

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051728.D  
 Acq On : 21 Dec 2021 23:00  
 Operator : CG/JU  
 Sample : M5126-06  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0J23

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\_G\Methods\SFAM-EPA-BG121421.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG051728.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         | 3.599       | 14            | 19          | 25           | rBV3     | 9299           | 13245         | 1.07%           | 0.106%        |
| 2         | 3.676       | 30            | 32          | 36           | rBV3     | 2696           | 3199          | 0.26%           | 0.026%        |
| 3         | 4.028       | 88            | 92          | 101          | rBV      | 39254          | 69420         | 5.59%           | 0.554%        |
| 4         | 4.380       | 148           | 152         | 156          | rVB4     | 2805           | 4170          | 0.34%           | 0.033%        |
| 5         | 5.315       | 307           | 311         | 318          | rBV3     | 1785           | 3387          | 0.27%           | 0.027%        |
| 6         | 5.761       | 382           | 387         | 392          | rBV      | 2685           | 4970          | 0.40%           | 0.040%        |
| 7         | 6.278       | 470           | 475         | 480          | rBV3     | 14714          | 23132         | 1.86%           | 0.185%        |
| 8         | 7.400       | 656           | 666         | 674          | rBV      | 45230          | 81091         | 6.54%           | 0.647%        |
| 9         | 7.576       | 689           | 696         | 704          | rBV      | 134199         | 224222        | 18.07%          | 1.790%        |
| 10        | 7.799       | 727           | 734         | 741          | rBV      | 141411         | 244048        | 19.67%          | 1.948%        |
