

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041823\  
 Data File : BM039480.D  
 Acq On : 19 Apr 2023 05:17  
 Operator : CG/JU  
 Sample : 02335-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

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-BM041823.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM039480.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         | 3.216       | 3             | 5           | 14           | rVB      | 57502          | 72285         | 0.90%           | 0.100%        |
| 2         | 3.652       | 76            | 79          | 93           | rBV      | 117126         | 212488        | 2.65%           | 0.293%        |
| 3         | 3.969       | 130           | 133         | 140          | rVB2     | 19359          | 28094         | 0.35%           | 0.039%        |
| 4         | 5.351       | 365           | 368         | 372          | rBV      | 8289           | 9939          | 0.12%           | 0.014%        |
| 5         | 5.869       | 452           | 456         | 464          | rVB5     | 7618           | 14281         | 0.18%           | 0.020%        |
| 6         | 6.934       | 631           | 637         | 641          | rBV7     | 9089           | 20676         | 0.26%           | 0.029%        |
| 7         | 6.987       | 642           | 646         | 647          | rVV3     | 8596           | 12198         | 0.15%           | 0.017%        |
| 8         | 7.022       | 647           | 652         | 664          | rVB      | 140782         | 295481        | 3.69%           | 0.408%        |
| 9         | 7.163       | 670           | 676         | 694          | rBV      | 949099         | 1567182       | 19.57%          | 2.164%        |
| 10        | 7.363       | 703           | 710         | 730          | rBV      | 831949         | 1439153       | 17.97%          | 1.987%        |
