

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
 Data File : BG063077.D  
 Acq On : 27 Sep 2024 17:09  
 Operator : RC/JU  
 Sample : P3910-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DDC74

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-BG092524.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BG063077.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         | 3.581       | 81            | 84          | 91           | rVB2     | 19242          | 30466         | 0.54%           | 0.066%        |
| 2         | 3.722       | 104           | 108         | 116          | rVB2     | 47216          | 87758         | 1.57%           | 0.189%        |
| 3         | 4.967       | 316           | 320         | 324          | rBV4     | 16971          | 21375         | 0.38%           | 0.046%        |
| 4         | 7.018       | 659           | 669         | 677          | rBV      | 201328         | 359905        | 6.42%           | 0.774%        |
| 5         | 7.182       | 690           | 697         | 704          | rBV      | 115962         | 202647        | 3.61%           | 0.436%        |
| 6         | 7.277       | 708           | 713         | 720          | rVB2     | 40504          | 66661         | 1.19%           | 0.143%        |
| 7         | 7.382       | 725           | 731         | 739          | rVB      | 201647         | 344443        | 6.14%           | 0.741%        |
| 8         | 7.482       | 744           | 748         | 752          | rVB4     | 17877          | 28894         | 0.52%           | 0.062%        |
| 9         | 7.846       | 803           | 810         | 819          | rBV      | 285615         | 492876        | 8.79%           | 1.060%        |
| 10        | 8.275       | 877           | 883         | 887          | rBV2     | 47098          | 76187         | 1.36%           | 0.164%        |
| 11        | 8.322       | 887           | 891         | 896          | rVB2     | 23125          | 35734         | 0.64%           | 0.077%        |
| 12        | 8.551       | 924           | 930         | 938          | rVB      | 271448         | 468644        | 8.36%           | 1.008%        |
| 13        | 8.622       | 938           | 942         | 944          | rBV5     | 9742           | 13357         | 0.24%           | 0.029%        |
| 14        | 8.834       | 972           | 978         | 986          | rVB2     | 107785         | 180623        | 3.22%           | 0.389%        |
| 15        | 8.957       | 995           | 999         | 1002         | rVV2     | 63321          | 101557        | 1.81%           | 0.218%        |
| 16        | 8.998       | 1002          | 1006        | 1013         | rVV      | 175389         | 312160        | 5.57%           | 0.672%        |
| 17        | 9.080       | 1016          | 1020        | 1023         | rVV4     | 21117          | 28652         | 0.51%           | 0.062%        |
| 18        | 9.192       | 1032          | 1039        | 1046         | rVB8     | 17036          | 42826         | 0.76%           | 0.092%        |
| 19        | 9.568       | 1095          | 1103        | 1108         | rBV8     | 23115          | 43158         | 0.77%           | 0.093%        |
| 20        | 9.627       | 1108          | 1113        | 1119         | rBV4     | 39954          | 62945         | 1.12%           | 0.135%        |
| 21        | 9.721       | 1123          | 1129        | 1138         | rVV2     | 187800         | 324113        | 5.78%           | 0.697%        |
| 22        | 9.997       | 1171          | 1176        | 1180         | rBV6     | 8370           | 13296         | 0.24%           | 0.029%        |
| 23        | 10.261      | 1210          | 1221        | 1234         | rBV      | 330153         | 616495        | 11.00%          | 1.326%        |
| 24        | 10.449      | 1251          | 1253        | 1257         | rVB5     | 13359          | 14592         | 0.26%           | 0.031%        |
| 25        | 10.532      | 1266          | 1267        | 1273         | rVB3     | 13164          | 16476         | 0.29%           | 0.035%        |
| 26        | 10.637      | 1277          | 1285        | 1292         | rBV2     | 2442747        | 3995787       | 71.27%          | 8.596%        |
| 27        | 10.755      | 1298          | 1305        | 1317         | rVB2     | 942979         | 1889181       | 33.70%          | 4.064%        |
| 28        | 10.925      | 1326          | 1334        | 1340         | rBV3     | 88841          | 155069        | 2.77%           | 0.334%        |
| 29        | 11.031      | 1347          | 1352        | 1358         | rBV4     | 90763          | 140902        | 2.51%           | 0.303%        |
| 30        | 11.143      | 1361          | 1371        | 1380         | rBV      | 292136         | 538959        | 9.61%           | 1.159%        |
| 31        | 11.383      | 1405          | 1412        | 1419         | rBV3     | 39253          | 77215         | 1.38%           | 0.166%        |
| 32        | 11.472      | 1421          | 1427        | 1431         | rBV7     | 18973          | 41390         | 0.74%           | 0.089%        |
| 33        | 11.530      | 1431          | 1437        | 1446         | rVV3     | 327219         | 702043        | 12.52%          | 1.510%        |
| 34        | 11.630      | 1450          | 1454        | 1457         | rVV3     | 35762          | 60811         | 1.08%           | 0.131%        |
| 35        | 11.665      | 1457          | 1460        | 1466         | rVB4     | 47155          | 74387         | 1.33%           | 0.160%        |
| 36        | 11.759      | 1471          | 1476        | 1480         | rBV3     | 55775          | 85540         | 1.53%           | 0.184%        |

