

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
 Data File : BP015724.D  
 Acq On : 26 Jun 2023 20:43  
 Operator : MA/JU  
 Sample : 03083-11DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFK9DL

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\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP015724.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.834       | 107           | 110         | 113          | rVB3     | 5625           | 6514          | 0.15%           | 0.017%        |
| 2         | 3.875       | 116           | 117         | 123          | rBV      | 11066          | 19076         | 0.43%           | 0.051%        |
| 3         | 3.934       | 124           | 127         | 133          | rVB      | 30402          | 42180         | 0.94%           | 0.113%        |
| 4         | 4.058       | 144           | 148         | 152          | rVB4     | 7104           | 11736         | 0.26%           | 0.031%        |
| 5         | 4.158       | 162           | 165         | 171          | rVB3     | 9546           | 13434         | 0.30%           | 0.036%        |
| 6         | 6.834       | 616           | 620         | 625          | rBV8     | 2529           | 5042          | 0.11%           | 0.013%        |
| 7         | 7.275       | 687           | 695         | 708          | rBV3     | 21942          | 86510         | 1.93%           | 0.231%        |
| 8         | 7.399       | 711           | 716         | 728          | rVV2     | 28433          | 69884         | 1.56%           | 0.187%        |
| 9         | 7.481       | 728           | 730         | 734          | rVB4     | 3796           | 4623          | 0.10%           | 0.012%        |
| 10        | 7.605       | 745           | 751         | 766          | rBV      | 37476          | 95449         | 2.13%           | 0.255%        |
| 11        | 8.063       | 820           | 829         | 849          | rBV      | 330053         | 715415        | 15.99%          | 1.911%        |
| 12        | 8.828       | 953           | 959         | 964          | rBV4     | 17515          | 45703         | 1.02%           | 0.122%        |
| 13        | 9.281       | 1027          | 1036        | 1046         | rBV      | 24028          | 70317         | 1.57%           | 0.188%        |
| 14        | 10.010      | 1151          | 1160        | 1165         | rBV      | 12759          | 40543         | 0.91%           | 0.108%        |
| 15        | 10.610      | 1254          | 1262        | 1264         | rBV4     | 17931          | 30427         | 0.68%           | 0.081%        |
| 16        | 10.899      | 1302          | 1311        | 1334         | rBV      | 356119         | 933633        | 20.86%          | 2.494%        |
| 17        | 11.140      | 1344          | 1352        | 1356         | rBV      | 7538           | 22444         | 0.50%           | 0.060%        |
| 18        | 11.663      | 1436          | 1441        | 1448         | rVV      | 2973           | 8846          | 0.20%           | 0.024%        |
| 19        | 12.593      | 1595          | 1599        | 1608         | rVB5     | 6574           | 18345         | 0.41%           | 0.049%        |
| 20        | 12.798      | 1628          | 1634        | 1642         | rBV4     | 9738           | 21167         | 0.47%           | 0.057%        |
| 21        | 13.598      | 1766          | 1770        | 1779         | rVB4     | 11683          | 22297         | 0.50%           | 0.060%        |
| 22        | 13.692      | 1783          | 1786        | 1791         | rBV7     | 4477           | 7718          | 0.17%           | 0.021%        |
| 23        | 13.910      | 1821          | 1823        | 1831         | rVB9     | 5100           | 8972          | 0.20%           | 0.024%        |
| 24        | 14.045      | 1838          | 1846        | 1851         | rBV4     | 12217          | 28130         | 0.63%           | 0.075%        |
| 25        | 14.140      | 1851          | 1862        | 1873         | rVV      | 75404          | 162471        | 3.63%           | 0.434%        |
| 26        | 14.287      | 1882          | 1887        | 1888         | rBV4     | 3894           | 5577          | 0.12%           | 0.015%        |
| 27        | 14.298      | 1888          | 1889        | 1895         | rVB6     | 5373           | 6998          | 0.16%           | 0.019%        |
| 28        | 14.416      | 1902          | 1909        | 1923         | rBV3     | 104925         | 226491        | 5.06%           | 0.605%        |
| 29        | 14.716      | 1953          | 1960        | 1967         | rBV      | 606326         | 1006662       | 22.49%          | 2.689%        |
| 30        | 14.781      | 1967          | 1971        | 1980         | rVB      | 78518          | 141890        | 3.17%           | 0.379%        |
| 31        | 15.039      | 2008          | 2015        | 2018         | rBV8     | 4332           | 10954         | 0.24%           | 0.029%        |
| 32        | 15.134      | 2026          | 2031        | 2039         | rVV      | 23621          | 47903         | 1.07%           | 0.128%        |
| 33        | 15.198      | 2039          | 2042        | 2051         | rVB8     | 8927           | 17262         | 0.39%           | 0.046%        |
| 34        | 15.339      | 2059          | 2066        | 2070         | rBV8     | 6621           | 12618         | 0.28%           | 0.034%        |
| 35        | 15.398      | 2071          | 2076        | 2079         | rVV7     | 4465           | 6725          | 0.15%           | 0.018%        |
| 36        | 15.510      | 2090          | 2095        | 2097         | rBV5     | 3866           | 6429          | 0.14%           | 0.017%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
 Data File : BP015724.D  
 Acq On : 26 Jun 2023 20:43  
 Operator : MA/JU  
 Sample : 03083-11DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFK9DL

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\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 15.645 | 2115 | 2118 | 2123 | rBV7 | 3924    | 7802    | 0.17%  | 0.021% |
| 38 | 15.722 | 2123 | 2131 | 2137 | rBV  | 131328  | 244375  | 5.46%  | 0.653% |
| 39 | 15.775 | 2137 | 2140 | 2150 | rVB2 | 59596   | 113805  | 2.54%  | 0.304% |
| 40 | 15.898 | 2157 | 2161 | 2164 | rBV4 | 14686   | 21179   | 0.47%  | 0.057% |
| 41 | 16.086 | 2186 | 2193 | 2203 | rVB2 | 44641   | 92062   | 2.06%  | 0.246% |
| 42 | 16.222 | 2211 | 2216 | 2224 | rVV2 | 16458   | 38221   | 0.85%  | 0.102% |
| 43 | 16.316 | 2228 | 2232 | 2237 | rVB7 | 7044    | 11726   | 0.26%  | 0.031% |
| 44 | 16.416 | 2244 | 2249 | 2252 | rBV7 | 8428    | 16706   | 0.37%  | 0.045% |
| 45 | 16.469 | 2253 | 2258 | 2264 | rVB8 | 9325    | 22014   | 0.49%  | 0.059% |
| 46 | 16.639 | 2284 | 2287 | 2294 | rBV8 | 7266    | 12076   | 0.27%  | 0.032% |
| 47 | 16.775 | 2300 | 2310 | 2315 | rBV7 | 18184   | 48066   | 1.07%  | 0.128% |
| 48 | 16.828 | 2316 | 2319 | 2323 | rVB4 | 8424    | 10856   | 0.24%  | 0.029% |
| 49 | 16.998 | 2341 | 2348 | 2352 | rBV6 | 17025   | 36928   | 0.83%  | 0.099% |
| 50 | 17.045 | 2352 | 2356 | 2359 | rVV4 | 15923   | 21291   | 0.48%  | 0.057% |
| 51 | 17.145 | 2368 | 2373 | 2378 | rBV2 | 58133   | 90779   | 2.03%  | 0.242% |
| 52 | 17.204 | 2379 | 2383 | 2384 | rBV2 | 15163   | 18803   | 0.42%  | 0.050% |
| 53 | 17.292 | 2394 | 2398 | 2405 | rVB  | 49694   | 76809   | 1.72%  | 0.205% |
| 54 | 17.475 | 2423 | 2429 | 2432 | rBV  | 755970  | 1113266 | 24.88% | 2.974% |
| 55 | 17.516 | 2432 | 2436 | 2443 | rVV  | 1140734 | 1793167 | 40.07% | 4.790% |
| 56 | 17.581 | 2443 | 2447 | 2450 | rVV2 | 160552  | 281632  | 6.29%  | 0.752% |
| 57 | 17.616 | 2450 | 2453 | 2462 | rVV  | 214454  | 353024  | 7.89%  | 0.943% |
| 58 | 17.692 | 2462 | 2466 | 2472 | rVB3 | 19719   | 36794   | 0.82%  | 0.098% |
| 59 | 17.892 | 2493 | 2500 | 2513 | rBV  | 183825  | 397918  | 8.89%  | 1.063% |
| 60 | 17.986 | 2513 | 2516 | 2519 | rBV5 | 17256   | 24172   | 0.54%  | 0.065% |
| 61 | 18.333 | 2570 | 2575 | 2580 | rBV  | 173370  | 274211  | 6.13%  | 0.732% |
| 62 | 18.386 | 2580 | 2584 | 2592 | rVB  | 183493  | 265139  | 5.92%  | 0.708% |
| 63 | 18.469 | 2594 | 2598 | 2602 | rVB  | 55491   | 74655   | 1.67%  | 0.199% |
| 64 | 18.528 | 2602 | 2608 | 2612 | rBV3 | 197141  | 349399  | 7.81%  | 0.933% |
| 65 | 18.633 | 2623 | 2626 | 2630 | rBV4 | 20129   | 25917   | 0.58%  | 0.069% |
| 66 | 18.680 | 2631 | 2634 | 2638 | rVV3 | 22213   | 29552   | 0.66%  | 0.079% |
| 67 | 18.816 | 2653 | 2657 | 2662 | rBV  | 99482   | 141449  | 3.16%  | 0.378% |
| 68 | 18.875 | 2663 | 2667 | 2674 | rVB  | 117703  | 169176  | 3.78%  | 0.452% |
| 69 | 19.051 | 2694 | 2697 | 2701 | rVV3 | 35487   | 43582   | 0.97%  | 0.116% |
| 70 | 19.098 | 2703 | 2705 | 2709 | rVV2 | 36172   | 33529   | 0.75%  | 0.090% |
| 71 | 19.139 | 2709 | 2712 | 2716 | rVB2 | 33441   | 41975   | 0.94%  | 0.112% |
| 72 | 19.216 | 2721 | 2725 | 2729 | rBV  | 80629   | 116895  | 2.61%  | 0.312% |
| 73 | 19.375 | 2747 | 2752 | 2758 | rVB2 | 129304  | 209134  | 4.67%  | 0.559% |
| 74 | 19.475 | 2763 | 2769 | 2776 | rBV  | 2752774 | 3727699 | 83.30% | 9.957% |
| 75 | 19.798 | 2819 | 2824 | 2826 | rBV3 | 642681  | 906604  | 20.26% | 2.422% |
| 76 | 19.827 | 2826 | 2829 | 2837 | rVV  | 2081479 | 2843401 | 63.54% | 7.595% |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
 Data File : BP015724.D  
 Acq On : 26 Jun 2023 20:43  
 Operator : MA/JU  
 Sample : 03083-11DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFK9DL

