

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122024\  
 Data File : BG063768.D  
 Acq On : 20 Dec 2024 12:49  
 Operator : RC/JU  
 Sample : P5305-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E2AT7

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-BG121124.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG063768.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         | 3.259       | 26            | 29          | 33           | rVB2     | 28106          | 31050         | 0.65%           | 0.075%        |
| 2         | 3.676       | 96            | 100         | 108          | rBV      | 73614          | 128207        | 2.68%           | 0.309%        |
| 3         | 5.068       | 335           | 337         | 341          | rVB2     | 10088          | 9806          | 0.21%           | 0.024%        |
| 4         | 5.098       | 341           | 342         | 345          | rBV      | 9033           | 7326          | 0.15%           | 0.018%        |
| 5         | 6.437       | 569           | 570         | 573          | rBV2     | 8306           | 8055          | 0.17%           | 0.019%        |
| 6         | 6.990       | 658           | 664         | 670          | rVB      | 140447         | 246619        | 5.16%           | 0.595%        |
| 7         | 7.131       | 683           | 688         | 697          | rVB      | 464619         | 731243        | 15.31%          | 1.765%        |
| 8         | 7.336       | 717           | 723         | 731          | rBV      | 481859         | 798071        | 16.70%          | 1.926%        |
| 9         | 7.419       | 735           | 737         | 738          | rBV      | 8091           | 7140          | 0.15%           | 0.017%        |
| 10        | 7.554       | 758           | 760         | 763          | rVB2     | 7164           | 6500          | 0.14%           | 0.016%        |
| 11        | 7.801       | 795           | 802         | 808          | rBV      | 474191         | 772316        | 16.16%          | 1.864%        |
| 12        | 7.865       | 808           | 813         | 820          | rVB      | 135617         | 206713        | 4.33%           | 0.499%        |
| 13        | 7.965       | 828           | 830         | 834          | rBV3     | 7251           | 9054          | 0.19%           | 0.022%        |
| 14        | 8.241       | 875           | 877         | 880          | rVB3     | 6484           | 6413          | 0.13%           | 0.015%        |
| 15        | 8.382       | 898           | 901         | 905          | rBV2     | 7194           | 12036         | 0.25%           | 0.029%        |
| 16        | 8.441       | 910           | 911         | 914          | rBV2     | 7940           | 9104          | 0.19%           | 0.022%        |
| 17        | 8.517       | 918           | 924         | 936          | rVB2     | 437457         | 767620        | 16.07%          | 1.853%        |
| 18        | 8.899       | 984           | 989         | 991          | rBV3     | 16646          | 26731         | 0.56%           | 0.065%        |
| 19        | 8.952       | 992           | 998         | 1008         | rVB      | 517918         | 916326        | 19.18%          | 2.212%        |
| 20        | 9.181       | 1034          | 1037        | 1039         | rBV2     | 5273           | 6637          | 0.14%           | 0.016%        |
| 21        | 9.375       | 1068          | 1070        | 1075         | rVV3     | 6171           | 8803          | 0.18%           | 0.021%        |
| 22        | 9.440       | 1079          | 1081        | 1082         | rBV      | 9500           | 6814          | 0.14%           | 0.016%        |
| 23        | 9.675       | 1114          | 1121        | 1135         | rBV      | 430989         | 841223        | 17.61%          | 2.030%        |
| 24        | 9.963       | 1167          | 1170        | 1173         | rBV2     | 7810           | 8331          | 0.17%           | 0.020%        |
| 25        | 10.221      | 1207          | 1214        | 1224         | rBV      | 608892         | 1122898       | 23.50%          | 2.710%        |
| 26        | 10.497      | 1260          | 1261        | 1268         | rBV3     | 4665           | 6865          | 0.14%           | 0.017%        |
| 27        | 10.585      | 1270          | 1276        | 1285         | rBV      | 628583         | 1115138       | 23.34%          | 2.692%        |
| 28        | 10.732      | 1294          | 1301        | 1312         | rBV      | 147666         | 331090        | 6.93%           | 0.799%        |
| 29        | 10.944      | 1333          | 1337        | 1338         | rBV3     | 4443           | 6261          | 0.13%           | 0.015%        |
| 30        | 11.014      | 1346          | 1349        | 1352         | rBV2     | 7485           | 11217         | 0.23%           | 0.027%        |
| 31        | 11.073      | 1355          | 1359        | 1364         | rVB4     | 7656           | 15006         | 0.31%           | 0.036%        |
| 32        | 11.332      | 1399          | 1403        | 1404         | rBV      | 4901           | 7383          | 0.15%           | 0.018%        |
| 33        | 12.107      | 1533          | 1535        | 1540         | rVB      | 6819           | 6899          | 0.14%           | 0.017%        |
| 34        | 12.189      | 1545          | 1549        | 1555         | rVB5     | 10396          | 19067         | 0.40%           | 0.046%        |
| 35        | 12.413      | 1582          | 1587        | 1590         | rVB2     | 8330           | 10562         | 0.22%           | 0.025%        |
| 36        | 12.613      | 1616          | 1621        | 1622         | rBV2     | 5864           | 6274          | 0.13%           | 0.015%        |