| 11        | 8.275       | 807           | 815         | 821          | rBV      | 138365         | 240766        | 19.40%          | 1.922%        |
| 12        | 8.322       | 822           | 823         | 829          | rVB3     | 3136           | 2911          | 0.23%           | 0.023%        |
| 13        | 8.968       | 926           | 933         | 942          | rVB      | 114483         | 199549        | 16.08%          | 1.593%        |
| 14        | 9.098       | 950           | 955         | 961          | rBV3     | 3734           | 6619          | 0.53%           | 0.053%        |
| 15        | 9.438       | 1004          | 1013        | 1023         | rVB      | 188036         | 329301        | 26.54%          | 2.629%        |
| 16        | 9.867       | 1081          | 1086        | 1090         | rVB3     | 3049           | 4499          | 0.36%           | 0.036%        |
| 17        | 10.173      | 1130          | 1138        | 1146         | rBV      | 146579         | 264036        | 21.28%          | 2.108%        |
| 18        | 10.719      | 1221          | 1231        | 1240         | rBV      | 214711         | 387929        | 31.26%          | 3.097%        |
| 19        | 11.113      | 1290          | 1298        | 1305         | rBV      | 191276         | 350109        | 28.21%          | 2.795%        |
| 20        | 11.230      | 1308          | 1318        | 1327         | rBV      | 216044         | 394707        | 31.81%          | 3.151%        |
| 21        | 11.753      | 1400          | 1407        | 1415         | rVB      | 89509          | 164544        | 13.26%          | 1.314%        |
| 22        | 11.876      | 1424          | 1428        | 1436         | rBV4     | 3736           | 7814          | 0.63%           | 0.062%        |