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\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 77 | 19.898 | 2837 | 2841 | 2847 | rVB  | 113664  | 177135  | 3.96%   | 0.473%  |
| 78 | 20.004 | 2856 | 2859 | 2864 | rVB  | 116302  | 144611  | 3.23%   | 0.386%  |
| 79 | 20.080 | 2869 | 2872 | 2877 | rVB  | 91617   | 129891  | 2.90%   | 0.347%  |
| 80 | 20.139 | 2878 | 2882 | 2883 | rBV2 | 125887  | 165436  | 3.70%   | 0.442%  |
| 81 | 20.210 | 2890 | 2894 | 2898 | rBV  | 81222   | 128596  | 2.87%   | 0.344%  |
| 82 | 20.280 | 2902 | 2906 | 2907 | rVV3 | 152807  | 210544  | 4.70%   | 0.562%  |
| 83 | 20.310 | 2908 | 2911 | 2917 | rVB  | 238816  | 339213  | 7.58%   | 0.906%  |
| 84 | 20.410 | 2924 | 2928 | 2931 | rBV  | 108781  | 134450  | 3.00%   | 0.359%  |
| 85 | 20.463 | 2931 | 2937 | 2941 | rBV2 | 173921  | 356855  | 7.97%   | 0.953%  |
| 86 | 20.604 | 2958 | 2961 | 2964 | rVB2 | 86896   | 93438   | 2.09%   | 0.250%  |
| 87 | 21.045 | 3032 | 3036 | 3043 | rVB  | 397983  | 551469  | 12.32%  | 1.473%  |
| 88 | 21.204 | 3059 | 3063 | 3066 | rBV2 | 398266  | 576261  | 12.88%  | 1.539%  |
| 89 | 21.239 | 3066 | 3069 | 3073 | rVV  | 269420  | 355634  | 7.95%   | 0.950%  |
| 90 | 21.286 | 3073 | 3077 | 3082 | rVV2 | 259936  | 485313  | 10.84%  | 1.296%  |
| 91 | 21.339 | 3083 | 3086 | 3093 | rVB  | 371306  | 521160  | 11.65%  | 1.392%  |
| 92 | 21.551 | 3113 | 3122 | 3127 | rBV2 | 1869181 | 4475199 | 100.00% | 11.954% |
| 93 | 21.604 | 3127 | 3131 | 3135 | rVB  | 1216093 | 1708947 | 38.19%  | 4.565%  |
| 94 | 21.727 | 3149 | 3152 | 3160 | rVB  | 192868  | 274437  | 6.13%   | 0.733%  |
| 95 | 21.910 | 3179 | 3183 | 3188 | rBV2 | 266178  | 396709  | 8.86%   | 1.060%  |
| 96 | 23.333 | 3418 | 3425 | 3430 | rBV  | 1280999 | 3275047 | 73.18%  | 8.748%  |
| 97 | 23.886 | 3513 | 3519 | 3523 | rBV  | 656678  | 1347792 | 30.12%  | 3.600%  |
| 98 | 23.998 | 3532 | 3538 | 3548 | rVB  | 966039  | 2026905 | 45.29%  | 5.414%  |
| 99 | 24.110 | 3551 | 3557 | 3562 | rBV  | 701454  | 1445255 | 32.29%  | 3.861%  |

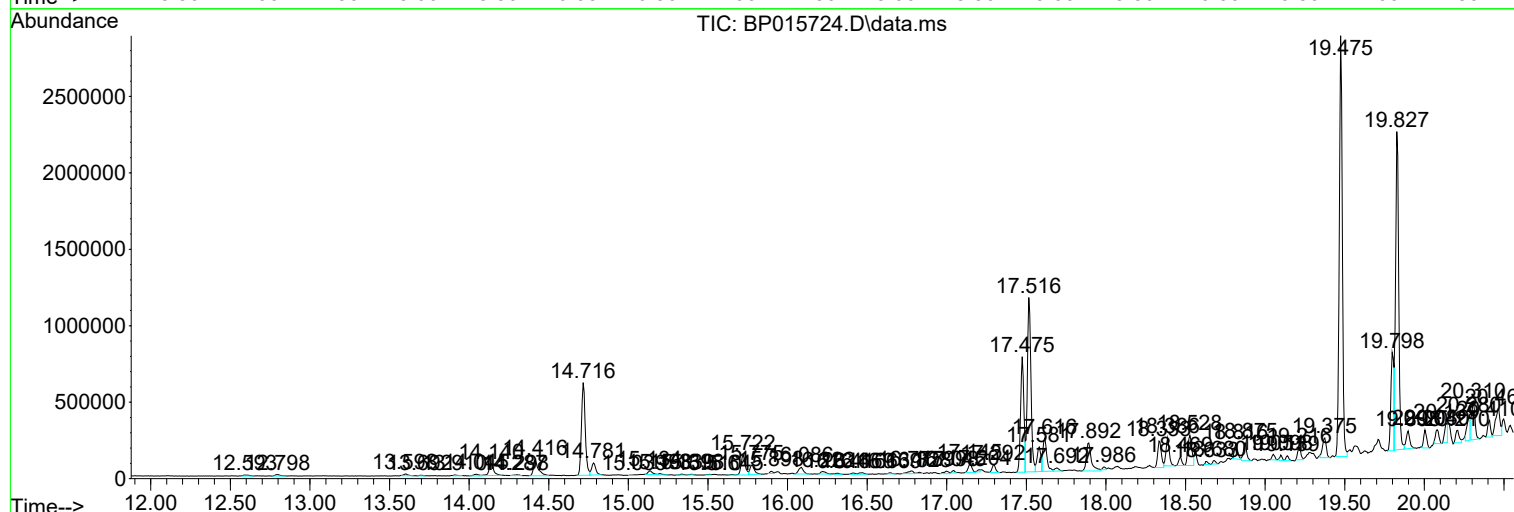
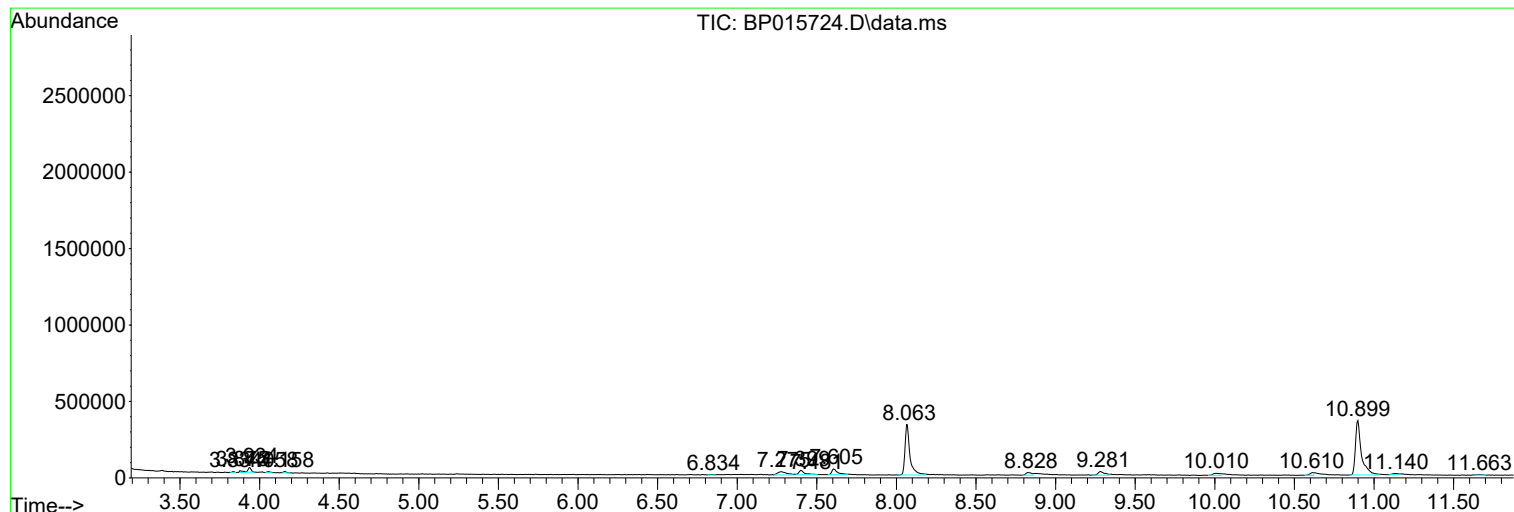
Sum of corrected areas: 37436470