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Instrument :  
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 ClientSampleId :  
 E2AT7

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-BG121124.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 12.677 | 1629 | 1632 | 1635 | rBV2 | 6101    | 10035   | 0.21%   | 0.024%  |
| 38 | 13.036 | 1690 | 1693 | 1696 | rBV4 | 7084    | 10343   | 0.22%   | 0.025%  |
| 39 | 13.282 | 1732 | 1735 | 1736 | rBV2 | 7564    | 8055    | 0.17%   | 0.019%  |
| 40 | 13.376 | 1745 | 1751 | 1753 | rBV4 | 14345   | 22978   | 0.48%   | 0.055%  |
| 41 | 13.417 | 1757 | 1758 | 1761 | rVB3 | 9945    | 9490    | 0.20%   | 0.023%  |
| 42 | 13.846 | 1825 | 1831 | 1842 | rBV  | 1359938 | 1887040 | 39.50%  | 4.555%  |
| 43 | 14.134 | 1872 | 1880 | 1889 | rBV  | 1479853 | 2327967 | 48.72%  | 5.619%  |
| 44 | 14.440 | 1926 | 1932 | 1940 | rBV  | 1223667 | 1837559 | 38.46%  | 4.435%  |
| 45 | 14.516 | 1940 | 1945 | 1953 | rVV4 | 16734   | 33635   | 0.70%   | 0.081%  |
| 46 | 14.681 | 1966 | 1973 | 1981 | rBV3 | 71489   | 166795  | 3.49%   | 0.403%  |
| 47 | 14.875 | 2001 | 2006 | 2008 | rBV3 | 22177   | 31739   | 0.66%   | 0.077%  |
| 48 | 14.945 | 2016 | 2018 | 2022 | rVB3 | 6625    | 8963    | 0.19%   | 0.022%  |
| 49 | 14.974 | 2022 | 2023 | 2027 | rVB2 | 10511   | 7198    | 0.15%   | 0.017%  |
| 50 | 15.110 | 2043 | 2046 | 2050 | rBV4 | 8616    | 14762   | 0.31%   | 0.036%  |
| 51 | 15.227 | 2063 | 2066 | 2068 | rBV4 | 6773    | 9446    | 0.20%   | 0.023%  |
| 52 | 15.439 | 2095 | 2102 | 2111 | rBV  | 2123936 | 3242308 | 67.86%  | 7.826%  |
| 53 | 15.568 | 2118 | 2124 | 2132 | rBV  | 522111  | 846939  | 17.73%  | 2.044%  |
| 54 | 15.721 | 2147 | 2150 | 2154 | rBV5 | 8274    | 9349    | 0.20%   | 0.023%  |
| 55 | 15.915 | 2181 | 2183 | 2186 | rBV2 | 6363    | 8232    | 0.17%   | 0.020%  |
| 56 | 16.220 | 2230 | 2235 | 2238 | rVB4 | 8064    | 11944   | 0.25%   | 0.029%  |
| 57 | 16.279 | 2238 | 2245 | 2248 | rBV  | 6826    | 12450   | 0.26%   | 0.030%  |
| 58 | 16.537 | 2287 | 2289 | 2293 | rBV3 | 6833    | 8709    | 0.18%   | 0.021%  |
