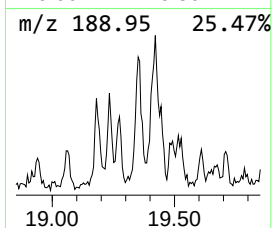
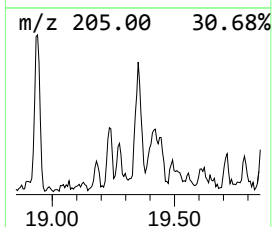
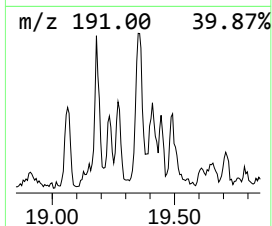
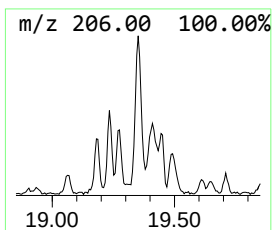
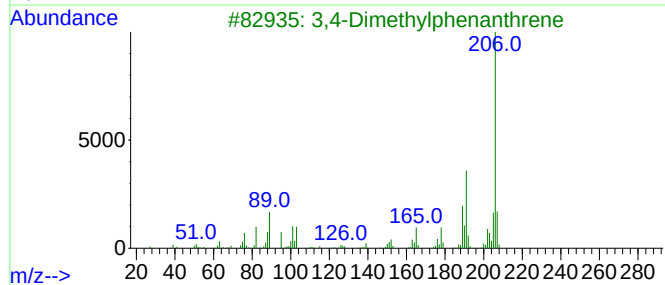
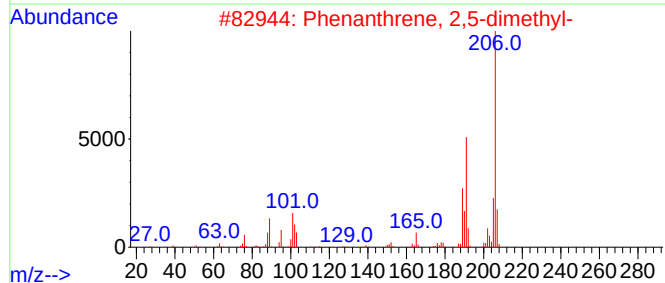
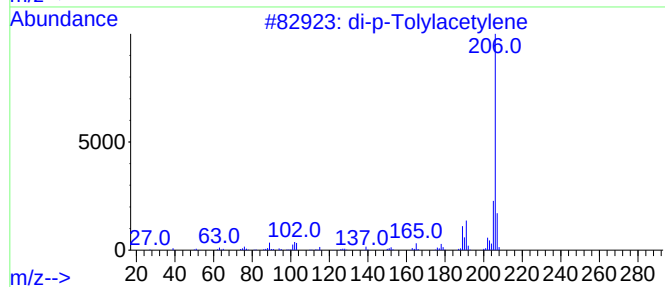
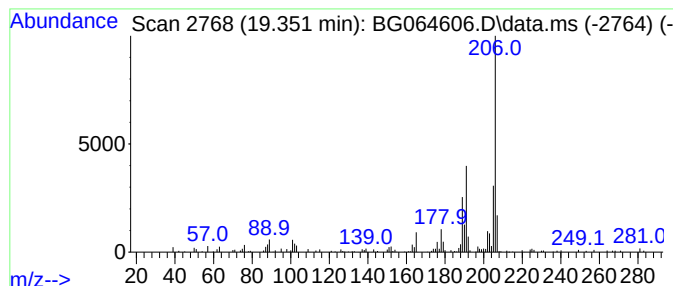
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 di-p-Tolylacetylene Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.351 | 4.07 ng | 118425 | Phenanthrene-d10 | 17.577 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|------|-----------------------------|-----|---------|--------------|------|
| 1    |      | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0  | 94   |
| 2    |      | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6  | 93   |
| 3    |      | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 93   |
| 4    |      | Phenanthrene, 2,7-dimethyl- | 206 | C16H14  | 001576-69-8  | 90   |
| 5    |      | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6  | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

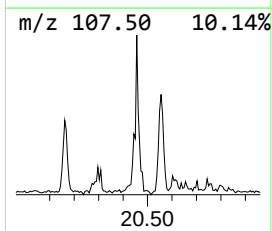
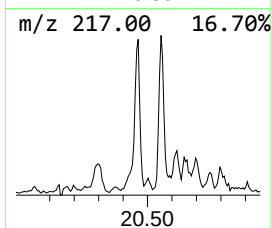
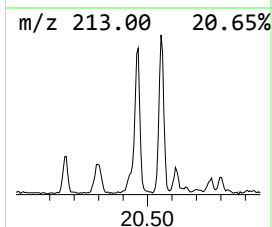
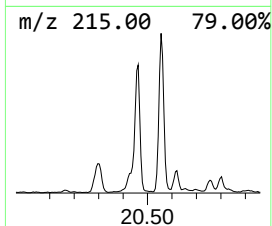
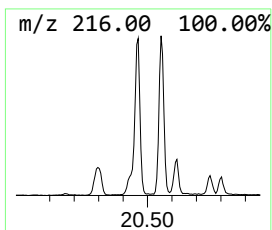
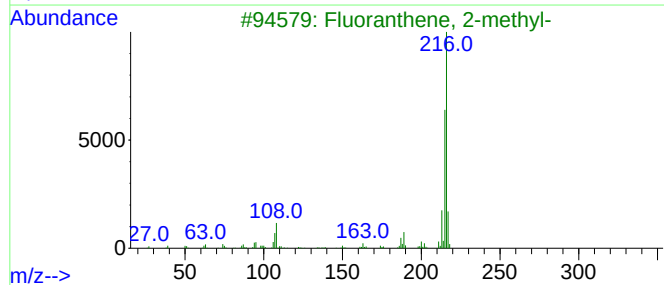
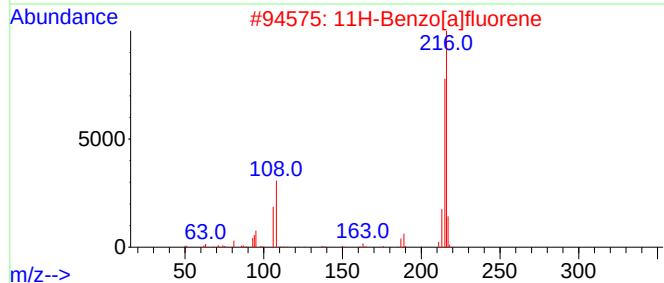
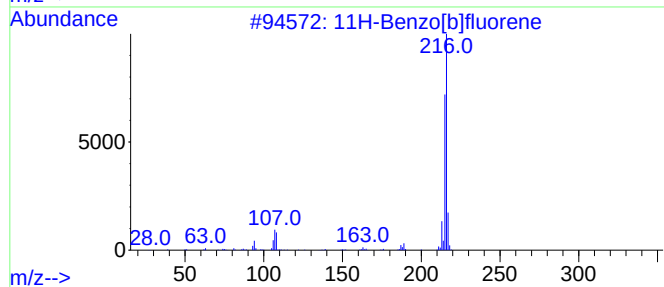
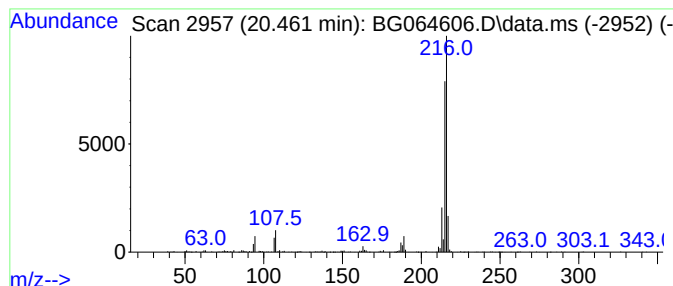
