

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
 Data File : BM050021.D  
 Acq On : 23 Apr 2025 19:50  
 Operator : RC/JU  
 Sample : Q1853-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-02-04222025

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-BM040825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050021.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         | 4.881       | 318           | 322         | 333          | rBV      | 281846         | 405482        | 5.15%           | 0.496%        |
| 2         | 5.357       | 396           | 403         | 420          | rBV      | 1090096        | 1774556       | 22.52%          | 2.170%        |
| 3         | 5.957       | 501           | 505         | 510          | rBV      | 54240          | 81571         | 1.04%           | 0.100%        |
| 4         | 6.951       | 667           | 674         | 693          | rBV      | 887962         | 1668617       | 21.17%          | 2.041%        |
| 5         | 7.763       | 803           | 812         | 822          | rBV      | 840943         | 1369863       | 17.38%          | 1.675%        |
| 6         | 8.922       | 1003          | 1009        | 1018         | rVV      | 572542         | 1052468       | 13.35%          | 1.287%        |
| 7         | 9.110       | 1031          | 1041        | 1048         | rVB      | 29268          | 93456         | 1.19%           | 0.114%        |
| 8         | 10.557      | 1277          | 1287        | 1294         | rBV      | 959314         | 1874396       | 23.78%          | 2.293%        |
| 9         | 11.475      | 1437          | 1443        | 1451         | rVB6     | 42845          | 96667         | 1.23%           | 0.118%        |
| 10        | 11.586      | 1457          | 1462        | 1467         | rBV2     | 62293          | 126677        | 1.61%           | 0.155%        |
| 11        | 11.751      | 1485          | 1490        | 1498         | rVB2     | 58700          | 110228        | 1.40%           | 0.135%        |
| 12        | 11.986      | 1525          | 1530        | 1535         | rBV2     | 102528         | 156847        | 1.99%           | 0.192%        |
| 13        | 12.110      | 1541          | 1551        | 1556         | rVB6     | 40939          | 117582        | 1.49%           | 0.144%        |
| 14        | 12.228      | 1565          | 1571        | 1581         | rVB3     | 120232         | 271046        | 3.44%           | 0.332%        |
| 15        | 12.475      | 1610          | 1613        | 1618         | rVB2     | 66184          | 105209        | 1.33%           | 0.129%        |
| 16        | 12.945      | 1689          | 1693        | 1699         | rVB3     | 72628          | 105386        | 1.34%           | 0.129%        |
| 17        | 13.028      | 1700          | 1707        | 1717         | rBV      | 1651576        | 2632048       | 33.40%          | 3.219%        |
| 18        | 13.233      | 1737          | 1742        | 1749         | rVB3     | 113377         | 183618        | 2.33%           | 0.225%        |
| 19        | 14.133      | 1888          | 1895        | 1908         | rBV      | 341794         | 622779        | 7.90%           | 0.762%        |
| 20        | 14.310      | 1920          | 1925        | 1931         | rBV      | 121856         | 156823        | 1.99%           | 0.192%        |
| 21        | 14.410      | 1934          | 1942        | 1949         | rVV      | 1606594        | 2461075       | 31.23%          | 3.010%        |
| 22        | 14.474      | 1949          | 1953        | 1961         | rVB      | 76001          | 134672        | 1.71%           | 0.165%        |
| 23        | 15.027      | 2040          | 2047        | 2051         | rBV8     | 44408          | 107514        | 1.36%           | 0.131%        |
| 24        | 15.263      | 2083          | 2087        | 2096         | rVB3     | 104140         | 197834        | 2.51%           | 0.242%        |
| 25        | 15.457      | 2116          | 2120        | 2131         | rVB2     | 98133          | 215709        | 2.74%           | 0.264%        |
| 26        | 15.669      | 2152          | 2156        | 2161         | rVB2     | 58754          | 87123         | 1.11%           | 0.107%        |
| 27        | 15.769      | 2167          | 2173        | 2180         | rBV2     | 349099         | 546881        | 6.94%           | 0.669%        |
| 28        | 15.904      | 2188          | 2196        | 2205         | rBV      | 1422989        | 2251679       | 28.57%          | 2.754%        |
| 29        | 16.121      | 2229          | 2233        | 2236         | rBV2     | 128600         | 205285        | 2.60%           | 0.251%        |
| 30        | 16.463      | 2285          | 2291        | 2295         | rBV6     | 50084          | 94014         | 1.19%           | 0.115%        |
| 31        | 16.563      | 2305          | 2308        | 2313         | rBV3     | 80191          | 120257        | 1.53%           | 0.147%        |
| 32        | 16.657      | 2321          | 2324        | 2328         | rBV      | 83620          | 138380        | 1.76%           | 0.169%        |
| 33        | 16.733      | 2334          | 2337        | 2346         | rVB4     | 58169          | 94396         | 1.20%           | 0.115%        |
| 34        | 16.816      | 2348          | 2351        | 2357         | rVB3     | 56211          | 88430         | 1.12%           | 0.108%        |
| 35        | 16.916      | 2364          | 2368        | 2373         | rVV      | 98478          | 123996        | 1.57%           | 0.152%        |
| 36        | 16.974      | 2373          | 2378        | 2387         | rVB2     | 139375         | 254791        | 3.23%           | 0.312%        |

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 Sample : Q1853-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-02-04222025

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-BM040825.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 17.151 | 2403 | 2408 | 2412 | rBV  | 2023799 | 2902921 | 36.83%  | 3.550% |
| 38 | 17.198 | 2412 | 2416 | 2427 | rVV  | 1591544 | 2332240 | 29.59%  | 2.852% |
| 39 | 17.286 | 2427 | 2431 | 2437 | rVB  | 455217  | 649124  | 8.24%   | 0.794% |
| 40 | 17.563 | 2474 | 2478 | 2487 | rBV  | 112145  | 209679  | 2.66%   | 0.256% |
| 41 | 17.651 | 2490 | 2493 | 2503 | rVB2 | 92888   | 196523  | 2.49%   | 0.240% |
| 42 | 17.739 | 2504 | 2508 | 2516 | rVB3 | 77596   | 137182  | 1.74%   | 0.168% |
| 43 | 17.939 | 2536 | 2542 | 2548 | rBV3 | 193891  | 504312  | 6.40%   | 0.617% |
| 44 | 18.051 | 2558 | 2561 | 2564 | rBV  | 384293  | 421705  | 5.35%   | 0.516% |
| 45 | 18.162 | 2576 | 2580 | 2585 | rVB  | 164043  | 218702  | 2.78%   | 0.267% |
| 46 | 18.227 | 2585 | 2591 | 2595 | rVV2 | 491781  | 955537  | 12.12%  | 1.169% |
| 47 | 18.262 | 2595 | 2597 | 2602 | rVB  | 254872  | 298194  | 3.78%   | 0.365% |
| 48 | 18.345 | 2607 | 2611 | 2615 | rBV3 | 125564  | 171510  | 2.18%   | 0.210% |
| 49 | 18.533 | 2639 | 2643 | 2647 | rBV  | 223721  | 288239  | 3.66%   | 0.353% |
| 50 | 18.580 | 2647 | 2651 | 2657 | rVB2 | 213539  | 308252  | 3.91%   | 0.377% |
| 51 | 18.833 | 2691 | 2694 | 2697 | rVB  | 88512   | 98059   | 1.24%   | 0.120% |
| 52 | 18.951 | 2710 | 2714 | 2717 | rBV  | 255411  | 375258  | 4.76%   | 0.459% |
| 53 | 19.098 | 2735 | 2739 | 2744 | rBV2 | 190091  | 308476  | 3.91%   | 0.377% |
| 54 | 19.215 | 2753 | 2759 | 2765 | rBV  | 5525602 | 7151307 | 90.74%  | 8.747% |
| 55 | 19.368 | 2782 | 2785 | 2789 | rVB  | 267310  | 327059  | 4.15%   | 0.400% |
| 56 | 19.457 | 2798 | 2800 | 2803 | rBV  | 101736  | 126176  | 1.60%   | 0.154% |
| 57 | 19.580 | 2811 | 2821 | 2829 | rBV  | 4762554 | 7211606 | 91.51%  | 8.820% |
| 58 | 19.651 | 2830 | 2833 | 2839 | rVV2 | 182836  | 275346  | 3.49%   | 0.337% |
| 59 | 19.780 | 2849 | 2855 | 2859 | rVB  | 3521893 | 4095115 | 51.96%  | 5.009% |
| 60 | 19.904 | 2871 | 2876 | 2883 | rBV2 | 295738  | 735873  | 9.34%   | 0.900% |
| 61 | 20.039 | 2895 | 2899 | 2901 | rBV3 | 256381  | 416228  | 5.28%   | 0.509% |
| 62 | 20.074 | 2902 | 2905 | 2911 | rVB  | 707100  | 1002697 | 12.72%  | 1.226% |
| 63 | 20.174 | 2919 | 2922 | 2926 | rVB2 | 406794  | 436418  | 5.54%   | 0.534% |
| 64 | 20.233 | 2929 | 2932 | 2936 | rVB2 | 414951  | 534773  | 6.79%   | 0.654% |
| 65 | 20.374 | 2953 | 2956 | 2959 | rBV  | 252427  | 292062  | 3.71%   | 0.357% |
| 66 | 20.421 | 2961 | 2964 | 2967 | rVB  | 262976  | 313391  | 3.98%   | 0.383% |
| 67 | 20.827 | 3030 | 3033 | 3040 | rVB  | 383511  | 525741  | 6.67%   | 0.643% |
| 68 | 20.998 | 3059 | 3062 | 3066 | rVB3 | 299509  | 382819  | 4.86%   | 0.468% |
| 69 | 21.039 | 3066 | 3069 | 3072 | rVV  | 334315  | 394980  | 5.01%   | 0.483% |
| 70 | 21.080 | 3073 | 3076 | 3082 | rVB3 | 398510  | 701027  | 8.90%   | 0.857% |
| 71 | 21.392 | 3122 | 3129 | 3134 | rBV2 | 3381795 | 7881006 | 100.00% | 9.639% |
| 72 | 21.439 | 3134 | 3137 | 3149 | rVB  | 2273836 | 3404417 | 43.20%  | 4.164% |
| 73 | 21.586 | 3158 | 3162 | 3168 | rBV  | 348996  | 554492  | 7.04%   | 0.678% |
| 74 | 23.456 | 3473 | 3480 | 3487 | rBV  | 1793694 | 5168457 | 65.58%  | 6.321% |
| 75 | 24.121 | 3588 | 3593 | 3606 | rVB  | 1040324 | 2622808 | 33.28%  | 3.208% |
| 76 | 24.262 | 3610 | 3617 | 3629 | rVB  | 1548319 | 3778460 | 47.94%  | 4.621% |