| 59 | 16.972 | 2362 | 2363 | 2369 | rVB4 | 9867    | 13406   | 0.28%   | 0.032%  |
| 60 | 17.043 | 2373 | 2375 | 2379 | rBV2 | 8436    | 11506   | 0.24%   | 0.028%  |
| 61 | 17.148 | 2390 | 2393 | 2394 | rBV3 | 10012   | 10675   | 0.22%   | 0.026%  |
| 62 | 17.190 | 2394 | 2400 | 2409 | rVV2 | 1763257 | 2662248 | 55.72%  | 6.426%  |
| 63 | 17.289 | 2410 | 2417 | 2429 | rVB  | 2630622 | 4050250 | 84.77%  | 9.776%  |
| 64 | 17.701 | 2483 | 2487 | 2489 | rBV2 | 4180    | 7021    | 0.15%   | 0.017%  |
| 65 | 17.859 | 2509 | 2514 | 2522 | rBV3 | 249870  | 340416  | 7.12%   | 0.822%  |
| 66 | 17.971 | 2531 | 2533 | 2536 | rVB2 | 7072    | 7051    | 0.15%   | 0.017%  |
| 67 | 18.153 | 2562 | 2564 | 2570 | rVB4 | 12186   | 12934   | 0.27%   | 0.031%  |
| 68 | 18.388 | 2601 | 2604 | 2606 | rVB3 | 6184    | 7027    | 0.15%   | 0.017%  |
| 69 | 18.511 | 2620 | 2625 | 2627 | rBV6 | 5584    | 8925    | 0.19%   | 0.022%  |
| 70 | 18.776 | 2669 | 2670 | 2673 | rBV3 | 8126    | 9353    | 0.20%   | 0.023%  |
| 71 | 19.152 | 2728 | 2734 | 2738 | rBV5 | 48828   | 74341   | 1.56%   | 0.179%  |
| 72 | 19.228 | 2743 | 2747 | 2752 | rVB2 | 41253   | 54943   | 1.15%   | 0.133%  |
| 73 | 19.340 | 2762 | 2766 | 2767 | rBV2 | 5581    | 7833    | 0.16%   | 0.019%  |
| 74 | 19.457 | 2783 | 2786 | 2787 | rBV2 | 6828    | 6251    | 0.13%   | 0.015%  |
| 75 | 19.516 | 2794 | 2796 | 2799 | rVB4 | 11504   | 10573   | 0.22%   | 0.026%  |
| 76 | 19.593 | 2802 | 2809 | 2823 | rBV  | 3277675 | 4777790 | 100.00% | 11.532% |

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Sample : P5305-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E2AT7

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-BG121124.MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 77 | 19.822 | 2846 | 2848 | 2849 | rBV2 | 10380   | 8689    | 0.18%  | 0.021%  |
| 78 | 21.437 | 3117 | 3123 | 3136 | rBV  | 1747335 | 2996459 | 62.72% | 7.233%  |
| 79 | 24.246 | 3592 | 3601 | 3616 | rBV  | 1758666 | 4534405 | 94.91% | 10.945% |
| 80 | 24.452 | 3627 | 3636 | 3652 | rVB  | 1129668 | 3060857 | 64.06% | 7.388%  |