| 23        | 12.364      | 1507          | 1511        | 1516         | rBV3     | 2364           | 3339          | 0.27%           | 0.027%        |
| 24        | 12.681      | 1559          | 1565        | 1569         | rBV2     | 3914           | 6818          | 0.55%           | 0.054%        |
| 25        | 13.879      | 1764          | 1769        | 1776         | rVB2     | 1119           | 2489          | 0.20%           | 0.020%        |
| 26        | 13.962      | 1778          | 1783        | 1788         | rVV2     | 8348           | 11959         | 0.96%           | 0.095%        |
| 27        | 14.296      | 1834          | 1840        | 1849         | rBV      | 450423         | 648400        | 52.25%          | 5.177%        |
| 28        | 14.602      | 1886          | 1892        | 1899         | rVV      | 481819         | 756784        | 60.99%          | 6.042%        |
| 29        | 14.907      | 1938          | 1944        | 1953         | rVB      | 327080         | 506181        | 40.79%          | 4.041%        |
| 30        | 15.072      | 1966          | 1972        | 1979         | rBV2     | 34438          | 59310         | 4.78%           | 0.474%        |
| 31        | 15.695      | 2072          | 2078        | 2083         | rBV3     | 3508           | 5952          | 0.48%           | 0.048%        |
| 32        | 15.894      | 2106          | 2112        | 2119         | rBV2     | 625791         | 983189        | 79.23%          | 7.849%        |
| 33        | 15.994      | 2123          | 2129        | 2137         | rVV      | 143101         | 219214        | 17.67%          | 1.750%        |
| 34        | 16.141      | 2145          | 2154        | 2159         | rVB3     | 3219           | 6954          | 0.56%           | 0.056%        |