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Integrator: RTE

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Sampling : 1

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Stop Thrs : 0

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.877 | 1491 | 1496 | 1507 | rVB3 | 236635  | 435266  | 7.76%  | 0.936% |
| 38 | 11.983 | 1509 | 1514 | 1520 | rVB2 | 67310   | 102198  | 1.82%  | 0.220% |
| 39 | 12.053 | 1520 | 1526 | 1532 | rBV2 | 279913  | 444958  | 7.94%  | 0.957% |
| 40 | 12.141 | 1536 | 1541 | 1544 | rBV3 | 35678   | 52878   | 0.94%  | 0.114% |
| 41 | 12.247 | 1554 | 1559 | 1563 | rBV7 | 18717   | 37361   | 0.67%  | 0.080% |
| 42 | 12.418 | 1584 | 1588 | 1592 | rVB4 | 26991   | 38338   | 0.68%  | 0.082% |
| 43 | 12.470 | 1592 | 1597 | 1608 | rVB3 | 508098  | 871529  | 15.54% | 1.875% |
| 44 | 12.723 | 1637 | 1640 | 1648 | rVB  | 40873   | 64669   | 1.15%  | 0.139% |
| 45 | 12.829 | 1652 | 1658 | 1663 | rBV4 | 36755   | 67833   | 1.21%  | 0.146% |
| 46 | 12.876 | 1663 | 1666 | 1668 | rVV2 | 11220   | 16583   | 0.30%  | 0.036% |
| 47 | 12.917 | 1668 | 1673 | 1680 | rVV3 | 94407   | 157691  | 2.81%  | 0.339% |
| 48 | 12.993 | 1680 | 1686 | 1690 | rVV8 | 15051   | 39469   | 0.70%  | 0.085% |
| 49 | 13.052 | 1690 | 1696 | 1702 | rVV  | 334605  | 503167  | 8.97%  | 1.082% |
| 50 | 13.111 | 1702 | 1706 | 1715 | rVB6 | 32689   | 62148   | 1.11%  | 0.134% |
| 51 | 13.205 | 1718 | 1722 | 1729 | rBV9 | 18549   | 45089   | 0.80%  | 0.097% |
| 52 | 13.311 | 1736 | 1740 | 1743 | rBV3 | 39834   | 57408   | 1.02%  | 0.123% |
| 53 | 13.363 | 1746 | 1749 | 1750 | rBV3 | 23960   | 21294   | 0.38%  | 0.046% |
| 54 | 13.528 | 1772 | 1777 | 1783 | rVB3 | 109607  | 191840  | 3.42%  | 0.413% |
| 55 | 13.657 | 1794 | 1799 | 1804 | rBV3 | 74378   | 128474  | 2.29%  | 0.276% |
| 56 | 13.769 | 1814 | 1818 | 1821 | rBV5 | 19314   | 25524   | 0.46%  | 0.055% |
| 57 | 13.828 | 1824 | 1828 | 1832 | rVB7 | 32307   | 59801   | 1.07%  | 0.129% |
| 58 | 13.892 | 1832 | 1839 | 1846 | rBV  | 679684  | 1042616 | 18.60% | 2.243% |
| 59 | 14.022 | 1857 | 1861 | 1866 | rVB8 | 25792   | 47350   | 0.84%  | 0.102% |
| 60 | 14.098 | 1873 | 1874 | 1879 | rVB5 | 20066   | 21458   | 0.38%  | 0.046% |
| 61 | 14.174 | 1881 | 1887 | 1897 | rVV2 | 789118  | 1272241 | 22.69% | 2.737% |
| 62 | 14.262 | 1898 | 1902 | 1908 | rVV9 | 30013   | 51802   | 0.92%  | 0.111% |
| 63 | 14.321 | 1908 | 1912 | 1918 | rVB7 | 31903   | 49696   | 0.89%  | 0.107% |
| 64 | 14.380 | 1918 | 1922 | 1927 | rBV5 | 43253   | 68282   | 1.22%  | 0.147% |
| 65 | 14.433 | 1927 | 1931 | 1934 | rBV4 | 62854   | 97948   | 1.75%  | 0.211% |
| 66 | 14.486 | 1934 | 1940 | 1947 | rVB  | 857838  | 1376111 | 24.54% | 2.960% |
| 67 | 14.615 | 1960 | 1962 | 1964 | rBV3 | 12547   | 14906   | 0.27%  | 0.032% |
| 68 | 14.656 | 1965 | 1969 | 1970 | rBV4 | 21033   | 26152   | 0.47%  | 0.056% |
| 69 | 14.691 | 1970 | 1975 | 1981 | rBV2 | 286361  | 497370  | 8.87%  | 1.070% |
| 70 | 14.991 | 2020 | 2026 | 2029 | rBV3 | 89226   | 145637  | 2.60%  | 0.313% |
| 71 | 15.114 | 2041 | 2047 | 2057 | rVB  | 392886  | 678734  | 12.11% | 1.460% |
| 72 | 15.214 | 2059 | 2064 | 2070 | rVB6 | 138004  | 223608  | 3.99%  | 0.481% |
| 73 | 15.314 | 2079 | 2081 | 2084 | rVB  | 30415   | 21619   | 0.39%  | 0.047% |
| 74 | 15.479 | 2103 | 2109 | 2117 | rVB  | 1172360 | 1798798 | 32.08% | 3.869% |
| 75 | 15.596 | 2118 | 2129 | 2138 | rBV2 | 333517  | 766496  | 13.67% | 1.649% |
| 76 | 15.667 | 2139 | 2141 | 2145 | rVB3 | 35230   | 37618   | 0.67%  | 0.081% |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 15.749 | 2152 | 2155 | 2163 | rVB6 | 92030   | 173067  | 3.09%   | 0.372%  |
| 78  | 15.843 | 2167 | 2171 | 2178 | rBV5 | 72887   | 125519  | 2.24%   | 0.270%  |
| 79  | 16.207 | 2229 | 2233 | 2236 | rBV6 | 44602   | 77081   | 1.37%   | 0.166%  |
| 80  | 16.295 | 2244 | 2248 | 2250 | rBV4 | 41435   | 65951   | 1.18%   | 0.142%  |
| 81  | 16.460 | 2273 | 2276 | 2282 | rVB3 | 63296   | 84255   | 1.50%   | 0.181%  |
| 82  | 16.542 | 2288 | 2290 | 2294 | rBV5 | 23569   | 30107   | 0.54%   | 0.065%  |
| 83  | 16.889 | 2343 | 2349 | 2362 | rBV  | 3653212 | 5606618 | 100.00% | 12.061% |
| 84  | 17.083 | 2380 | 2382 | 2385 | rBV2 | 28564   | 31852   | 0.57%   | 0.069%  |
| 85  | 17.235 | 2402 | 2408 | 2417 | rVB  | 1316614 | 1914563 | 34.15%  | 4.119%  |
| 86  | 17.335 | 2419 | 2425 | 2431 | rVV  | 1525219 | 2241124 | 39.97%  | 4.821%  |
| 87  | 17.423 | 2436 | 2440 | 2443 | rBV  | 212298  | 262278  | 4.68%   | 0.564%  |
| 88  | 17.700 | 2484 | 2487 | 2490 | rBV3 | 34247   | 42351   | 0.76%   | 0.091%  |
| 89  | 17.741 | 2490 | 2494 | 2496 | rBV3 | 82570   | 105092  | 1.87%   | 0.226%  |
| 90  | 17.852 | 2510 | 2513 | 2517 | rVB4 | 89237   | 106208  | 1.89%   | 0.228%  |
| 91  | 18.134 | 2557 | 2561 | 2570 | rVB3 | 259098  | 384983  | 6.87%   | 0.828%  |
| 92  | 18.428 | 2608 | 2611 | 2616 | rBV5 | 49785   | 65416   | 1.17%   | 0.141%  |
| 93  | 18.834 | 2677 | 2680 | 2688 | rBV9 | 45460   | 78753   | 1.40%   | 0.169%  |
| 94  | 19.192 | 2738 | 2741 | 2746 | rBV7 | 31520   | 52979   | 0.94%   | 0.114%  |
| 95  | 19.415 | 2775 | 2779 | 2785 | rBV9 | 75693   | 144443  | 2.58%   | 0.311%  |
| 96  | 19.633 | 2810 | 2816 | 2821 | rBV  | 2044448 | 2984287 | 53.23%  | 6.420%  |
| 97  | 21.154 | 3071 | 3075 | 3078 | rBV3 | 134842  | 215741  | 3.85%   | 0.464%  |
| 98  | 21.489 | 3125 | 3132 | 3138 | rBV  | 1541032 | 2444605 | 43.60%  | 5.259%  |
| 99  | 24.321 | 3604 | 3614 | 3623 | rBV  | 1223619 | 3119170 | 55.63%  | 6.710%  |
| 100 | 24.527 | 3640 | 3649 | 3661 | rVB  | 1052558 | 2721174 | 48.54%  | 5.854%  |

