

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\  
 Data File : BG048245.D  
 Acq On : 20 Feb 2021 20:45  
 Operator : CG/JU  
 Sample : M1412-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBGX8

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| 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         | 3.434       | 13            | 16          | 20           | rBV3     | 2010           | 2614          | 0.27%           | 0.023%        |
| 2         | 3.522       | 26            | 31          | 36           | rBV5     | 7666           | 11690         | 1.22%           | 0.105%        |
| 3         | 3.622       | 47            | 48          | 51           | rBV2     | 1620           | 1727          | 0.18%           | 0.015%        |
| 4         | 3.945       | 101           | 103         | 107          | rBV3     | 1771           | 2677          | 0.28%           | 0.024%        |
| 5         | 4.051       | 118           | 121         | 127          | rVB4     | 3912           | 6616          | 0.69%           | 0.059%        |
| 6         | 4.168       | 138           | 141         | 149          | rVB3     | 4966           | 10148         | 1.06%           | 0.091%        |
| 7         | 4.233       | 149           | 152         | 155          | rBV2     | 1663           | 2528          | 0.26%           | 0.023%        |
| 8         | 4.274       | 155           | 159         | 163          | rVB2     | 4745           | 6208          | 0.65%           | 0.056%        |
| 9         | 4.662       | 223           | 225         | 228          | rVV3     | 2095           | 2124          | 0.22%           | 0.019%        |
| 10        | 4.826       | 248           | 253         | 256          | rBV4     | 1816           | 2870          | 0.30%           | 0.026%        |
| 11        | 5.220       | 312           | 320         | 328          | rVB6     | 4404           | 11357         | 1.19%           | 0.102%        |