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

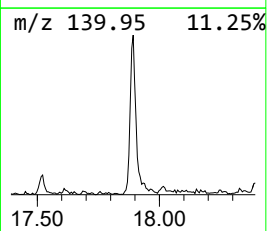
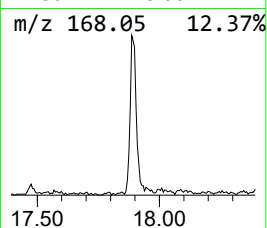
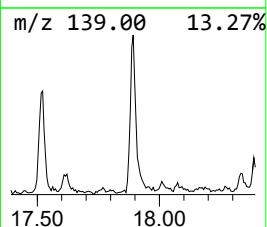
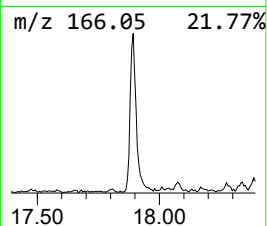
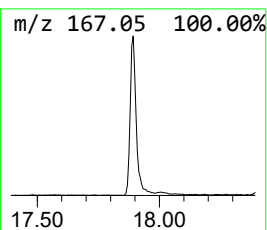
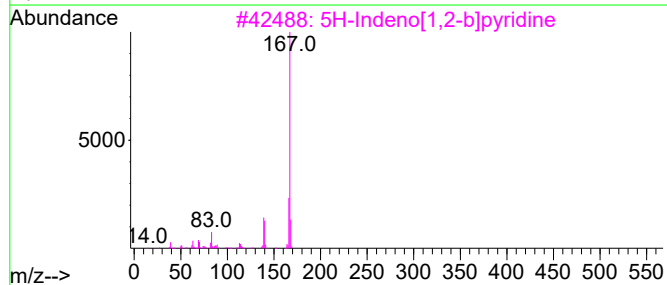
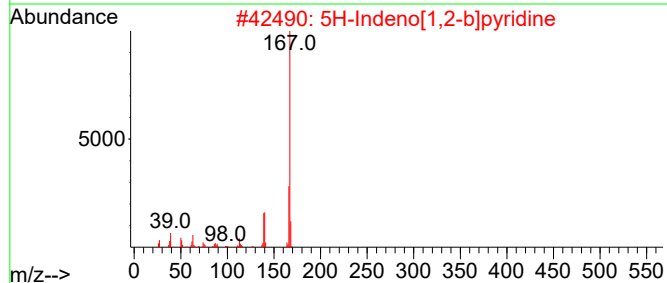
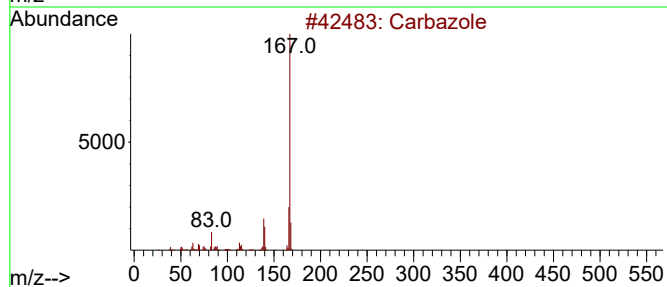
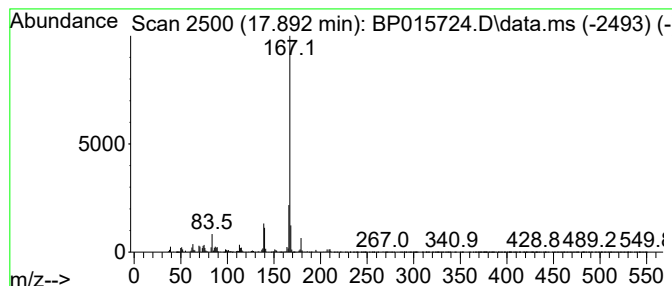
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Carba zole Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.892 | 7.15 ng/ul | 397918 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------|-----|----------|-------------|------|
| 1    |    |   | Carbazole                | 167 | C12H9N   | 000086-74-8 | 96   |
| 2    |    |   | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N   | 000244-99-5 | 95   |
| 3    |    |   | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N   | 000244-99-5 | 95   |
| 4    |    |   | Carbazole                | 167 | C12H9N   | 000086-74-8 | 90   |
| 5    |    |   | 9H-Carbazole-9-methanol  | 197 | C13H11NO | 002409-36-1 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

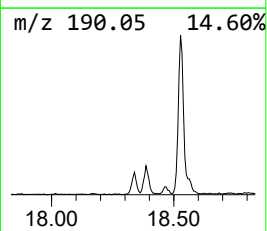
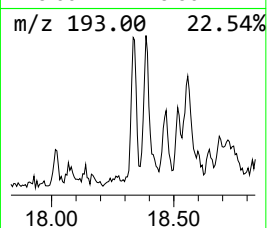
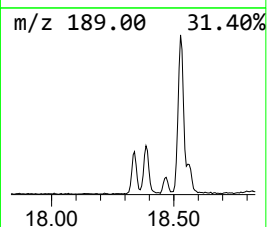
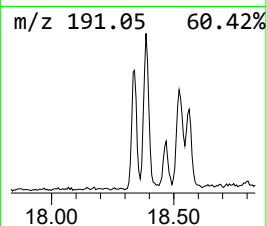
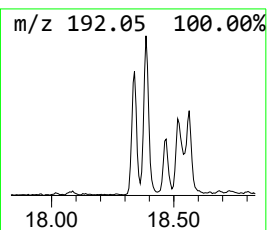
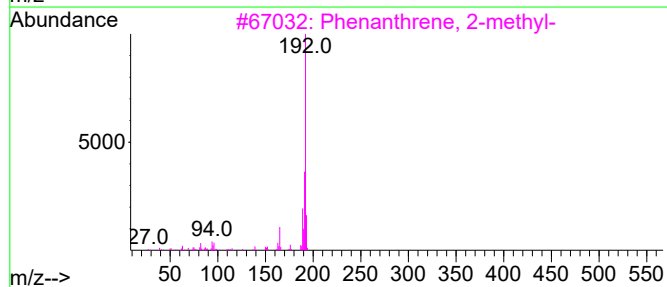
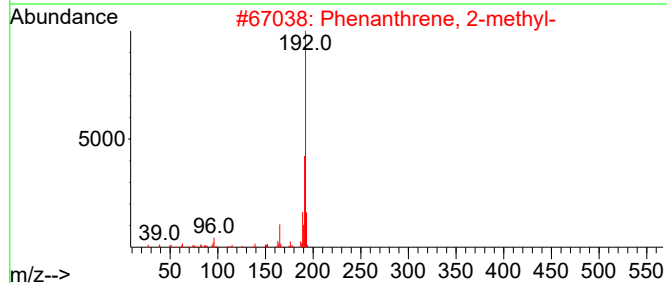
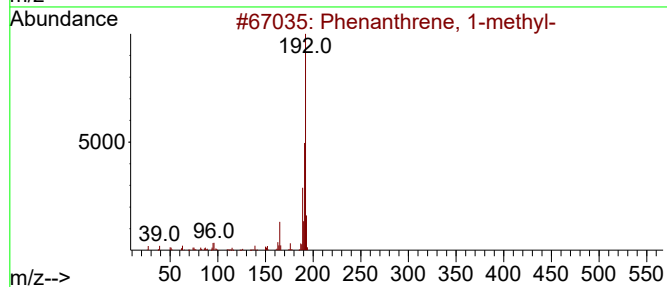
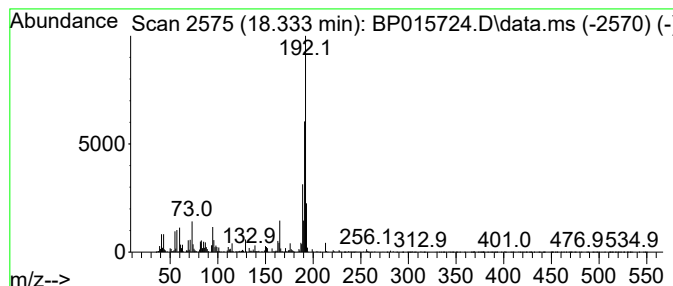
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.333 | 4.93 ng/ul | 274211 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 3    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 4    |    |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 94   |
| 5    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