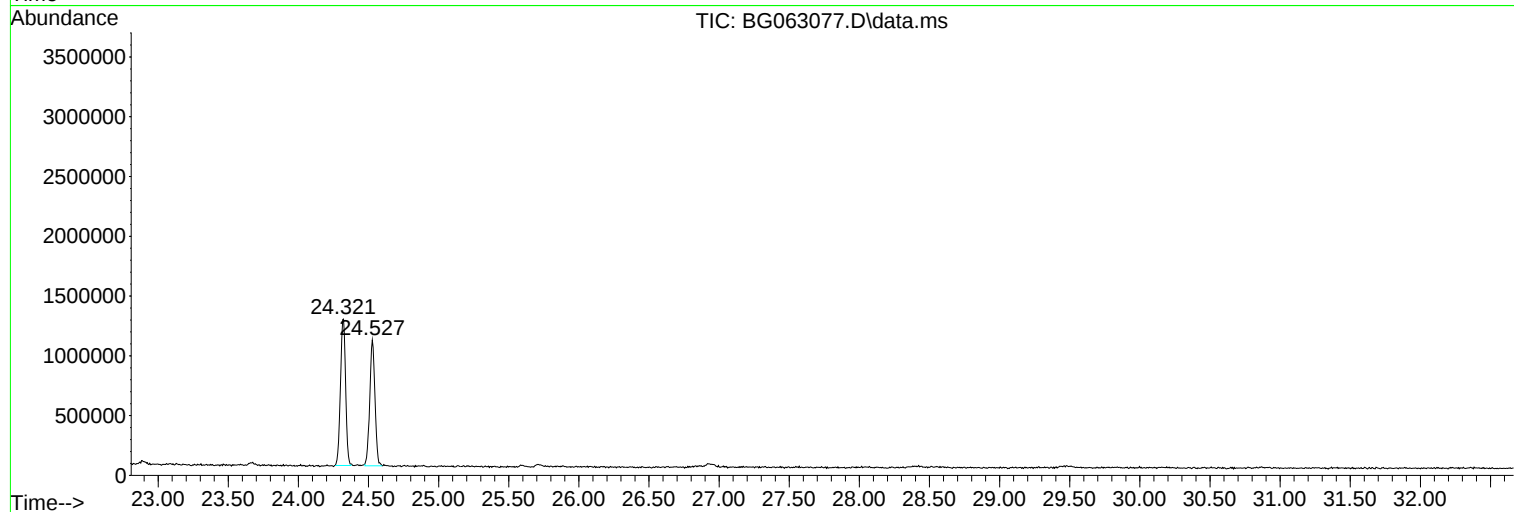
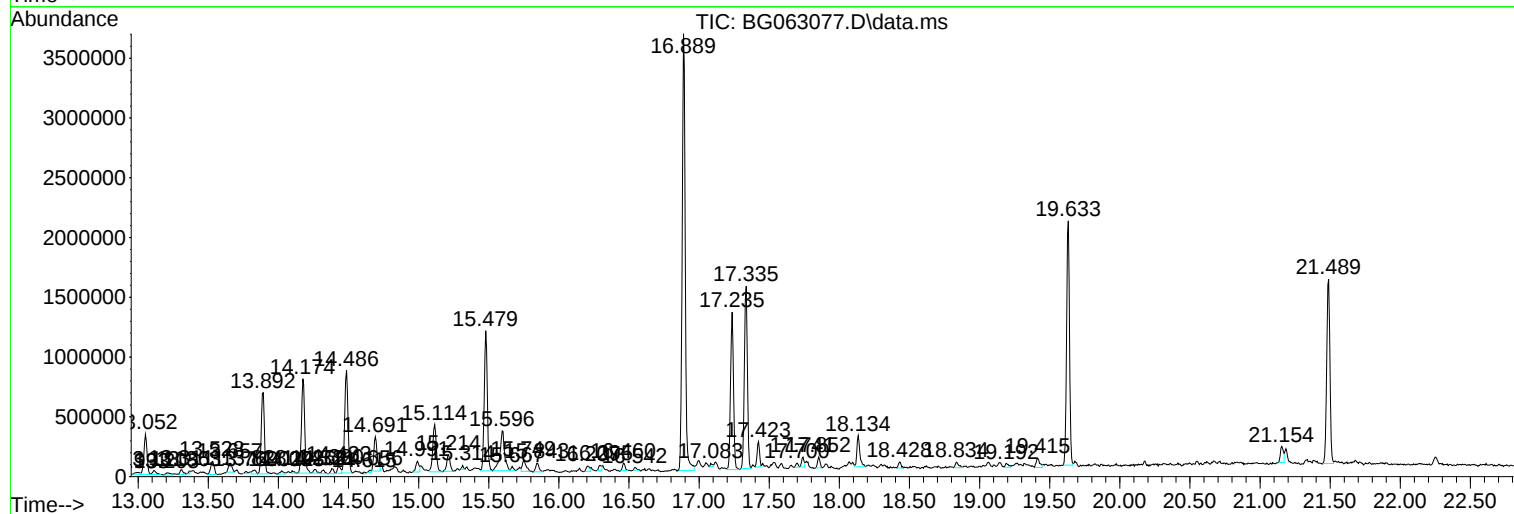
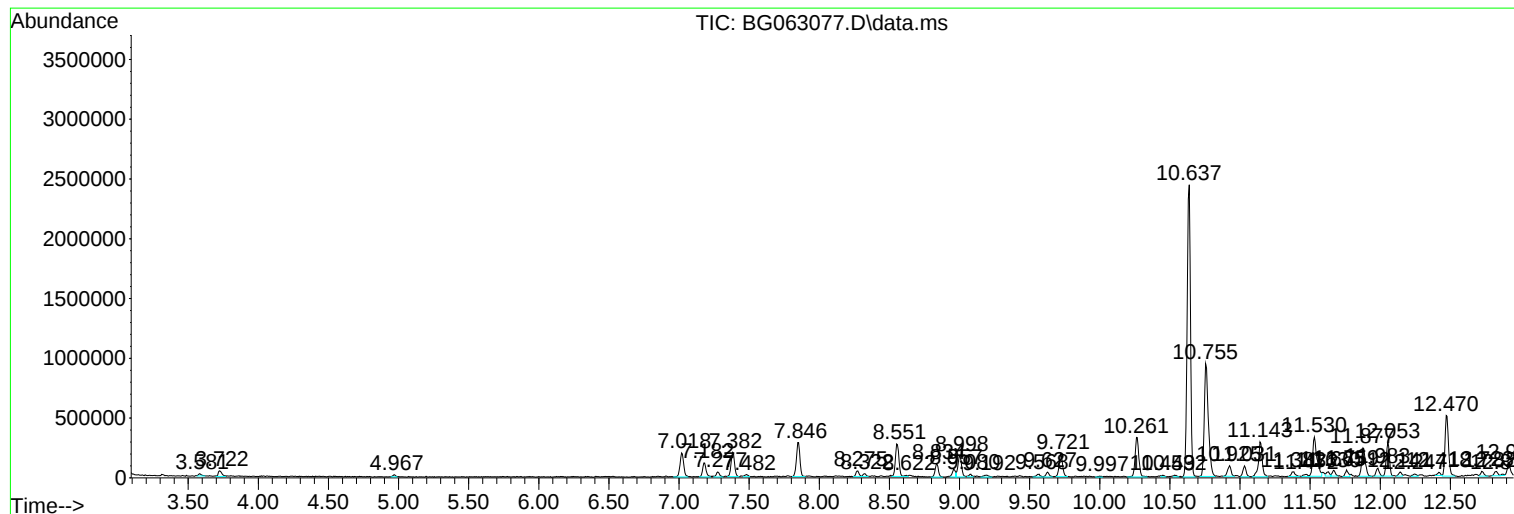
Sum of corrected areas: 46486701

