

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
 Data File : BM049429.D  
 Acq On : 23 Jan 2025 22:01  
 Operator : RC/JU  
 Sample : Q1139-08DL2 30X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH5DL2

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % 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\SFAM-EPA-BM011325.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM049429.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         | 7.516       | 763           | 770         | 783          | rBV      | 848999         | 1324766       | 4.73%           | 1.467%        |
| 2         | 10.275      | 1232          | 1239        | 1244         | rBV      | 975445         | 1675224       | 5.98%           | 1.855%        |
| 3         | 10.328      | 1244          | 1248        | 1257         | rVB      | 265276         | 445589        | 1.59%           | 0.493%        |
| 4         | 11.945      | 1509          | 1523        | 1536         | rBV      | 511052         | 886823        | 3.17%           | 0.982%        |
| 5         | 12.175      | 1555          | 1562        | 1567         | rBV      | 37658          | 61150         | 0.22%           | 0.068%        |
| 6         | 12.980      | 1691          | 1699        | 1709         | rBV      | 210458         | 346937        | 1.24%           | 0.384%        |
| 7         | 13.180      | 1727          | 1733        | 1743         | rVB      | 26582          | 57659         | 0.21%           | 0.064%        |
| 8         | 13.316      | 1749          | 1756        | 1767         | rBV      | 93520          | 252137        | 0.90%           | 0.279%        |
| 9         | 13.474      | 1777          | 1783        | 1788         | rBV      | 66575          | 113857        | 0.41%           | 0.126%        |
| 10        | 13.527      | 1788          | 1792        | 1797         | rVV      | 47315          | 73116         | 0.26%           | 0.081%        |
| 11        | 13.580      | 1797          | 1801        | 1805         | rVB      | 33835          | 45637         | 0.16%           | 0.051%        |
| 12        | 13.716      | 1818          | 1824        | 1832         | rVB      | 170085         | 273786        | 0.98%           | 0.303%        |
| 13        | 13.845      | 1841          | 1846        | 1849         | rBV      | 43649          | 71789         | 0.26%           | 0.079%        |
| 14        | 13.874      | 1849          | 1851        | 1859         | rVB2     | 38955          | 55865         | 0.20%           | 0.062%        |
| 15        | 14.086      | 1882          | 1887        | 1890         | rBV      | 30908          | 40352         | 0.14%           | 0.045%        |
| 16        | 14.157      | 1892          | 1899        | 1904         | rVV      | 1500957        | 2126017       | 7.59%           | 2.354%        |
| 17        | 14.221      | 1904          | 1910        | 1919         | rVV      | 723026         | 1067384       | 3.81%           | 1.182%        |
| 18        | 14.374      | 1929          | 1936        | 1946         | rBV3     | 26086          | 75018         | 0.27%           | 0.083%        |
| 19        | 14.469      | 1946          | 1952        | 1958         | rVB2     | 40438          | 67160         | 0.24%           | 0.074%        |
| 20        | 14.557      | 1958          | 1967        | 1977         | rBV      | 1294199        | 1905407       | 6.80%           | 2.110%        |
| 21        | 14.639      | 1977          | 1981        | 1986         | rVV      | 42042          | 69154         | 0.25%           | 0.077%        |
| 22        | 14.710      | 1989          | 1993        | 2000         | rVV10    | 16302          | 28878         | 0.10%           | 0.032%        |
| 23        | 14.786      | 2000          | 2006        | 2010         | rVV4     | 29097          | 54492         | 0.19%           | 0.060%        |
| 24        | 14.839      | 2010          | 2015        | 2020         | rVB      | 65152          | 91599         | 0.33%           | 0.101%        |
| 25        | 14.957      | 2028          | 2035        | 2038         | rBV3     | 21575          | 41951         | 0.15%           | 0.046%        |
| 26        | 15.110      | 2057          | 2061        | 2065         | rBV6     | 19627          | 37723         | 0.13%           | 0.042%        |
| 27        | 15.157      | 2065          | 2069        | 2072         | rVB2     | 51492          | 66895         | 0.24%           | 0.074%        |
| 28        | 15.216      | 2072          | 2079        | 2085         | rBV      | 4389787        | 5962758       | 21.29%          | 6.602%        |
| 29        | 15.310      | 2091          | 2095        | 2096         | rBV3     | 22150          | 28053         | 0.10%           | 0.031%        |
| 30        | 15.339      | 2096          | 2100        | 2103         | rVV      | 61438          | 88515         | 0.32%           | 0.098%        |
| 31        | 15.374      | 2103          | 2106        | 2111         | rVB2     | 75653          | 101474        | 0.36%           | 0.112%        |
| 32        | 15.427      | 2111          | 2115        | 2116         | rBV3     | 28516          | 32315         | 0.12%           | 0.036%        |
| 33        | 15.463      | 2116          | 2121        | 2125         | rVV      | 237316         | 339365        | 1.21%           | 0.376%        |
| 34        | 15.510      | 2125          | 2129        | 2139         | rVB2     | 103527         | 209848        | 0.75%           | 0.232%        |
| 35        | 15.627      | 2140          | 2149        | 2151         | rBV      | 88487          | 146812        | 0.52%           | 0.163%        |
| 36        | 15.657      | 2151          | 2154        | 2162         | rVB      | 139615         | 285722        | 1.02%           | 0.316%        |

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 Sample : Q1139-08DL2 30X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH5DL2

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % 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\SFAM-EPA-BM011325.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 37 | 15.745 | 2162 | 2169 | 2175 | rVB5 | 26420    | 55941    | 0.20%   | 0.062%  |
| 38 | 15.892 | 2189 | 2194 | 2199 | rVV5 | 49039    | 108366   | 0.39%   | 0.120%  |
| 39 | 16.010 | 2209 | 2214 | 2221 | rBV2 | 77668    | 141340   | 0.50%   | 0.157%  |
| 40 | 16.221 | 2243 | 2250 | 2254 | rVV  | 98867    | 186713   | 0.67%   | 0.207%  |
| 41 | 16.268 | 2254 | 2258 | 2263 | rVV2 | 76759    | 119026   | 0.42%   | 0.132%  |
| 42 | 16.363 | 2270 | 2274 | 2280 | rVB4 | 33523    | 62069    | 0.22%   | 0.069%  |
| 43 | 16.421 | 2280 | 2284 | 2287 | rBV3 | 32555    | 48737    | 0.17%   | 0.054%  |
| 44 | 16.492 | 2292 | 2296 | 2300 | rVB5 | 27743    | 40388    | 0.14%   | 0.045%  |
| 45 | 16.568 | 2306 | 2309 | 2318 | rVB6 | 35210    | 54790    | 0.20%   | 0.061%  |
| 46 | 16.662 | 2318 | 2325 | 2329 | rBV2 | 60555    | 129614   | 0.46%   | 0.144%  |
| 47 | 16.727 | 2329 | 2336 | 2347 | rVB  | 414758   | 695187   | 2.48%   | 0.770%  |
| 48 | 16.910 | 2361 | 2367 | 2370 | rBV  | 1670904  | 2426741  | 8.66%   | 2.687%  |
| 49 | 16.957 | 2370 | 2375 | 2380 | rVV  | 9616088  | 13164809 | 47.00%  | 14.577% |
| 50 | 17.051 | 2381 | 2391 | 2396 | rVV  | 18352940 | 28011264 | 100.00% | 31.016% |
| 51 | 17.104 | 2397 | 2400 | 2408 | rVV  | 152056   | 256913   | 0.92%   | 0.284%  |
| 52 | 17.180 | 2408 | 2413 | 2419 | rVB  | 211250   | 312930   | 1.12%   | 0.346%  |
| 53 | 17.321 | 2430 | 2437 | 2452 | rBV  | 6021612  | 8010337  | 28.60%  | 8.870%  |
| 54 | 17.433 | 2452 | 2456 | 2461 | rVV3 | 71681    | 112892   | 0.40%   | 0.125%  |
| 55 | 17.492 | 2461 | 2466 | 2476 | rVB  | 83589    | 149098   | 0.53%   | 0.165%  |
| 56 | 17.633 | 2485 | 2490 | 2500 | rBV2 | 40859    | 91244    | 0.33%   | 0.101%  |
| 57 | 17.786 | 2511 | 2516 | 2520 | rBV  | 130766   | 185854   | 0.66%   | 0.206%  |
| 58 | 17.833 | 2520 | 2524 | 2532 | rVB2 | 258829   | 343267   | 1.23%   | 0.380%  |
| 59 | 17.915 | 2532 | 2538 | 2543 | rBV  | 372541   | 526729   | 1.88%   | 0.583%  |
| 60 | 17.980 | 2543 | 2549 | 2552 | rVV  | 444521   | 694486   | 2.48%   | 0.769%  |
| 61 | 18.015 | 2552 | 2555 | 2563 | rVB  | 228143   | 321030   | 1.15%   | 0.355%  |
| 62 | 18.092 | 2563 | 2568 | 2572 | rBV  | 122680   | 183216   | 0.65%   | 0.203%  |
| 63 | 18.139 | 2572 | 2576 | 2580 | rVV  | 130464   | 188550   | 0.67%   | 0.209%  |
| 64 | 18.186 | 2580 | 2584 | 2589 | rVB2 | 57269    | 87086    | 0.31%   | 0.096%  |
| 65 | 18.292 | 2598 | 2602 | 2606 | rBV  | 102566   | 148989   | 0.53%   | 0.165%  |
| 66 | 18.333 | 2606 | 2609 | 2616 | rVB2 | 91175    | 131988   | 0.47%   | 0.146%  |
| 67 | 18.539 | 2642 | 2644 | 2649 | rVV2 | 35953    | 46471    | 0.17%   | 0.051%  |
| 68 | 18.592 | 2649 | 2653 | 2656 | rVV2 | 33577    | 51411    | 0.18%   | 0.057%  |
| 69 | 18.627 | 2657 | 2659 | 2663 | rVB2 | 31364    | 39333    | 0.14%   | 0.044%  |
| 70 | 18.715 | 2669 | 2674 | 2678 | rBV  | 61969    | 96055    | 0.34%   | 0.106%  |
| 71 | 18.774 | 2679 | 2684 | 2688 | rBV5 | 55404    | 90380    | 0.32%   | 0.100%  |
| 72 | 18.856 | 2693 | 2698 | 2700 | rBV4 | 32455    | 53040    | 0.19%   | 0.059%  |
| 73 | 18.974 | 2712 | 2718 | 2727 | rBV  | 2594022  | 3401883  | 12.14%  | 3.767%  |
| 74 | 19.045 | 2727 | 2730 | 2733 | rVV3 | 33763    | 47923    | 0.17%   | 0.053%  |
| 75 | 19.080 | 2733 | 2736 | 2740 | rVV4 | 28750    | 40697    | 0.15%   | 0.045%  |
| 76 | 19.127 | 2740 | 2744 | 2748 | rVB3 | 17677    | 28620    | 0.10%   | 0.032%  |