| 35        | 16.247      | 2167          | 2172        | 2177         | rVB4     | 3131           | 5574          | 0.45%           | 0.045%        |
| 36        | 16.388      | 2193          | 2196        | 2202         | rVV4     | 2325           | 2722          | 0.22%           | 0.022%        |

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 Sample : M5126-06  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0J23

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\_G\Methods\SFAM-EPA-BG121421.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 37 | 16.817 | 2263 | 2269 | 2278 | rVB  | 390342 | 552024  | 44.49%  | 4.407% |
| 38 | 17.140 | 2323 | 2324 | 2329 | rVV  | 1875   | 2221    | 0.18%   | 0.018% |
| 39 | 17.210 | 2331 | 2336 | 2337 | rVV3 | 1498   | 2177    | 0.18%   | 0.017% |
| 40 | 17.234 | 2337 | 2340 | 2345 | rVB2 | 4638   | 6454    | 0.52%   | 0.052% |
| 41 | 17.433 | 2369 | 2374 | 2379 | rVB2 | 13137  | 19900   | 1.60%   | 0.159% |
| 42 | 17.657 | 2404 | 2412 | 2420 | rVV  | 415101 | 626314  | 50.47%  | 5.000% |
| 43 | 17.756 | 2422 | 2429 | 2437 | rVV  | 707001 | 1100370 | 88.68%  | 8.785% |
| 44 | 17.815 | 2437 | 2439 | 2446 | rVB6 | 3998   | 7160    | 0.58%   | 0.057% |
| 45 | 17.915 | 2453 | 2456 | 2458 | rBV3 | 2879   | 2680    | 0.22%   | 0.021% |
| 46 | 17.980 | 2463 | 2467 | 2470 | rBV4 | 1963   | 3092    | 0.25%   | 0.025% |
| 47 | 18.309 | 2518 | 2523 | 2527 | rBV2 | 38746  | 51493   | 4.15%   | 0.411% |
| 48 | 18.426 | 2541 | 2543 | 2545 | rVB3 | 3980   | 3494    | 0.28%   | 0.028% |
| 49 | 18.479 | 2548 | 2552 | 2555 | rBV4 | 9371   | 12919   | 1.04%   | 0.103% |
| 50 | 18.597 | 2568 | 2572 | 2574 | rBV3 | 3550   | 4113    | 0.33%   | 0.033% |
| 51 | 18.696 | 2587 | 2589 | 2594 | rVB5 | 2863   | 3220    | 0.26%   | 0.026% |
| 52 | 18.790 | 2601 | 2605 | 2609 | rBV5 | 5247   | 7921    | 0.64%   | 0.063% |