| 11        | 7.828       | 782           | 789         | 797          | rBV      | 766948         | 1289799       | 16.10%          | 1.781%        |
| 12        | 7.898       | 797           | 801         | 817          | rVB      | 75860          | 158776        | 1.98%           | 0.219%        |
| 13        | 8.128       | 837           | 840         | 847          | rVB7     | 6530           | 11698         | 0.15%           | 0.016%        |
| 14        | 8.469       | 892           | 898         | 902          | rBV2     | 8571           | 17723         | 0.22%           | 0.024%        |
| 15        | 8.563       | 907           | 914         | 928          | rBV      | 568098         | 1092279       | 13.64%          | 1.508%        |
| 16        | 8.663       | 928           | 931         | 938          | rVB      | 24471          | 46430         | 0.58%           | 0.064%        |
| 17        | 8.939       | 971           | 978         | 983          | rBV      | 199722         | 348876        | 4.36%           | 0.482%        |
| 18        | 8.998       | 983           | 988         | 996          | rVV      | 1076838        | 1822709       | 22.76%          | 2.517%        |
| 19        | 9.163       | 1012          | 1016        | 1023         | rVB7     | 12590          | 26302         | 0.33%           | 0.036%        |
| 20        | 9.392       | 1049          | 1055        | 1061         | rBV      | 10506          | 18540         | 0.23%           | 0.026%        |
| 21        | 9.722       | 1104          | 1111        | 1128         | rBV      | 896077         | 1650801       | 20.61%          | 2.279%        |
| 22        | 10.045      | 1161          | 1166        | 1171         | rBV9     | 5036           | 10976         | 0.14%           | 0.015%        |
| 23        | 10.269      | 1197          | 1204        | 1227         | rBV      | 1111556        | 2202442       | 27.50%          | 3.041%        |