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 Sample : Q1139-08DL2 30X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH5DL2

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % 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\SFAM-EPA-BM011325.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 19.221 | 2756 | 2760 | 2765 | rVB  | 47052   | 66255   | 0.24%  | 0.073% |
| 78 | 19.339 | 2770 | 2780 | 2789 | rBV2 | 1281669 | 2261217 | 8.07%  | 2.504% |
| 79 | 19.415 | 2790 | 2793 | 2801 | rVB2 | 51977   | 90564   | 0.32%  | 0.100% |
| 80 | 19.527 | 2808 | 2812 | 2817 | rBV  | 89588   | 118739  | 0.42%  | 0.131% |
| 81 | 19.674 | 2831 | 2837 | 2844 | rBV3 | 64862   | 170003  | 0.61%  | 0.188% |
| 82 | 19.845 | 2856 | 2866 | 2871 | rVB  | 240324  | 418970  | 1.50%  | 0.464% |
| 83 | 19.945 | 2879 | 2883 | 2887 | rBV  | 254799  | 301447  | 1.08%  | 0.334% |
| 84 | 20.003 | 2889 | 2893 | 2896 | rVV3 | 76475   | 117160  | 0.42%  | 0.130% |
| 85 | 20.039 | 2897 | 2899 | 2903 | rVB  | 34480   | 39058   | 0.14%  | 0.043% |
| 86 | 20.139 | 2913 | 2916 | 2920 | rBV  | 32592   | 42956   | 0.15%  | 0.048% |
| 87 | 20.186 | 2921 | 2924 | 2929 | rBV3 | 33791   | 51452   | 0.18%  | 0.057% |
| 88 | 20.762 | 3018 | 3022 | 3025 | rBV  | 85542   | 105256  | 0.38%  | 0.117% |
| 89 | 20.803 | 3026 | 3029 | 3032 | rVV  | 56805   | 68559   | 0.24%  | 0.076% |
| 90 | 20.839 | 3032 | 3035 | 3042 | rVB2 | 44931   | 76214   | 0.27%  | 0.084% |
| 91 | 21.133 | 3078 | 3085 | 3090 | rBV2 | 2106104 | 3320431 | 11.85% | 3.677% |
| 92 | 21.174 | 3090 | 3092 | 3100 | rVB  | 474990  | 625709  | 2.23%  | 0.693% |
| 93 | 23.044 | 3405 | 3410 | 3416 | rBV  | 145280  | 343971  | 1.23%  | 0.381% |
| 94 | 23.915 | 3550 | 3558 | 3575 | rVB  | 1133935 | 2657825 | 9.49%  | 2.943% |

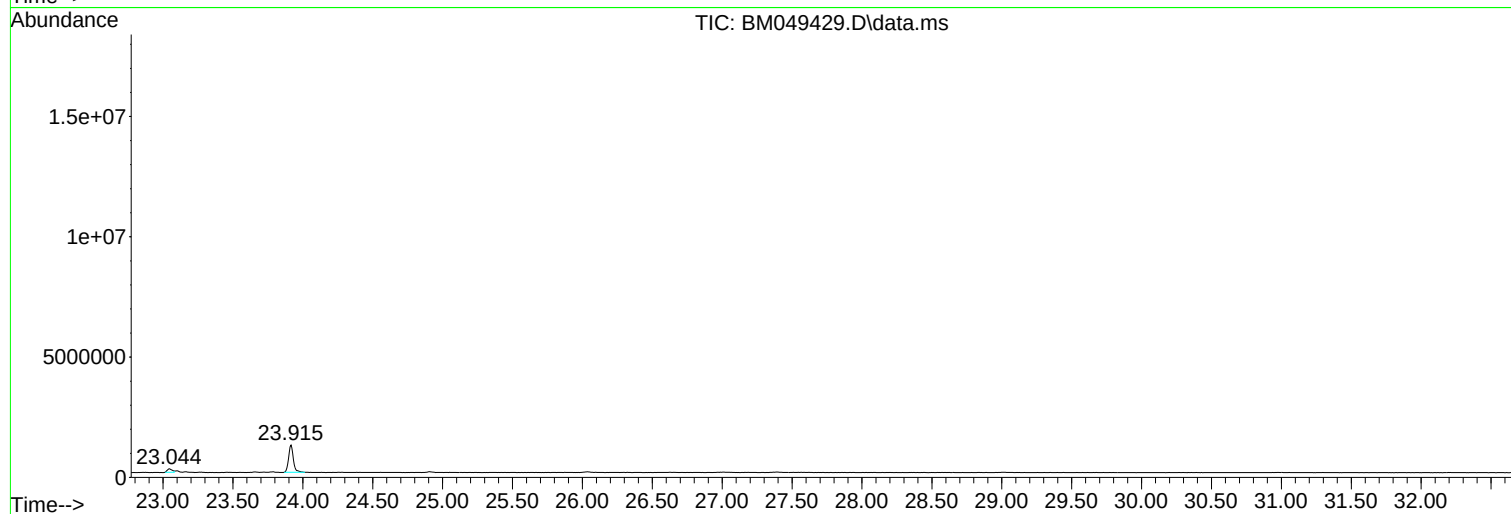
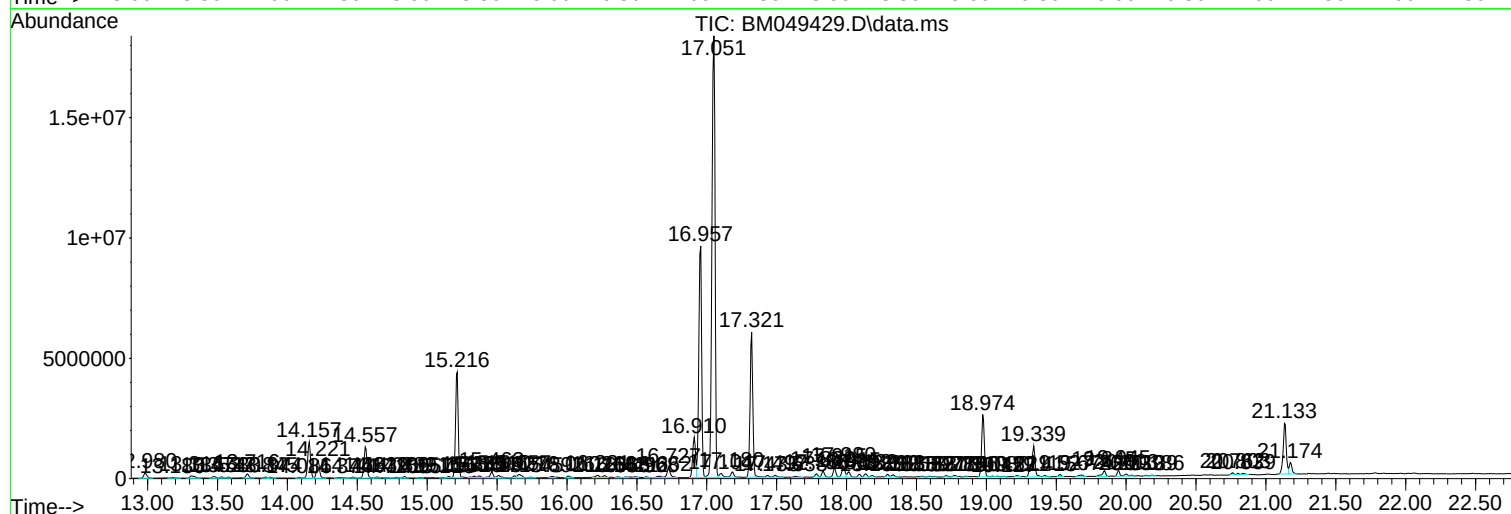
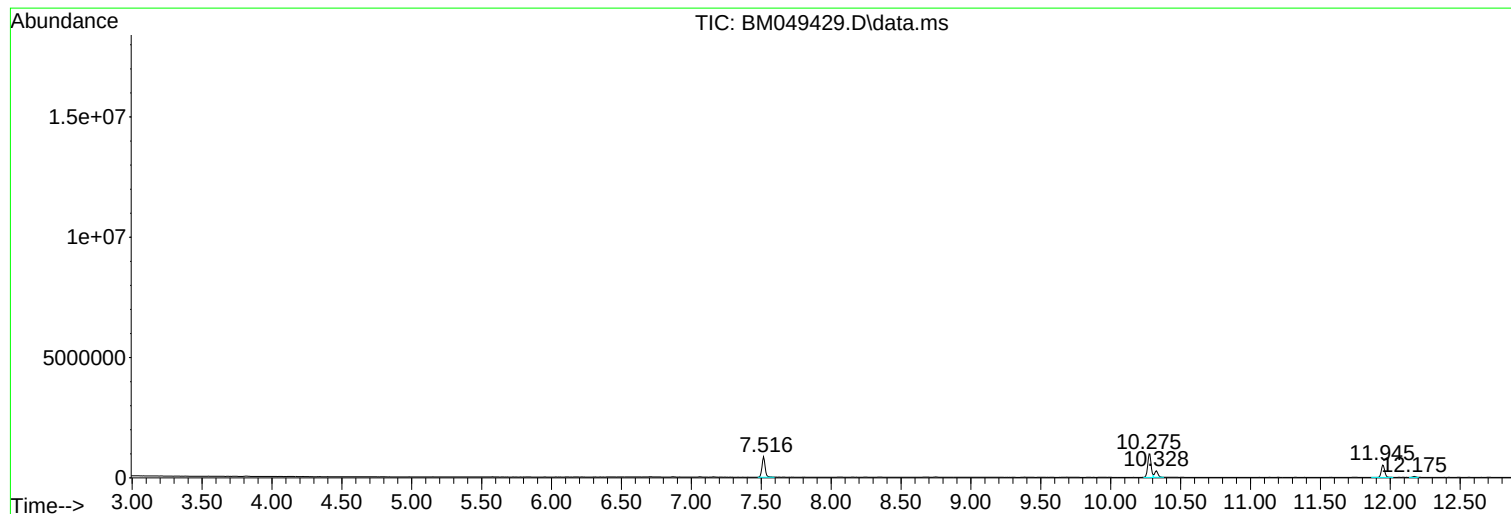
Sum of corrected areas: 90312420