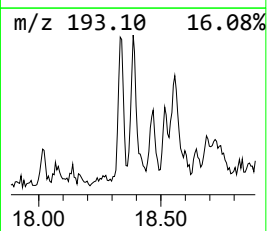
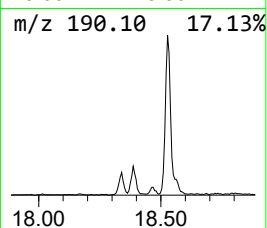
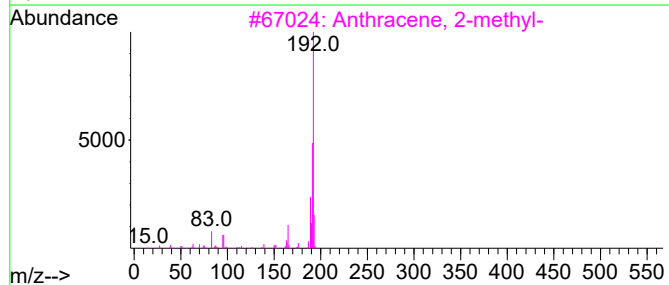
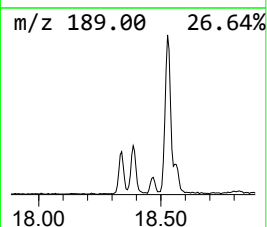
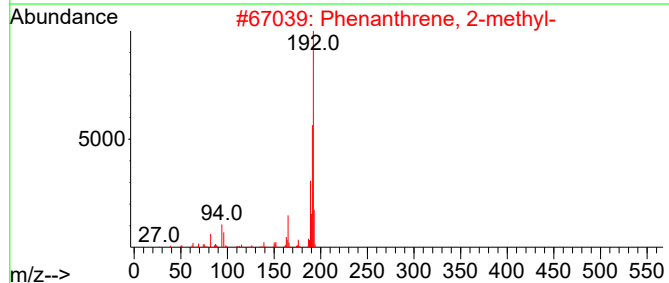
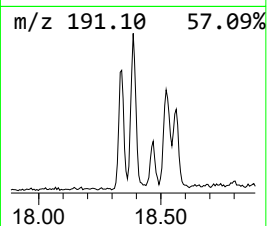
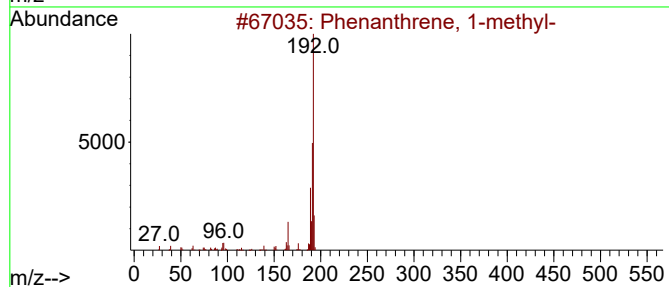
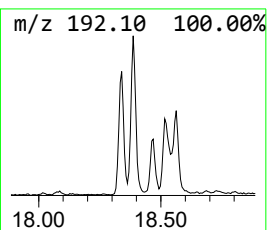
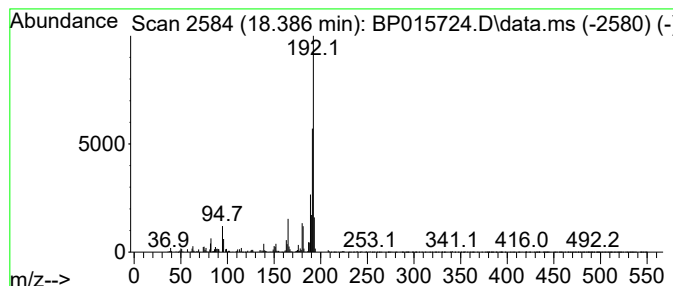
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.386 | 4.76 ng/ul | 265139 | Phenanthrene-d10 | 17.475 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 2    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 4    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 5    |      | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

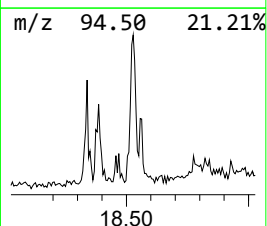
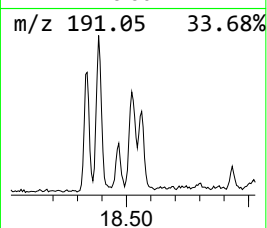
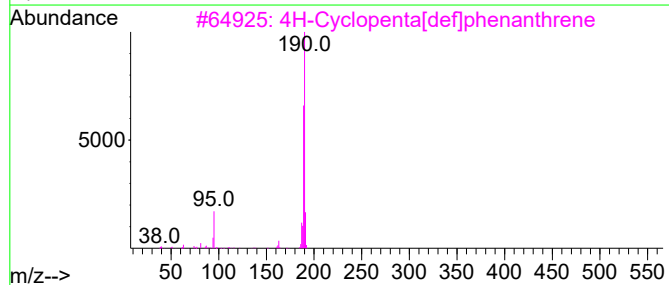
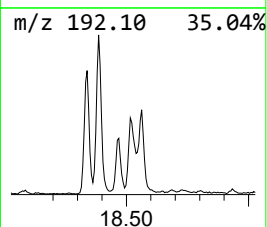
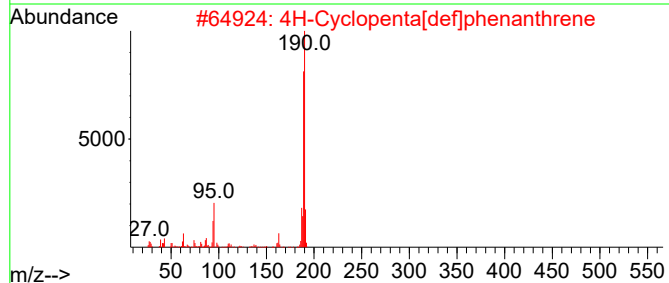
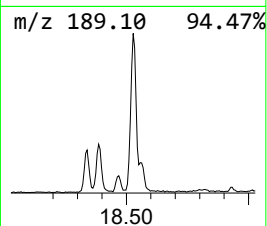
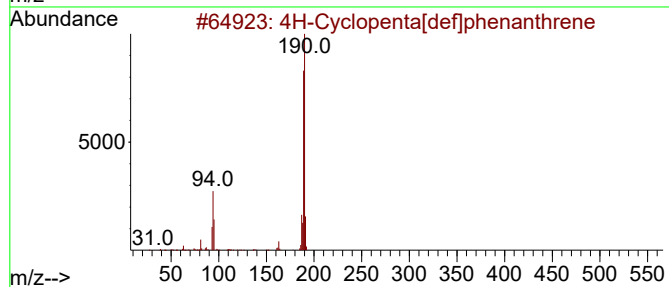
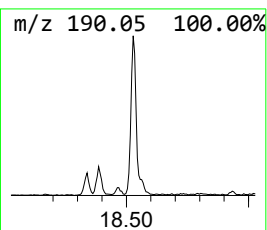
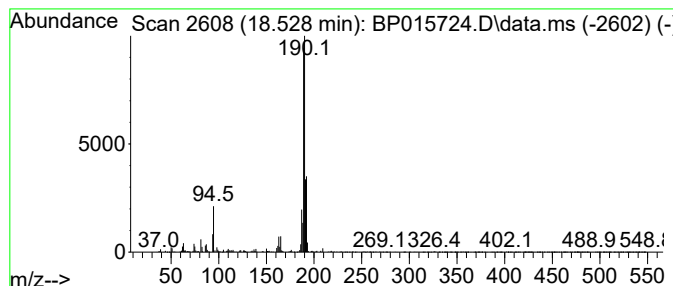
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.528 | 6.28 ng/ul | 349399 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 87   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 70   |
| 3    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 64   |
| 4    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52   |
| 5    |    |   | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10     | 083469-43-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

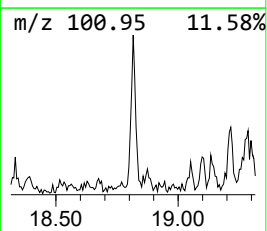
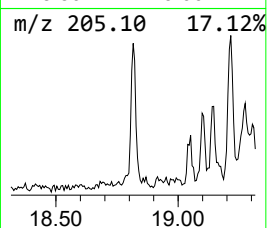
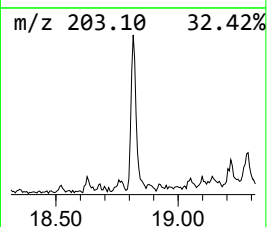
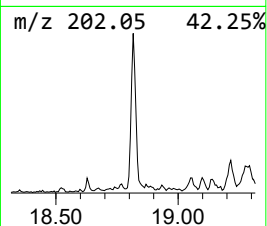
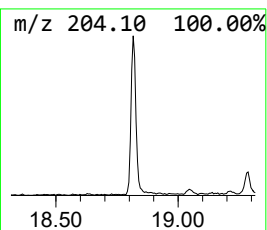
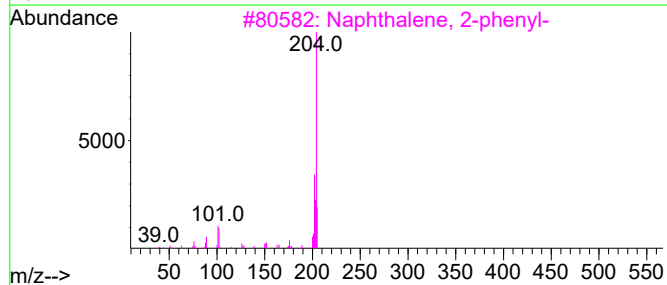
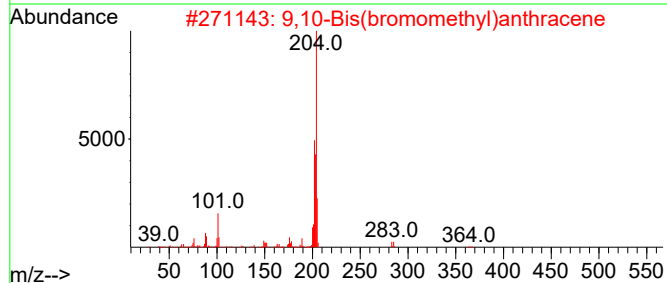
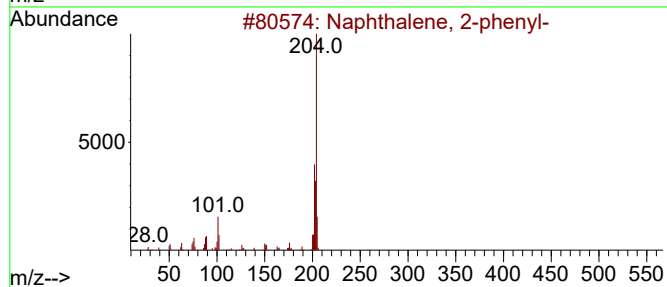
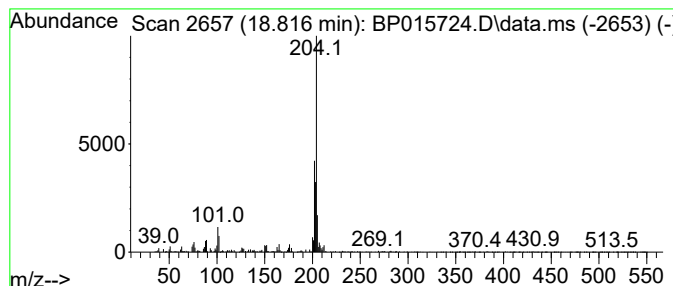
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.816 | 2.54 ng/ul | 141449 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 93   |
| 2    |    |   | 9,10-Bis(bromomethyl)anthracene     | 362 | C16H12Br2 | 034373-96-1 | 87   |
| 3    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 78   |
| 4    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 70   |
| 5    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