| 12        | 5.872       | 429           | 431         | 434          | rBV2     | 1444           | 1732          | 0.18%           | 0.016%        |
| 13        | 6.377       | 514           | 517         | 520          | rVB2     | 1337           | 1987          | 0.21%           | 0.018%        |
| 14        | 6.424       | 520           | 525         | 526          | rBV2     | 1264           | 1678          | 0.18%           | 0.015%        |
| 15        | 6.789       | 581           | 587         | 593          | rVB3     | 1338           | 3609          | 0.38%           | 0.032%        |
| 16        | 7.176       | 651           | 653         | 657          | rVB2     | 1528           | 1844          | 0.19%           | 0.017%        |
| 17        | 7.259       | 664           | 667         | 672          | rBV4     | 2801           | 4233          | 0.44%           | 0.038%        |
| 18        | 7.329       | 672           | 679         | 691          | rVB      | 157099         | 305770        | 31.94%          | 2.738%        |
| 19        | 7.447       | 691           | 699         | 708          | rBV      | 107064         | 184358        | 19.26%          | 1.651%        |
| 20        | 7.523       | 708           | 712         | 718          | rVB7     | 5068           | 9207          | 0.96%           | 0.082%        |
| 21        | 7.670       | 730           | 737         | 743          | rBV      | 158044         | 278485        | 29.09%          | 2.494%        |
| 22        | 7.717       | 743           | 745         | 751          | rVB4     | 4330           | 6672          | 0.70%           | 0.060%        |
| 23        | 8.116       | 807           | 813         | 820          | rVV      | 225710         | 379699        | 39.66%          | 3.400%        |
| 24        | 8.869       | 934           | 941         | 948          | rBV      | 187615         | 321142        | 33.54%          | 2.876%        |