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
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Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
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Sample : Q1139-08DL2 30X  
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ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

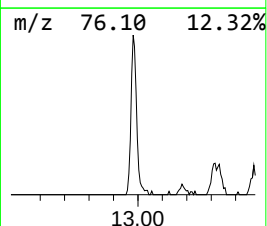
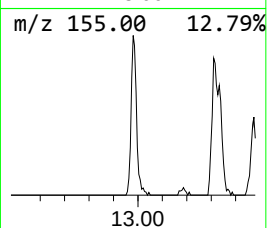
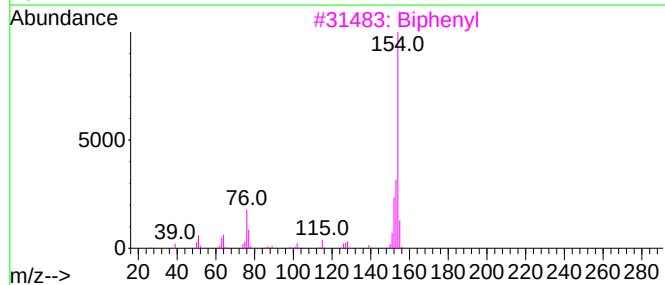
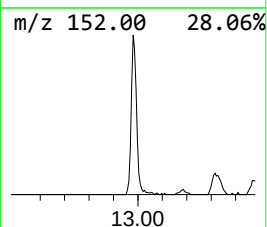
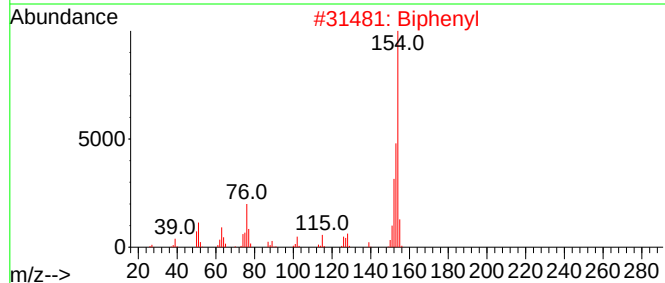
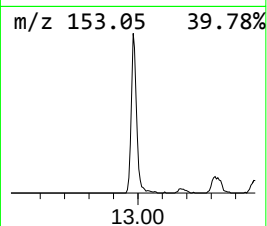
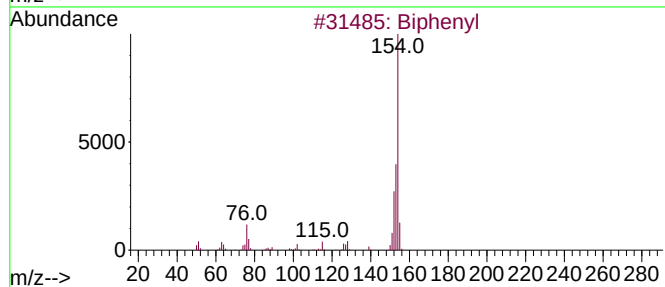
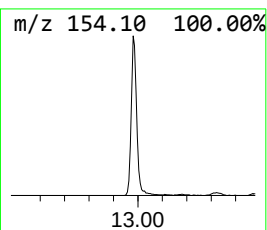
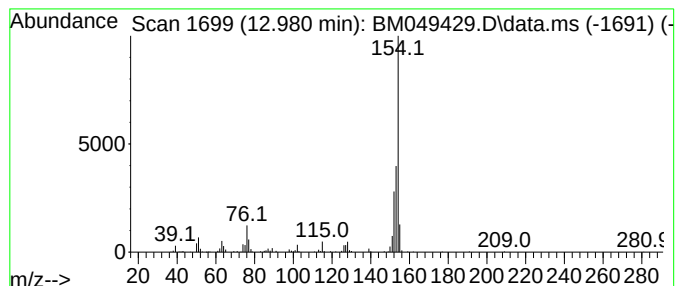
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Biphenyl Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.980 | 3.26 ng/ul | 346937 | Acenaphthene-d10 | 14.157 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Biphenyl                | 154 | C12H10  | 000092-52-4 | 95   |
| 2    |      | Biphenyl                | 154 | C12H10  | 000092-52-4 | 93   |
| 3    |      | Biphenyl                | 154 | C12H10  | 000092-52-4 | 93   |
| 4    |      | Naphthalene, 2-ethenyl- | 154 | C12H10  | 000827-54-3 | 87   |
| 5    |      | Naphthalene, 2-ethenyl- | 154 | C12H10  | 000827-54-3 | 80   |



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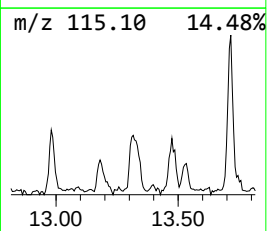
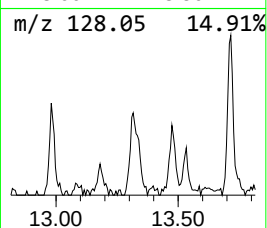
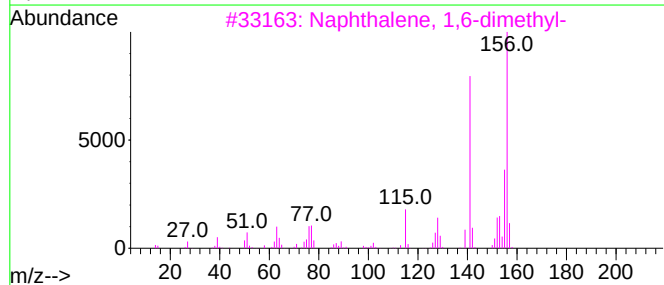
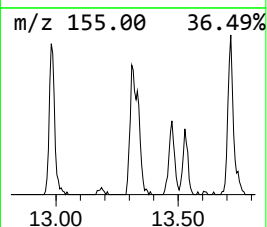
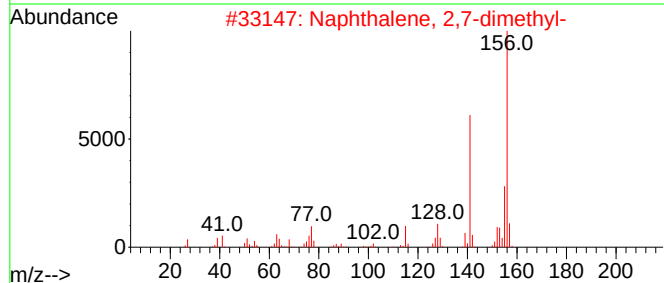
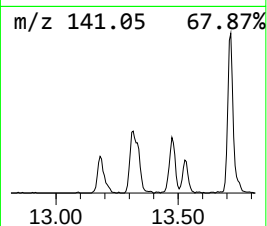
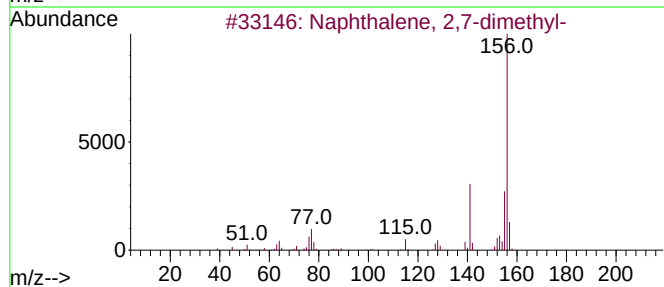
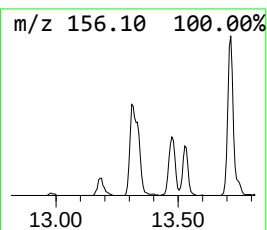
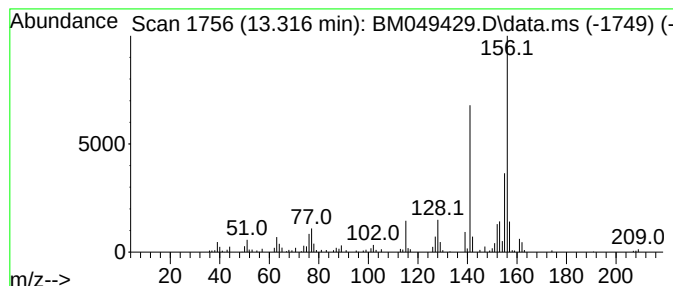
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 13