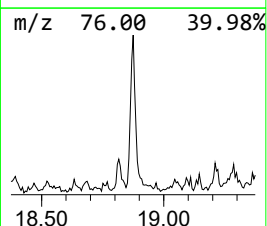
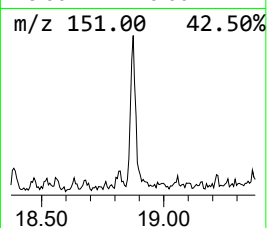
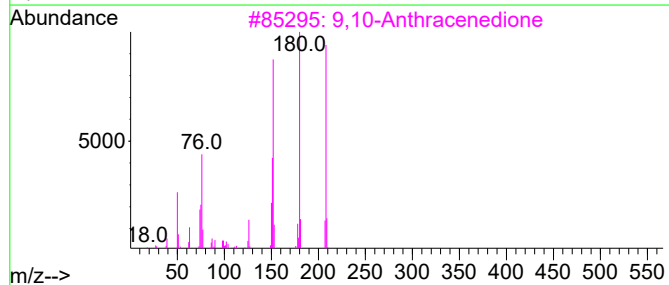
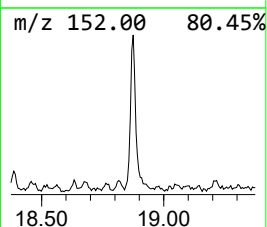
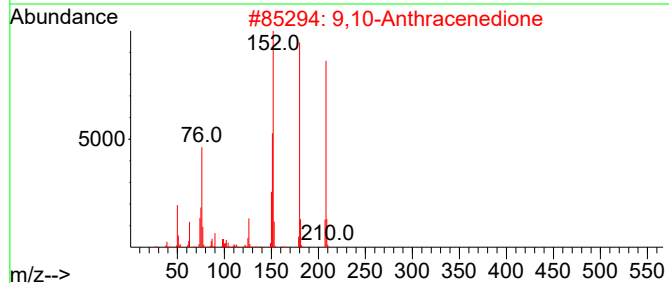
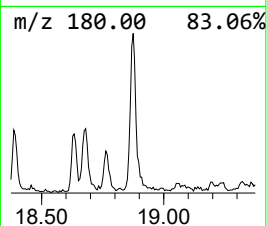
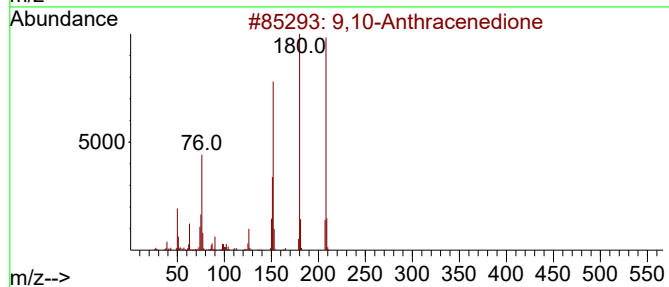
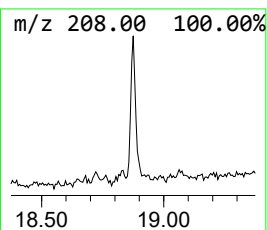
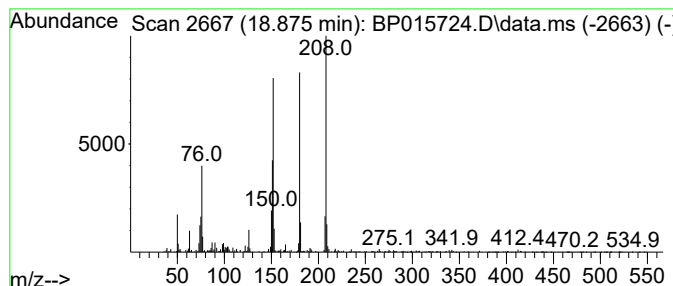
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 9,10-Anthracenedione Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.875 | 3.04 ng/ul | 169176 | Phenanthrene-d10 | 17.475 |

| Hit# | of                   | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------|---|--------------|-----|---------|-------------|------|
| 1    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 98   |
| 2    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 96   |
| 3    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 94   |
| 4    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 89   |
| 5    | Benzo[c]cinnoline    |   |              | 180 | C12H8N2 | 000230-17-1 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

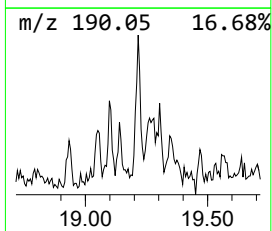
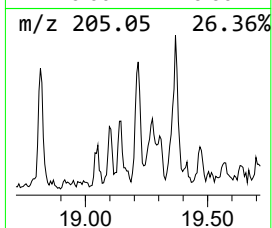
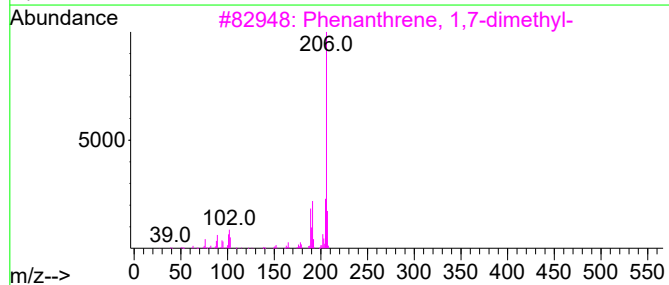
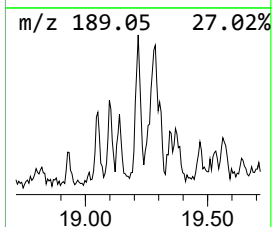
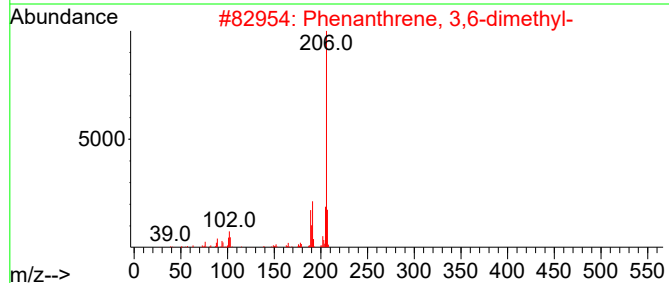
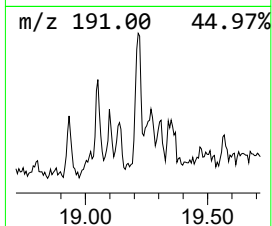
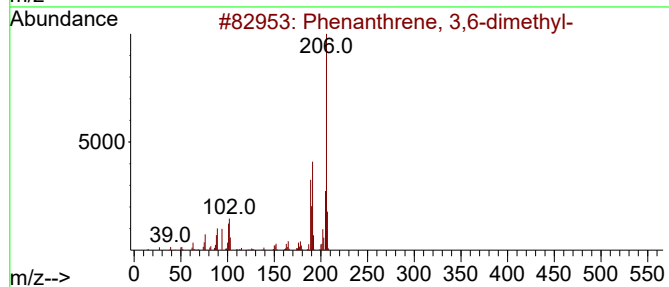
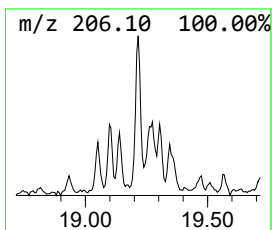
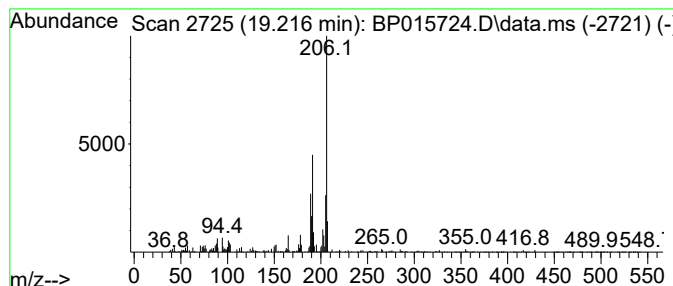
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.216 | 2.10 ng/ul | 116895 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 93   |
| 2    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 90   |
| 3    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 90   |
| 4    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 90   |
| 5    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