| 24        | 10.551      | 1246          | 1252        | 1260         | rBV      | 88559          | 172054        | 2.15%           | 0.238%        |
| 25        | 10.639      | 1260          | 1267        | 1274         | rVV      | 1132065        | 2011714       | 25.12%          | 2.778%        |
| 26        | 10.698      | 1274          | 1277        | 1283         | rVB      | 53908          | 83165         | 1.04%           | 0.115%        |
| 27        | 10.786      | 1285          | 1292        | 1313         | rBV      | 908440         | 1889920       | 23.59%          | 2.610%        |
| 28        | 11.316      | 1375          | 1382        | 1390         | rBV2     | 9013           | 20808         | 0.26%           | 0.029%        |
| 29        | 11.480      | 1403          | 1410        | 1411         | rBV5     | 18932          | 32980         | 0.41%           | 0.046%        |
| 30        | 11.822      | 1461          | 1468        | 1475         | rBV      | 21592          | 43425         | 0.54%           | 0.060%        |
| 31        | 11.886      | 1475          | 1479        | 1485         | rVB2     | 9213           | 15605         | 0.19%           | 0.022%        |
| 32        | 11.963      | 1485          | 1492        | 1505         | rBV      | 130712         | 321117        | 4.01%           | 0.443%        |
| 33        | 12.239      | 1532          | 1539        | 1545         | rBV3     | 20411          | 42613         | 0.53%           | 0.059%        |
| 34        | 12.833      | 1636          | 1640        | 1649         | rBV9     | 4447           | 11439         | 0.14%           | 0.016%        |
| 35        | 13.086      | 1678          | 1683        | 1690         | rVB5     | 6957           | 14162         | 0.18%           | 0.020%        |
| 36        | 13.421      | 1729          | 1740        | 1761         | rBV      | 664470         | 1258466       | 15.71%          | 1.738%        |

