

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120822\  
 Data File : BM037896.D  
 Acq On : 08 Dec 2022 20:54  
 Operator : CG/JU  
 Sample : N5832-03 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBXK0

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-BM120722.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM037896.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         | 3.428       | 3             | 7           | 11           | rBV5     | 11643          | 17194         | 0.59%           | 0.065%        |
| 2         | 3.904       | 84            | 88          | 94           | rBV7     | 9029           | 16864         | 0.58%           | 0.064%        |
| 3         | 3.969       | 96            | 99          | 105          | rVB4     | 13420          | 20850         | 0.72%           | 0.079%        |
| 4         | 4.099       | 117           | 121         | 126          | rVB3     | 11176          | 16801         | 0.58%           | 0.063%        |
| 5         | 4.193       | 133           | 137         | 143          | rBV      | 19333          | 29256         | 1.01%           | 0.111%        |
| 6         | 4.775       | 232           | 236         | 242          | rVB8     | 3967           | 7417          | 0.26%           | 0.028%        |
| 7         | 5.140       | 294           | 298         | 301          | rBV5     | 3543           | 5707          | 0.20%           | 0.022%        |
| 8         | 5.245       | 314           | 316         | 322          | rVB7     | 3278           | 4616          | 0.16%           | 0.017%        |
| 9         | 6.051       | 449           | 453         | 460          | rVB8     | 5444           | 10470         | 0.36%           | 0.040%        |
| 10        | 7.239       | 647           | 655         | 665          | rVV      | 151569         | 241509        | 8.32%           | 0.913%        |
| 11        | 7.410       | 678           | 684         | 693          | rBV      | 115334         | 183380        | 6.32%           | 0.693%        |
| 12        | 7.510       | 697           | 701         | 705          | rBV7     | 2934           | 5797          | 0.20%           | 0.022%        |
| 13        | 7.610       | 712           | 718         | 725          | rBV      | 144877         | 232974        | 8.03%           | 0.880%        |
| 14        | 7.728       | 736           | 738         | 740          | rBV3     | 4248           | 4929          | 0.17%           | 0.019%        |
| 15        | 8.086       | 792           | 799         | 806          | rBV      | 1115216        | 1719813       | 59.25%          | 6.499%        |
| 16        | 8.351       | 838           | 844         | 847          | rBV7     | 5100           | 7833          | 0.27%           | 0.030%        |
| 17        | 8.628       | 886           | 891         | 903          | rBV2     | 25342          | 52906         | 1.82%           | 0.200%        |
| 18        | 8.792       | 911           | 919         | 927          | rBV      | 157059         | 265209        | 9.14%           | 1.002%        |
| 19        | 8.851       | 927           | 929         | 933          | rVV4     | 4243           | 6045          | 0.21%           | 0.023%        |
| 20        | 8.916       | 936           | 940         | 946          | rVB      | 15319          | 27307         | 0.94%           | 0.103%        |
| 21        | 9.257       | 991           | 998         | 1004         | rBV      | 130269         | 218403        | 7.52%           | 0.825%        |
| 22        | 9.363       | 1011          | 1016        | 1018         | rBV6     | 3226           | 4201          | 0.14%           | 0.016%        |
| 23        | 9.651       | 1062          | 1065        | 1071         | rVB6     | 5884           | 8318          | 0.29%           | 0.031%        |
| 24        | 9.980       | 1113          | 1121        | 1129         | rBV      | 96498          | 168891        | 5.82%           | 0.638%        |
| 25        | 10.333      | 1179          | 1181        | 1187         | rVB6     | 4645           | 6628          | 0.23%           | 0.025%        |
| 26        | 10.522      | 1207          | 1213        | 1222         | rVV      | 146766         | 243779        | 8.40%           | 0.921%        |
| 27        | 10.904      | 1270          | 1278        | 1284         | rBV      | 1394594        | 2328711       | 80.23%          | 8.800%        |
| 28        | 10.957      | 1284          | 1287        | 1294         | rVB      | 104299         | 153636        | 5.29%           | 0.581%        |
| 29        | 11.045      | 1296          | 1302        | 1313         | rVV2     | 69409          | 138005        | 4.75%           | 0.522%        |
| 30        | 12.145      | 1483          | 1489        | 1493         | rVB9     | 2991           | 5809          | 0.20%           | 0.022%        |
| 31        | 12.298      | 1508          | 1515        | 1520         | rBV9     | 6617           | 14114         | 0.49%           | 0.053%        |
| 32        | 12.392      | 1528          | 1531        | 1538         | rVB5     | 6782           | 10084         | 0.35%           | 0.038%        |
| 33        | 12.551      | 1552          | 1558        | 1565         | rVB      | 43978          | 72313         | 2.49%           | 0.273%        |
| 34        | 12.680      | 1574          | 1580        | 1585         | rBV8     | 6285           | 12740         | 0.44%           | 0.048%        |
| 35        | 12.774      | 1590          | 1596        | 1602         | rVB      | 21639          | 35118         | 1.21%           | 0.133%        |
| 36        | 13.251      | 1670          | 1677        | 1681         | rBV8     | 4028           | 7561          | 0.26%           | 0.029%        |