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 13.316 | 2.37 ng/ul | 252137 | Acenaphthene-d10 | 14.157 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 5    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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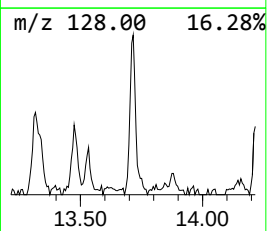
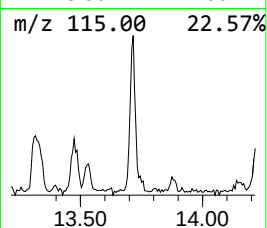
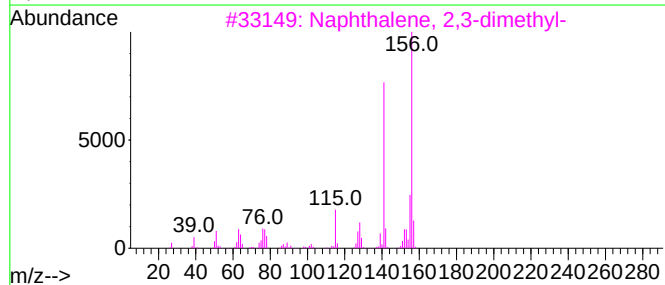
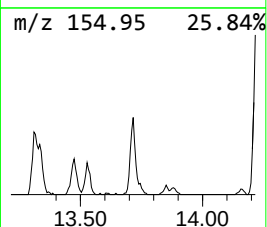
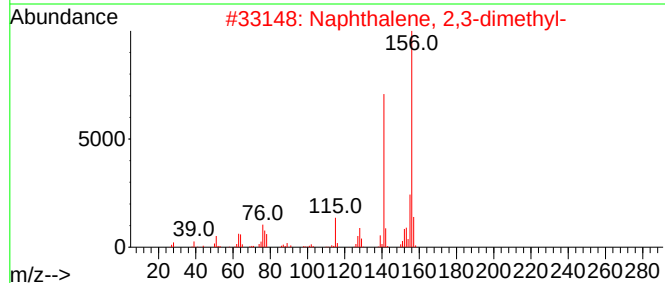
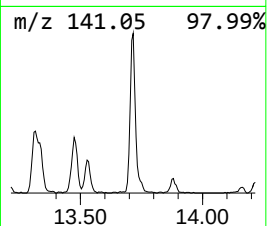
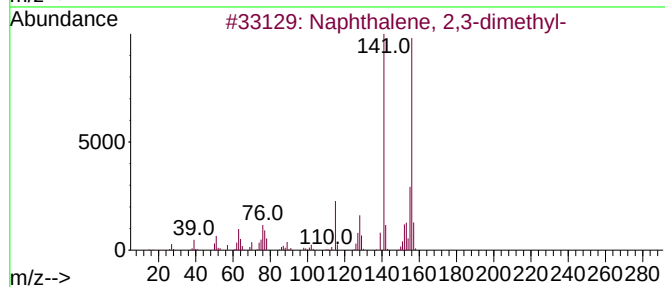
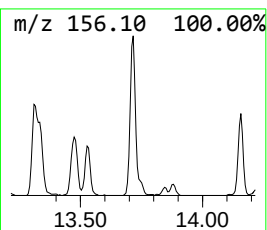
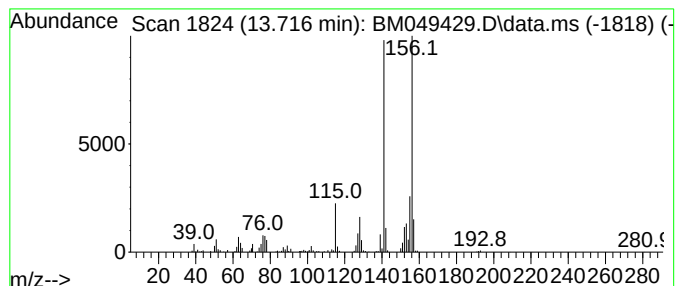
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 13.716 | 2.58 ng/ul | 273786 | Acenaphthene-d10 | 14.157 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