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

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



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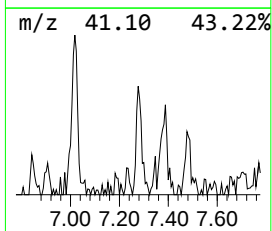
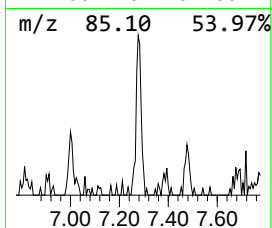
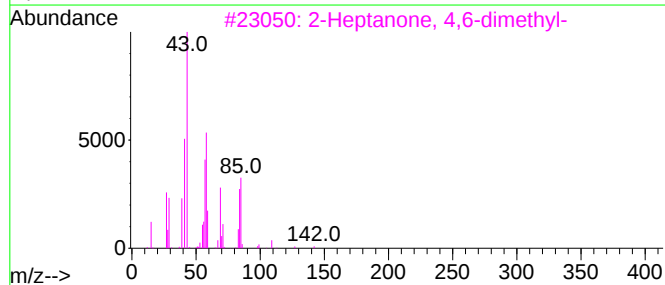
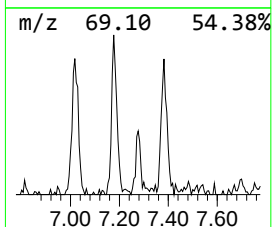
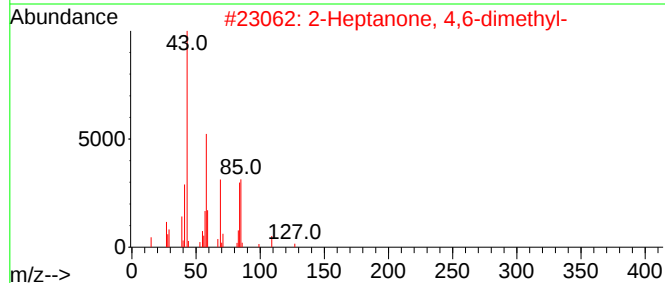
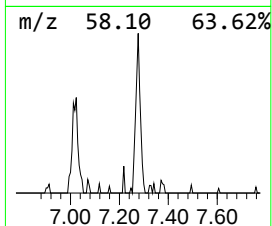
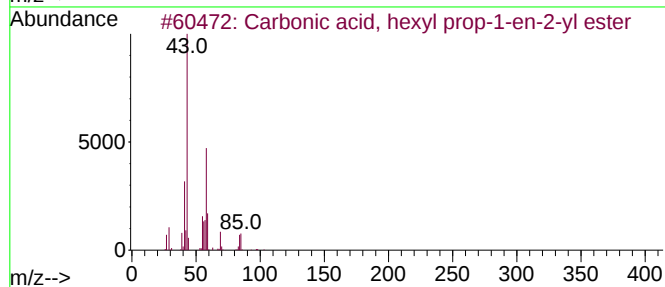
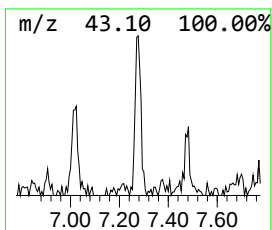
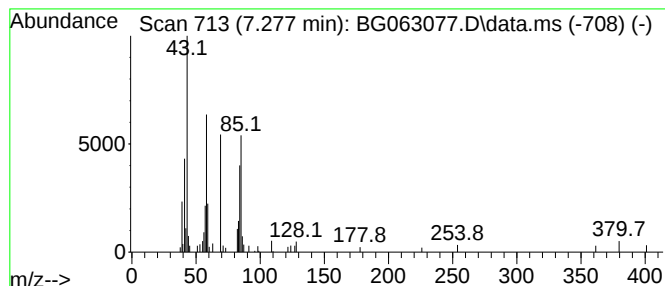
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Carbonic acid, hexyl prop-1... Concentration Rank 10

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 7.277 | 2.70 ng/ul | 66661 | 1,4-Dichlorobenzene-d4 | 7.852 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, hexyl prop-1-en-2... | 186 | C10H18O3 | 1000382-54-2 | 72   |
| 2    |    |   | 2-Heptanone, 4,6-dimethyl-          | 142 | C9H18O   | 019549-80-5  | 64   |
| 3    |    |   | 2-Heptanone, 4,6-dimethyl-          | 142 | C9H18O   | 019549-80-5  | 64   |
| 4    |    |   | Thiazole                            | 85  | C3H3NS   | 000288-47-1  | 38   |