| 25        | 8.957       | 955           | 956         | 962          | rVB3     | 2504           | 3344          | 0.35%           | 0.030%        |
| 26        | 9.292       | 1005          | 1013        | 1022         | rBV      | 153047         | 277618        | 29.00%          | 2.486%        |
| 27        | 9.456       | 1038          | 1041        | 1042         | rVB3     | 1769           | 1715          | 0.18%           | 0.015%        |
| 28        | 9.662       | 1071          | 1076        | 1081         | rVB2     | 3366           | 6107          | 0.64%           | 0.055%        |
| 29        | 9.838       | 1102          | 1106        | 1107         | rBV      | 1994           | 1789          | 0.19%           | 0.016%        |
| 30        | 9.856       | 1107          | 1109        | 1113         | rVB2     | 2573           | 2588          | 0.27%           | 0.023%        |
| 31        | 9.967       | 1125          | 1128        | 1130         | rBV2     | 2120           | 1963          | 0.21%           | 0.018%        |
| 32        | 10.020      | 1130          | 1137        | 1147         | rVB      | 144432         | 265526        | 27.73%          | 2.378%        |
| 33        | 10.238      | 1170          | 1174        | 1178         | rBV2     | 1345           | 1832          | 0.19%           | 0.016%        |
| 34        | 10.290      | 1178          | 1183        | 1188         | rBV4     | 2078           | 4189          | 0.44%           | 0.038%        |

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 Start Thrs: 0.2  
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Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 10.343 | 1191 | 1192 | 1194 | rBV2 | 2888   | 1897   | 0.20%  | 0.017% |
| 36 | 10.578 | 1224 | 1232 | 1242 | rBV  | 208688 | 378867 | 39.57% | 3.393% |
| 37 | 10.708 | 1251 | 1254 | 1261 | rVB3 | 6247   | 10107  | 1.06%  | 0.091% |
| 38 | 10.937 | 1286 | 1293 | 1300 | rBV  | 289017 | 515932 | 53.89% | 4.620% |
| 39 | 10.990 | 1300 | 1302 | 1306 | rVB4 | 3046   | 3476   | 0.36%  | 0.031% |