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 13.527 | 1719 | 1724 | 1725 | rBV5 | 8608    | 11025   | 0.38%  | 0.042% |
| 38 | 13.551 | 1725 | 1728 | 1732 | rVV2 | 12330   | 20616   | 0.71%  | 0.078% |
| 39 | 13.604 | 1732 | 1737 | 1742 | rVB6 | 6455    | 13105   | 0.45%  | 0.050% |
| 40 | 13.692 | 1749 | 1752 | 1757 | rVB7 | 4565    | 7322    | 0.25%  | 0.028% |
| 41 | 13.751 | 1757 | 1762 | 1769 | rBV8 | 4112    | 10928   | 0.38%  | 0.041% |
| 42 | 13.886 | 1779 | 1785 | 1786 | rBV5 | 7583    | 13546   | 0.47%  | 0.051% |
| 43 | 14.033 | 1804 | 1810 | 1816 | rBV6 | 12000   | 23508   | 0.81%  | 0.089% |
| 44 | 14.121 | 1816 | 1825 | 1831 | rBV  | 202071  | 312933  | 10.78% | 1.183% |
| 45 | 14.251 | 1841 | 1847 | 1848 | rBV6 | 3371    | 5988    | 0.21%  | 0.023% |
| 46 | 14.345 | 1860 | 1863 | 1868 | rBV7 | 4057    | 6266    | 0.22%  | 0.024% |
| 47 | 14.410 | 1868 | 1874 | 1877 | rBV  | 272861  | 420230  | 14.48% | 1.588% |
| 48 | 14.439 | 1877 | 1879 | 1888 | rVB  | 125938  | 184463  | 6.36%  | 0.697% |
| 49 | 14.592 | 1901 | 1905 | 1908 | rVB  | 11716   | 15191   | 0.52%  | 0.057% |
| 50 | 14.621 | 1908 | 1910 | 1915 | rVB6 | 4072    | 4611    | 0.16%  | 0.017% |
| 51 | 14.715 | 1917 | 1926 | 1933 | rBV  | 1776299 | 2548182 | 87.80% | 9.629% |
| 52 | 14.780 | 1933 | 1937 | 1946 | rVV  | 74545   | 139929  | 4.82%  | 0.529% |
| 53 | 14.851 | 1946 | 1949 | 1954 | rVV6 | 10229   | 18716   | 0.64%  | 0.071% |
| 54 | 14.915 | 1954 | 1960 | 1968 | rVV3 | 32653   | 75657   | 2.61%  | 0.286% |
| 55 | 15.110 | 1987 | 1993 | 2001 | rBV  | 68579   | 118140  | 4.07%  | 0.446% |
| 56 | 15.333 | 2024 | 2031 | 2034 | rBV8 | 8315    | 17255   | 0.59%  | 0.065% |
| 57 | 15.492 | 2051 | 2058 | 2061 | rBV7 | 9997    | 19409   | 0.67%  | 0.073% |
| 58 | 15.539 | 2061 | 2066 | 2070 | rVB3 | 20607   | 30974   | 1.07%  | 0.117% |
| 59 | 15.586 | 2070 | 2074 | 2077 | rBV5 | 6166    | 10959   | 0.38%  | 0.041% |
| 60 | 15.698 | 2088 | 2093 | 2099 | rVV  | 311176  | 477497  | 16.45% | 1.804% |
| 61 | 15.757 | 2099 | 2103 | 2108 | rVV2 | 48372   | 86678   | 2.99%  | 0.328% |
| 62 | 15.815 | 2109 | 2113 | 2121 | rVV3 | 48900   | 81558   | 2.81%  | 0.308% |
| 63 | 15.874 | 2121 | 2123 | 2126 | rVB4 | 5446    | 4413    | 0.15%  | 0.017% |
| 64 | 15.945 | 2129 | 2135 | 2140 | rVV7 | 12940   | 24996   | 0.86%  | 0.094% |
| 65 | 16.062 | 2148 | 2155 | 2159 | rBV3 | 27032   | 56360   | 1.94%  | 0.213% |
| 66 | 16.162 | 2168 | 2172 | 2173 | rBV4 | 8443    | 10233   | 0.35%  | 0.039% |
| 67 | 16.192 | 2174 | 2177 | 2186 | rVB4 | 16092   | 36409   | 1.25%  | 0.138% |
| 68 | 16.398 | 2208 | 2212 | 2214 | rBV2 | 64102   | 90189   | 3.11%  | 0.341% |
| 69 | 16.427 | 2214 | 2217 | 2226 | rVB4 | 64971   | 115548  | 3.98%  | 0.437% |
| 70 | 16.904 | 2296 | 2298 | 2301 | rVB4 | 10840   | 8868    | 0.31%  | 0.034% |
| 71 | 17.027 | 2316 | 2319 | 2324 | rVB3 | 17877   | 27688   | 0.95%  | 0.105% |
| 72 | 17.104 | 2327 | 2332 | 2337 | rBV2 | 78893   | 121556  | 4.19%  | 0.459% |
| 73 | 17.192 | 2342 | 2347 | 2351 | rVV2 | 43139   | 65193   | 2.25%  | 0.246% |
| 74 | 17.239 | 2351 | 2355 | 2358 | rVV  | 46057   | 68423   | 2.36%  | 0.259% |
| 75 | 17.274 | 2358 | 2361 | 2367 | rVB  | 29948   | 47675   | 1.64%  | 0.180% |
| 76 | 17.456 | 2385 | 2392 | 2396 | rBV  | 1731470 | 2563554 | 88.33% | 9.687% |