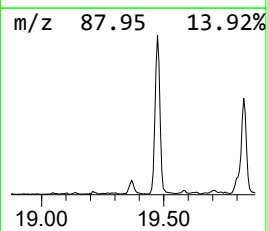
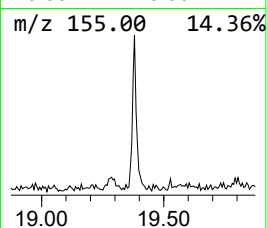
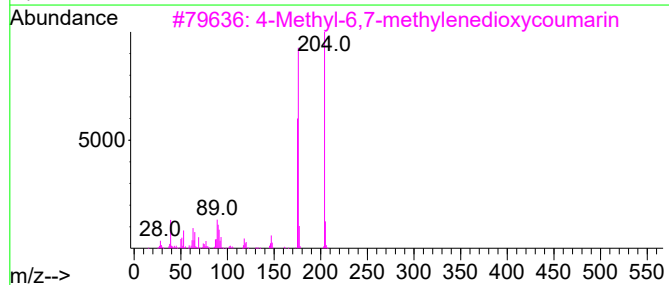
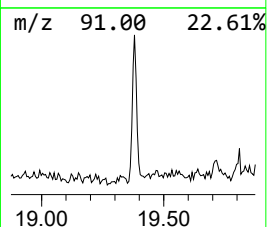
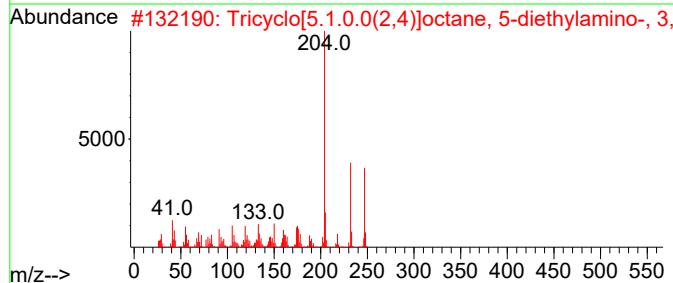
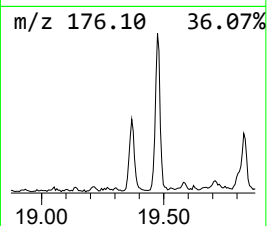
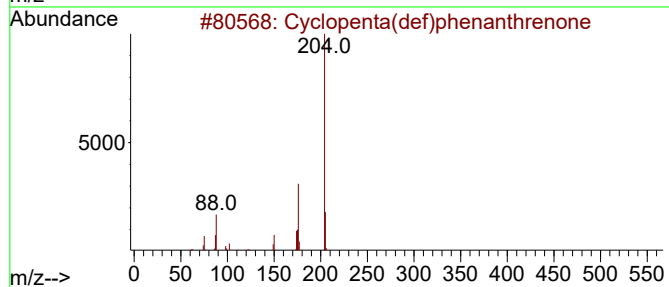
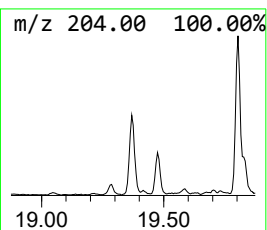
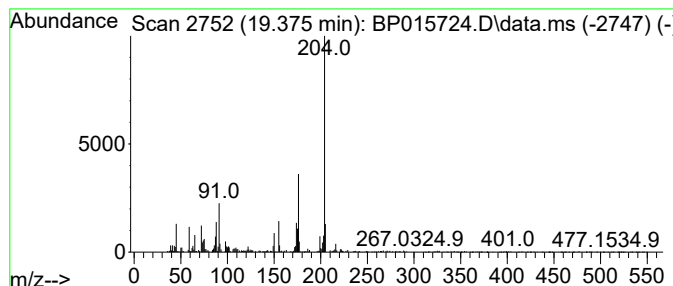
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.375 | 3.76 ng/ul | 209134 | Phenanthrene-d10 | 17.475 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclopenta(def)phenanthrenone        | 204 | C15H8O   | 005737-13-3  | 64   |
| 2    |    |   | Tricyclo[5.1.0.0(2,4)]octane, 5-...  | 247 | C17H29N  | 1000063-59-3 | 50   |
| 3    |    |   | 4-Methyl-6,7-methylenedioxy coumarin | 204 | C11H8O4  | 015071-04-2  | 49   |
| 4    |    |   | [1,1'-Biphenyl]-4,4'-dicarbonitrile  | 204 | C14H8N2  | 001591-30-6  | 47   |
| 5    |    |   | 3-(4-Fluorophenoxy)phenol            | 204 | C12H9FO2 | 025967-60-6  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

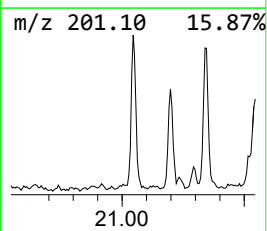
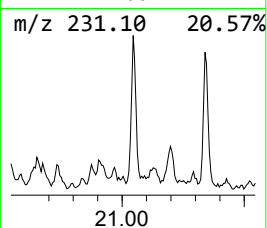
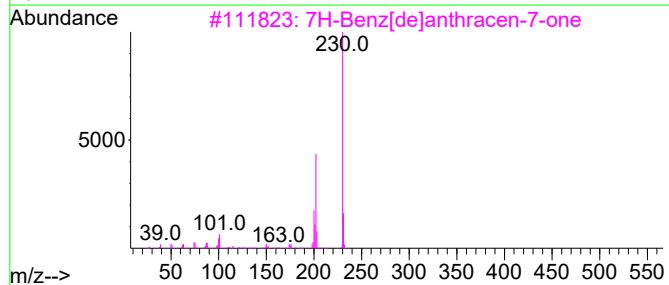
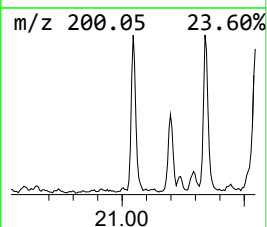
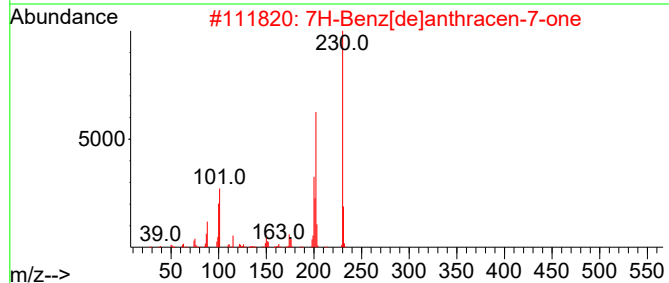
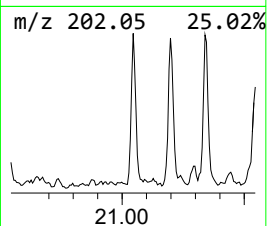
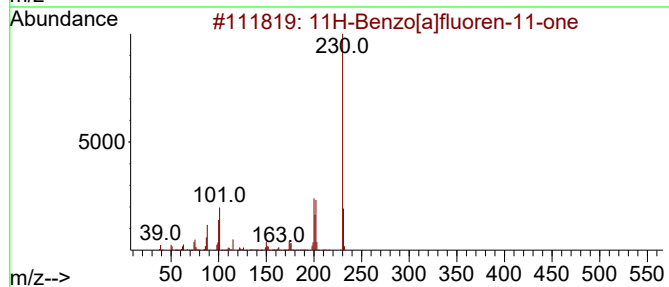
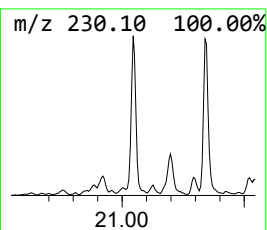
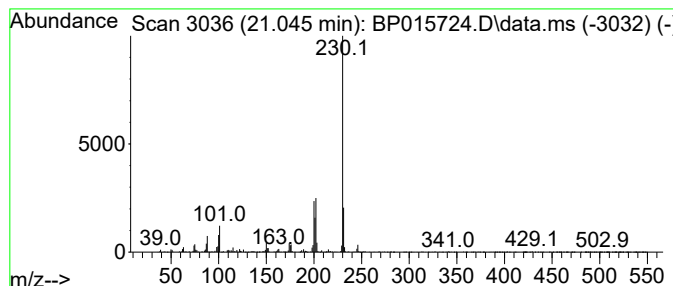
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.045 | 2.46 ng/ul | 551469 | Chrysene-d12     | 21.563 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97   |
| 2    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90   |
| 3    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90   |
| 4    |    |   | 4-Pyrenecarbaldehyde       | 230 | C17H10O | 022245-51-8 | 87   |
| 5    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