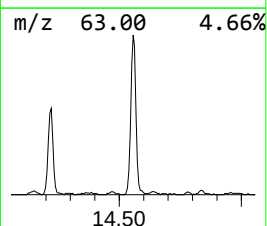
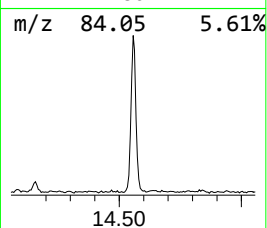
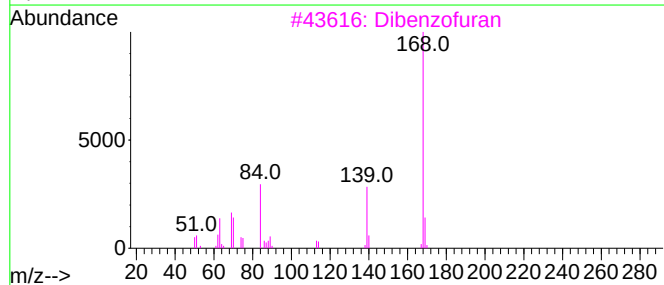
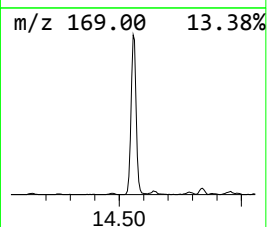
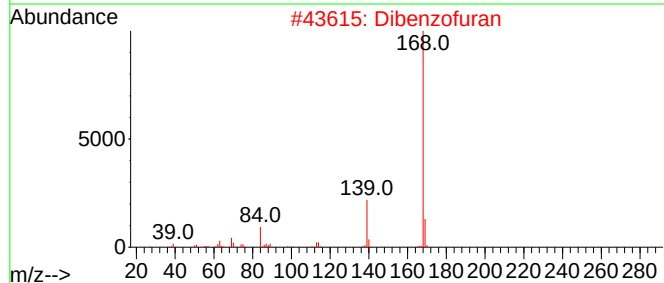
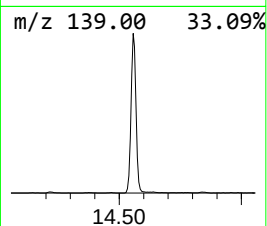
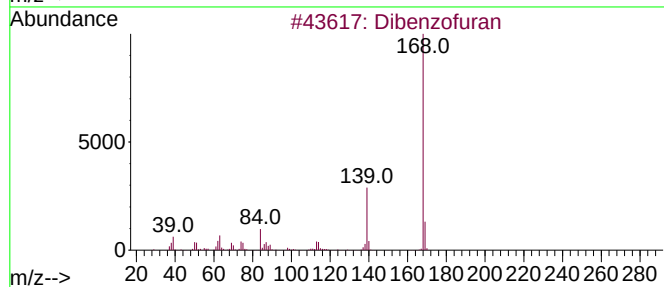
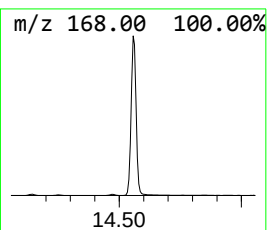
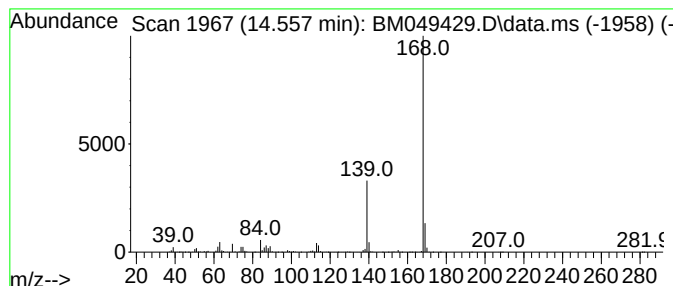
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Dibenzo furan Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 14.557 | 17.92 ng/ul | 1905410 | Acenaphthene-d10 | 14.157 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzofuran           | 168 | C12H8O  | 000132-64-9 | 91   |
| 2    |    |   | Dibenzofuran           | 168 | C12H8O  | 000132-64-9 | 87   |
| 3    |    |   | Dibenzofuran           | 168 | C12H8O  | 000132-64-9 | 83   |
| 4    |    |   | 9H-Pyrido[3,4-b]indole | 168 | C11H8N2 | 000244-63-3 | 64   |
| 5    |    |   | 1H-Pyrido[2,3-b]indole | 168 | C11H8N2 | 000244-76-8 | 64   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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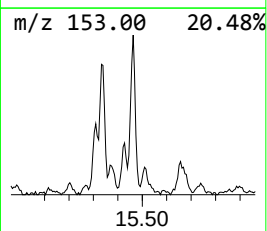
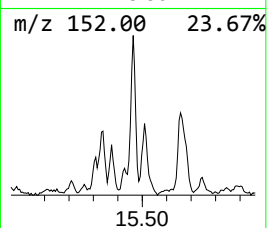
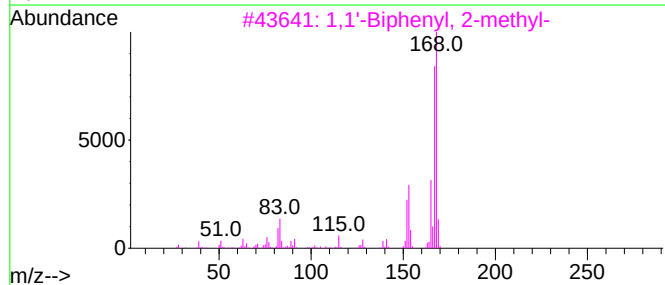
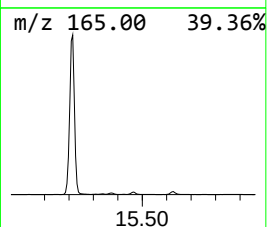
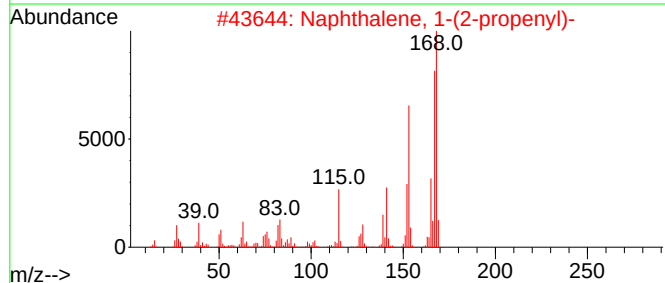
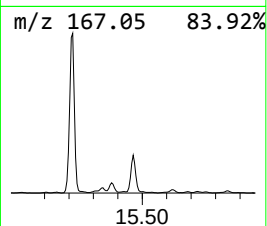
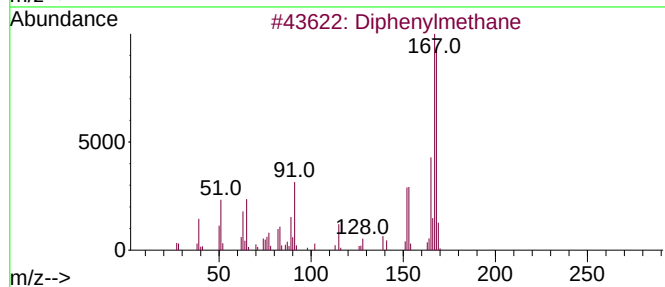
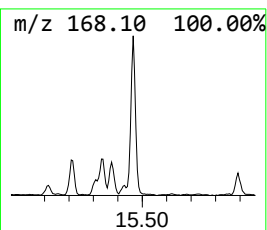
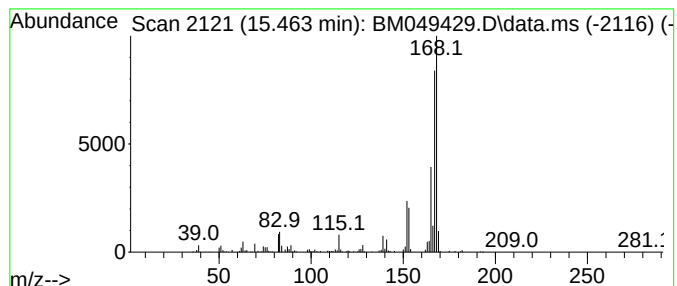
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Diphenylmethane Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.463 | 3.19 ng/ul | 339365 | Acenaphthene-d10 | 14.157 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Diphenylmethane              | 168 | C13H12  | 000101-81-5 | 87   |
| 2    |    |   | Naphthalene, 1-(2-propenyl)- | 168 | C13H12  | 002489-86-3 | 81   |
| 3    |    |   | 1,1'-Biphenyl, 2-methyl-     | 168 | C13H12  | 000643-58-3 | 81   |
| 4    |    |   | 1,1'-Biphenyl, 2-methyl-     | 168 | C13H12  | 000643-58-3 | 81   |
| 5    |    |   | Diphenylmethane              | 168 | C13H12  | 000101-81-5 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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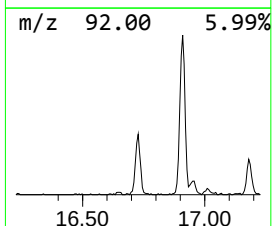
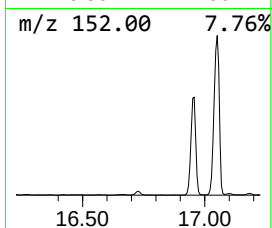
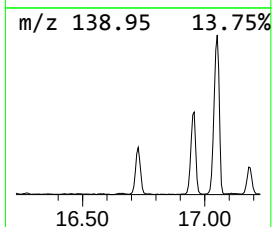
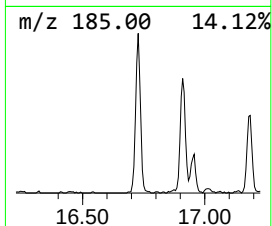
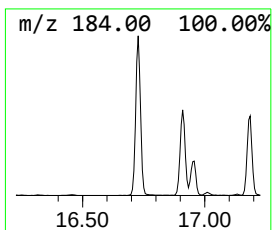
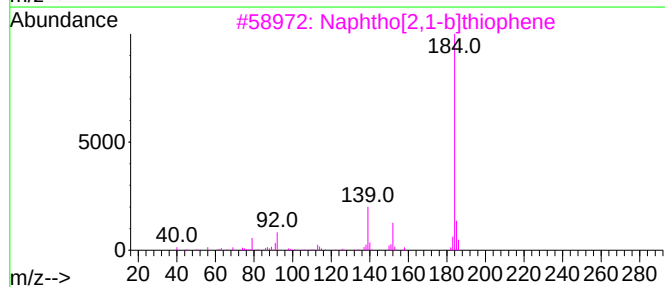
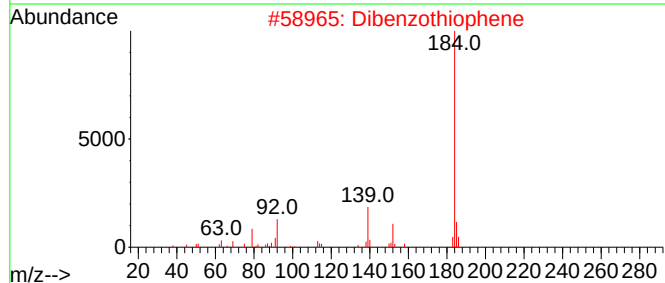
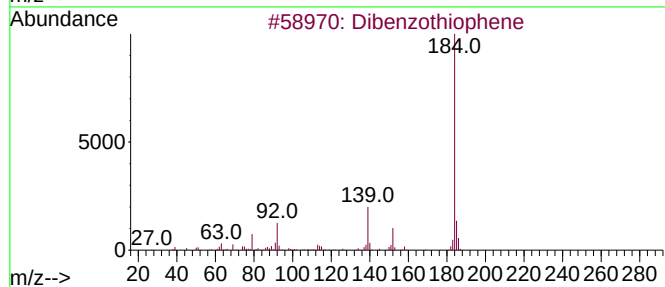
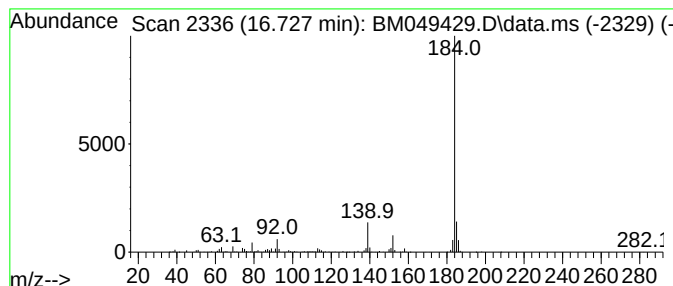
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Dibenzothiophene Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.727 | 5.73 ng/ul | 695187 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 96   |
| 2    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 96   |
| 3    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 95   |
| 4    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 5    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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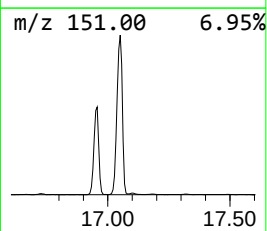
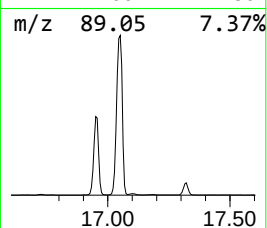
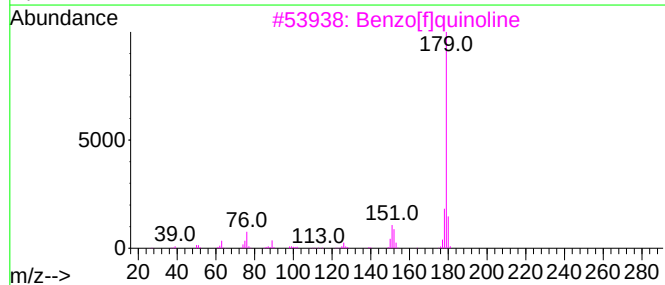
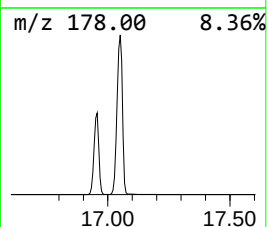
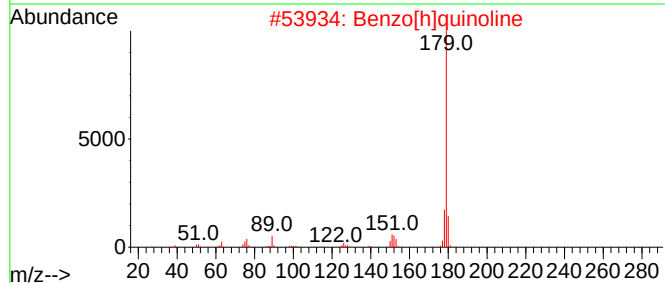
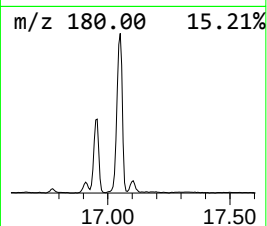
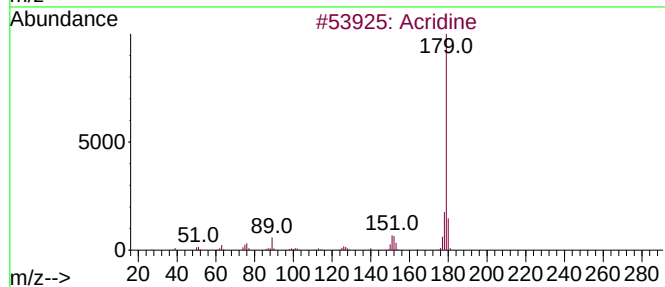
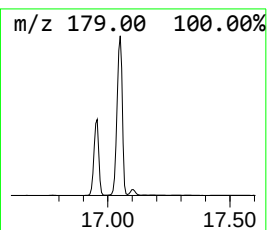
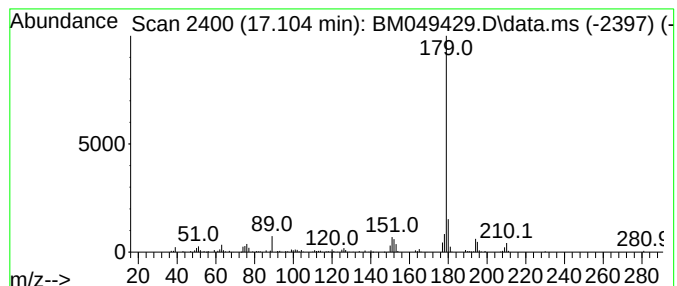
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 Acridine Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.104 | 2.12 ng/ul | 256913 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Acridine                     | 179 | C13H9N  | 000260-94-6 | 87   |
| 2    |    |   | Benzo[h]quinoline            | 179 | C13H9N  | 000230-27-3 | 87   |
| 3    |    |   | Benzo[f]quinoline            | 179 | C13H9N  | 000085-02-9 | 83   |
| 4    |    |   | Phenanthridine               | 179 | C13H9N  | 000229-87-8 | 80   |
| 5    |    |   | Pyridine, 2-(phenylethynyl)- | 179 | C13H9N  | 013141-42-9 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
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Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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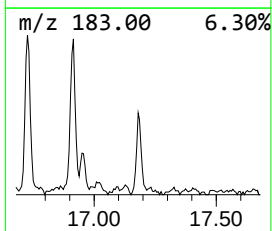
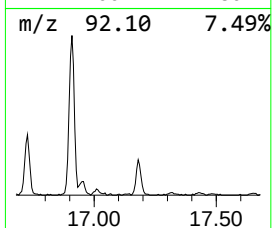
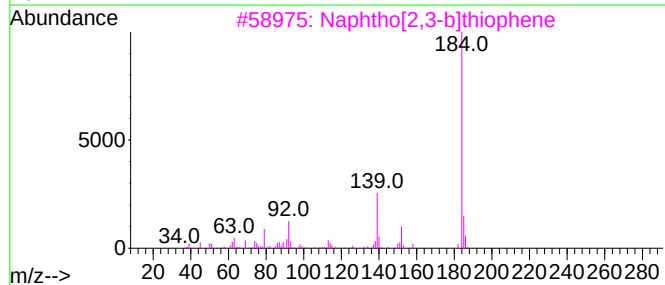
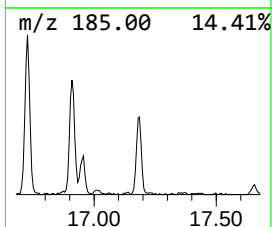
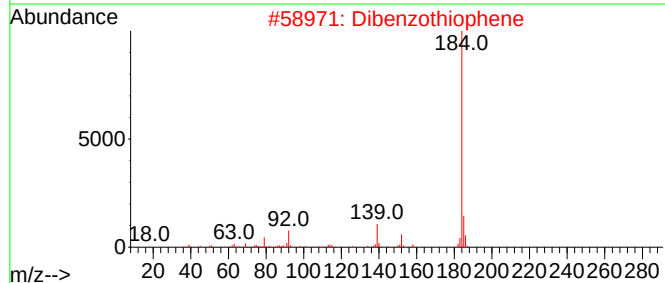
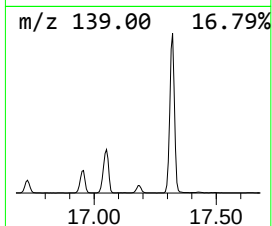
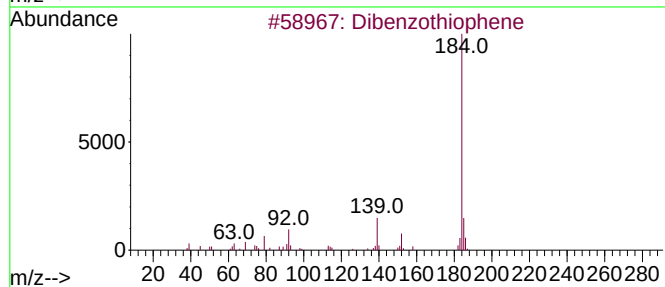
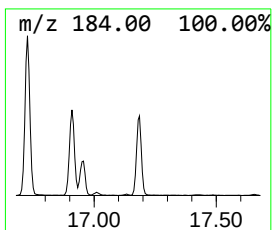
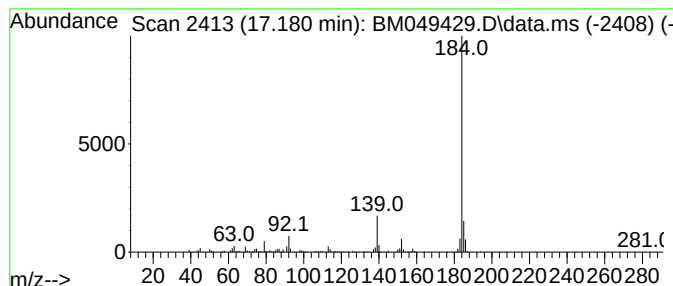
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.180 | 2.58 ng/ul | 312930 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 96   |
| 2    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 3    |    |   | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 95   |
| 4    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 5    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