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.462 | 7.30 ng | 527613 | Chrysene-d12     | 21.848 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 96   |
| 2    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 93   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 90   |
| 4    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 90   |
| 5    |    |   | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

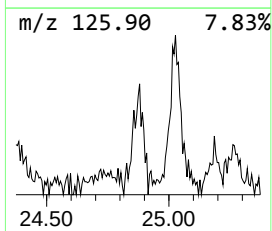
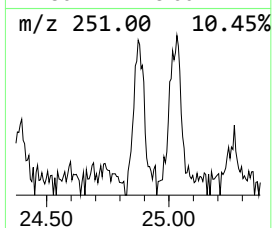
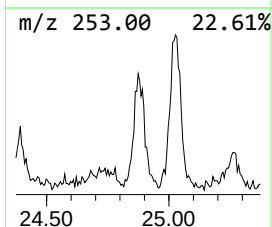
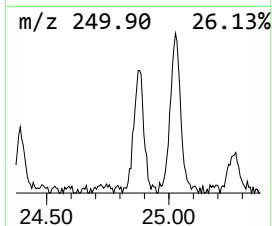
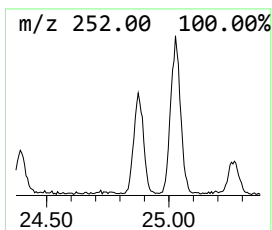
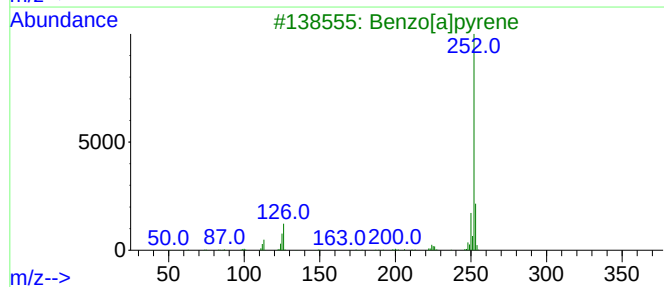
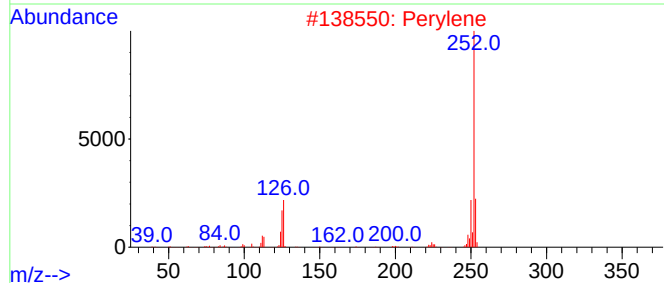
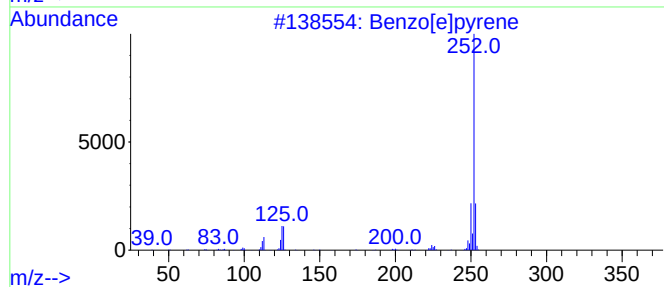
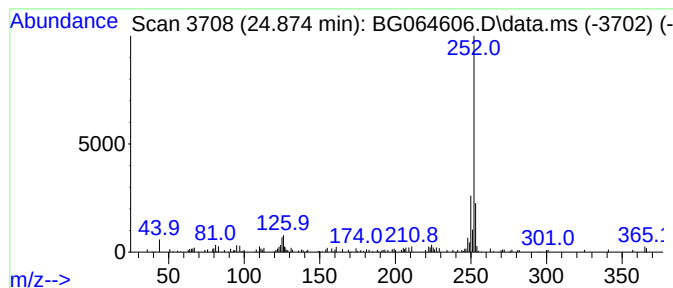
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Benzo[e]pyrene Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 24.874 | 4.43 ng | 165990 | Perylene-d12     | 25.185 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzo[e]pyrene             | 252 | C20H12   | 000192-97-2 | 90   |
| 2    |    |   | Perylene                   | 252 | C20H12   | 000198-55-0 | 90   |
| 3    |    |   | Benzo[a]pyrene             | 252 | C20H12   | 000050-32-8 | 81   |
| 4    |    |   | Benzo[b]fluoranthene       | 252 | C20H12   | 000205-99-2 | 81   |
| 5    |    |   | (1-Cyclopentenyl)ferrocene | 252 | C15H16Fe | 012260-67-2 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102825\  