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Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

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-BM040825.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |         |         |        |        |
|----|--------|------|------|------|-----|---------|---------|--------|--------|
| 77 | 24.397 | 3634 | 3640 | 3647 | rBV | 1276301 | 2925814 | 37.12% | 3.578% |
|----|--------|------|------|------|-----|---------|---------|--------|--------|

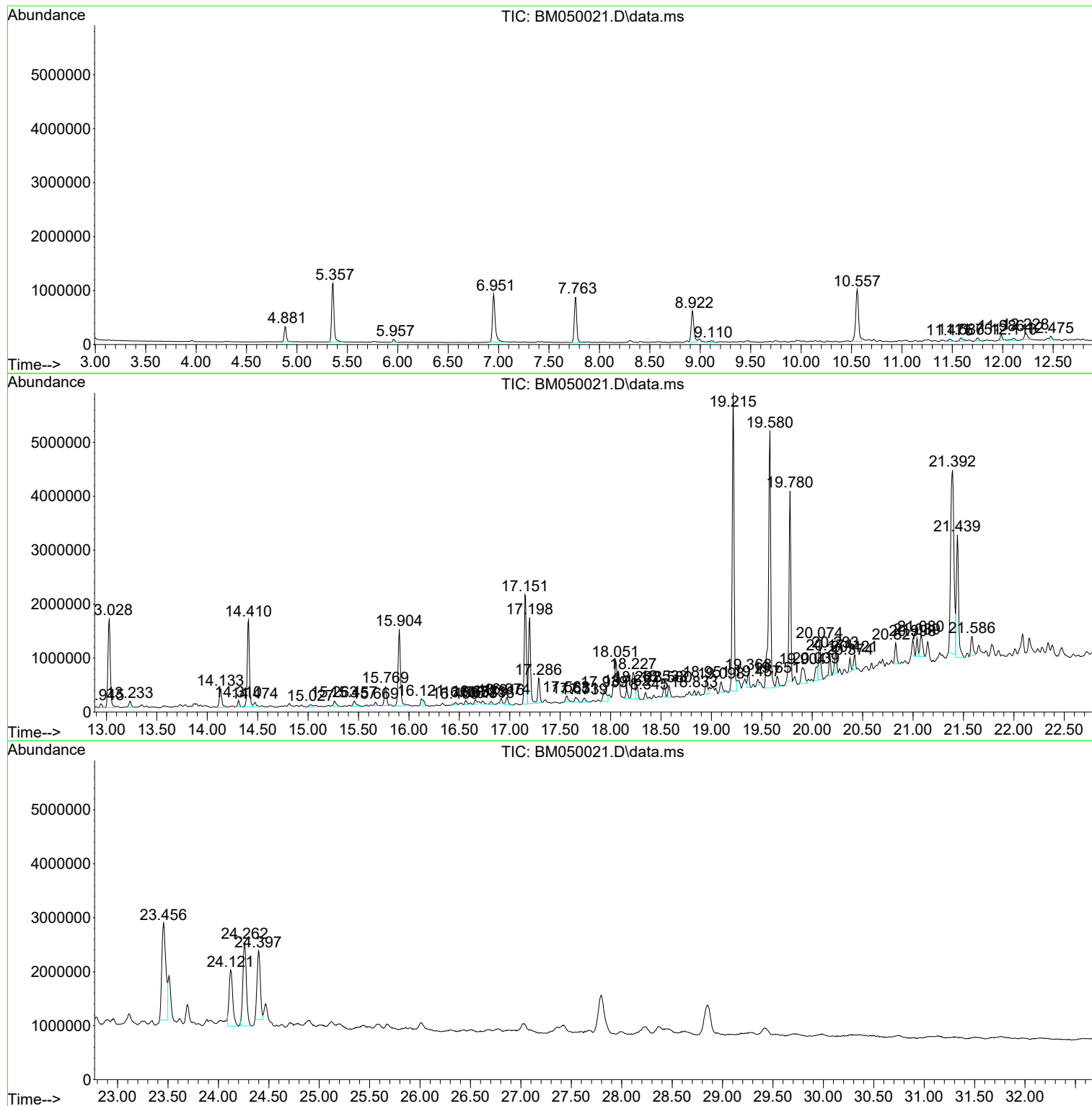
Sum of corrected areas: 81761340

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.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\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