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Instrument :  
 BNA\_M  
 ClientSampleId :

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-BM041823.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 13.569 | 1761 | 1765 | 1780 | rVB5 | 17637   | 52399   | 0.65%   | 0.072%  |
| 38 | 13.904 | 1811 | 1822 | 1835 | rBV  | 3015576 | 4355041 | 54.37%  | 6.013%  |
| 39 | 14.180 | 1861 | 1869 | 1884 | rBV  | 3393182 | 5004383 | 62.48%  | 6.910%  |
| 40 | 14.292 | 1884 | 1888 | 1891 | rVV2 | 5620    | 9706    | 0.12%   | 0.013%  |
| 41 | 14.368 | 1897 | 1901 | 1911 | rVB3 | 16249   | 37740   | 0.47%   | 0.052%  |
| 42 | 14.486 | 1914 | 1921 | 1931 | rVV  | 1981095 | 2914474 | 36.39%  | 4.024%  |
| 43 | 14.568 | 1931 | 1935 | 1942 | rVB  | 42933   | 59838   | 0.75%   | 0.083%  |
| 44 | 14.757 | 1959 | 1967 | 1980 | rBV5 | 37108   | 167735  | 2.09%   | 0.232%  |
| 45 | 14.904 | 1987 | 1992 | 1995 | rVB7 | 5057    | 8175    | 0.10%   | 0.011%  |
| 46 | 15.163 | 2028 | 2036 | 2049 | rVB  | 56514   | 117266  | 1.46%   | 0.162%  |
| 47 | 15.304 | 2051 | 2060 | 2066 | rVB4 | 12655   | 34456   | 0.43%   | 0.048%  |
| 48 | 15.480 | 2081 | 2090 | 2107 | rBV  | 4188483 | 6236764 | 77.86%  | 8.612%  |
| 49 | 15.615 | 2107 | 2113 | 2127 | rVV  | 1384688 | 2162785 | 27.00%  | 2.986%  |
| 50 | 15.721 | 2127 | 2131 | 2136 | rVV5 | 28919   | 58020   | 0.72%   | 0.080%  |
| 51 | 15.763 | 2136 | 2138 | 2143 | rVB6 | 8057    | 11521   | 0.14%   | 0.016%  |
| 52 | 15.851 | 2149 | 2153 | 2158 | rVB  | 40544   | 57086   | 0.71%   | 0.079%  |
| 53 | 16.057 | 2182 | 2188 | 2192 | rBV6 | 17258   | 28947   | 0.36%   | 0.040%  |
| 54 | 16.104 | 2192 | 2196 | 2199 | rVV6 | 5859    | 9287    | 0.12%   | 0.013%  |
| 55 | 16.827 | 2316 | 2319 | 2323 | rVB2 | 8545    | 10943   | 0.14%   | 0.015%  |
| 56 | 17.239 | 2382 | 2389 | 2399 | rVV  | 2365345 | 3408543 | 42.55%  | 4.706%  |