| 40 | 11.089 | 1310 | 1319 | 1330 | rBV  | 132939 | 250745 | 26.19% | 2.245% |
| 41 | 11.477 | 1383 | 1385 | 1389 | rVB  | 3060   | 2320   | 0.24%  | 0.021% |
| 42 | 11.665 | 1415 | 1417 | 1422 | rBV  | 1379   | 1791   | 0.19%  | 0.016% |
| 43 | 11.759 | 1431 | 1433 | 1436 | rVV2 | 2083   | 2625   | 0.27%  | 0.024% |
| 44 | 11.853 | 1445 | 1449 | 1452 | rBV  | 1889   | 2936   | 0.31%  | 0.026% |
| 45 | 11.930 | 1455 | 1462 | 1464 | rVV2 | 1955   | 3518   | 0.37%  | 0.032% |
| 46 | 12.253 | 1514 | 1517 | 1519 | rBV2 | 2203   | 2044   | 0.21%  | 0.018% |
| 47 | 12.329 | 1529 | 1530 | 1535 | rVB2 | 2646   | 2360   | 0.25%  | 0.021% |
| 48 | 12.370 | 1535 | 1537 | 1540 | rBV2 | 1901   | 2174   | 0.23%  | 0.019% |
| 49 | 12.511 | 1556 | 1561 | 1565 | rBV2 | 3588   | 4767   | 0.50%  | 0.043% |
| 50 | 12.541 | 1565 | 1566 | 1571 | rVB2 | 1988   | 2264   | 0.24%  | 0.020% |
| 51 | 12.599 | 1574 | 1576 | 1579 | rBV2 | 1937   | 1757   | 0.18%  | 0.016% |
| 52 | 12.658 | 1583 | 1586 | 1589 | rBV5 | 4294   | 6385   | 0.67%  | 0.057% |
| 53 | 12.905 | 1626 | 1628 | 1629 | rBV2 | 2293   | 1730   | 0.18%  | 0.015% |
| 54 | 12.934 | 1631 | 1633 | 1638 | rVB4 | 2954   | 3821   | 0.40%  | 0.034% |
| 55 | 13.046 | 1650 | 1652 | 1653 | rBV2 | 2652   | 1778   | 0.19%  | 0.016% |
| 56 | 13.099 | 1660 | 1661 | 1664 | rBV2 | 2809   | 2865   | 0.30%  | 0.026% |
| 57 | 13.146 | 1666 | 1669 | 1670 | rBV2 | 2470   | 1785   | 0.19%  | 0.016% |
| 58 | 13.234 | 1682 | 1684 | 1687 | rVV3 | 3064   | 3393   | 0.35%  | 0.030% |
| 59 | 13.287 | 1691 | 1693 | 1695 | rVV3 | 1997   | 2093   | 0.22%  | 0.019% |
| 60 | 13.334 | 1699 | 1701 | 1702 | rBV  | 3070   | 1660   | 0.17%  | 0.015% |
| 61 | 13.357 | 1702 | 1705 | 1706 | rVV2 | 3360   | 2541   | 0.27%  | 0.023% |
| 62 | 13.399 | 1710 | 1712 | 1715 | rVV3 | 2160   | 2144   | 0.22%  | 0.019% |
| 63 | 13.510 | 1727 | 1731 | 1733 | rVB4 | 2400   | 2927   | 0.31%  | 0.026% |
| 64 | 13.545 | 1733 | 1737 | 1739 | rBV4 | 5551   | 6401   | 0.67%  | 0.057% |