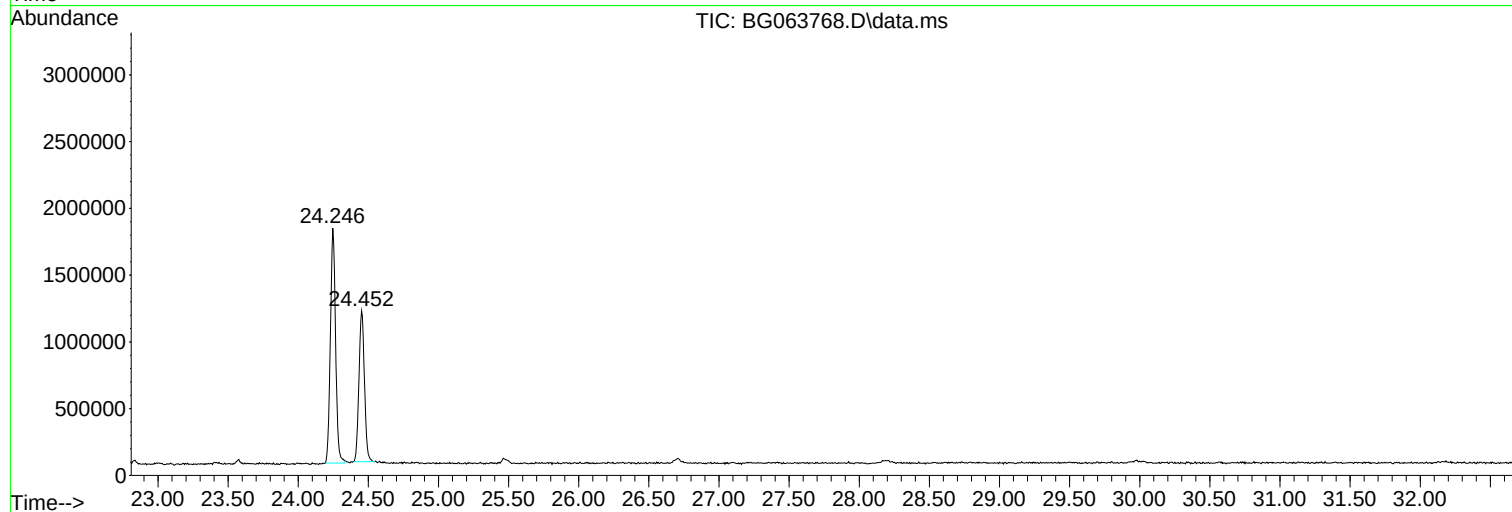
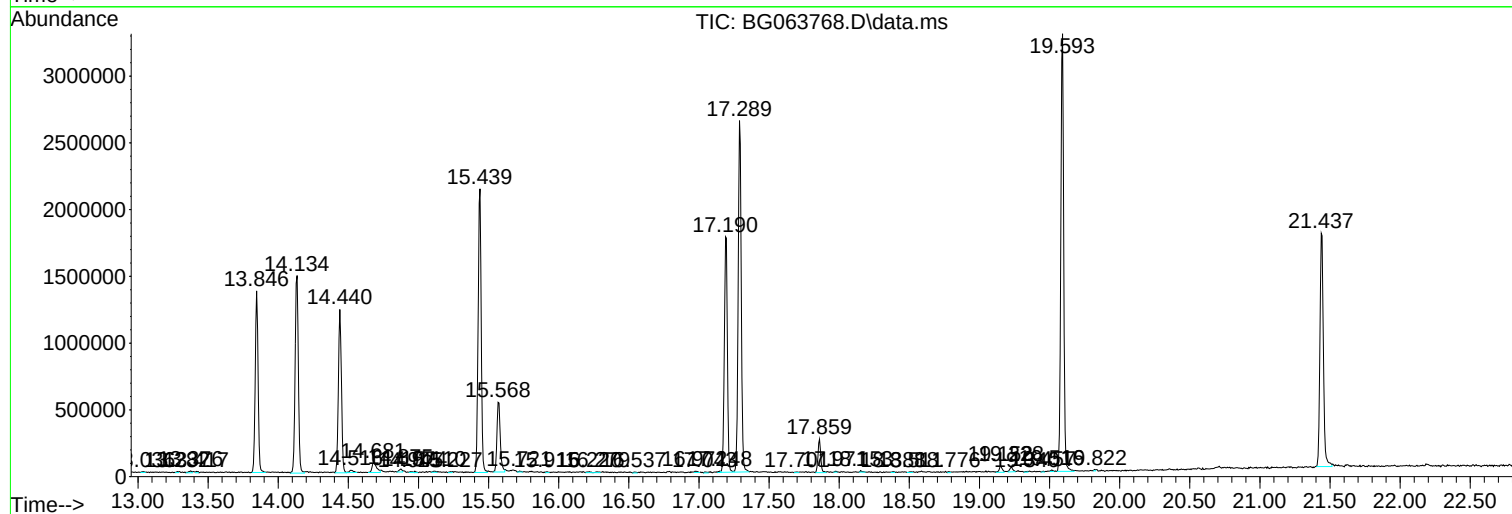