| 57 | 17.339 | 2399 | 2406 | 2431 | rVV  | 4715365 | 7003102 | 87.43%  | 9.670%  |
| 58 | 17.521 | 2434 | 2437 | 2442 | rVB  | 14063   | 19427   | 0.24%   | 0.027%  |
| 59 | 17.839 | 2485 | 2491 | 2495 | rBV8 | 9824    | 21356   | 0.27%   | 0.029%  |
| 60 | 17.904 | 2497 | 2502 | 2517 | rVV  | 820414  | 1080793 | 13.49%  | 1.492%  |
| 61 | 18.074 | 2528 | 2531 | 2536 | rVB4 | 13973   | 18598   | 0.23%   | 0.026%  |
| 62 | 18.139 | 2538 | 2542 | 2550 | rBV2 | 43712   | 93256   | 1.16%   | 0.129%  |
| 63 | 18.209 | 2550 | 2554 | 2556 | rBV  | 15540   | 18896   | 0.24%   | 0.026%  |
| 64 | 18.351 | 2575 | 2578 | 2582 | rBV4 | 11621   | 14033   | 0.18%   | 0.019%  |
| 65 | 18.386 | 2582 | 2584 | 2589 | rVB4 | 18700   | 23405   | 0.29%   | 0.032%  |
| 66 | 18.639 | 2623 | 2627 | 2630 | rBV5 | 9263    | 14084   | 0.18%   | 0.019%  |
| 67 | 18.715 | 2637 | 2640 | 2644 | rVB4 | 8109    | 9023    | 0.11%   | 0.012%  |
| 68 | 19.198 | 2718 | 2722 | 2729 | rBV  | 59513   | 87059   | 1.09%   | 0.120%  |
| 69 | 19.274 | 2730 | 2735 | 2741 | rBV  | 52439   | 86848   | 1.08%   | 0.120%  |
| 70 | 19.415 | 2756 | 2759 | 2767 | rBV3 | 45369   | 96001   | 1.20%   | 0.133%  |
| 71 | 19.556 | 2781 | 2783 | 2787 | rBV4 | 12619   | 12417   | 0.16%   | 0.017%  |
| 72 | 19.633 | 2790 | 2796 | 2817 | rBV  | 5628652 | 8010002 | 100.00% | 11.060% |
| 73 | 19.868 | 2833 | 2836 | 2843 | rBV7 | 21217   | 32763   | 0.41%   | 0.045%  |
| 74 | 20.645 | 2964 | 2968 | 2977 | rBV2 | 170468  | 283554  | 3.54%   | 0.392%  |
| 75 | 21.427 | 3096 | 3101 | 3116 | rBV  | 2415722 | 3316076 | 41.40%  | 4.579%  |
| 76 | 23.644 | 3471 | 3478 | 3495 | rVB2 | 3104594 | 6327429 | 78.99%  | 8.737%  |

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Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

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-BM041823.MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 77 | 23.797 | 3497 | 3504 | 3517 | rVB2 | 1347606 | 2822889 | 35.24% | 3.898% |