| 5    |    |   | Nonane, 5-methyl-                   | 142 | C10H22   | 015869-85-9  | 38   |



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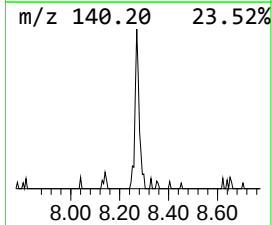
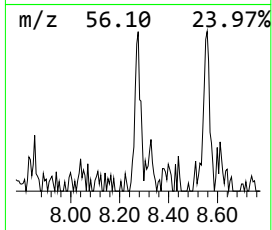
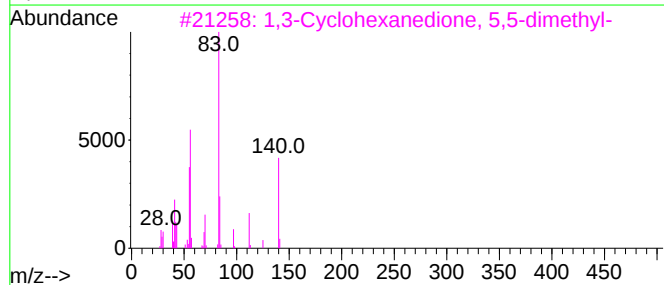
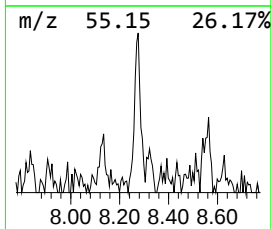
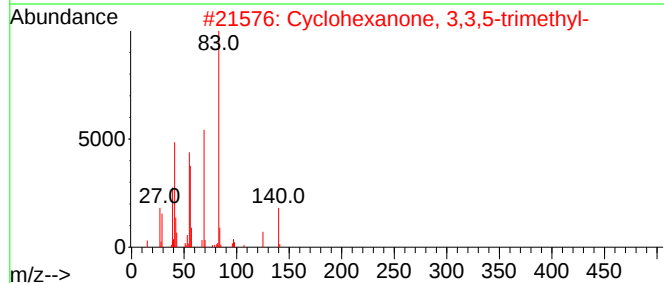
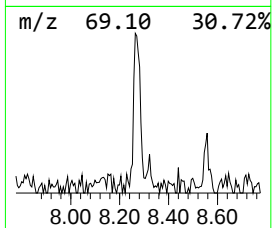
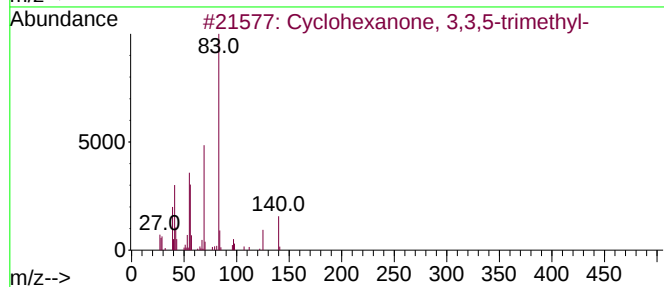
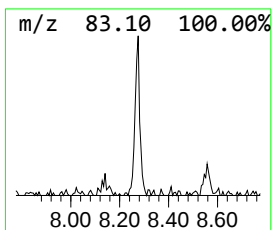
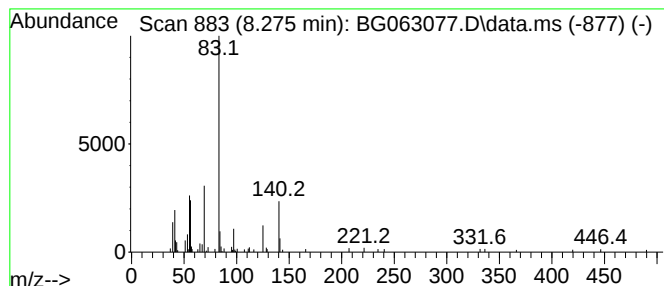
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Cyclohexanone, 3,3,5-trimet... Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 8.275 | 3.09 ng/ul | 76187 | 1,4-Dichlorobenzene-d4 | 7.852 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexanone, 3,3,5-trimethyl-     | 140 | C9H16O  | 000873-94-9 | 78   |
| 2    |      | Cyclohexanone, 3,3,5-trimethyl-     | 140 | C9H16O  | 000873-94-9 | 64   |
| 3    |      | 1,3-Cyclohexanedione, 5,5-dimethyl- | 140 | C8H12O2 | 000126-81-8 | 53   |
| 4    |      | Cyclohexanone, 3,3,5-trimethyl-     | 140 | C9H16O  | 000873-94-9 | 43   |
| 5    |      | Cyclohexane, (4-methylpentyl)-      | 168 | C12H24  | 061142-20-9 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