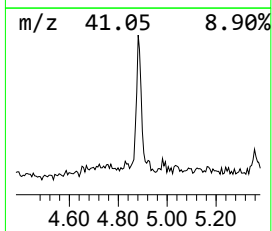
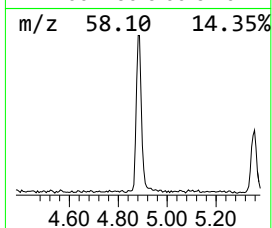
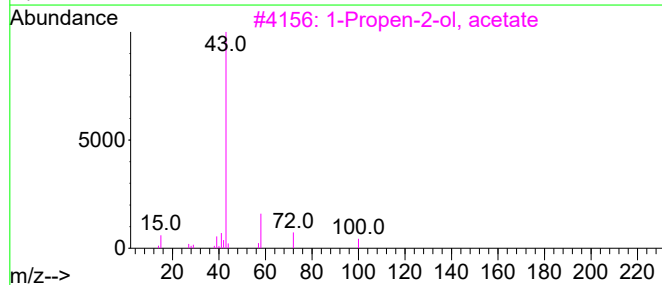
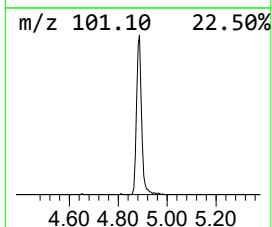
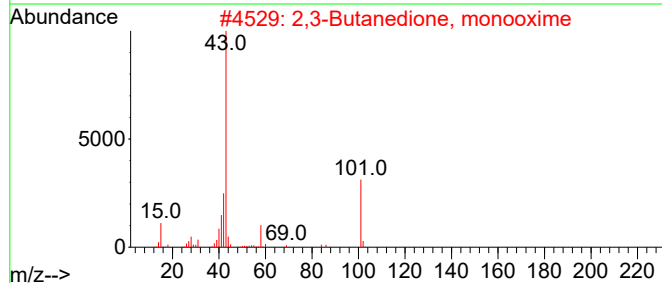
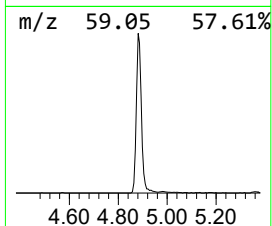
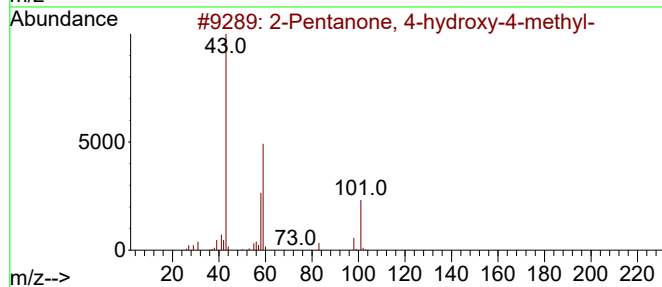
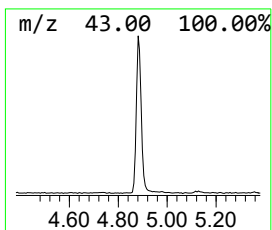
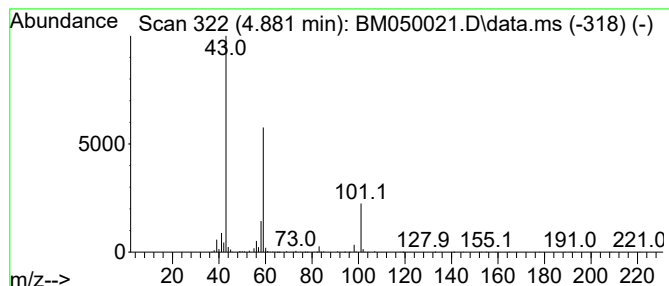
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|-------|---------|--------|------------------------|-------|
| 4.881 | 5.92 ng | 405482 | 1,4-Dichlorobenzene-d4 | 7.763 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 72      |      |      |
| 2    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2      | 000057-71-6 | 25      |      |      |
| 3    | 1-Propen-2-ol, acetate           | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |
| 4    | Butane, 1-ethoxy-                | 102 | C6H14O       | 000628-81-9 | 9       |      |      |
| 5    | Morpholine, 4-methyl-            | 101 | C5H11NO      | 000109-02-4 | 9       |      |      |



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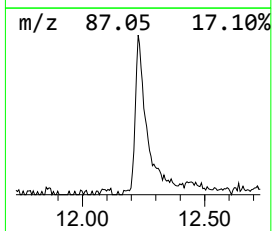
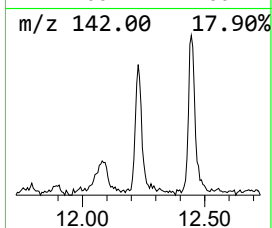
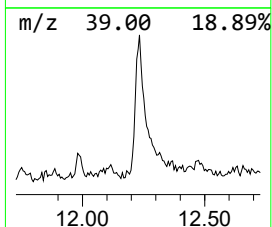
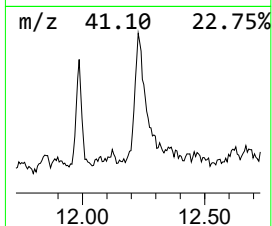
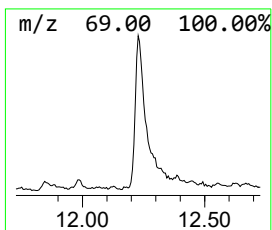
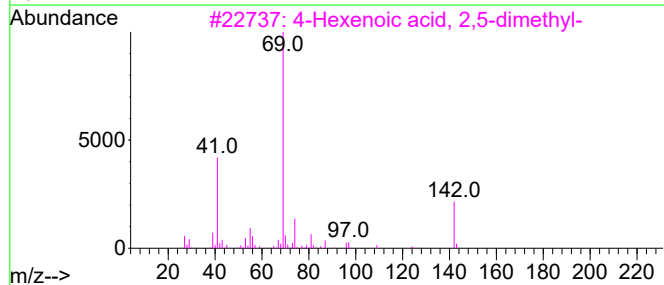
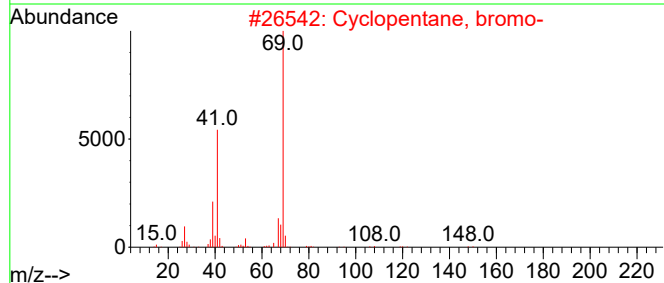
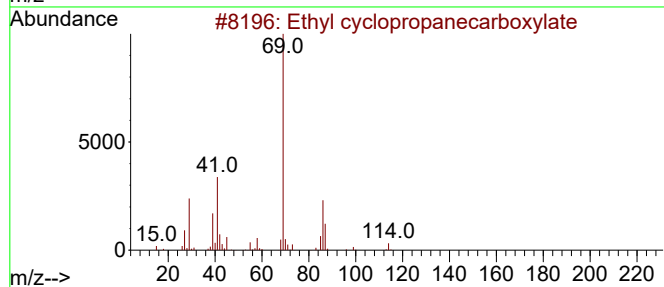
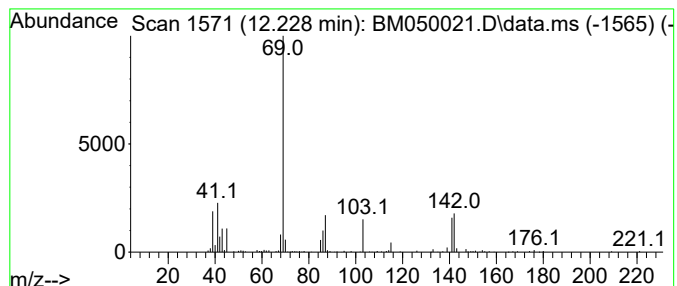
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown12.228 Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.228 | 2.89 ng | 271046 | Naphthalene-d8   | 10.557 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|---|--------------------------------|-----|------------|-------------|------|
| 1    |    |   | Ethyl cyclopropanecarboxylate  | 114 | C6H10O2    | 004606-07-9 | 33   |
| 2    |    |   | Cyclopentane, bromo-           | 148 | C5H9Br     | 000137-43-9 | 23   |
| 3    |    |   | 4-Hexenoic acid, 2,5-dimethyl- | 142 | C8H14O2    | 082898-13-3 | 9    |
| 4    |    |   | 5-Bromo-1-pentanol, TMS        | 238 | C8H19BrOSi | 018294-13-8 | 9    |
| 5    |    |   | Vinyl crotonate                | 112 | C6H8O2     | 014861-06-4 | 9    |