| 53 | 19.025 | 2643 | 2645 | 2648 | rVB4 | 4750   | 3060    | 0.25%   | 0.024% |
| 54 | 19.231 | 2678 | 2680 | 2681 | rBV2 | 3243   | 2519    | 0.20%   | 0.020% |
| 55 | 19.325 | 2695 | 2696 | 2701 | rVV5 | 2536   | 2563    | 0.21%   | 0.020% |
| 56 | 19.472 | 2717 | 2721 | 2724 | rBV4 | 4339   | 4282    | 0.35%   | 0.034% |
| 57 | 19.595 | 2738 | 2742 | 2748 | rBV5 | 11867  | 18401   | 1.48%   | 0.147% |
| 58 | 19.660 | 2750 | 2753 | 2757 | rBV  | 10338  | 15494   | 1.25%   | 0.124% |
| 59 | 19.771 | 2771 | 2772 | 2775 | rVB3 | 3740   | 3118    | 0.25%   | 0.025% |
| 60 | 19.801 | 2775 | 2777 | 2778 | rBV2 | 3532   | 2438    | 0.20%   | 0.019% |
| 61 | 19.883 | 2789 | 2791 | 2793 | rBV2 | 3359   | 2479    | 0.20%   | 0.020% |
| 62 | 20.030 | 2810 | 2816 | 2823 | rVB  | 856726 | 1240866 | 100.00% | 9.906% |
| 63 | 20.077 | 2823 | 2824 | 2826 | rBV2 | 4971   | 4535    | 0.37%   | 0.036% |
| 64 | 20.171 | 2838 | 2840 | 2843 | rVB4 | 5494   | 4738    | 0.38%   | 0.038% |
| 65 | 20.335 | 2867 | 2868 | 2869 | rBV  | 4292   | 2573    | 0.21%   | 0.021% |
| 66 | 20.353 | 2869 | 2871 | 2872 | rVB2 | 4090   | 2432    | 0.20%   | 0.019% |
| 67 | 20.917 | 2965 | 2967 | 2968 | rBV2 | 5447   | 4137    | 0.33%   | 0.033% |
| 68 | 21.011 | 2981 | 2983 | 2984 | rBV2 | 4777   | 2558    | 0.21%   | 0.020% |
| 69 | 21.170 | 3008 | 3010 | 3012 | rBV3 | 4936   | 2783    | 0.22%   | 0.022% |
| 70 | 21.686 | 3096 | 3098 | 3100 | rBV3 | 11159  | 10914   | 0.88%   | 0.087% |
| 71 | 21.910 | 3135 | 3136 | 3138 | rBV2 | 4367   | 2809    | 0.23%   | 0.022% |
| 72 | 21.974 | 3140 | 3147 | 3154 | rVV  | 345856 | 617921  | 49.80%  | 4.933% |
| 73 | 22.820 | 3289 | 3291 | 3292 | rBV2 | 5257   | 3495    | 0.28%   | 0.028% |
| 74 | 23.173 | 3349 | 3351 | 3352 | rBV2 | 5397   | 3346    | 0.27%   | 0.027% |
| 75 | 23.889 | 3471 | 3473 | 3474 | rBV2 | 5130   | 2376    | 0.19%   | 0.019% |