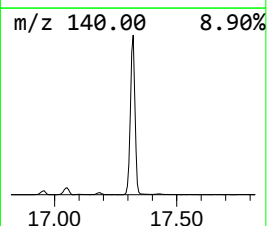
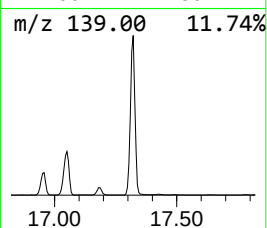
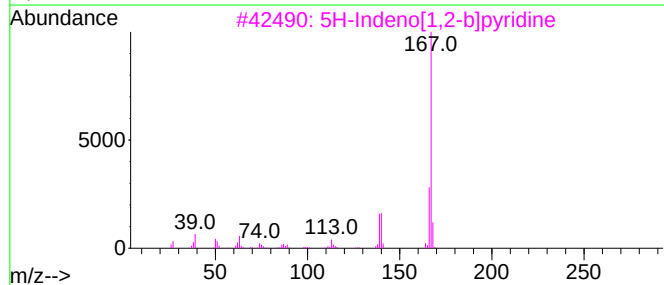
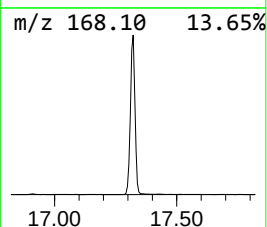
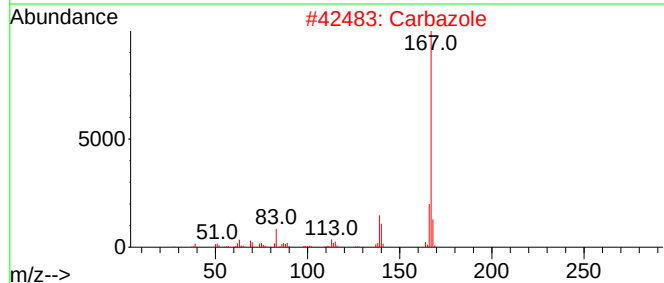
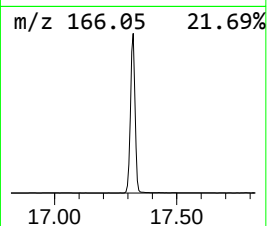
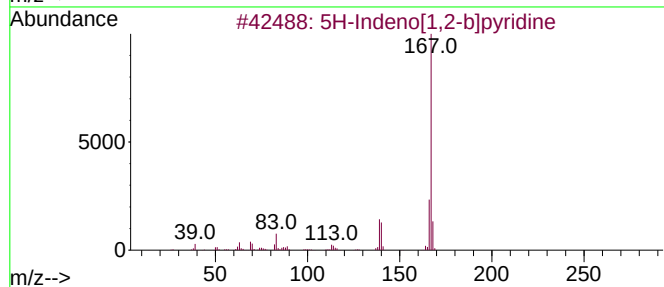
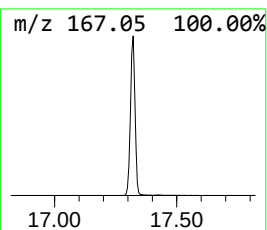
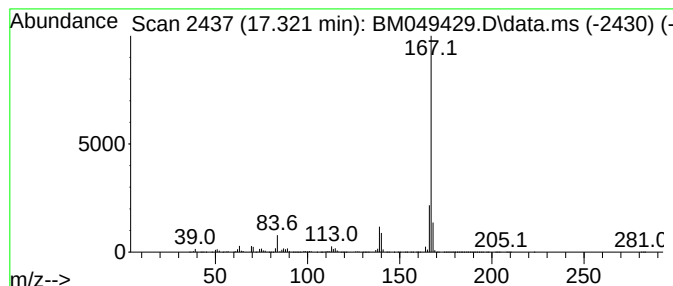
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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 5H-Indeno[1,2-b]pyridine Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 17.321 | 66.02 ng/ul | 8010340 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------|-----|----------|-------------|------|
| 1    |    |   | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N   | 000244-99-5 | 97   |
| 2    |    |   | Carbazole                | 167 | C12H9N   | 000086-74-8 | 97   |
| 3    |    |   | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N   | 000244-99-5 | 91   |
| 4    |    |   | Carbazole                | 167 | C12H9N   | 000086-74-8 | 91   |
| 5    |    |   | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

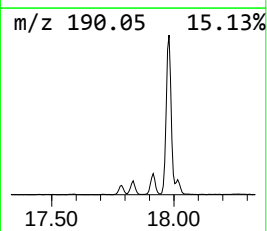
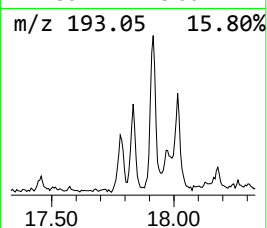
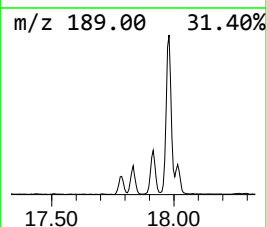
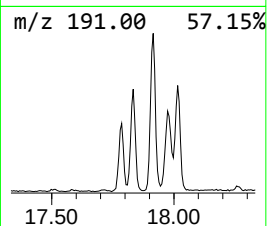
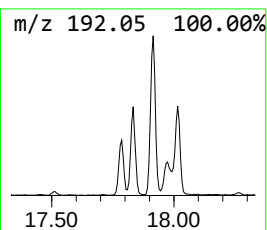
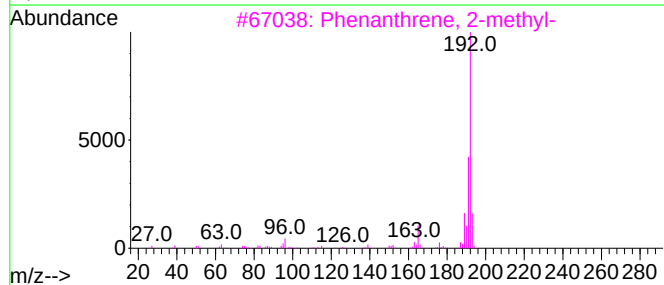
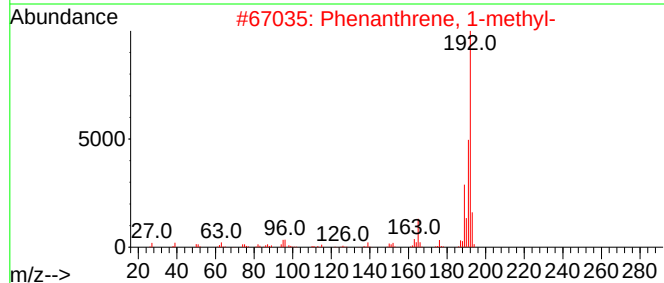
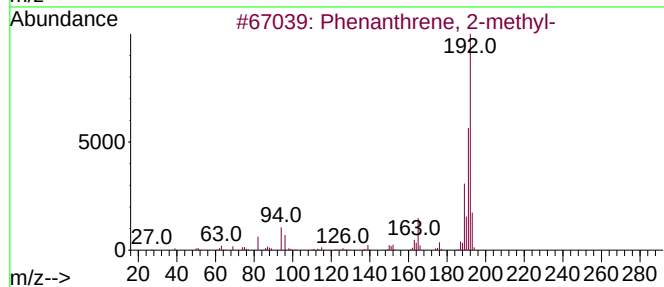
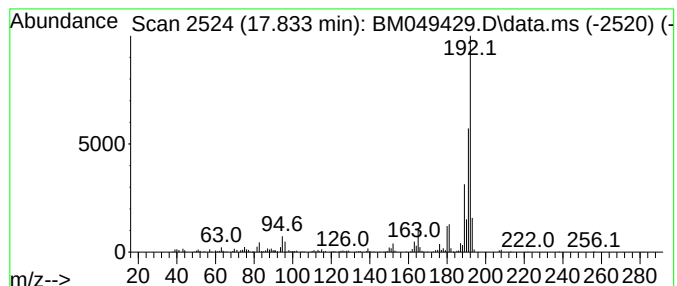
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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.833 | 2.83 ng/ul | 343267 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 95   |
| 5    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