| 65 | 13.587 | 1742 | 1744 | 1746 | rBV2 | 2772   | 1935   | 0.20%  | 0.017% |
| 66 | 13.639 | 1750 | 1753 | 1757 | rVB5 | 6089   | 8767   | 0.92%  | 0.079% |
| 67 | 13.681 | 1757 | 1760 | 1765 | rBV5 | 7224   | 14591  | 1.52%  | 0.131% |
| 68 | 13.757 | 1771 | 1773 | 1774 | rVB2 | 2947   | 1645   | 0.17%  | 0.015% |
| 69 | 13.798 | 1775 | 1780 | 1783 | rVV6 | 4192   | 6067   | 0.63%  | 0.054% |
| 70 | 13.910 | 1796 | 1799 | 1801 | rVB4 | 2709   | 2878   | 0.30%  | 0.026% |
| 71 | 13.933 | 1801 | 1803 | 1805 | rBV3 | 2309   | 1928   | 0.20%  | 0.017% |

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Filtering: 5  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |        |        |         |        |
|-----|--------|------|------|------|------|--------|--------|---------|--------|
| 72  | 13.968 | 1807 | 1809 | 1812 | rVB4 | 3183   | 3706   | 0.39%   | 0.033% |
| 73  | 14.004 | 1812 | 1815 | 1816 | rBV3 | 3387   | 3233   | 0.34%   | 0.029% |
| 74  | 14.068 | 1824 | 1826 | 1827 | rVB2 | 3188   | 1877   | 0.20%   | 0.017% |
| 75  | 14.092 | 1827 | 1830 | 1831 | rBV3 | 3018   | 3967   | 0.41%   | 0.036% |
| 76  | 14.156 | 1833 | 1841 | 1845 | rBV  | 337374 | 510699 | 53.34%  | 4.573% |
| 77  | 14.198 | 1845 | 1848 | 1853 | rVB  | 39741  | 53118  | 5.55%   | 0.476% |
| 78  | 14.444 | 1884 | 1890 | 1897 | rBV  | 382019 | 595452 | 62.19%  | 5.332% |
| 79  | 14.615 | 1916 | 1919 | 1922 | rBV5 | 6388   | 4952   | 0.52%   | 0.044% |
| 80  | 14.750 | 1935 | 1942 | 1949 | rBV  | 473196 | 736607 | 76.94%  | 6.596% |
| 81  | 14.879 | 1962 | 1964 | 1966 | rBV3 | 6938   | 4508   | 0.47%   | 0.040% |
| 82  | 15.014 | 1981 | 1987 | 1996 | rBV  | 139890 | 247036 | 25.80%  | 2.212% |
| 83  | 15.091 | 1999 | 2000 | 2002 | rBV2 | 4640   | 4473   | 0.47%   | 0.040% |
| 84  | 15.114 | 2002 | 2004 | 2005 | rBV2 | 3824   | 2510   | 0.26%   | 0.022% |
| 85  | 15.155 | 2009 | 2011 | 2012 | rBV  | 6865   | 5564   | 0.58%   | 0.050% |