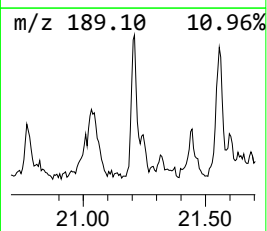
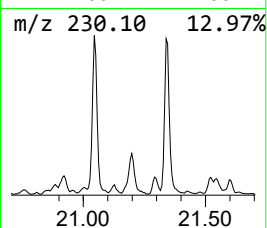
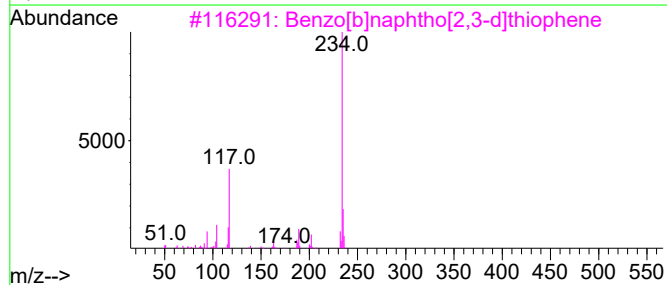
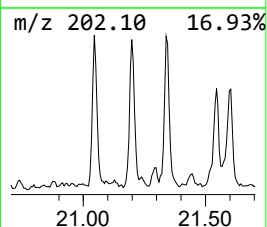
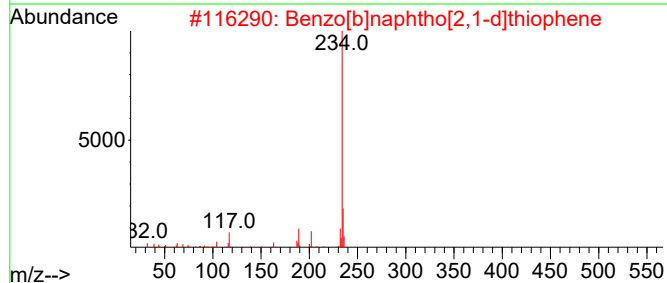
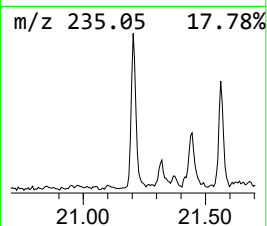
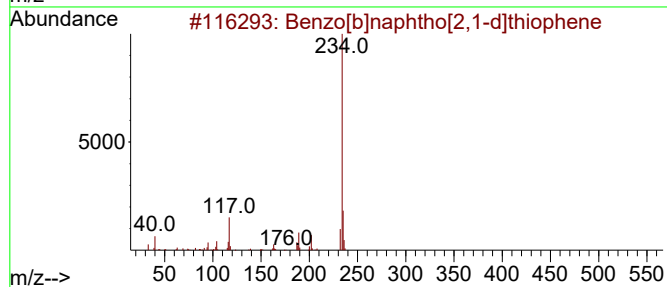
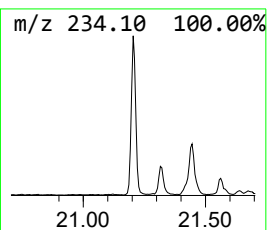
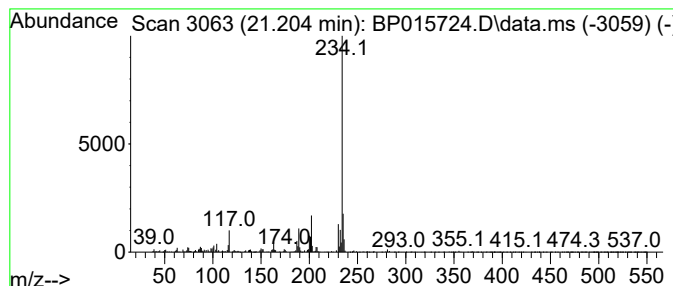
Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 8

| R.T.      | EstConc                         | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|---------------------------------|--------|------------------|---------|-------------|------|
| 21.204    | 2.58 ng/ul                      | 576261 | Chrysene-d12     |         | 21.563      |      |
| Hit# of 5 | Tentative ID                    |        | MW               | MolForm | CAS#        | Qual |
| 1         | Benzo[b]naphtho[2,1-d]thiophene |        | 234              | C16H10S | 000239-35-0 | 91   |
| 2         | Benzo[b]naphtho[2,1-d]thiophene |        | 234              | C16H10S | 000239-35-0 | 90   |
| 3         | Benzo[b]naphtho[2,3-d]thiophene |        | 234              | C16H10S | 000243-46-9 | 87   |
| 4         | Benzo[b]naphtho[2,3-d]thiophene |        | 234              | C16H10S | 000243-46-9 | 87   |
| 5         | Benzo[b]naphtho[1,2-d]thiophene |        | 234              | C16H10S | 000205-43-6 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

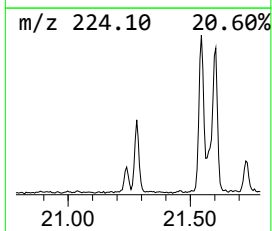
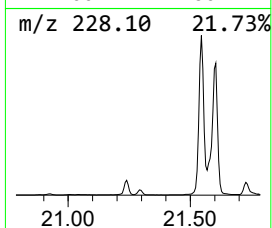
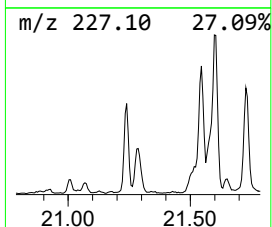
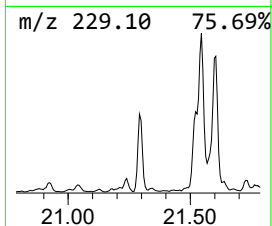
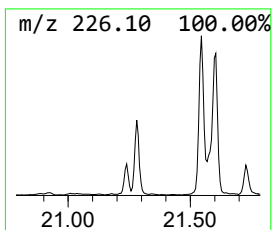
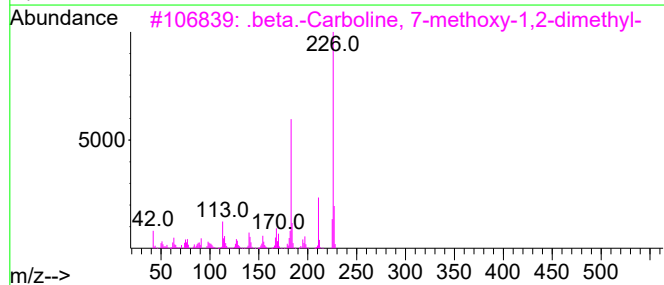
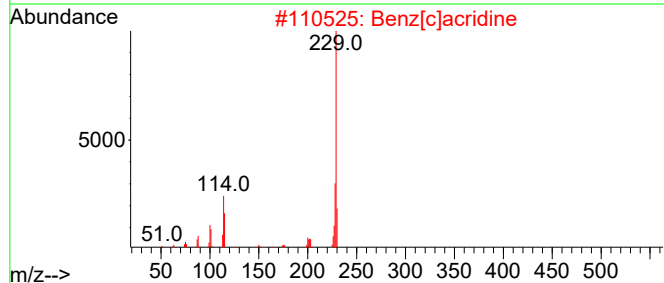
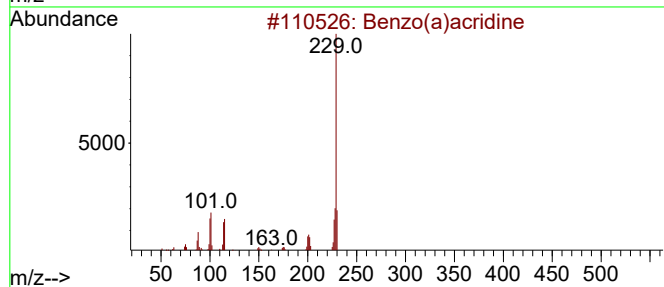
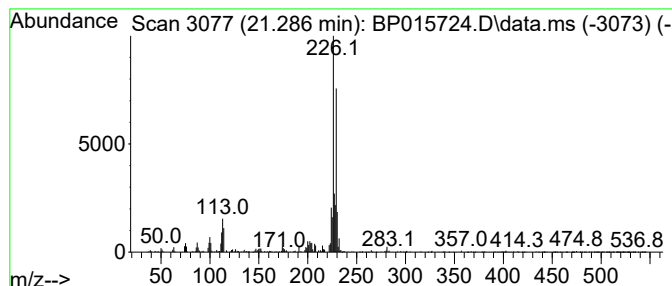
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*

Peak Number 11 unknown-01 Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 21.286    | 2.17 ng/ul                          | 485313 | Chrysene-d12     | 21.563      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzo(a)acridine                    | 229    | C17H11N          | 000225-11-6 | 41   |
| 2         | Benz[c]acridine                     | 229    | C17H11N          | 000225-51-4 | 38   |
| 3         | .beta.-Carboline, 7-methoxy-1,2-... | 226    | C14H14N2O        | 006519-18-2 | 38   |
| 4         | Cyclopenta[cd]pyrene                | 226    | C18H10           | 027208-37-3 | 38   |
| 5         | 5H-Dibenz[b,f]azepine, 3-chloro-... | 229    | C14H12ClN        | 032943-25-2 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