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Integrator: RTE

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|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 17.492 | 2396 | 2398 | 2404 | rVV  | 359178  | 493981  | 17.02%  | 1.867%  |
| 78  | 17.551 | 2404 | 2408 | 2411 | rVV2 | 315974  | 474435  | 16.35%  | 1.793%  |
| 79  | 17.586 | 2411 | 2414 | 2420 | rVB  | 499487  | 675780  | 23.28%  | 2.554%  |
| 80  | 17.856 | 2455 | 2460 | 2468 | rVB  | 65703   | 118903  | 4.10%   | 0.449%  |
| 81  | 17.927 | 2468 | 2472 | 2476 | rBV  | 48092   | 63739   | 2.20%   | 0.241%  |
| 82  | 18.327 | 2536 | 2540 | 2545 | rBV3 | 102339  | 139084  | 4.79%   | 0.526%  |
| 83  | 18.374 | 2545 | 2548 | 2552 | rVB2 | 50094   | 62474   | 2.15%   | 0.236%  |
| 84  | 18.456 | 2558 | 2562 | 2566 | rVB  | 52608   | 69670   | 2.40%   | 0.263%  |
| 85  | 18.527 | 2569 | 2574 | 2578 | rBV3 | 84870   | 138829  | 4.78%   | 0.525%  |
| 86  | 18.615 | 2586 | 2589 | 2594 | rBV3 | 52003   | 68166   | 2.35%   | 0.258%  |
| 87  | 18.715 | 2603 | 2606 | 2610 | rBV  | 42346   | 60650   | 2.09%   | 0.229%  |
| 88  | 18.868 | 2628 | 2632 | 2636 | rBV3 | 54396   | 74460   | 2.57%   | 0.281%  |
| 89  | 19.380 | 2715 | 2719 | 2727 | rBV  | 67794   | 138108  | 4.76%   | 0.522%  |
| 90  | 19.498 | 2735 | 2739 | 2745 | rVB  | 715006  | 941200  | 32.43%  | 3.557%  |
| 91  | 19.597 | 2753 | 2756 | 2760 | rBV  | 53438   | 63840   | 2.20%   | 0.241%  |
| 92  | 19.721 | 2774 | 2777 | 2784 | rVB2 | 68716   | 94451   | 3.25%   | 0.357%  |
| 93  | 19.833 | 2791 | 2796 | 2798 | rBV2 | 485919  | 708483  | 24.41%  | 2.677%  |
| 94  | 19.862 | 2798 | 2801 | 2808 | rVB  | 648107  | 873322  | 30.09%  | 3.300%  |
| 95  | 20.103 | 2838 | 2842 | 2848 | rBV  | 296725  | 409904  | 14.12%  | 1.549%  |
| 96  | 20.397 | 2890 | 2892 | 2897 | rVB  | 84596   | 97191   | 3.35%   | 0.367%  |
| 97  | 21.303 | 3043 | 3046 | 3050 | rBV3 | 158237  | 181106  | 6.24%   | 0.684%  |
| 98  | 21.621 | 3094 | 3100 | 3104 | rBV2 | 1942484 | 2902403 | 100.00% | 10.968% |
| 99  | 23.344 | 3388 | 3393 | 3399 | rBV  | 467495  | 969320  | 33.40%  | 3.663%  |
| 100 | 24.103 | 3516 | 3522 | 3528 | rBV2 | 1248369 | 2422214 | 83.46%  | 9.153%  |