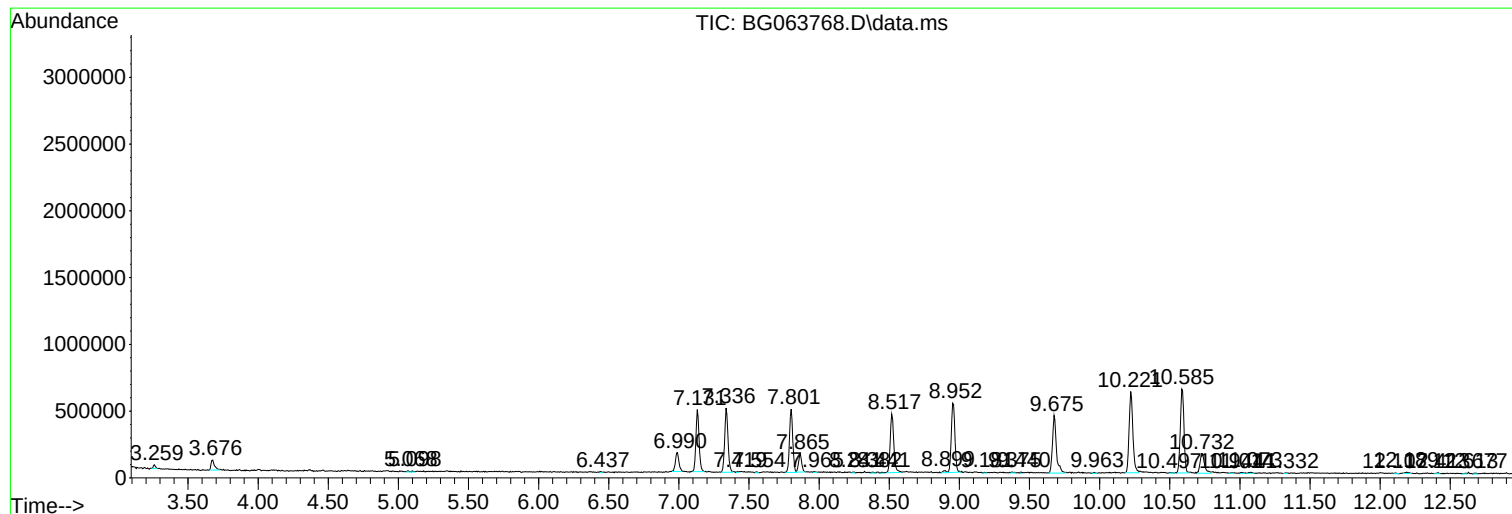
Sum of corrected areas: 41429687