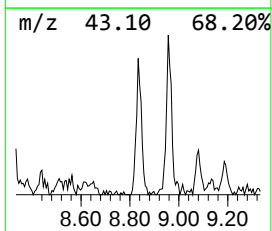
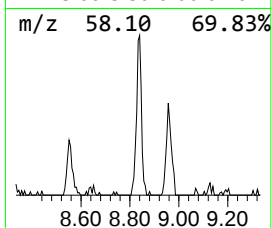
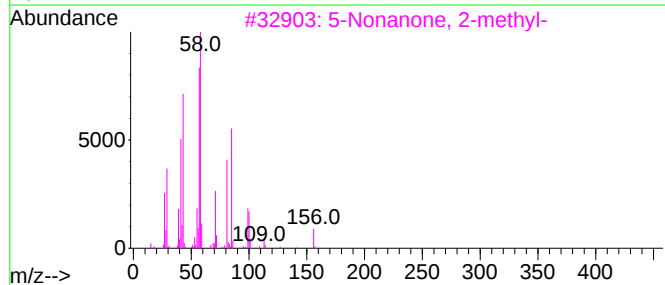
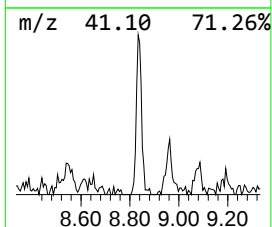
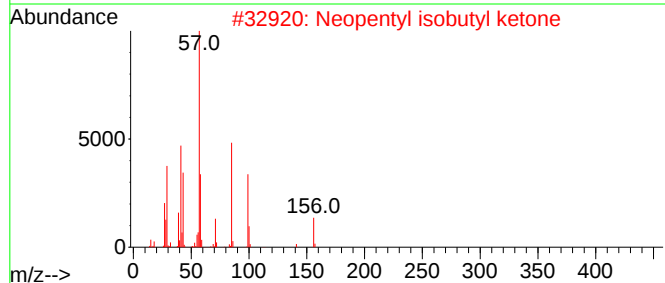
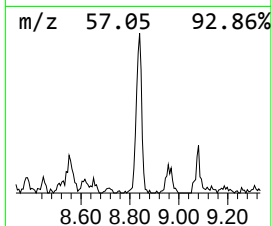
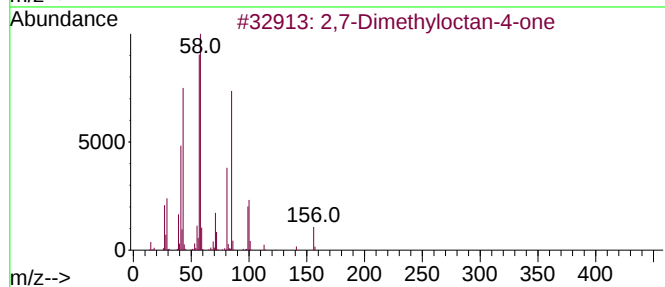
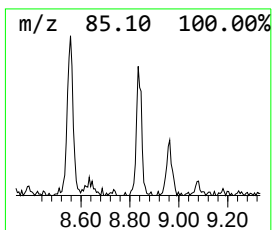
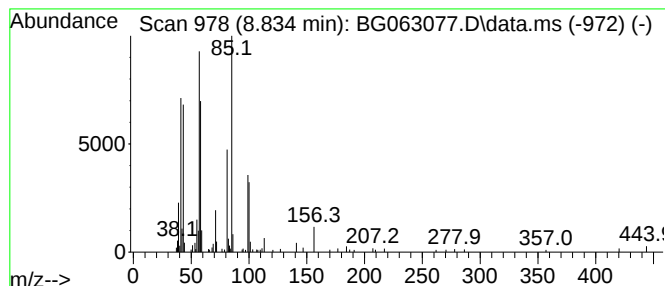
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 2,7-Dimethyloctan-4-one Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.834 | 7.33 ng/ul | 180623 | 1,4-Dichlorobenzene-d4 | 7.852 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,7-Dimethyloctan-4-one   | 156 | C10H20O | 059387-92-7 | 68   |
| 2    |    |   | Neopentyl isobutyl ketone | 156 | C10H20O | 040239-19-8 | 53   |
| 3    |    |   | 5-Nonanone, 2-methyl-     | 156 | C10H20O | 022287-02-1 | 52   |
| 4    |    |   | 5-Nonanone                | 142 | C9H18O  | 000502-56-7 | 50   |
| 5    |    |   | 1-t-Butyl-2-hexanone      | 156 | C10H20O | 022319-52-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