| 86  | 15.226 | 2021 | 2023 | 2027 | rBV5 | 4025   | 4611   | 0.48%   | 0.041% |
| 87  | 15.384 | 2048 | 2050 | 2051 | rBV2 | 5188   | 2741   | 0.29%   | 0.025% |
| 88  | 15.455 | 2060 | 2062 | 2063 | rBV2 | 4696   | 3509   | 0.37%   | 0.031% |
| 89  | 15.590 | 2083 | 2085 | 2087 | rBV3 | 4651   | 3020   | 0.32%   | 0.027% |
| 90  | 15.737 | 2104 | 2110 | 2116 | rBV  | 473242 | 729291 | 76.17%  | 6.531% |
| 91  | 15.872 | 2128 | 2133 | 2139 | rBV  | 162719 | 233641 | 24.40%  | 2.092% |
| 92  | 15.978 | 2149 | 2151 | 2154 | rVB4 | 10241  | 9790   | 1.02%   | 0.088% |
| 93  | 16.078 | 2166 | 2168 | 2169 | rBV2 | 7653   | 6539   | 0.68%   | 0.059% |
| 94  | 17.494 | 2403 | 2409 | 2419 | rBV  | 559786 | 862407 | 90.08%  | 7.723% |
| 95  | 17.594 | 2421 | 2426 | 2432 | rVV2 | 494434 | 735414 | 76.81%  | 6.585% |
| 96  | 19.873 | 2809 | 2814 | 2822 | rVB  | 628142 | 925971 | 96.72%  | 8.292% |
| 97  | 20.302 | 2884 | 2887 | 2893 | rVB  | 127145 | 160330 | 16.75%  | 1.436% |
| 98  | 20.637 | 2941 | 2944 | 2949 | rVB  | 149739 | 188545 | 19.69%  | 1.688% |
| 99  | 21.777 | 3133 | 3138 | 3145 | rVB2 | 594406 | 957396 | 100.00% | 8.573% |
| 100 | 24.850 | 3656 | 3661 | 3670 | rVB2 | 297956 | 771957 | 80.63%  | 6.913% |

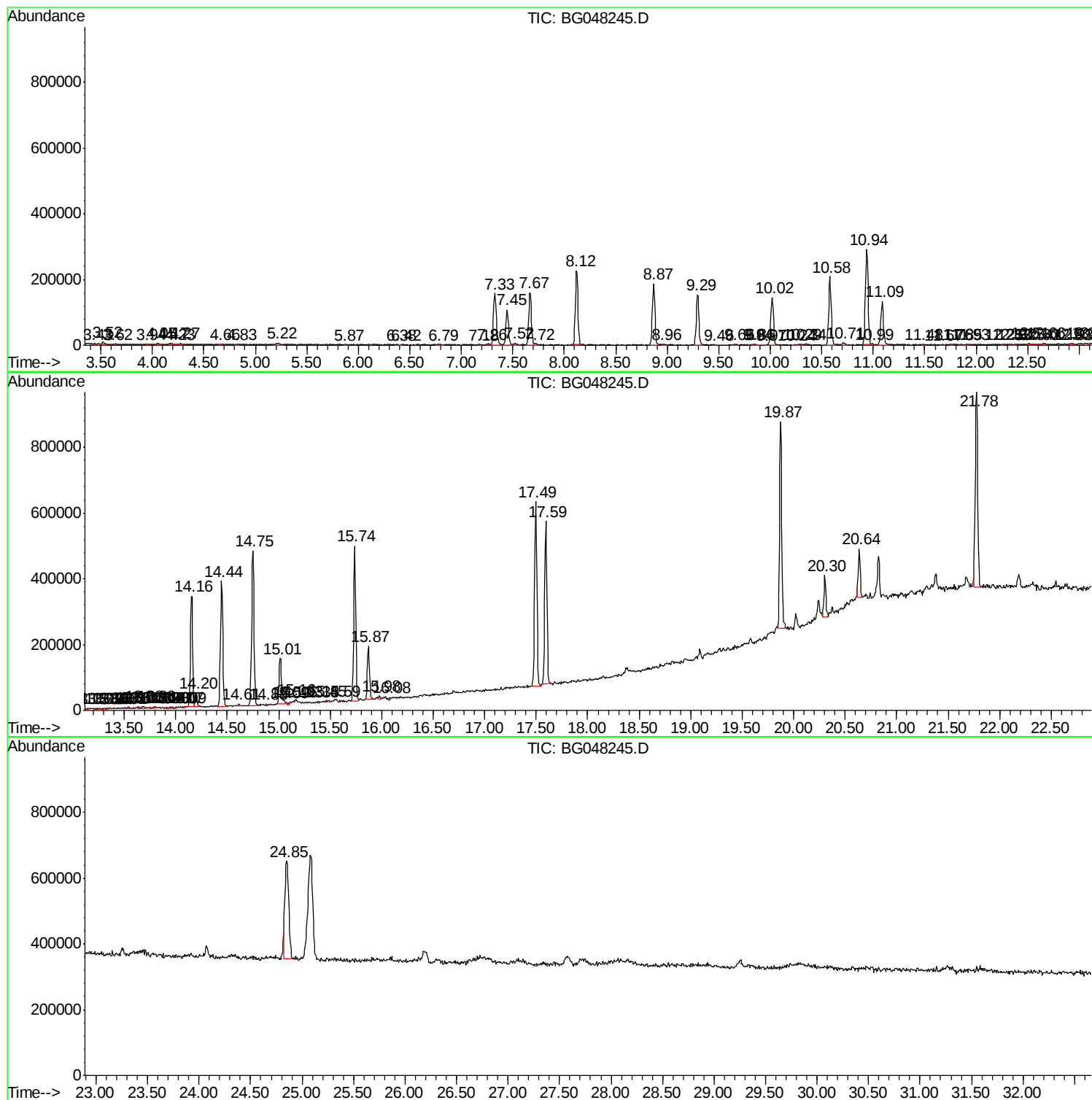
Sum of corrected areas: 11167424

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021921\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
Quant Title : SVOA CALIBRATION

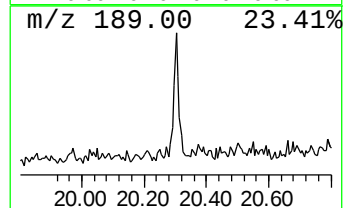
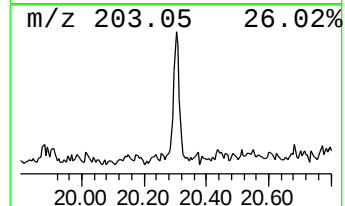
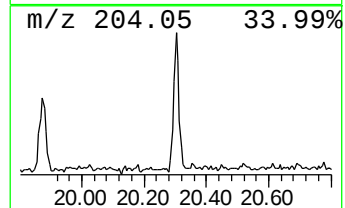
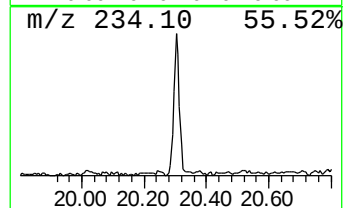
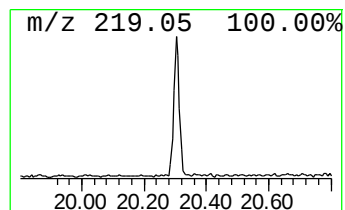
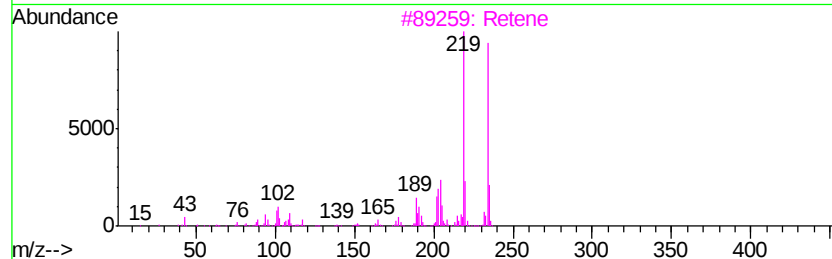
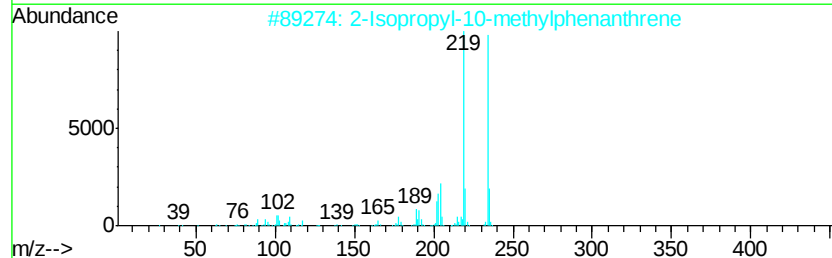
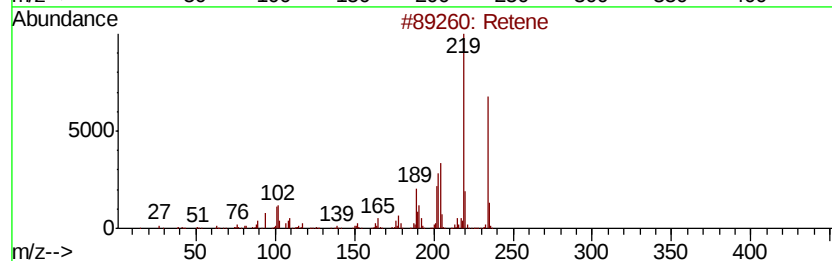
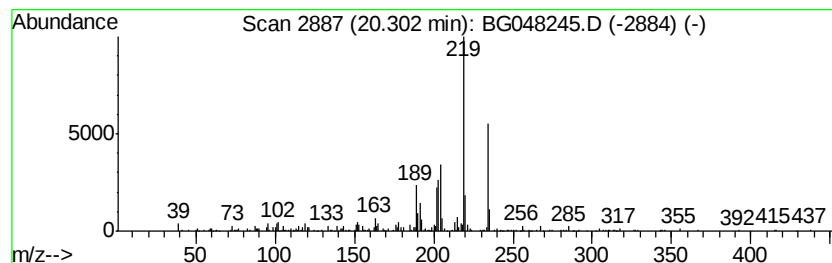
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Retene Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.30 | 3.35 ng/ul | 160330 | Chrysene-d12     | 21.78 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Retene                            | 234 | C18H18  | 000483-65-8 | 97   |