|----|--------|------|------|------|------|---------|---------|--------|--------|

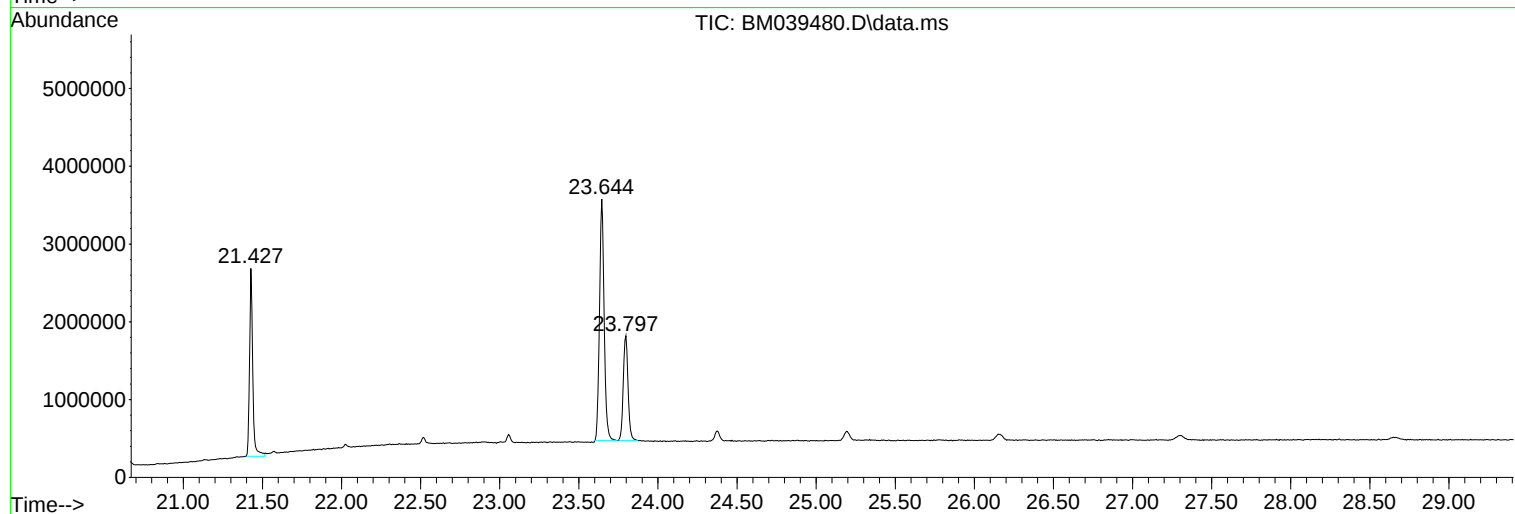
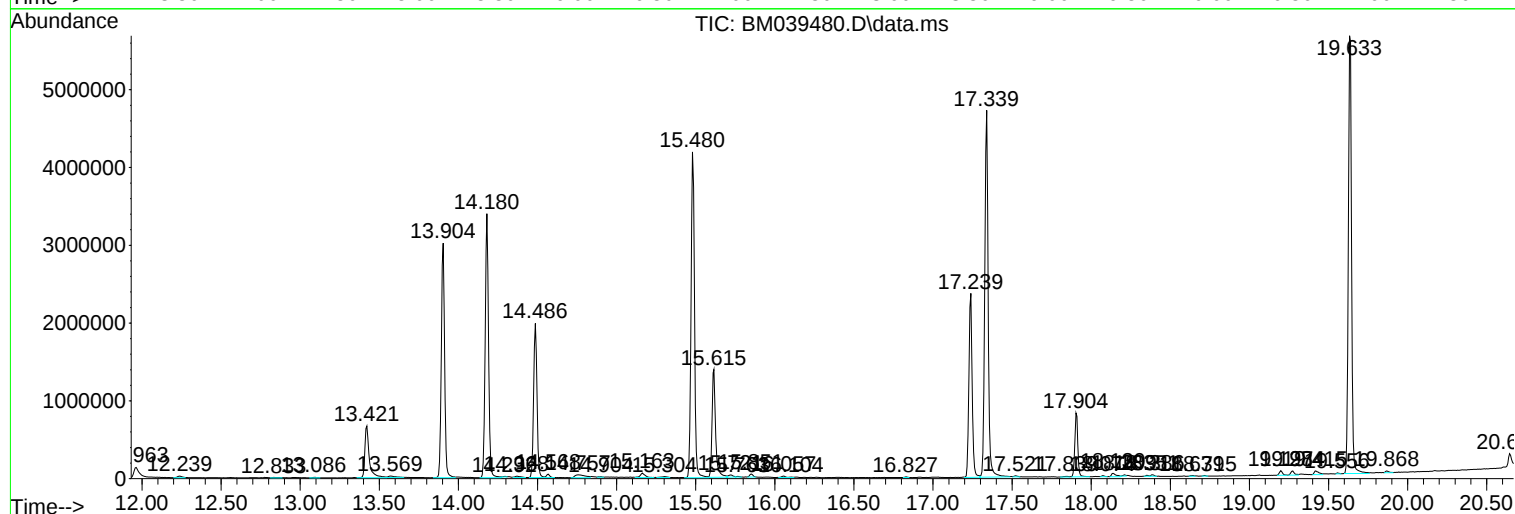
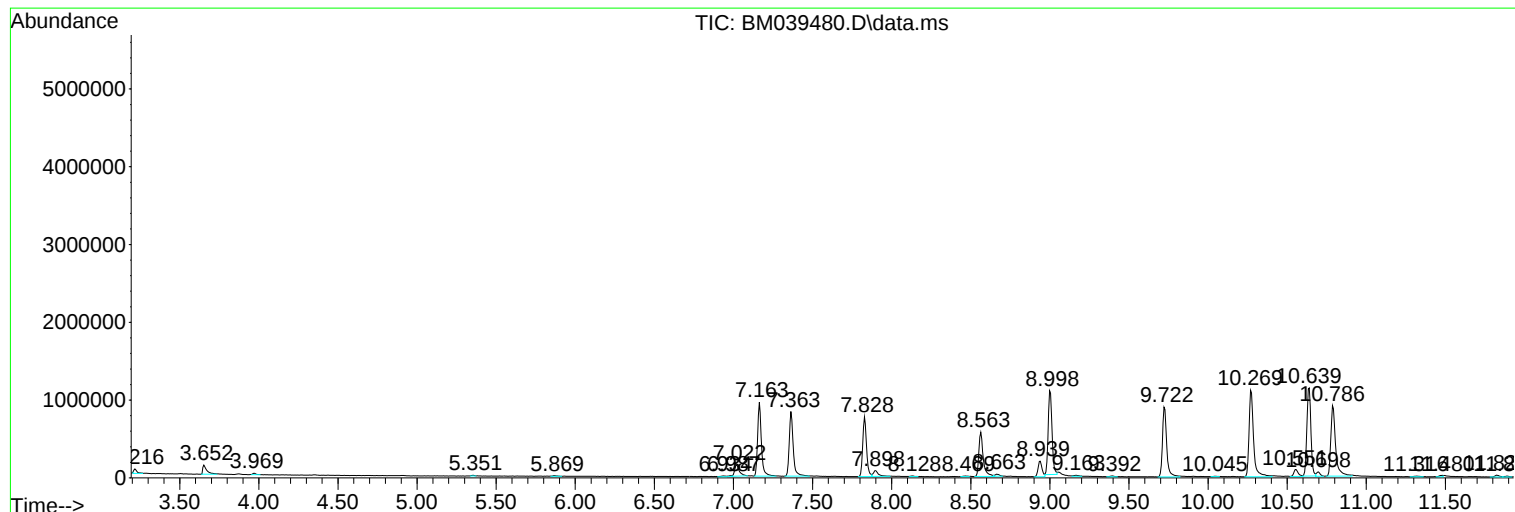
Sum of corrected areas: 72422716

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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.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\BM041823\  
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Sample : 02335-12  
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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

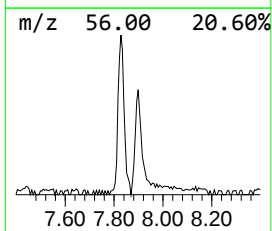
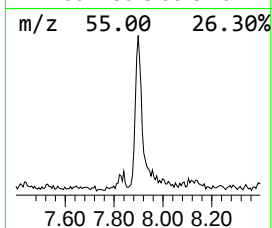
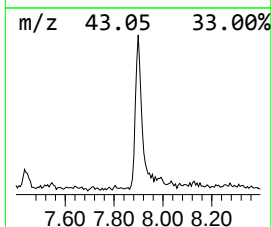
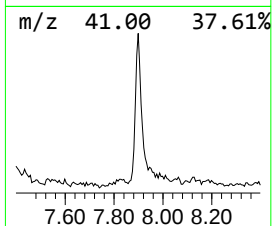
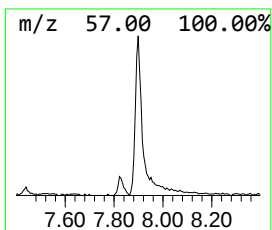
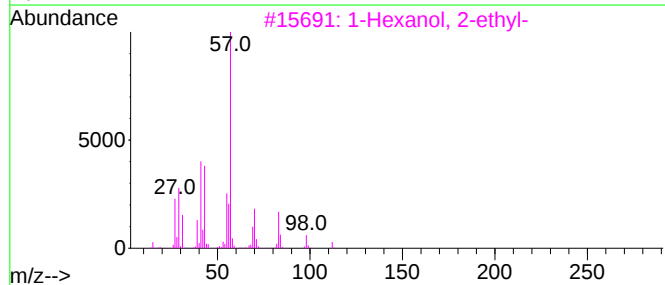
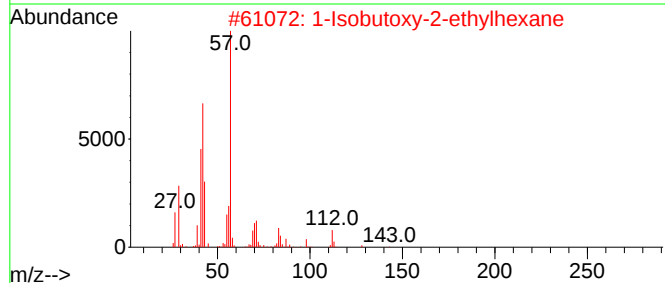
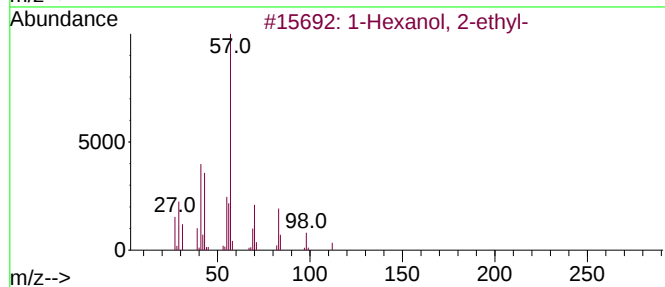
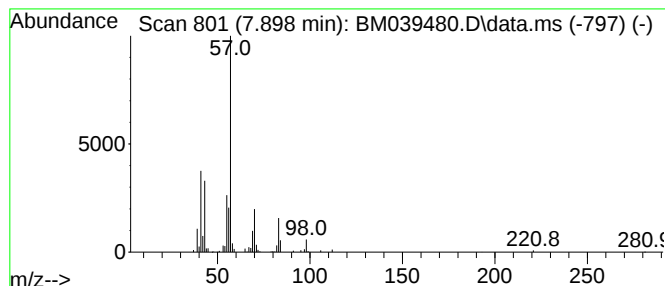
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 7.898 | 2.46 ng/ul | 158776 | 1,4-Dichlorobenzene-d4 | 7.828 |

| Hit# | of                            | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|-------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | 1-Hexanol, 2-ethyl-           |   |              | 130 | C8H18O  | 000104-76-7  | 83   |
| 2    | 1-Isobutoxy-2-ethylhexane     |   |              | 186 | C12H26O | 1000139-90-3 | 72   |
| 3    | 1-Hexanol, 2-ethyl-           |   |              | 130 | C8H18O  | 000104-76-7  | 64   |
| 4    | 1-Pentanol, 2-ethyl-4-methyl- |   |              | 130 | C8H18O  | 000106-67-2  | 64   |
| 5    | 1-Hexanol, 2-ethyl-           |   |              | 130 | C8H18O  | 000104-76-7  | 64   |



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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