Data File : BG064606.D  
Acq On : 28 Oct 2025 17:54  
Operator : RC/JU  
Sample : Q3419-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-S16-094119-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Naphthalene, 2-... | 12.677 | 2.9     | ng    | 46542    | 2                     | 11.037 | 324047  | 20.0 |
| Benzophenone       | 16.178 | 7.1     | ng    | 171162   | 3                     | 14.839 | 484506  | 20.0 |
| 1,1'-Biphenyl, ... | 16.531 | 4.2     | ng    | 122700   | 4                     | 17.577 | 582436  | 20.0 |
| Dibenzothiophene   | 17.389 | 7.8     | ng    | 227436   | 4                     | 17.577 | 582436  | 20.0 |
| Phenanthrene, 2... | 18.452 | 14.4    | ng    | 420488   | 4                     | 17.577 | 582436  | 20.0 |
| Phenanthrene, 1... | 18.499 | 11.9    | ng    | 345790   | 4                     | 17.577 | 582436  | 20.0 |
| 1H-Cyclopropa[1... | 18.575 | 7.2     | ng    | 210507   | 4                     | 17.577 | 582436  | 20.0 |
| Naphthalene, 2-... | 18.940 | 7.8     | ng    | 228133   | 4                     | 17.577 | 582436  | 20.0 |
| di-p-Tolylacety... | 19.351 | 4.1     | ng    | 118425   | 4                     | 17.577 | 582436  | 20.0 |
| 11H-Benzo[b]flu... | 20.462 | 7.3     | ng    | 527613   | 5                     | 21.848 | 1445250 | 20.0 |
| Benzo[e]pyrene     | 24.874 | 4.4     | ng    | 165990   | 6                     | 25.185 | 749867  | 20.0 |