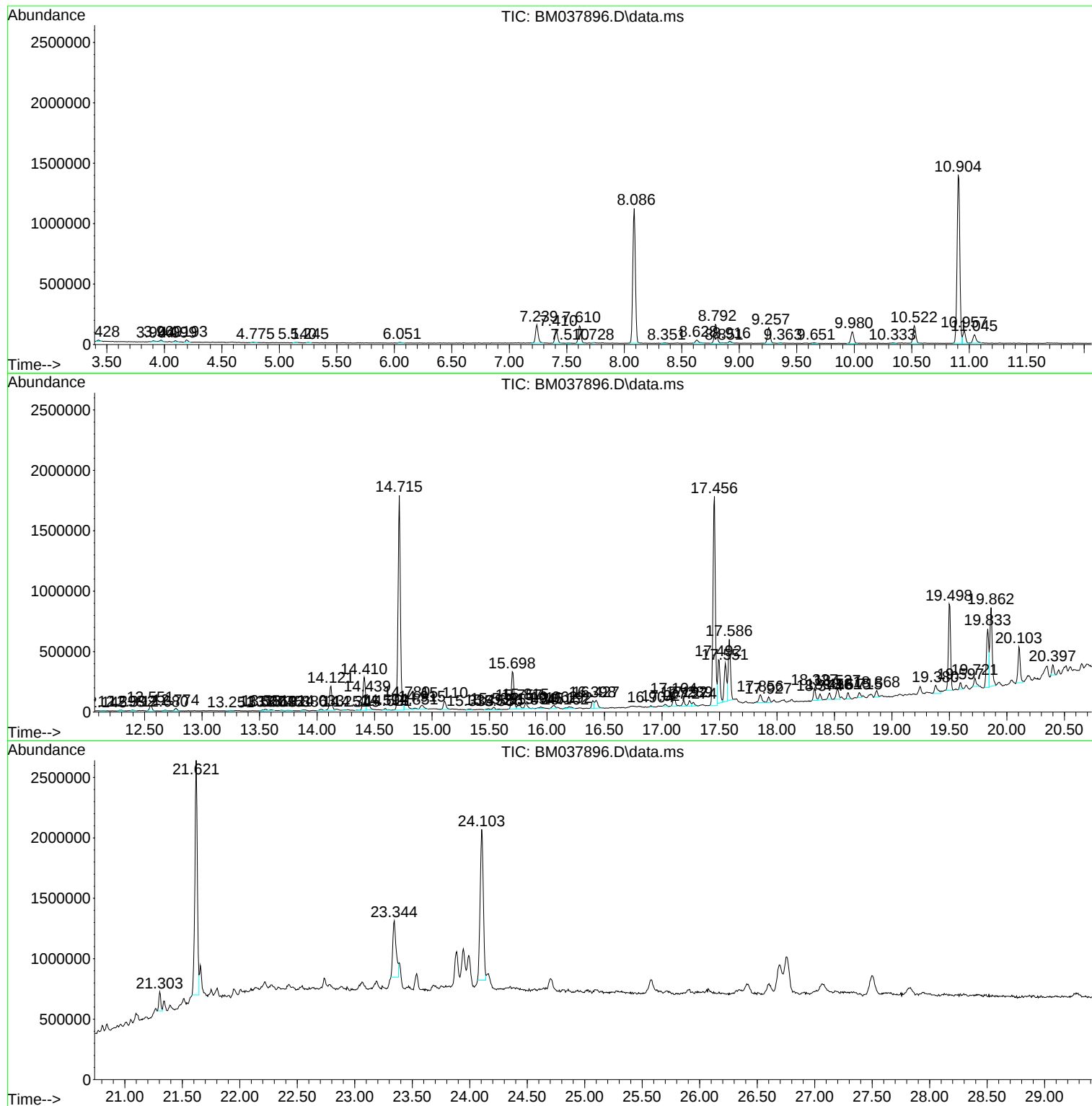
Sum of corrected areas: 26462692

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M  
Quant Title : SVOA CALIBRATION