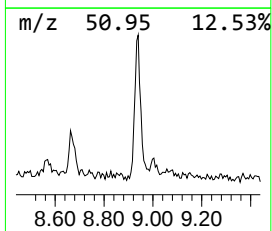
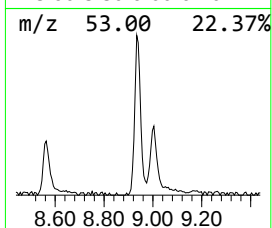
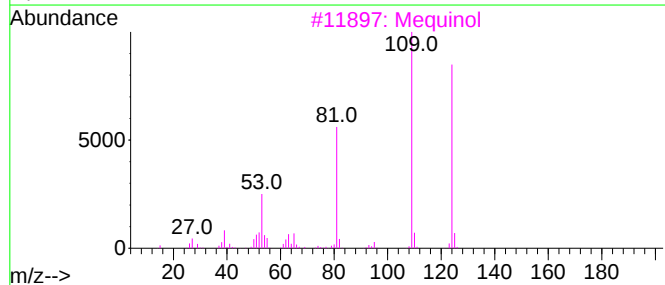
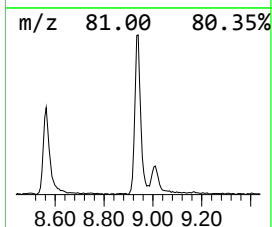
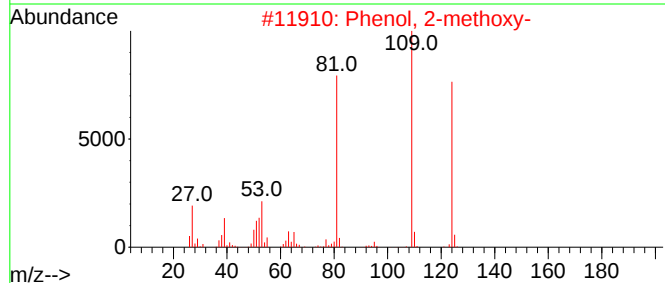
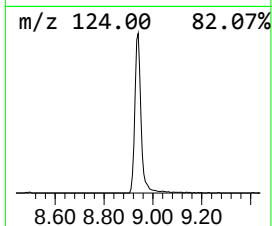
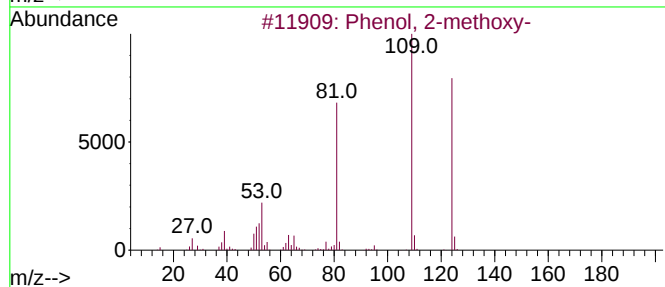
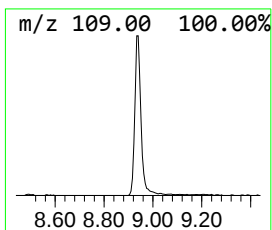
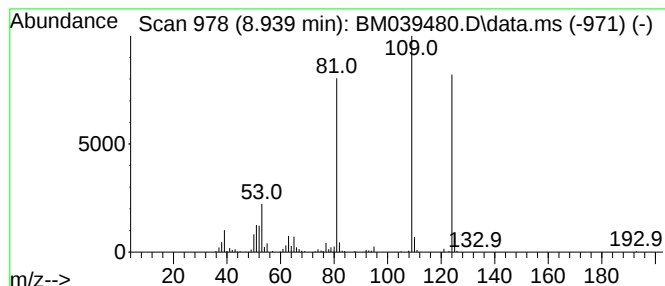
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phenol, 2-methoxy- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.939 | 5.41 ng/ul | 348876 | 1,4-Dichlorobenzene-d4 | 7.828 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Phenol, 2-methoxy- | 124 | C7H8O2  | 000090-05-1 | 96   |
| 2    |    |   | Phenol, 2-methoxy- | 124 | C7H8O2  | 000090-05-1 | 94   |
| 3    |    |   | Mequinol           | 124 | C7H8O2  | 000150-76-5 | 91   |
| 4    |    |   | Phenol, 2-methoxy- | 124 | C7H8O2  | 000090-05-1 | 90   |
| 5    |    |   | Phenol, 2-methoxy- | 124 | C7H8O2  | 000090-05-1 | 89   |



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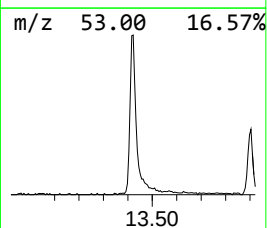
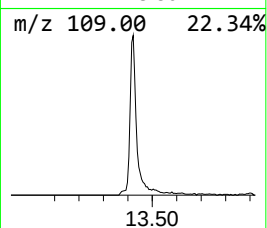
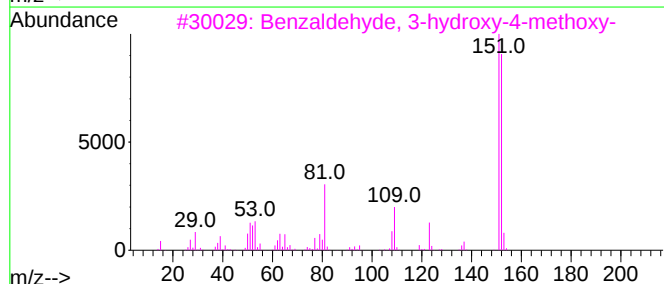
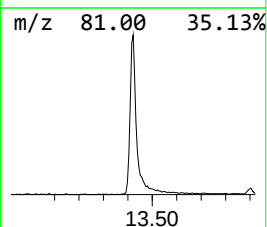
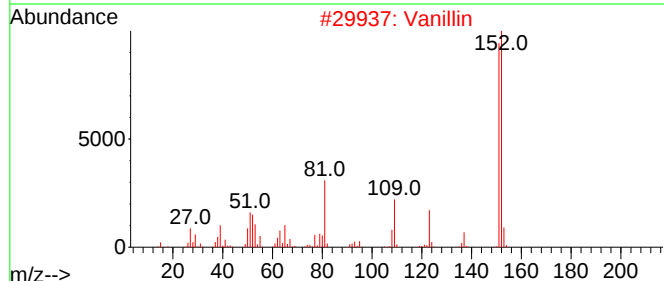
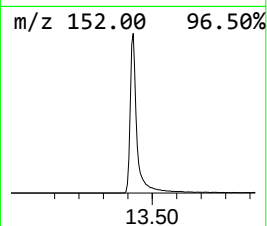
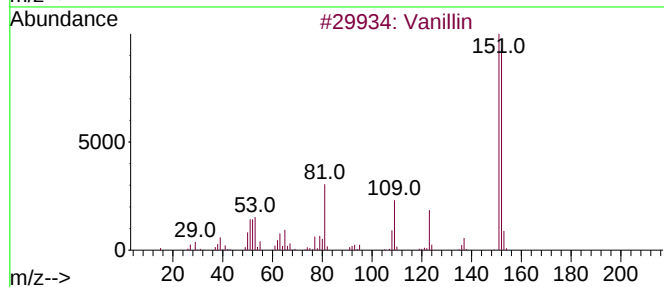
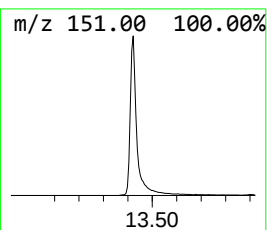
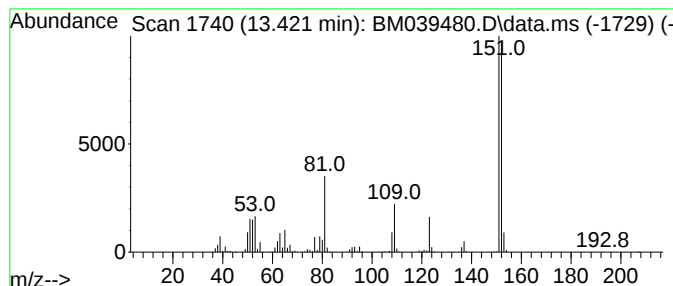
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Vanillin Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 13.422 | 8.64 ng/ul | 1258470 | Acenaphthene-d10 | 14.486 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 97   |
| 2    |    |   | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 97   |
| 3    |    |   | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3  | 000621-59-0 | 97   |
| 4    |    |   | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 97   |