| 2    |    | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18  | 066552-97-4 | 94   |
| 3    |    | Retene                            | 234 | C18H18  | 000483-65-8 | 91   |
| 4    |    | Retene                            | 234 | C18H18  | 000483-65-8 | 78   |
| 5    |    | Retene                            | 234 | C18H18  | 000483-65-8 | 76   |



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Quant Title : SVOA CALIBRATION

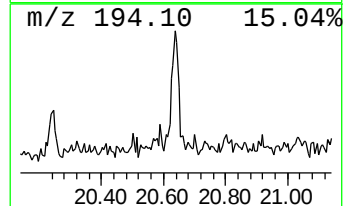
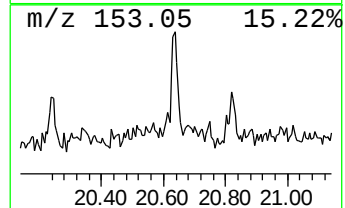
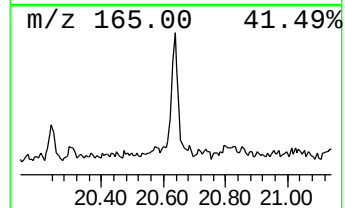
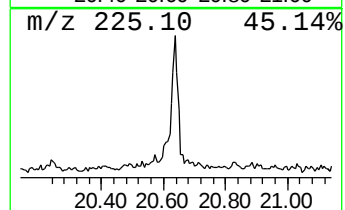
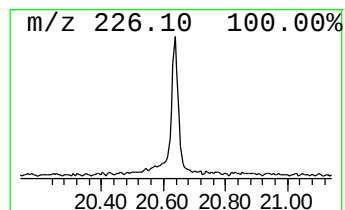
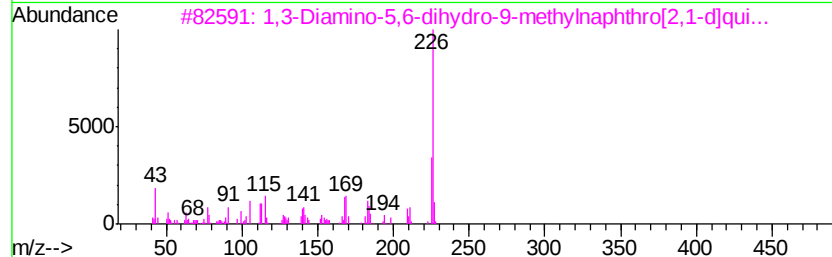
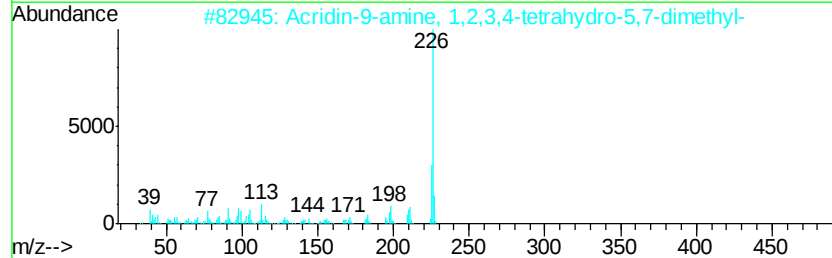
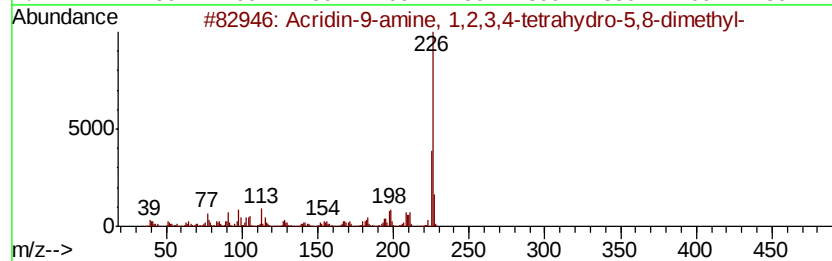
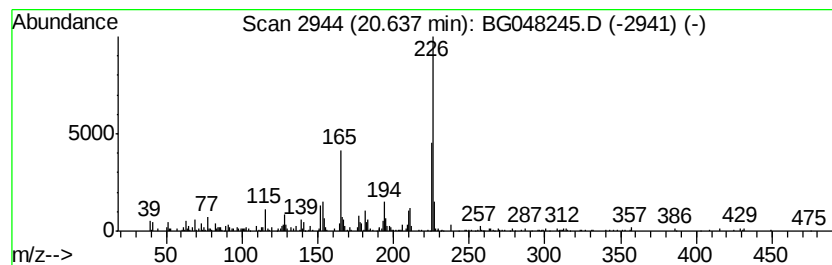
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.64 | 3.94 ng/ul | 188545 | Chrysene-d12     | 21.78 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2  | 297758-19-1  | 58   |
| 2    |    | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2  | 1000300-57-6 | 58   |
| 3    |    | 1,3-Diamino-5,6-dihydro-9-methyl... | 226 | C13H14N4  | 037436-39-8  | 50   |
| 4    |    | N,N-Dimethylindoaniline             | 226 | C14H14N2O | 002150-58-5  | 49   |
| 5    |    | 1,3-Diamino-5,6-dihydro-7-methyl... | 226 | C13H14N4  | 037436-37-6  | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG021921\  
Data File : BG048245.D  
Acq On : 20 Feb 2021 20:45  
Operator : CG/JU  
Sample : M1412-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DBGX8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG021321MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Retene               | 20.30 | 3.4     | ng/ul | 160330   | 5                     | 21.78 | 957396 | 20.0 |
| Acridin-9-amine, ... | 20.64 | 3.9     | ng/ul | 188545   | 5                     | 21.78 | 957396 | 20.0 |