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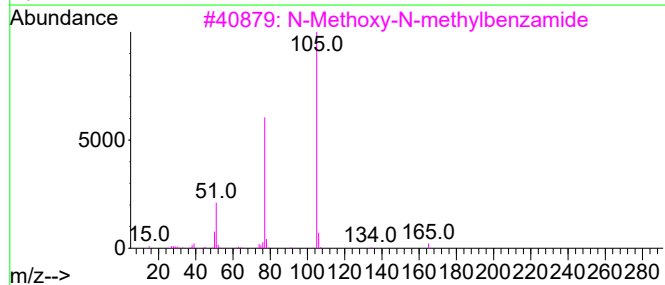
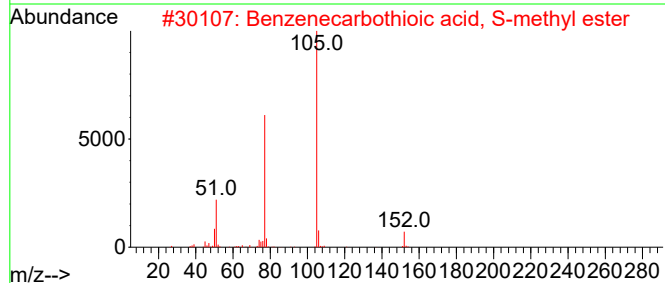
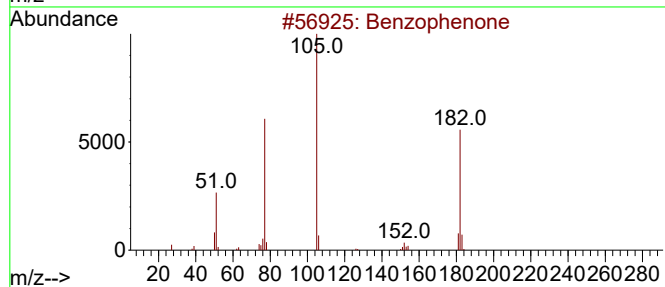
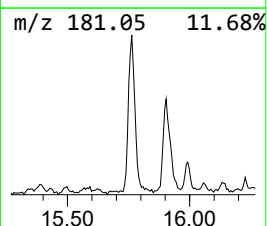
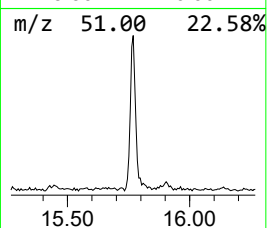
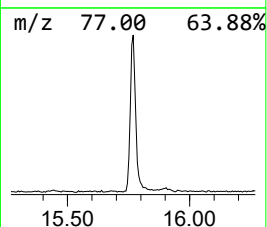
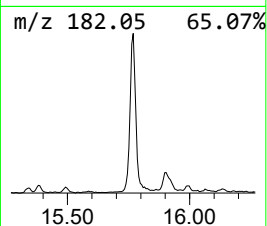
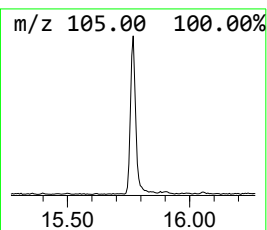
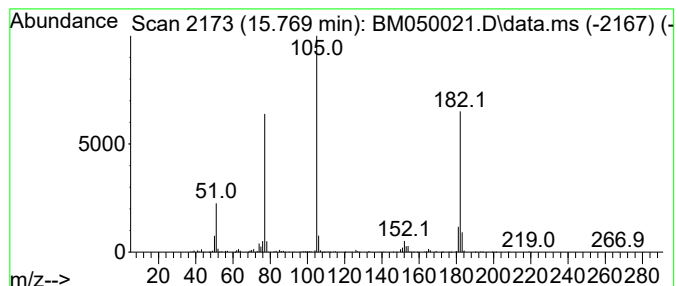
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Benzophenone Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.769 | 4.44 ng | 546881 | Acenaphthene-d10 | 14.410 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 49   |
| 3    |    |   | N-Methoxy-N-methylbenzamide         | 165 | C9H11NO2 | 006919-61-5 | 49   |
| 4    |    |   | Vinyl benzoate                      | 148 | C9H8O2   | 000769-78-8 | 46   |
| 5    |    |   | Benzoylformic acid                  | 150 | C8H6O3   | 000611-73-4 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

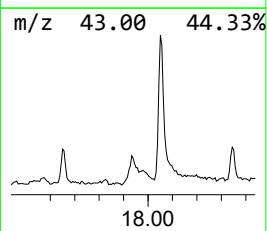
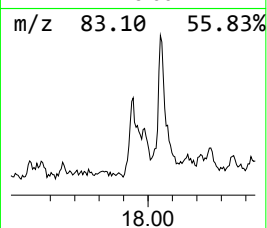
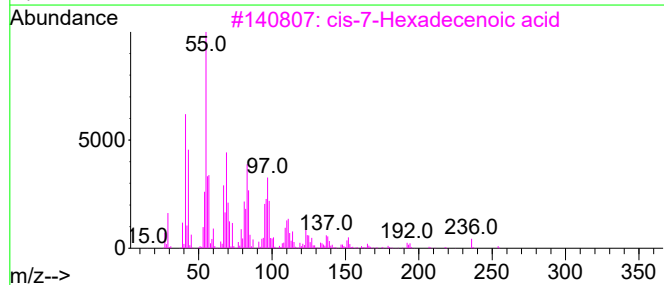
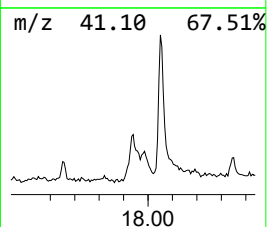
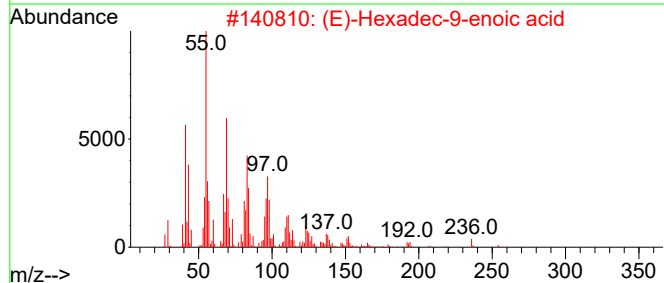
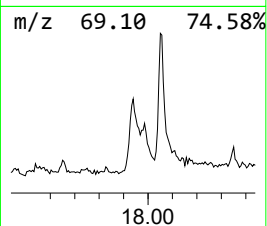
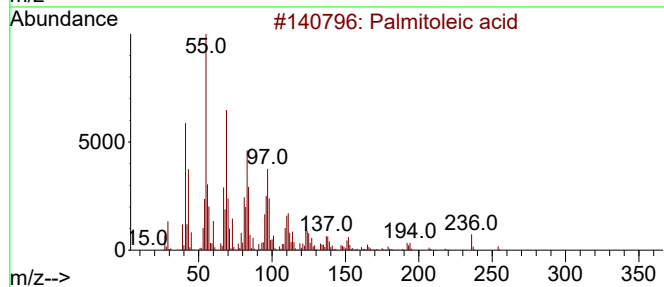
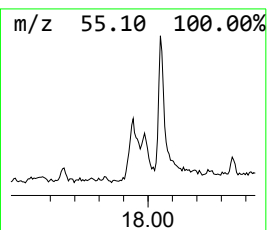
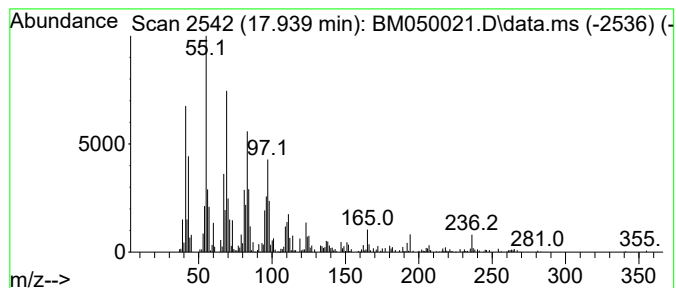
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Palmitoleic acid Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.939 | 3.47 ng | 504312 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Palmitoleic acid                    | 254 | C16H30O2 | 000373-49-9 | 99   |
| 2    |    |   | (E)-Hexadec-9-enoic acid            | 254 | C16H30O2 | 010030-73-6 | 99   |
| 3    |    |   | cis-7-Hexadecenoic acid             | 254 | C16H30O2 | 002416-19-5 | 95   |
| 4    |    |   | 14-Methylpentadec-6-enoic acid      | 254 | C16H30O2 | 127486-79-7 | 93   |
| 5    |    |   | 6-Pentadecenoic acid, 13-methyl-... | 254 | C16H30O2 | 682751-34-4 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