| 5    |    |   | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3  | 000621-59-0 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041823\  
Data File : BM039480.D  
Acq On : 19 Apr 2023 05:17  
Operator : CG/JU  
Sample : 02335-12  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

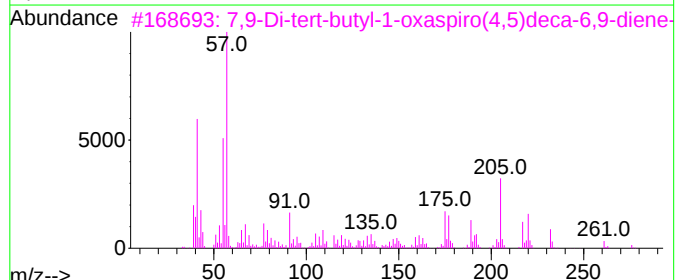
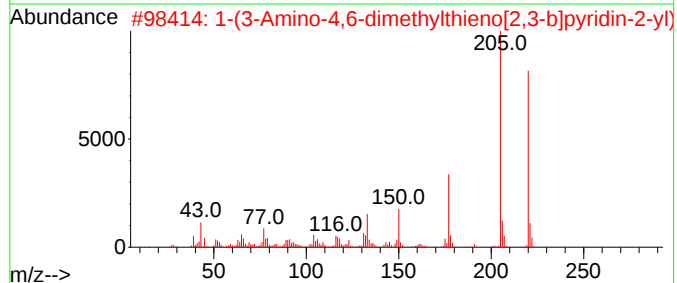
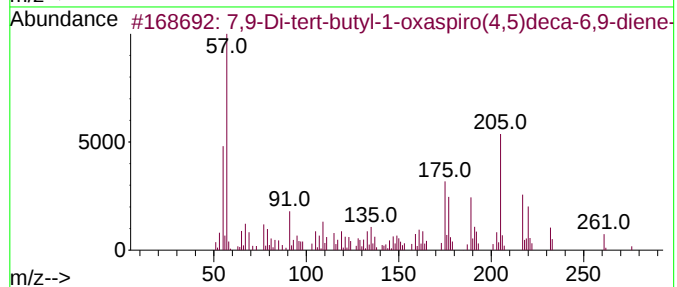
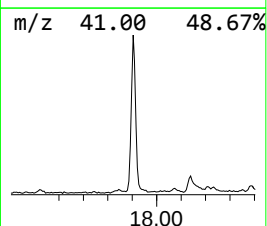
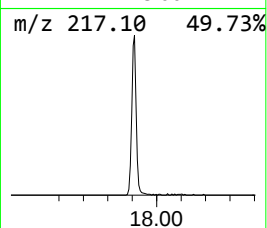
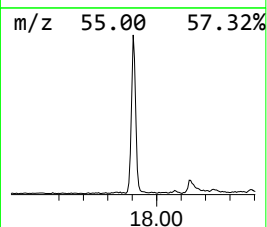
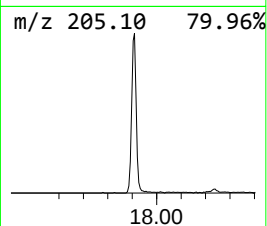
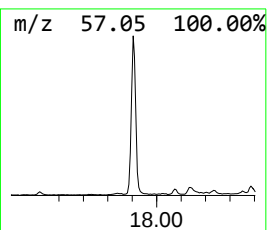
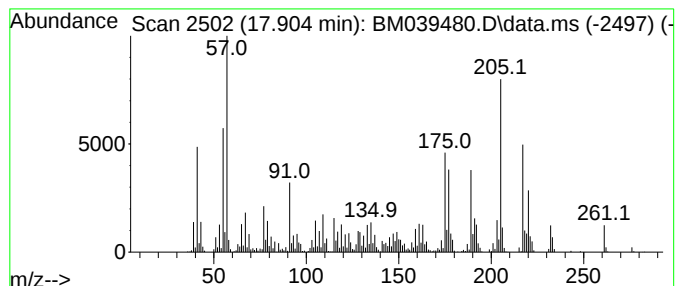
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 17.904 | 6.34 ng/ul | 1080790 | Phenanthrene-d10 | 17.239 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3  | 99      |      |      |
| 2    | 1-(3-Amino-4,6-dimethylthieno[2,... | 220 | C11H12N2OS   | 052505-42-7  | 55      |      |      |
| 3    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3  | 55      |      |      |
| 4    | (Z)-((2-Benzylideneheptyl)oxy)tr... | 276 | C17H28OSi    | 1000495-65-9 | 51      |      |      |
| 5    | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2     | 071596-88-8  | 50      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041823\  
Data File : BM039480.D  
Acq On : 19 Apr 2023 05:17  
Operator : CG/JU  
Sample : 02335-12  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM041823.MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 1-Hexanol, 2-et... | 7.898  | 2.5     | ng/ul | 158776   | 1                     | 7.828  | 1289800 | 20.0 |
| Phenol, 2-methoxy- | 8.939  | 5.4     | ng/ul | 348876   | 1                     | 7.828  | 1289800 | 20.0 |
| Vanillin           | 13.422 | 8.6     | ng/ul | 1258470  | 3                     | 14.486 | 2914470 | 20.0 |
| 7,9-Di-tert-but... | 17.904 | 6.3     | ng/ul | 1080790  | 4                     | 17.239 | 3408540 | 20.0 |