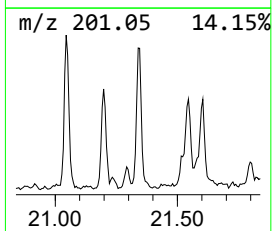
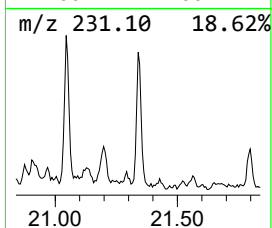
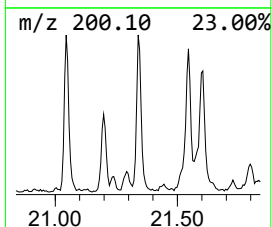
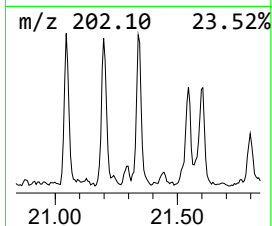
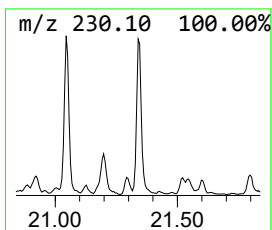
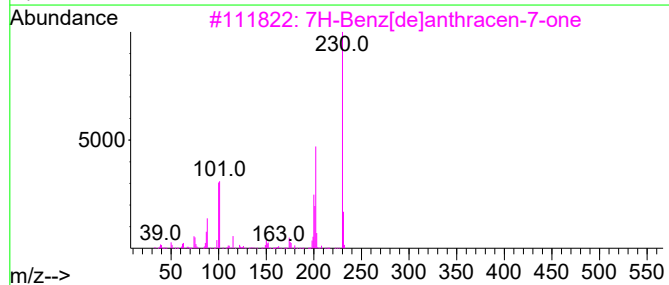
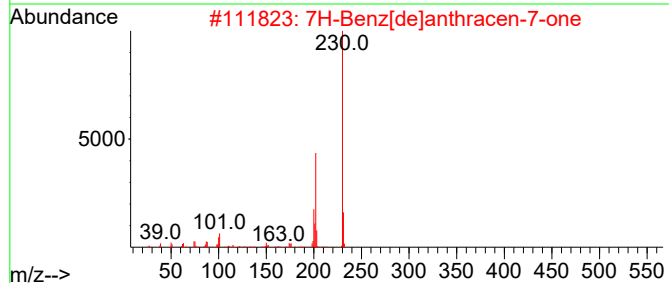
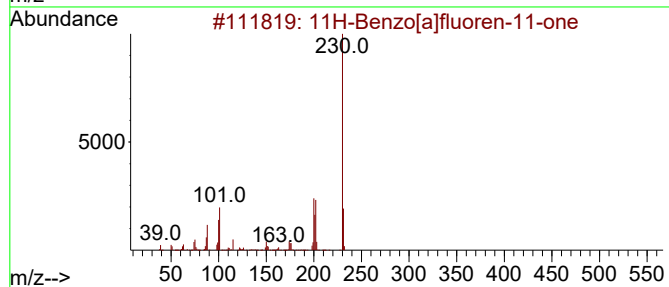
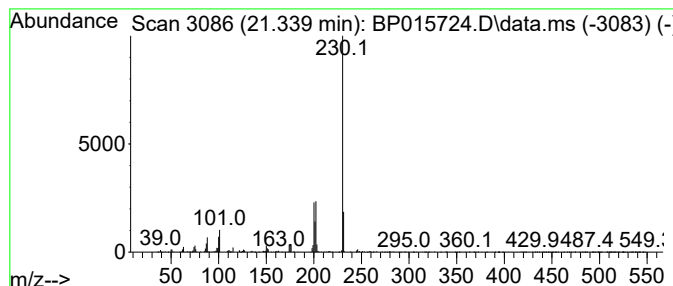
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 21.339 | 2.33 ng/ul | 521160 | Chrysene-d12     | 21.563 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 96   |
| 2    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90   |
| 3    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90   |
| 4    |    |   | 1-Pyrenecarboxaldehyde     | 230 | C17H10O | 003029-19-4 | 72   |
| 5    |    |   | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

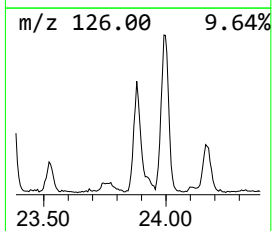
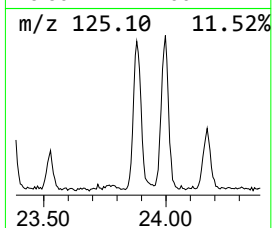
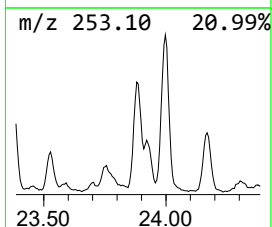
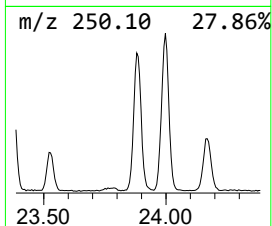
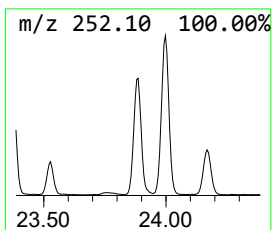
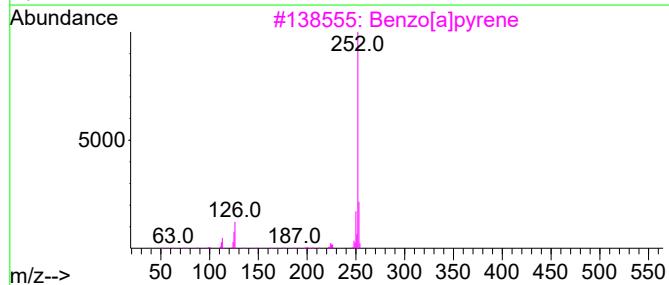
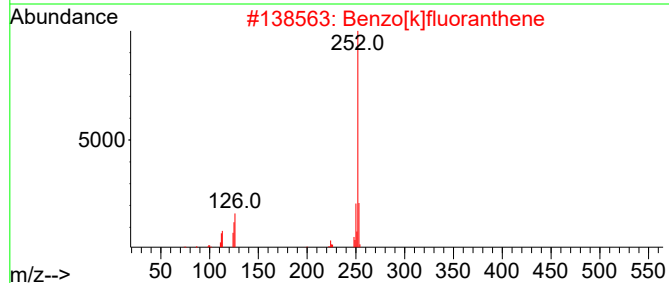
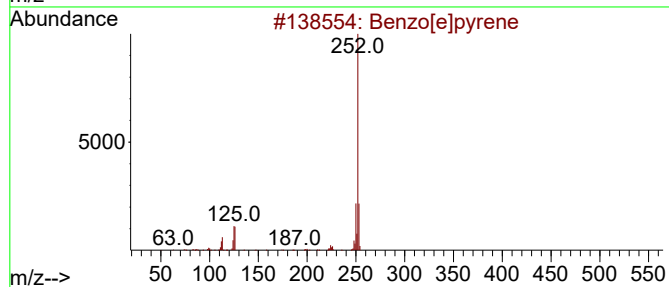
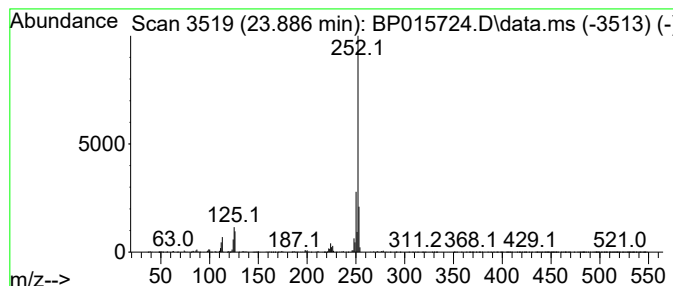
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Benzo[e]pyrene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD | R.T.   |
|--------|-------------|---------|------------------|--------|
| 23.886 | 18.65 ng/ul | 1347790 | Perylene-d12     | 24.110 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062623\  
Data File : BP015724.D  
Acq On : 26 Jun 2023 20:43  
Operator : MA/JU  
Sample : 03083-11DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFK9DL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.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 |
| Carba zole         | 17.892 | 7.2     | ng/ul | 397918   | 4                     | 17.475 | 1113270 | 20.0 |
| Phenanthrene, 1... | 18.333 | 4.9     | ng/ul | 274211   | 4                     | 17.475 | 1113270 | 20.0 |
| Phenanthrene, 2... | 18.386 | 4.8     | ng/ul | 265139   | 4                     | 17.475 | 1113270 | 20.0 |
| 4H-Cyclopenta[d... | 18.528 | 6.3     | ng/ul | 349399   | 4                     | 17.475 | 1113270 | 20.0 |
| Naphthalene, 2-... | 18.816 | 2.5     | ng/ul | 141449   | 4                     | 17.475 | 1113270 | 20.0 |
| 9,10-Anthracene... | 18.875 | 3.0     | ng/ul | 169176   | 4                     | 17.475 | 1113270 | 20.0 |
| Phenanthrene, 3... | 19.216 | 2.1     | ng/ul | 116895   | 4                     | 17.475 | 1113270 | 20.0 |
| Cyclopenta(def)... | 19.375 | 3.8     | ng/ul | 209134   | 4                     | 17.475 | 1113270 | 20.0 |
| 11H-Benzo[a]flu... | 21.045 | 2.5     | ng/ul | 551469   | 5                     | 21.563 | 4475200 | 20.0 |
| Benzo[b]naphtho... | 21.204 | 2.6     | ng/ul | 576261   | 5                     | 21.563 | 4475200 | 20.0 |
| unknown-01         | 21.286 | 2.2     | ng/ul | 485313   | 5                     | 21.563 | 4475200 | 20.0 |
| 7H-Benz[de]anth... | 21.339 | 2.3     | ng/ul | 521160   | 5                     | 21.563 | 4475200 | 20.0 |
| Benzo[e]pyrene     | 23.886 | 18.6    | ng/ul | 1347790  | 6                     | 24.110 | 1445260 | 20.0 |