| 76 | 23.983 | 3487 | 3489 | 3490 | rBV2 | 4111   | 2193    | 0.18%   | 0.018% |

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 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0J23

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\_G\Methods\SFAM-EPA-BG121421.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 24.054 | 3500 | 3501 | 3503 | rBV2 | 4215   | 3480    | 0.28%  | 0.028% |
| 78  | 24.406 | 3559 | 3561 | 3563 | rBV3 | 3323   | 2599    | 0.21%  | 0.021% |
| 79  | 24.477 | 3569 | 3573 | 3574 | rBV4 | 9436   | 11062   | 0.89%  | 0.088% |
| 80  | 24.583 | 3589 | 3591 | 3592 | rBV2 | 4499   | 2791    | 0.22%  | 0.022% |
| 81  | 24.630 | 3597 | 3599 | 3601 | rBV3 | 4314   | 4608    | 0.37%  | 0.037% |
| 82  | 24.677 | 3605 | 3607 | 3612 | rBV6 | 4876   | 10281   | 0.83%  | 0.082% |
| 83  | 25.023 | 3663 | 3666 | 3667 | rBV3 | 4436   | 4825    | 0.39%  | 0.039% |
| 84  | 25.235 | 3691 | 3702 | 3713 | rVB2 | 371684 | 1157776 | 93.30% | 9.243% |
| 85  | 25.475 | 3733 | 3743 | 3760 | rVB3 | 192641 | 635484  | 51.21% | 5.073% |
| 86  | 26.398 | 3899 | 3900 | 3903 | rBV3 | 4745   | 5202    | 0.42%  | 0.042% |
| 87  | 26.650 | 3940 | 3943 | 3948 | rBV7 | 4025   | 7450    | 0.60%  | 0.059% |
| 88  | 26.803 | 3962 | 3969 | 3975 | rVV9 | 10986  | 29396   | 2.37%  | 0.235% |
| 89  | 26.862 | 3977 | 3979 | 3982 | rBV4 | 3070   | 3305    | 0.27%  | 0.026% |
| 90  | 27.708 | 4122 | 4123 | 4126 | rBV3 | 5827   | 3238    | 0.26%  | 0.026% |
| 91  | 27.778 | 4134 | 4135 | 4137 | rBV2 | 3626   | 3748    | 0.30%  | 0.030% |
| 92  | 28.266 | 4216 | 4218 | 4219 | rBV2 | 4523   | 3876    | 0.31%  | 0.031% |
| 93  | 29.405 | 4410 | 4412 | 4413 | rBV2 | 3456   | 2801    | 0.23%  | 0.022% |
| 94  | 29.623 | 4448 | 4449 | 4450 | rBV  | 4874   | 2214    | 0.18%  | 0.018% |