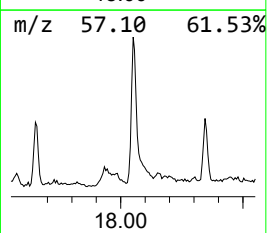
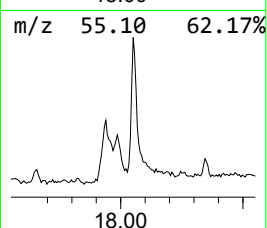
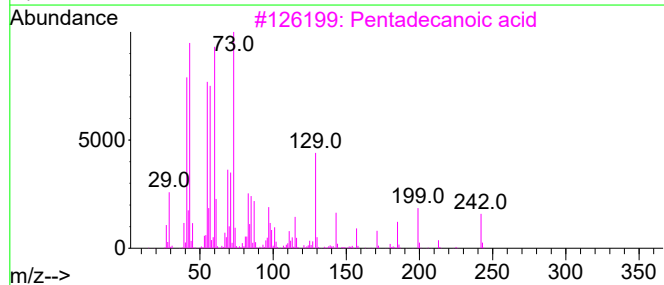
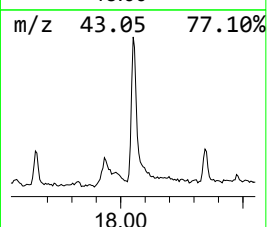
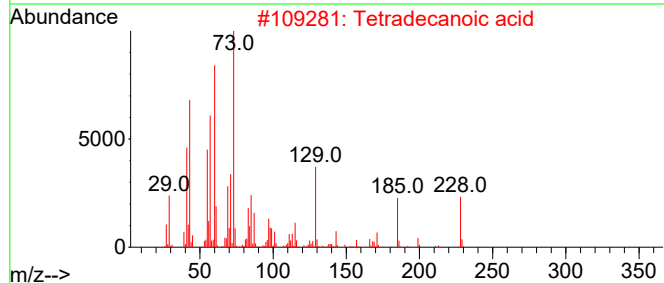
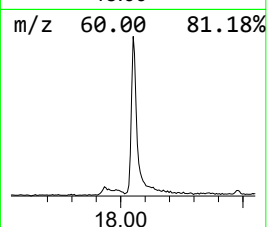
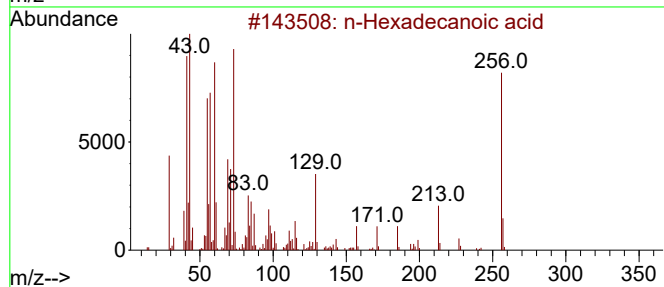
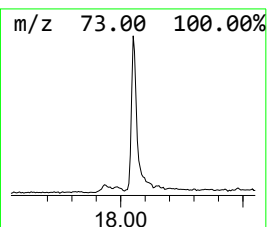
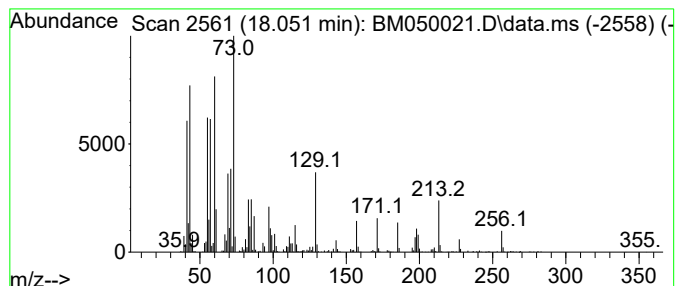
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.051 | 2.91 ng | 421705 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 94   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

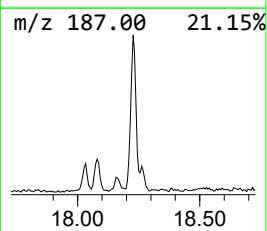
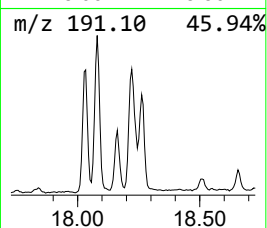
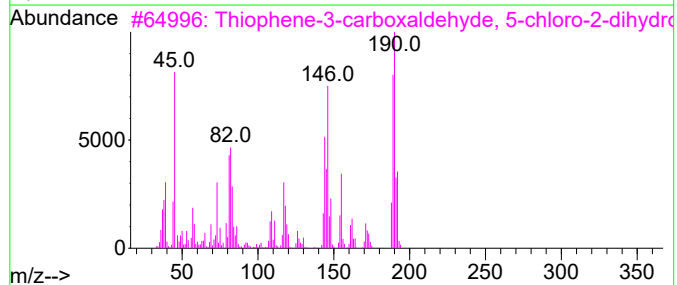
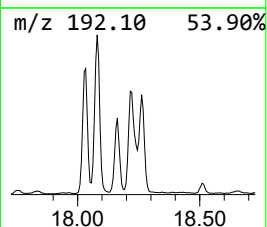
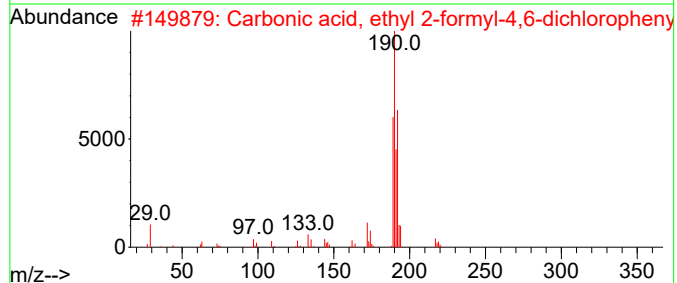
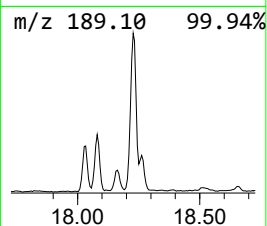
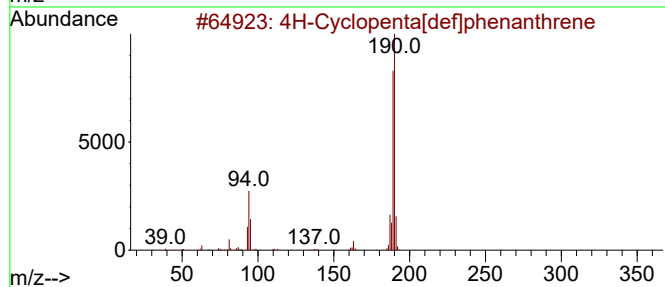
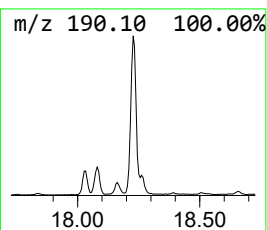
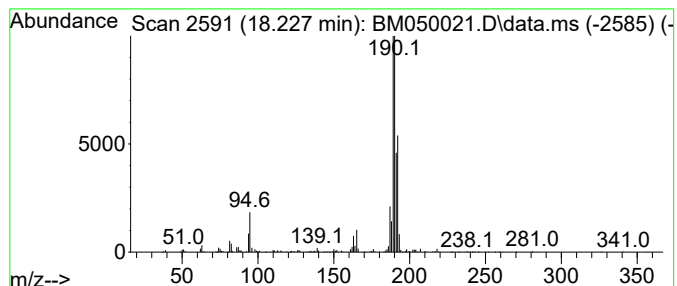
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.227 | 6.58 ng | 955537 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5  | 93   |
| 2    |    |   | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50   |
| 3    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0  | 50   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12     | 000613-12-7  | 25   |
| 5    |    |   | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12     | 014251-57-1  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