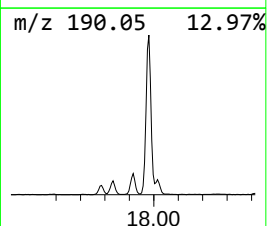
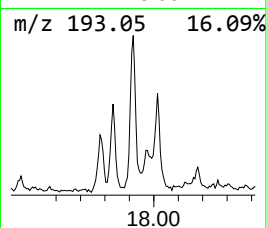
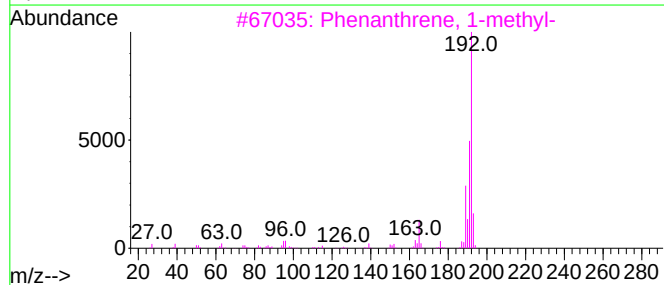
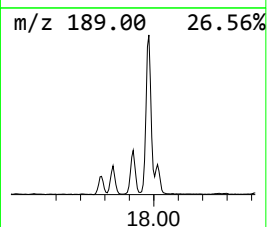
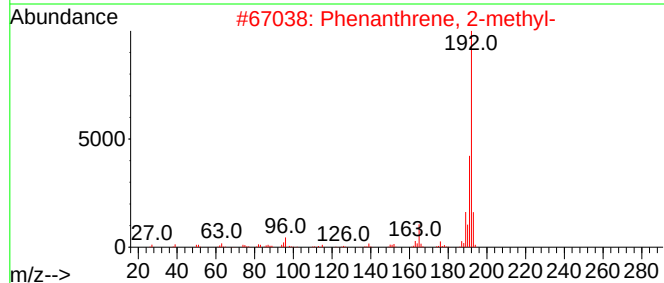
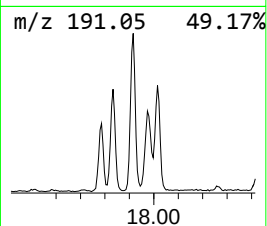
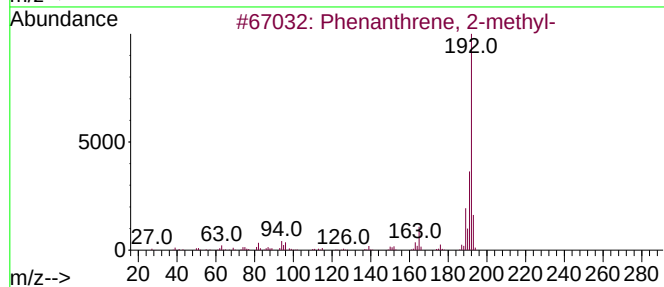
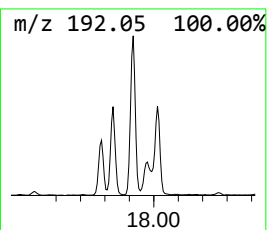
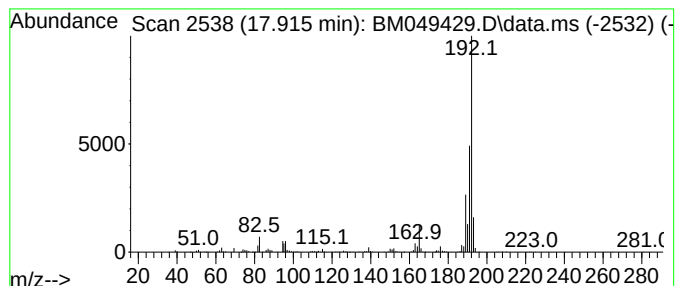
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.915 | 4.34 ng/ul | 526729 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 97   |
| 5    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION

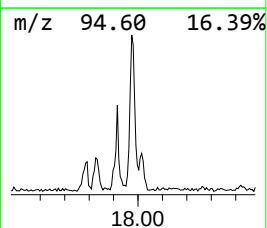
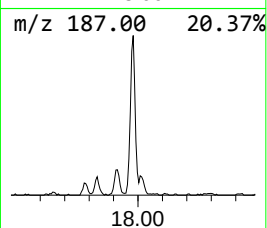
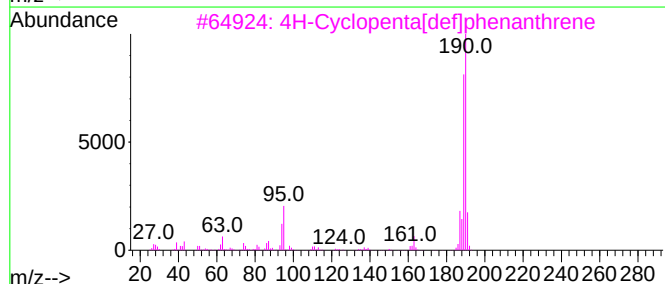
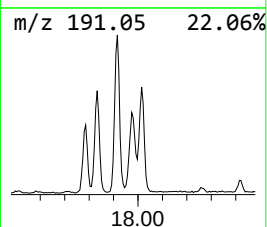
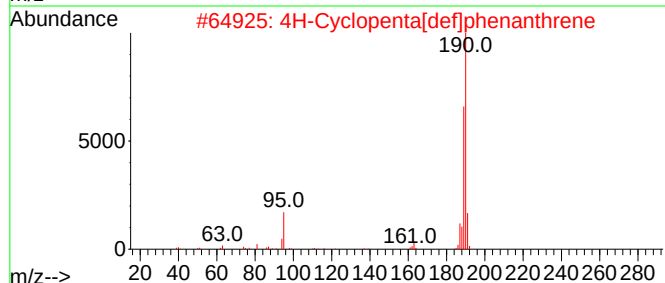
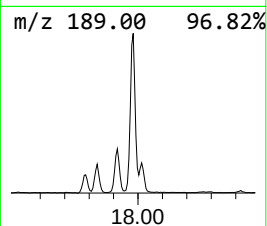
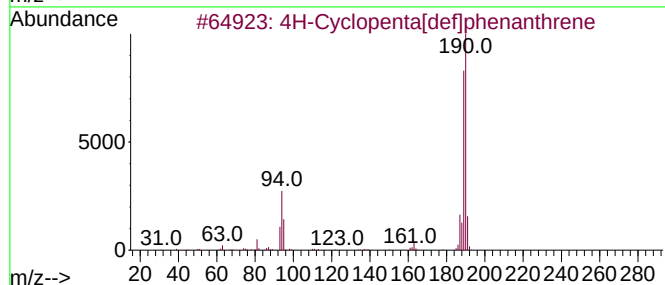
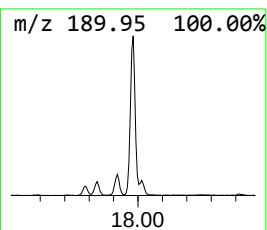
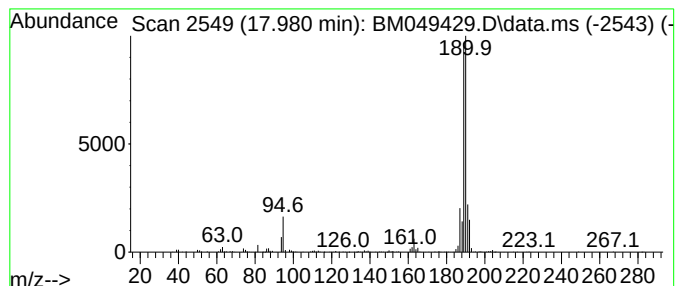
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.980 | 5.72 ng/ul | 694486 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 93   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 87   |
| 3    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 72   |
| 4    |    |   | Phenol, 4-(2-thienylmethyl)-   | 190 | C11H10O5 | 091680-55-6 | 59   |
| 5    |    |   | 6H-Cyclobuta[jk]phenanthrene   | 190 | C15H10   | 083469-43-6 | 56   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