| 95  | 29.846 | 4485 | 4487 | 4488 | rBV2 | 2988   | 2173    | 0.18%  | 0.017% |
| 96  | 30.997 | 4681 | 4683 | 4684 | rBV2 | 3585   | 2708    | 0.22%  | 0.022% |
| 97  | 31.033 | 4687 | 4689 | 4691 | rVB2 | 3611   | 2458    | 0.20%  | 0.020% |
| 98  | 31.297 | 4731 | 4734 | 4739 | rBV7 | 3770   | 6995    | 0.56%  | 0.056% |
| 99  | 31.391 | 4747 | 4750 | 4753 | rBV5 | 3382   | 4450    | 0.36%  | 0.036% |
| 100 | 31.532 | 4772 | 4774 | 4775 | rBV2 | 3130   | 2757    | 0.22%  | 0.022% |

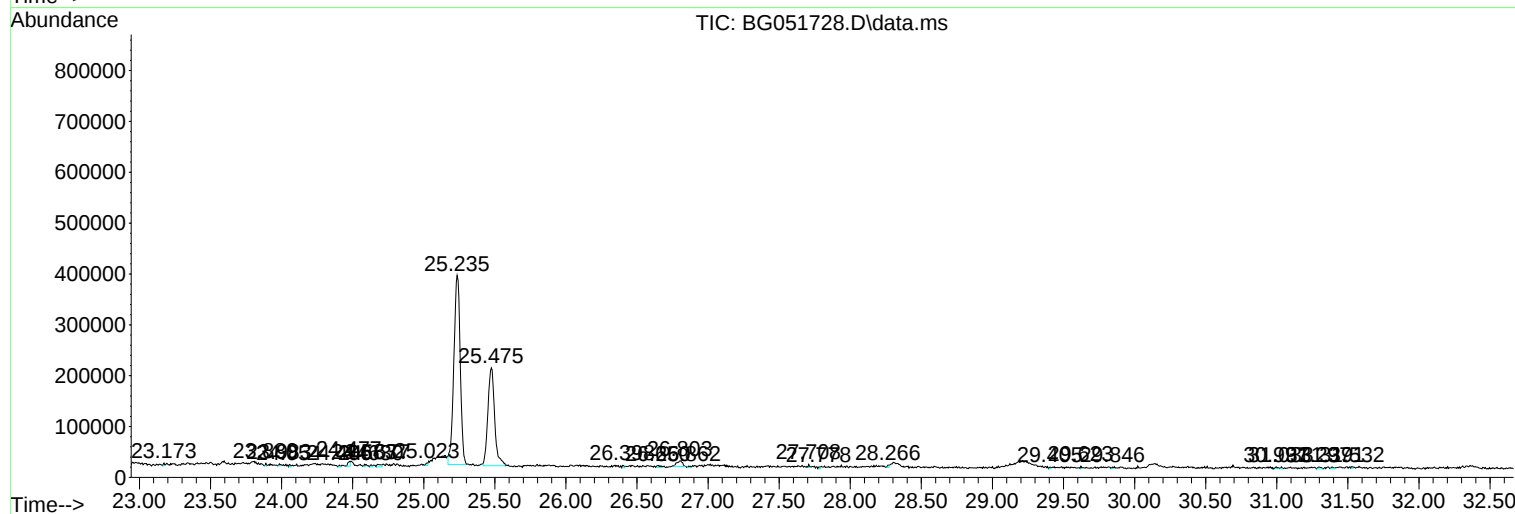
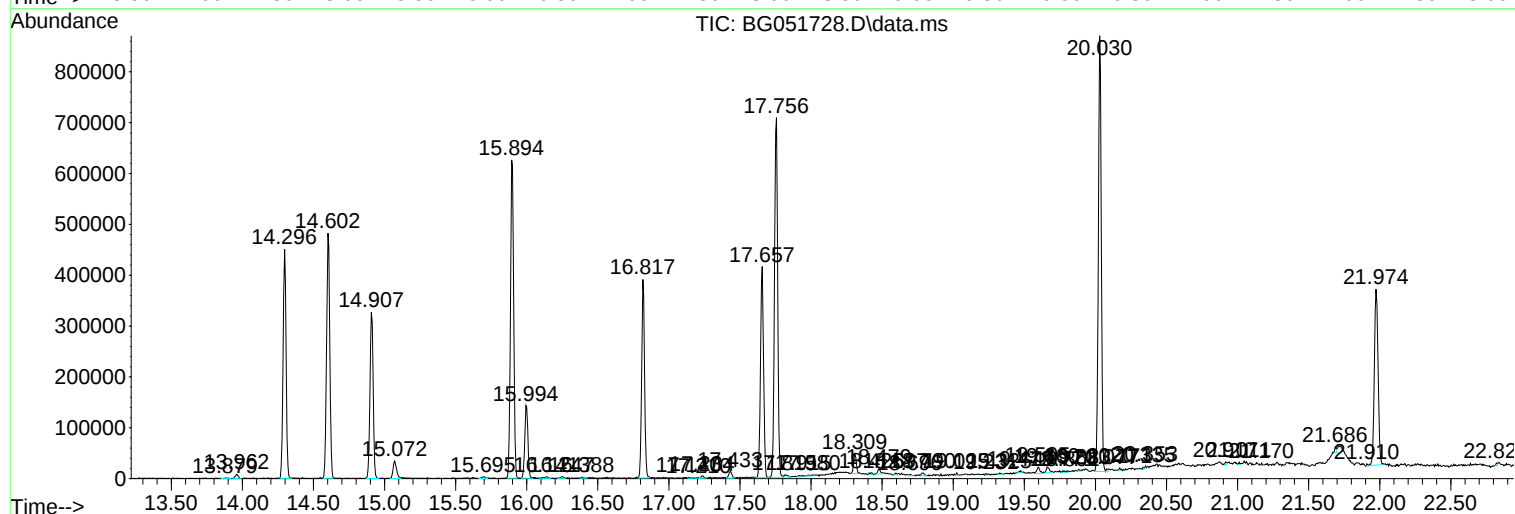
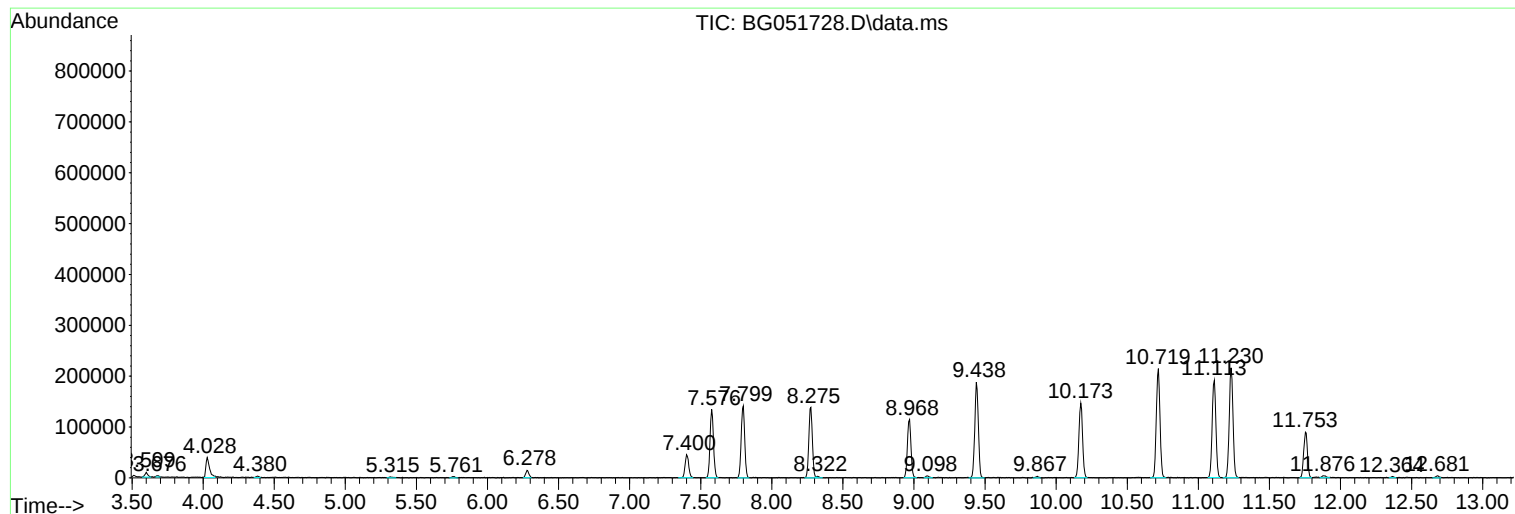
Sum of corrected areas: 12525812

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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
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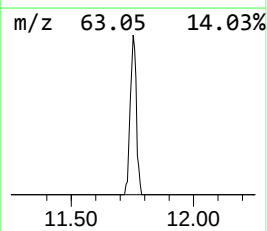
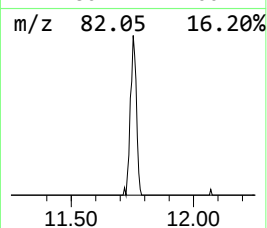
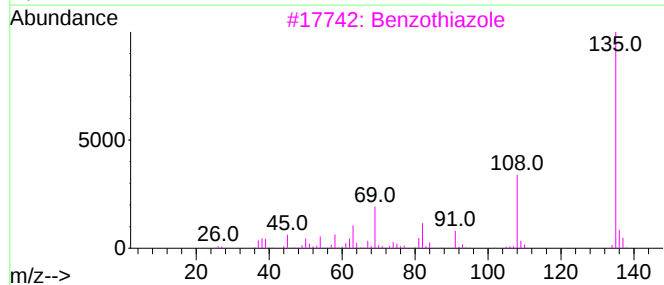
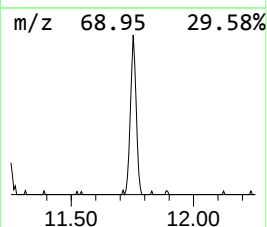
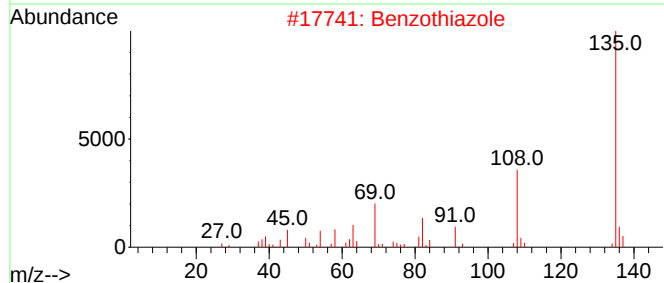
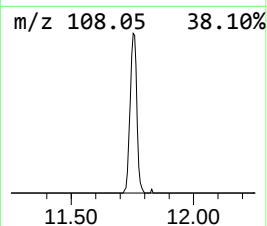
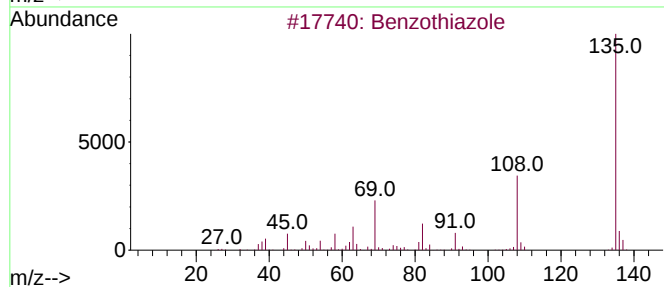
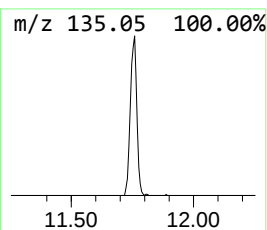
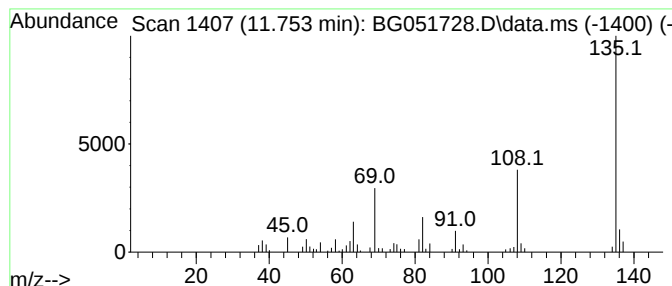
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Benzothiazole Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.753 | 9.40 ng/ul | 164544 | Naphthalene-d8   | 11.113 |

| Hit# | of | 5 | Tentative ID  | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------|-----|---------|-------------|------|
| 1    |    |   | Benzothiazole | 135 | C7H5NS  | 000095-16-9 | 97   |
| 2    |    |   | Benzothiazole | 135 | C7H5NS  | 000095-16-9 | 95   |
| 3    |    |   | Benzothiazole | 135 | C7H5NS  | 000095-16-9 | 94   |
| 4    |    |   | Benzothiazole | 135 | C7H5NS  | 000095-16-9 | 94   |
| 5    |    |   | Benzothiazole | 135 | C7H5NS  | 000095-16-9 | 91   |