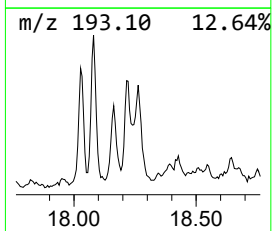
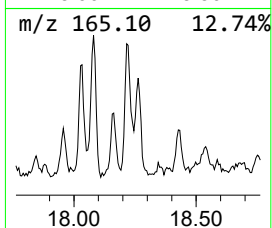
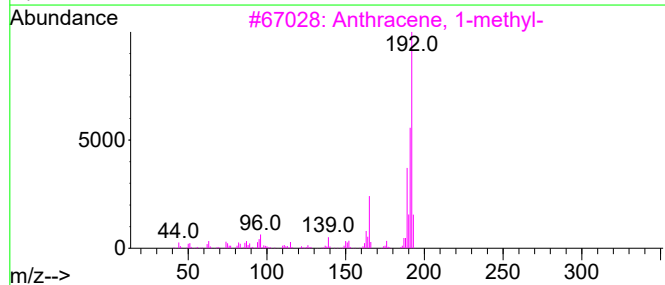
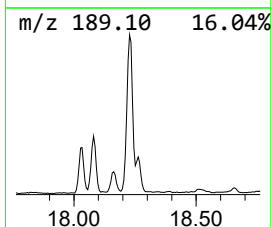
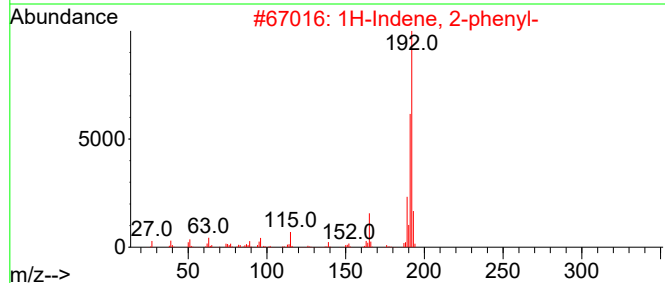
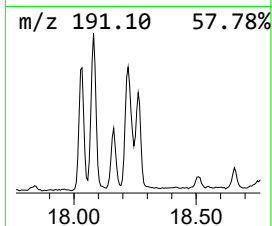
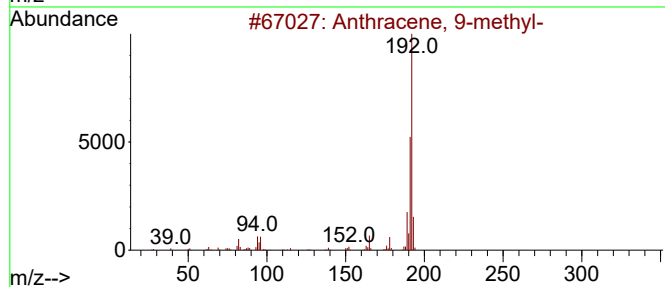
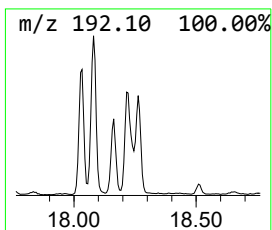
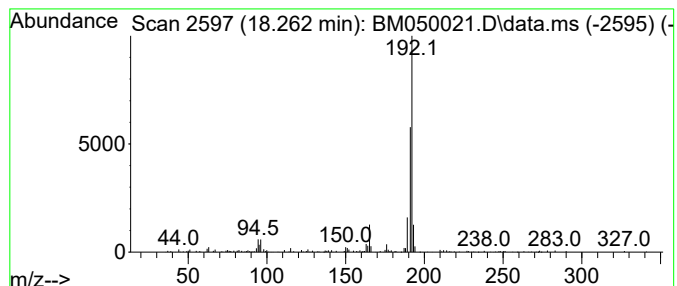
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Anthracene, 9-methyl- Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.262 | 2.05 ng | 298194 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 93   |
| 2    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 90   |
| 3    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 87   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 87   |
| 5    |    |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

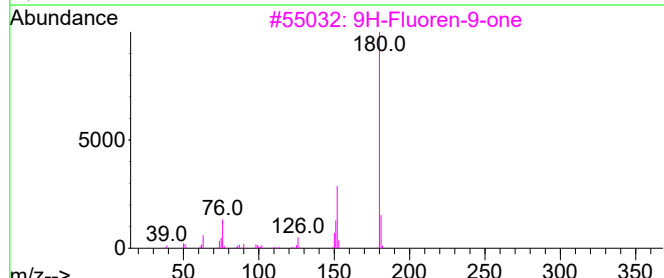
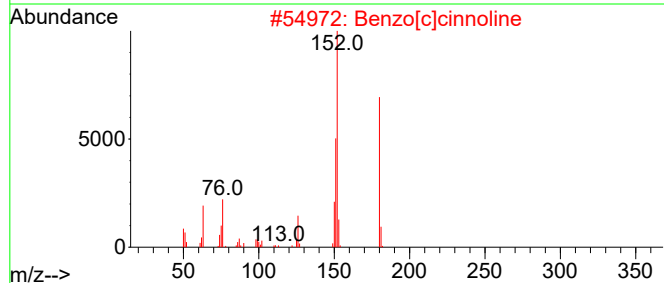
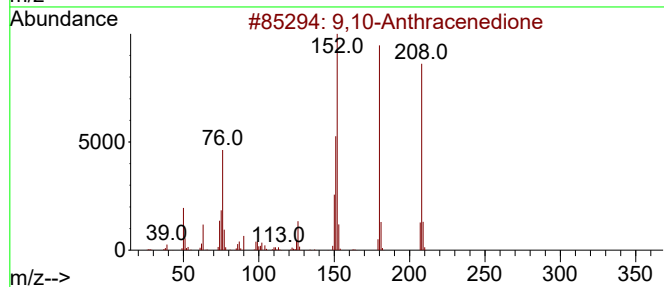
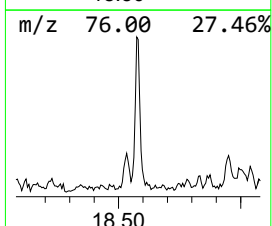
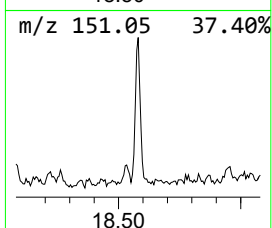
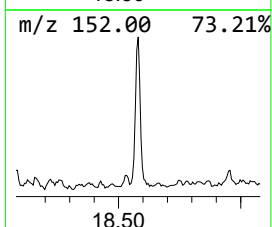
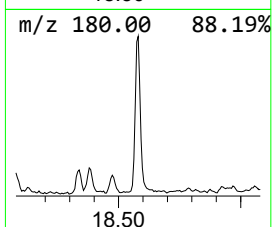
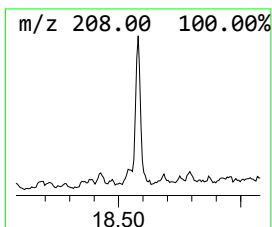
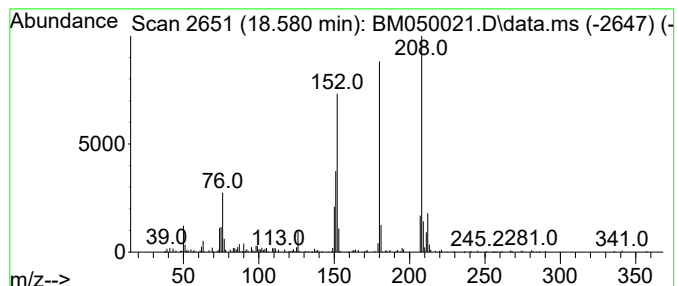
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 9,10-Anthracenedione Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.580 | 2.12 ng | 308252 | Phenanthrene-d10 | 17.151 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98   |
| 2    |      | Benzo[c]cinnoline    | 180 | C12H8N2 | 000230-17-1 | 83   |
| 3    |      | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 78   |
| 4    |      | 1,4-Anthracenedione  | 208 | C14H8O2 | 000635-12-1 | 58   |
| 5    |      | 1H-Phenalen-1-one    | 180 | C13H8O  | 000548-39-0 | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