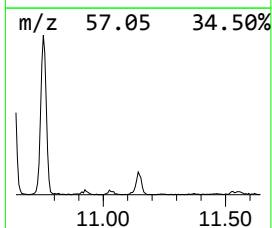
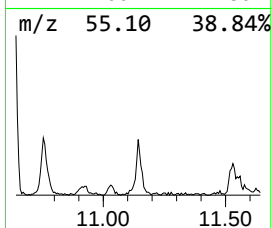
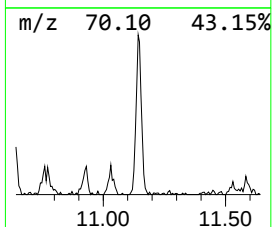
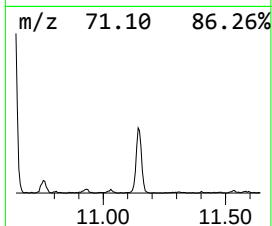
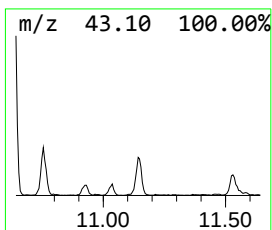
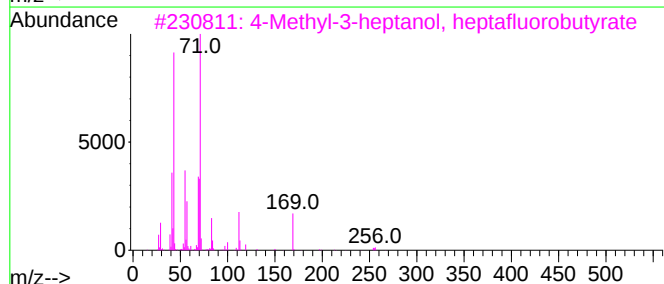
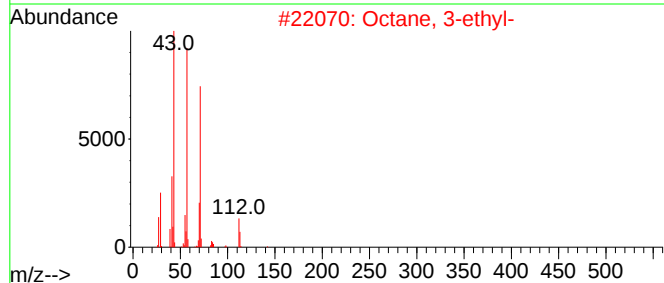
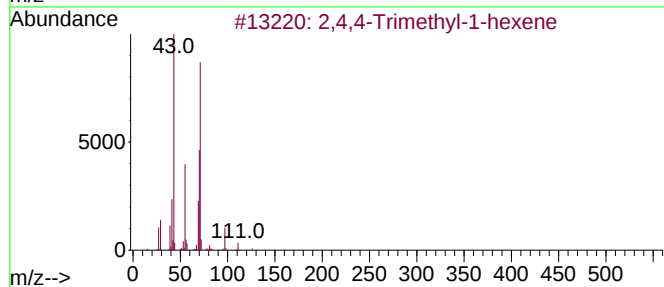
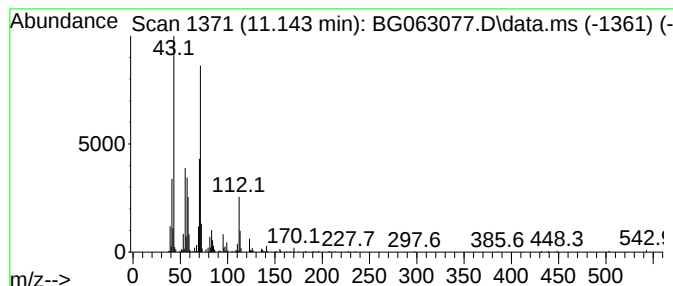
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.143 | 2.70 ng/ul | 538959 | Naphthalene-d8   | 10.637 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2,4,4-Trimethyl-1-hexene            | 126 | C9H18      | 051174-12-0  | 50   |
| 2    |    |   | Octane, 3-ethyl-                    | 142 | C10H22     | 005881-17-4  | 50   |
| 3    |    |   | 4-Methyl-3-heptanol, heptafluoro... | 326 | C12H17F7O2 | 1000365-51-5 | 47   |
| 4    |    |   | Oxalic acid, 2-ethylhexyl pentyl... | 272 | C15H28O4   | 1000309-38-7 | 45   |
| 5    |    |   | Cyclohexanol, 1-methyl-             | 114 | C7H14O     | 000590-67-0  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