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ALS Vial : 55 Sample Multiplier: 1

Instrument :  
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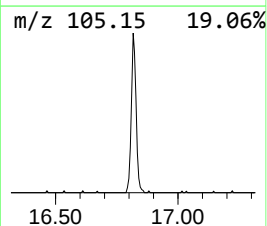
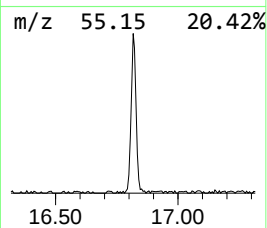
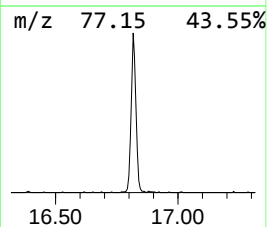
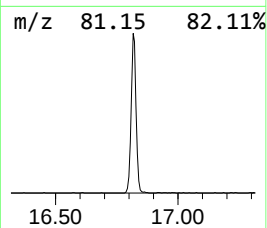
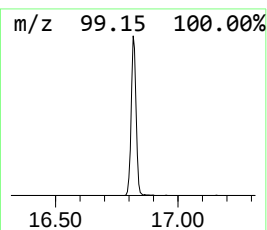
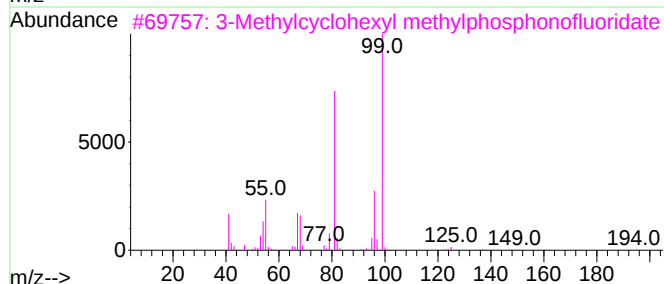
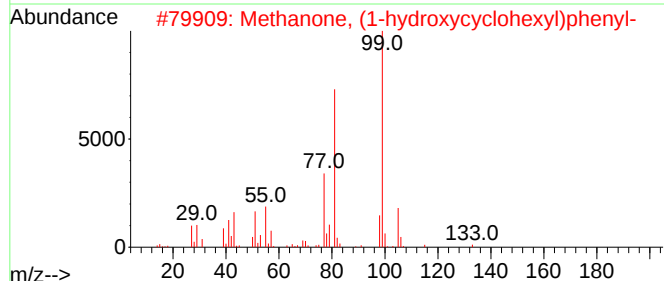
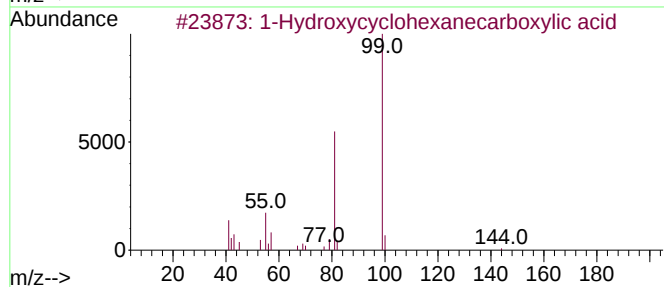
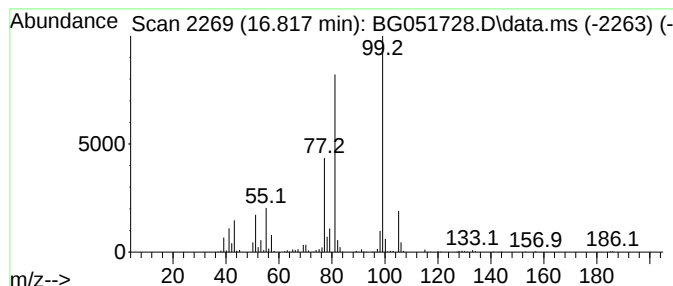
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 1-Hydroxycyclohexanecarboxy... Concentration Rank 1

| R.T.   | EstConc     | Area   | Relative to ISTD | R.T.   |
|--------|-------------|--------|------------------|--------|
| 16.817 | 17.63 ng/ul | 552024 | Phenanthrene-d10 | 17.657 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 1-Hydroxycyclohexanecarboxylic acid | 144 | C7H12O3   | 001123-28-0 | 50   |
| 2    |    |   | Methanone, (1-hydroxycyclohexyl)... | 204 | C13H16O2  | 000947-19-3 | 47   |
| 3    |    |   | 3-Methylcyclohexyl methylphospho... | 194 | C8H16FO2P | 113548-86-0 | 40   |
| 4    |    |   | Cyclohexanol, 1-ethyl-              | 128 | C8H16O    | 001940-18-7 | 40   |
| 5    |    |   | 2-Methylcyclosarin                  | 194 | C8H16FO2P | 085473-32-1 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
Data File : BG051728.D  
Acq On : 21 Dec 2021 23:00  
Operator : CG/JU  
Sample : M5126-06  
Misc :  
ALS Vial : 55 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0J23

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.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 |
| Benzothiazole      | 11.753 | 9.4     | ng/ul | 164544   | 2                     | 11.113 | 350109 | 20.0 |
| 1-Hydroxycycloh... | 16.817 | 17.6    | ng/ul | 552024   | 4                     | 17.657 | 626314 | 20.0 |