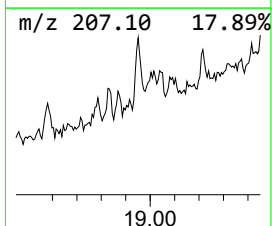
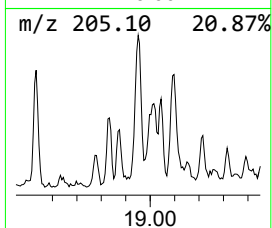
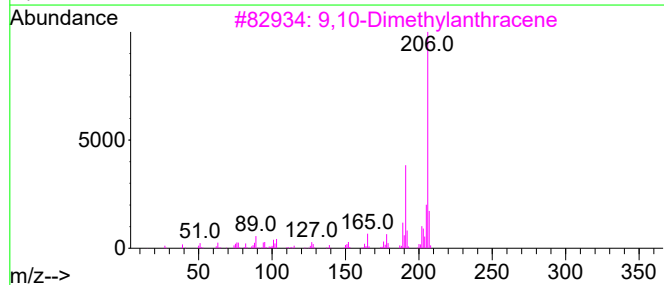
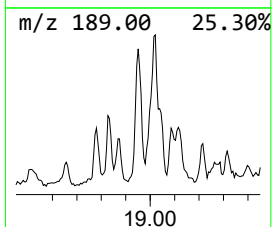
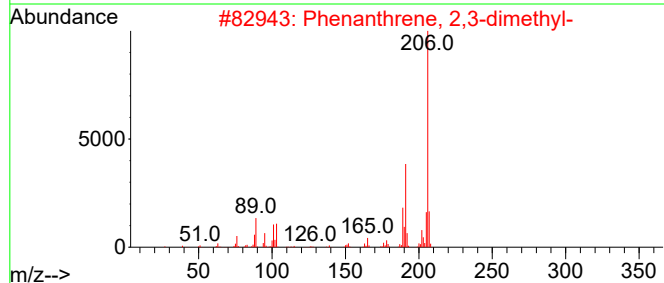
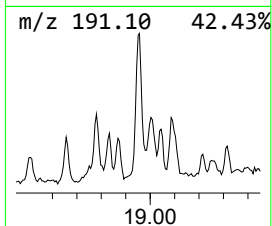
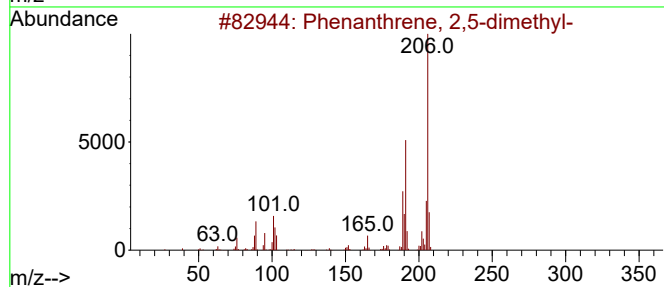
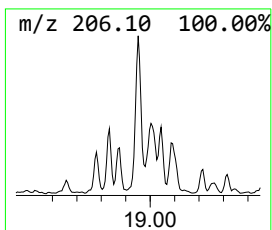
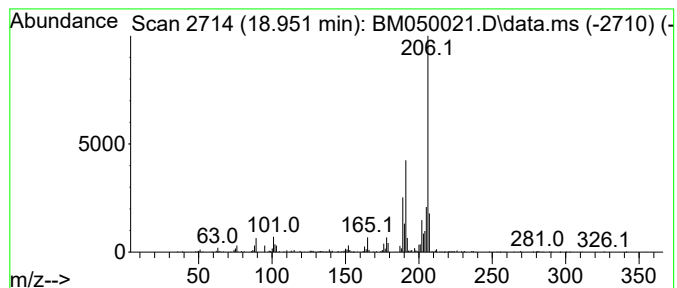
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.951 | 2.59 ng | 375258 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6  | 96   |
| 2    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5  | 93   |
| 3    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1  | 91   |
| 4    |    |   | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 90   |
| 5    |    |   | Phenanthrene, 2,7-dimethyl- | 206 | C16H14  | 001576-69-8  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

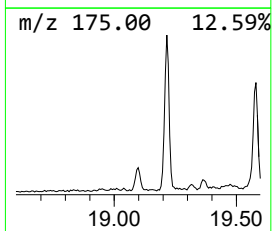
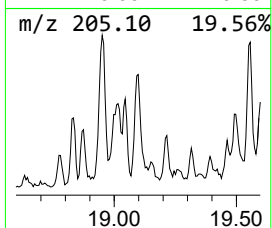
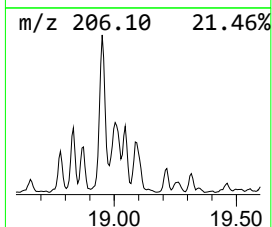
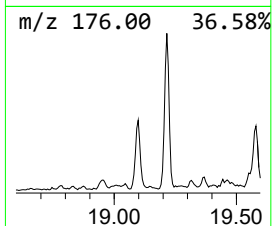
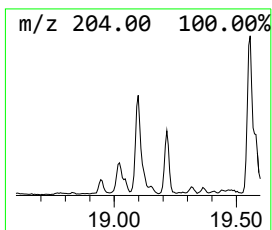
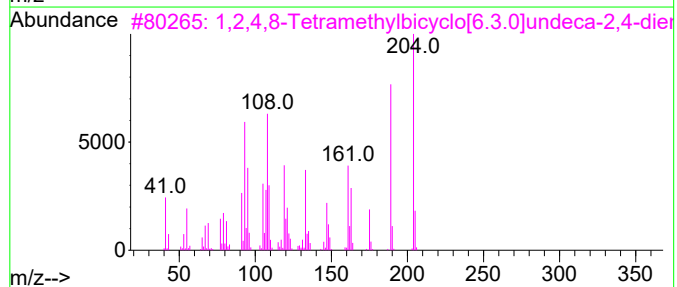
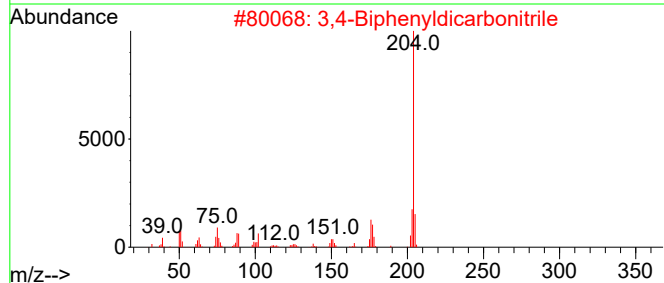
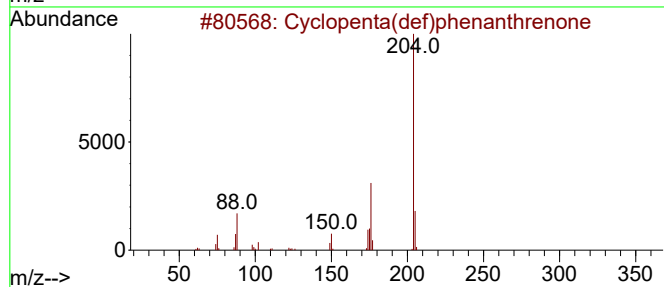
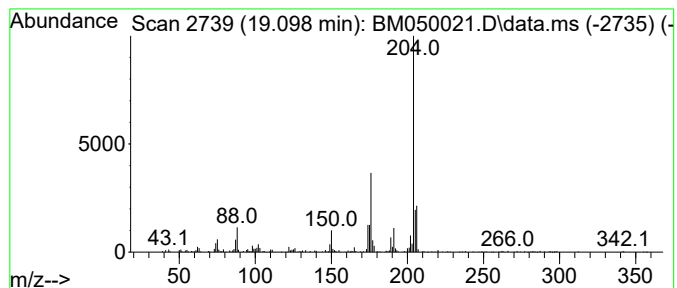
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.098 | 2.13 ng | 308476 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrenone                       | 204 | C15H8O    | 005737-13-3  | 94   |
| 2    |    |   | 3,4-Biphenyldicarbonitrile                          | 204 | C14H8N2   | 004128-63-6  | 59   |
| 3    |    |   | 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene   | 204 | C15H24    | 137235-51-9  | 46   |
| 4    |    |   | 1-[3-(3,3-Dimethyl-but-1-ynyl)-2-phenyl]propan-1-ol | 219 | C15H25N   | 1000275-17-2 | 43   |
| 5    |    |   | Quinoline, 8-methoxy-5-nitro-                       | 204 | C10H8N2O3 | 1000298-88-7 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