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



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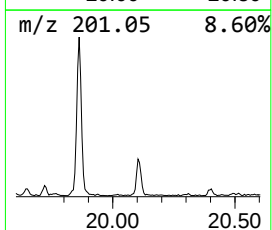
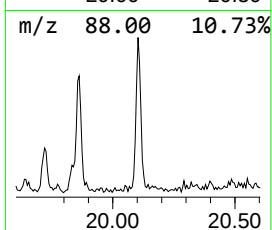
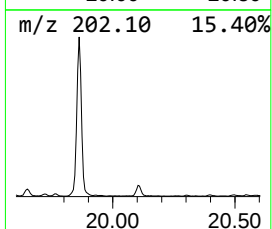
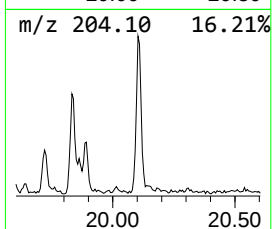
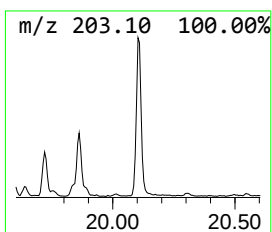
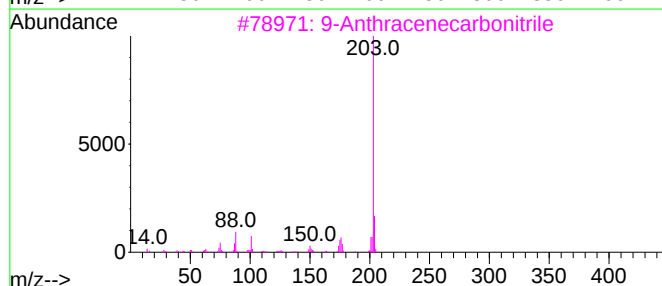
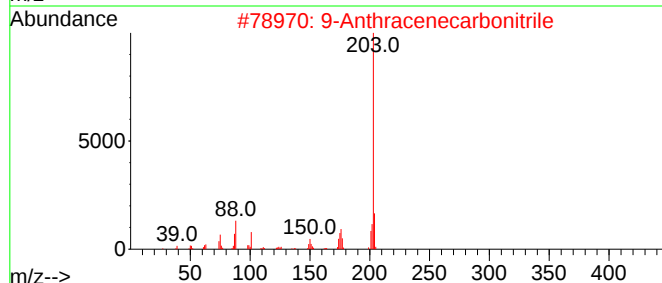
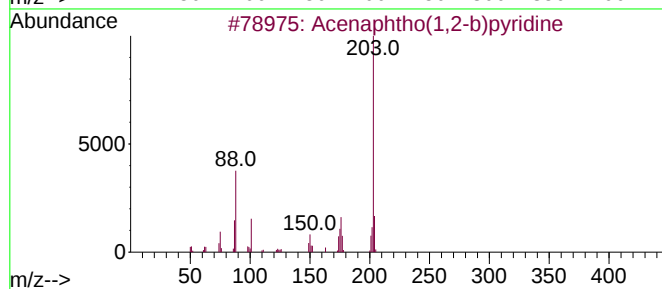
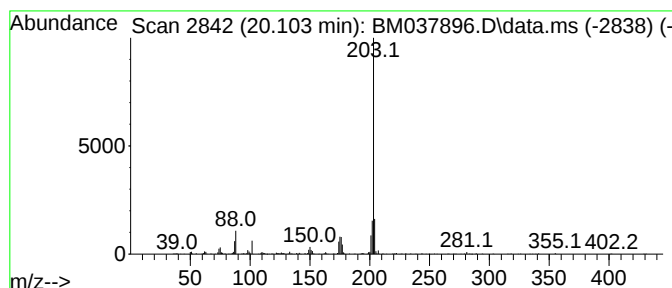
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Acenaphtho(1,2-b)pyridine Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.103 | 2.82 ng/ul | 409904 | Chrysene-d12     | 21.621 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphtho(1,2-b)pyridine   | 203 | C15H9N  | 000206-49-5 | 97   |
| 2    |    |   | 9-Anthracenecarbonitrile    | 203 | C15H9N  | 001210-12-4 | 97   |
| 3    |    |   | 9-Anthracenecarbonitrile    | 203 | C15H9N  | 001210-12-4 | 97   |
| 4    |    |   | Naphtho(2,1,8-def)quinoline | 203 | C15H9N  | 000313-80-4 | 97   |
| 5    |    |   | 9-Anthracenecarbonitrile    | 203 | C15H9N  | 001210-12-4 | 97   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Acenaphtho(1,2-... | 20.103 | 2.8     | ng/u1 | 409904   | 5                     | 21.621 | 2902400 | 20.0 |