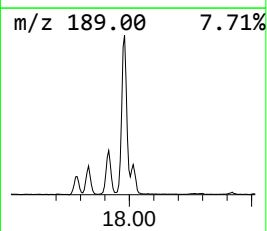
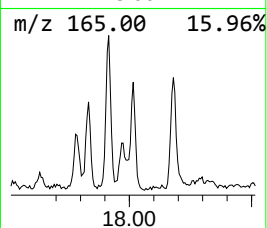
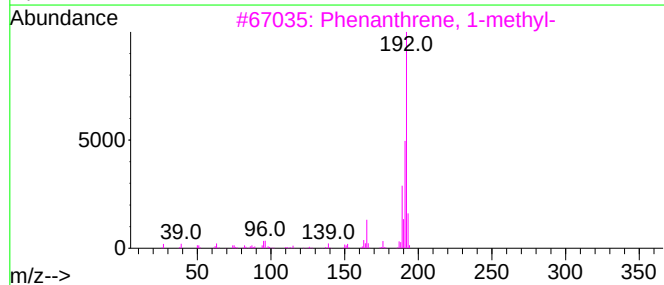
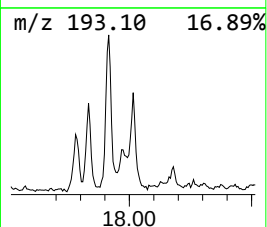
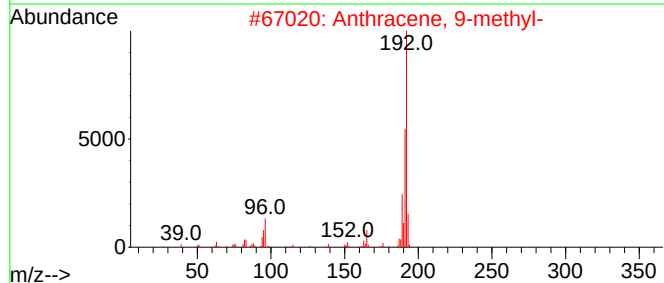
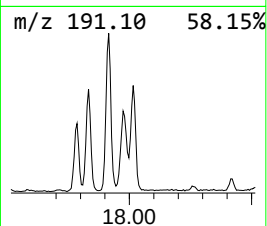
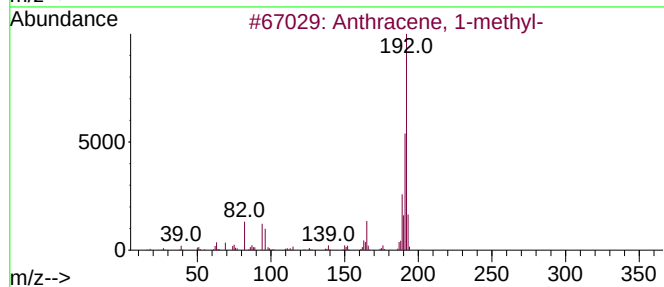
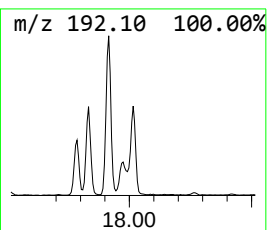
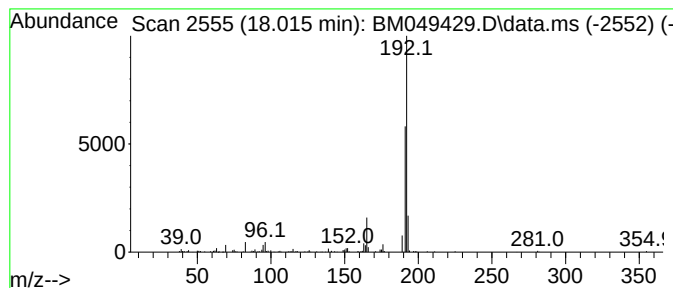
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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Anthracene, 1-methyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.015 | 2.65 ng/ul | 321030 | Phenanthrene-d10 | 16.910 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 91   |
| 2    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 90   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 90   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 90   |
| 5    |    |   | 1H-Indene, 1-phenyl-    | 192 | C15H12  | 001961-96-2 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049429.D  
Acq On : 23 Jan 2025 22:01  
Operator : RC/JU  
Sample : Q1139-08DL2 30X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCZH5DL2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION

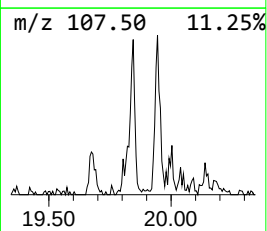
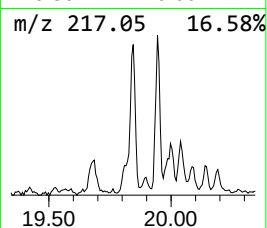
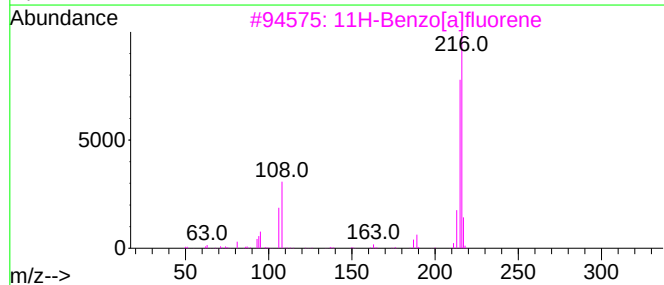
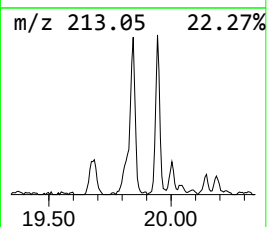
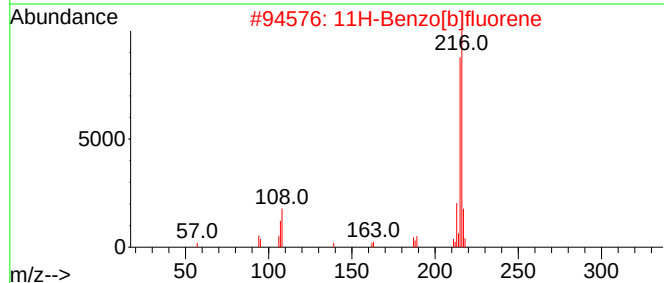
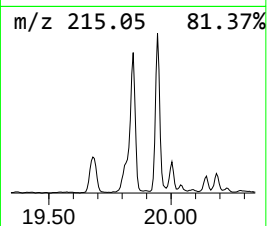
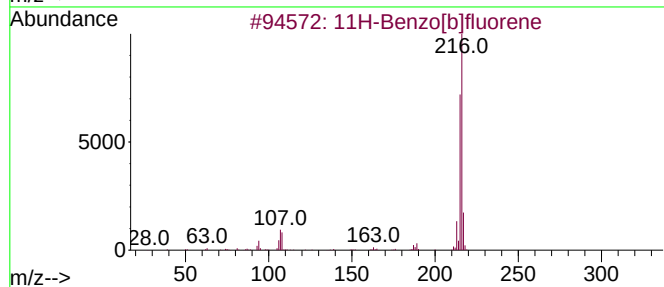
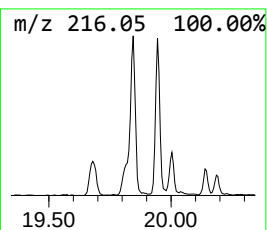
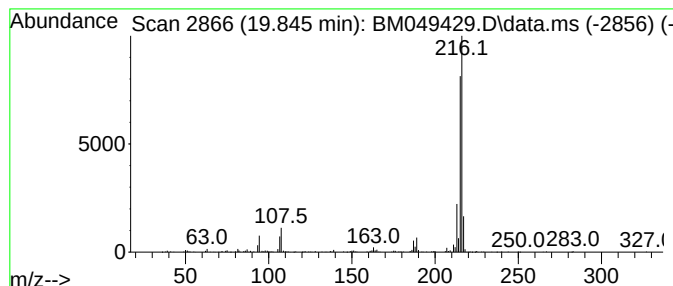
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.845 | 2.52 ng/ul | 418970 | Chrysene-d12     | 21.139 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 95   |
| 2    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 95   |
| 3    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 94   |
| 4    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 94   |
| 5    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
 Data File : BM049429.D  
 Acq On : 23 Jan 2025 22:01  
 Operator : RC/JU  
 Sample : Q1139-08DL2 30X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH5DL2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
 Quant Title : SVOA 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 |
| Biphenyl           | 12.980 | 3.3     | ng/ul | 346937   | 3                     | 14.157 | 2126020 | 20.0 |
| Naphthalene, 2,... | 13.316 | 2.4     | ng/ul | 252137   | 3                     | 14.157 | 2126020 | 20.0 |
| Naphthalene, 2,... | 13.716 | 2.6     | ng/ul | 273786   | 3                     | 14.157 | 2126020 | 20.0 |
| Dibenzo furan      | 14.557 | 17.9    | ng/ul | 1905410  | 3                     | 14.157 | 2126020 | 20.0 |
| Diphenylmethane    | 15.463 | 3.2     | ng/ul | 339365   | 3                     | 14.157 | 2126020 | 20.0 |
| Dibenzothiophene   | 16.727 | 5.7     | ng/ul | 695187   | 4                     | 16.910 | 2426740 | 20.0 |
| Acridine           | 17.104 | 2.1     | ng/ul | 256913   | 4                     | 16.910 | 2426740 | 20.0 |
| Naphtho[2,3-b]t... | 17.180 | 2.6     | ng/ul | 312930   | 4                     | 16.910 | 2426740 | 20.0 |
| 5H-Indeno[1,2-b... | 17.321 | 66.0    | ng/ul | 8010340  | 4                     | 16.910 | 2426740 | 20.0 |
| Phenanthrene, 2... | 17.833 | 2.8     | ng/ul | 343267   | 4                     | 16.910 | 2426740 | 20.0 |
| Phenanthrene, 1... | 17.915 | 4.3     | ng/ul | 526729   | 4                     | 16.910 | 2426740 | 20.0 |
| 4H-Cyclopenta[d... | 17.980 | 5.7     | ng/ul | 694486   | 4                     | 16.910 | 2426740 | 20.0 |
| Anthracene, 1-m... | 18.015 | 2.6     | ng/ul | 321030   | 4                     | 16.910 | 2426740 | 20.0 |
| 11H-Benzo[b]flu... | 19.845 | 2.5     | ng/ul | 418970   | 5                     | 21.139 | 3320430 | 20.0 |