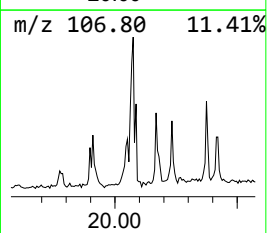
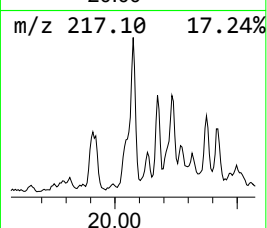
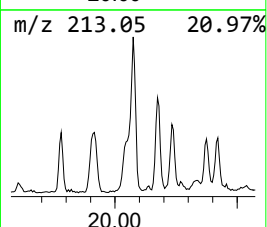
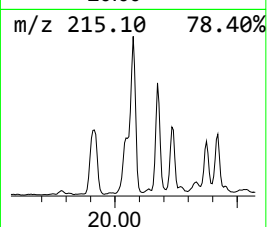
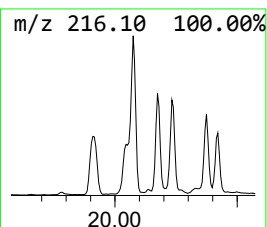
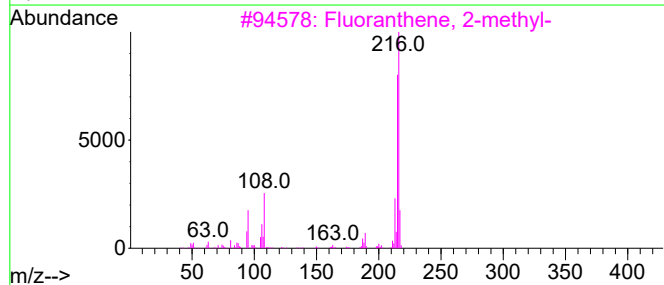
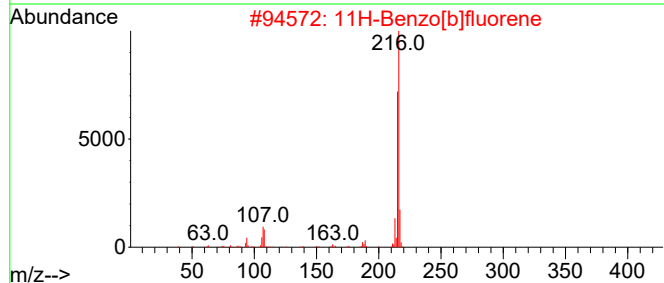
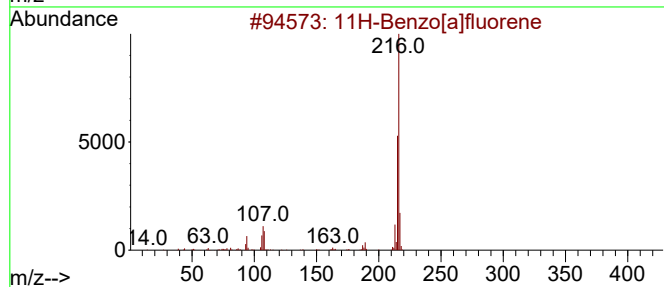
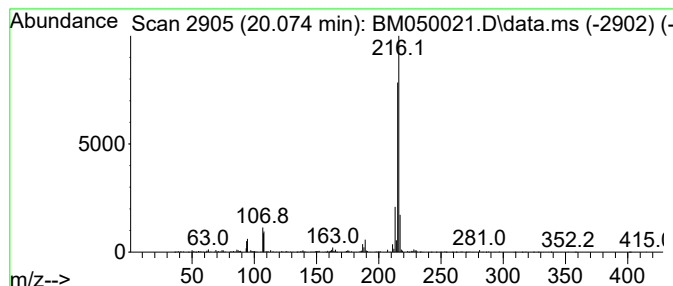
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 9

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 20.074 | 2.54 ng | 1002700 | Chrysene-d12     | 21.398 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 93   |
| 2    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 93   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 90   |
| 4    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 83   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

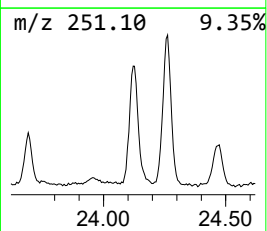
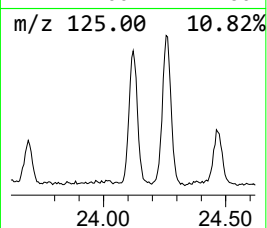
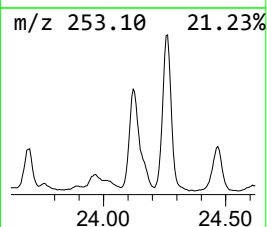
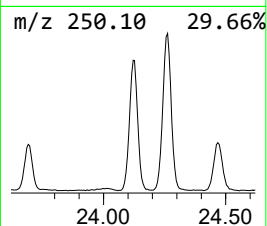
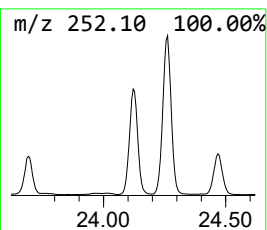
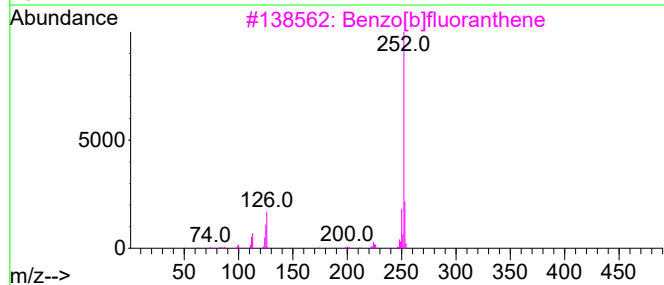
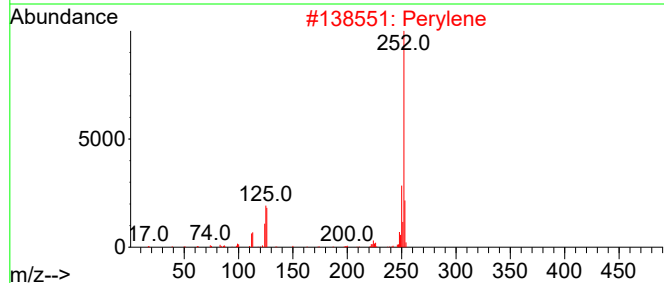
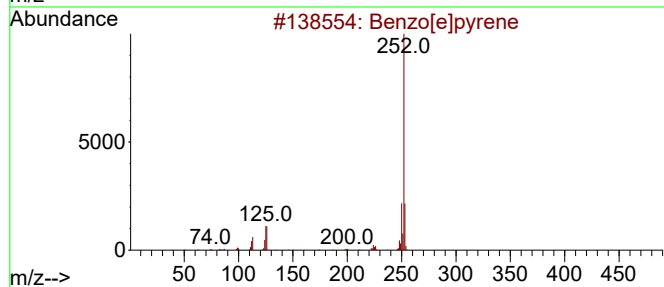
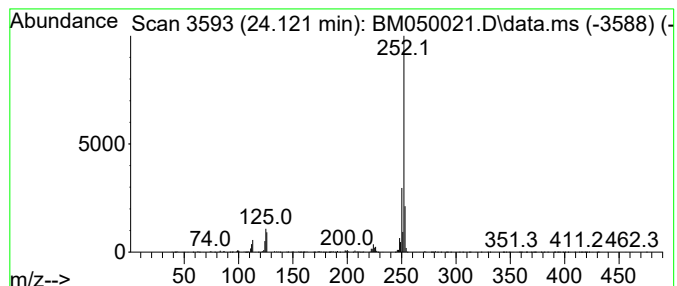
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 24.121 | 17.93 ng | 2622810 | Perylene-d12     | 24.397 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 96   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 94   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042325\  
Data File : BM050021.D  
Acq On : 23 Apr 2025 19:50  
Operator : RC/JU  
Sample : Q1853-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-04222025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.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 |
| 2-Pentanone, 4-...  | 4.881  | 5.9     | ng    | 405482   | 1                     | 7.763  | 1369860 | 20.0 |
| unknown12.228       | 12.228 | 2.9     | ng    | 271046   | 2                     | 10.557 | 1874400 | 20.0 |
| Benzophenone        | 15.769 | 4.4     | ng    | 546881   | 3                     | 14.410 | 2461080 | 20.0 |
| Palmitoleic acid    | 17.939 | 3.5     | ng    | 504312   | 4                     | 17.151 | 2902920 | 20.0 |
| n-Hexadecanoic ...  | 18.051 | 2.9     | ng    | 421705   | 4                     | 17.151 | 2902920 | 20.0 |
| 4H-Cyclopenta[d]... | 18.227 | 6.6     | ng    | 955537   | 4                     | 17.151 | 2902920 | 20.0 |
| Anthracene, 9-m...  | 18.262 | 2.0     | ng    | 298194   | 4                     | 17.151 | 2902920 | 20.0 |
| 9,10-Anthracene...  | 18.580 | 2.1     | ng    | 308252   | 4                     | 17.151 | 2902920 | 20.0 |
| Phenanthrene, 2...  | 18.951 | 2.6     | ng    | 375258   | 4                     | 17.151 | 2902920 | 20.0 |
| Cyclopenta(def)...  | 19.098 | 2.1     | ng    | 308476   | 4                     | 17.151 | 2902920 | 20.0 |
| 11H-Benzo[a]flu...  | 20.074 | 2.5     | ng    | 1002700  | 5                     | 21.398 | 7881010 | 20.0 |
| Benzo[e]pyrene      | 24.121 | 17.9    | ng    | 2622810  | 6                     | 24.397 | 2925810 | 20.0 |