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
Quant Title : SVOA CALIBRATION

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



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Sample : P5305-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
Quant Title : SVOA CALIBRATION

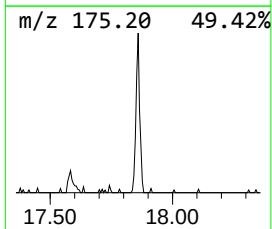
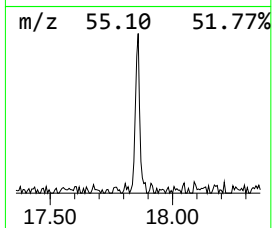
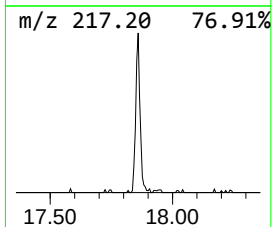
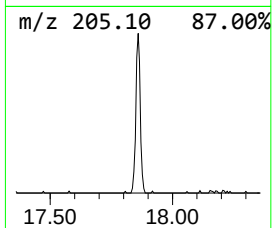
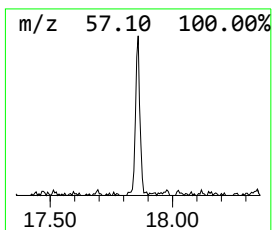
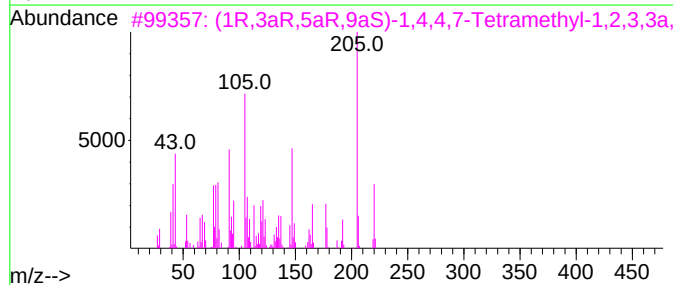
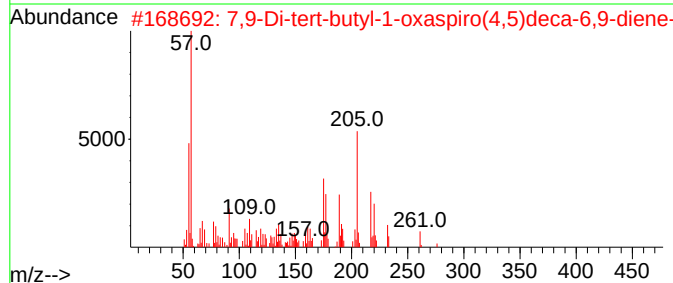
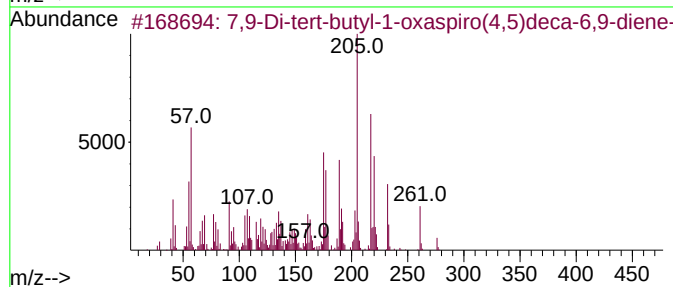
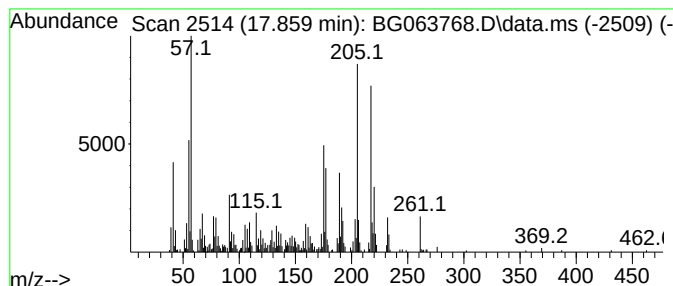
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.859 | 2.56 ng/ul | 340416 | Phenanthrene-d10 | 17.195 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 91      |      |      |
| 2    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 91      |      |      |
| 3    | (1R,3aR,5aR,9aS)-1,4,4,7-Tetrame... | 220 | C15H24O      | 104188-25-2 | 50      |      |      |
| 4    | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3     | 082304-66-3 | 50      |      |      |
| 5    | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2     | 071596-88-8 | 46      |      |      |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.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 |
| 7,9-Di-tert-but... | 17.859 | 2.6     | ng/ul | 340416   | 4                     | 17.195 | 2662250 | 20.0 |