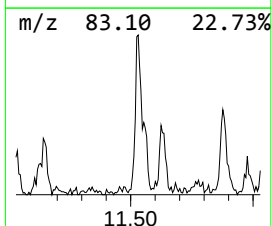
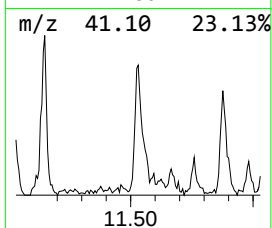
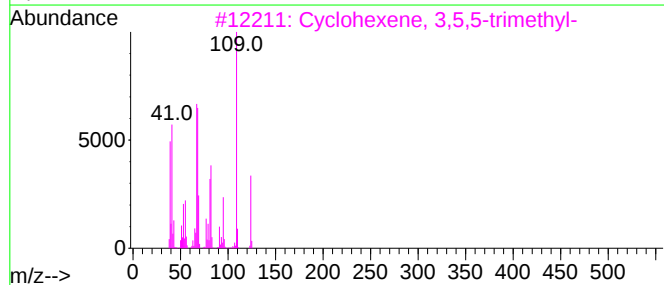
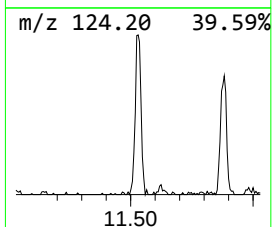
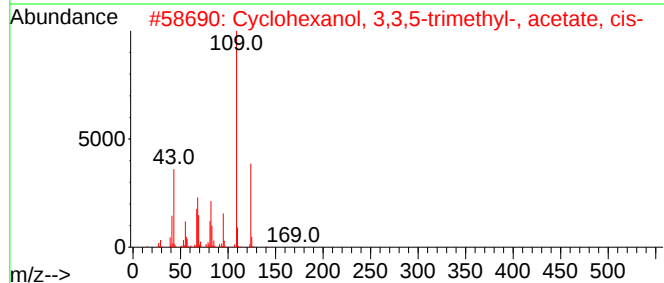
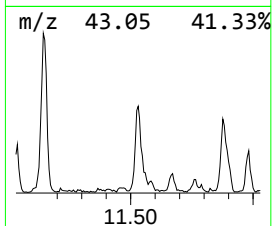
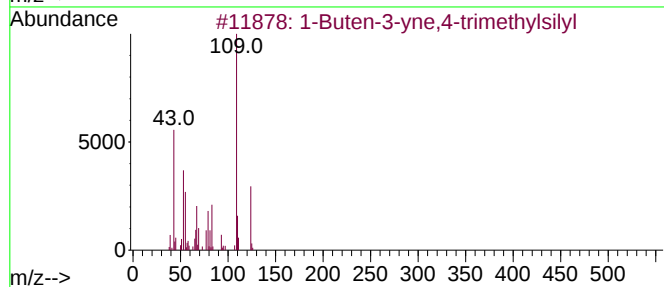
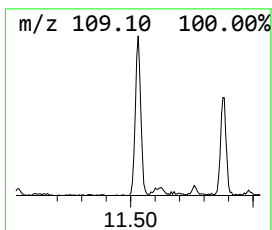
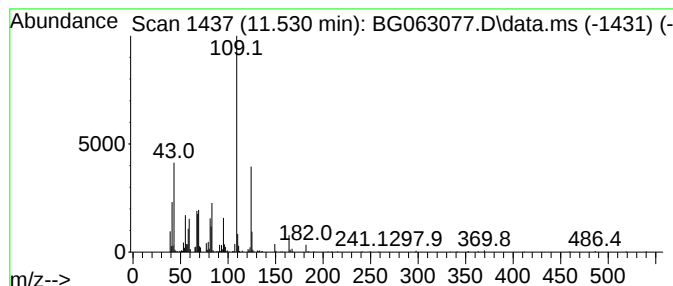
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Buten-3-yne,4-trimethylsilyl Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.530 | 3.51 ng/ul | 702043 | Naphthalene-d8   | 10.637 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Buten-3-yne,4-trimethylsilyl      | 124 | C7H12Si  | 002696-32-4 | 72   |
| 2    |    |   | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 72   |
| 3    |    |   | Cyclohexene, 3,5,5-trimethyl-       | 124 | C9H16    | 000933-12-0 | 68   |
| 4    |    |   | Cyclohexene, 3,3,5-trimethyl-       | 124 | C9H16    | 000503-45-7 | 68   |
| 5    |    |   | 2-Cyclopenten-1-one, 3,4,4-trime... | 124 | C8H12O   | 030434-65-2 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

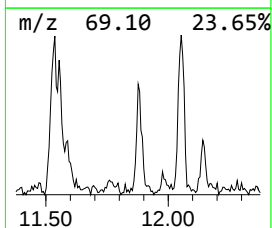
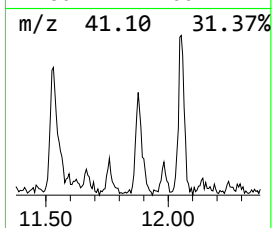
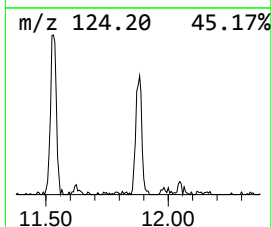
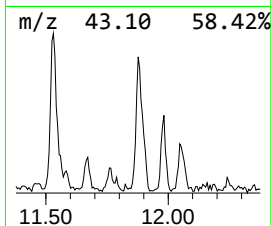
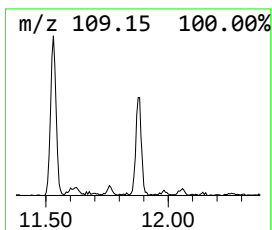
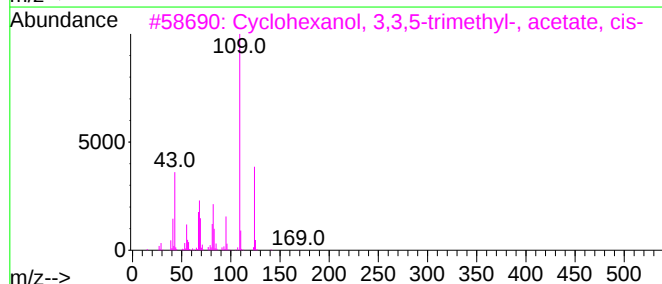
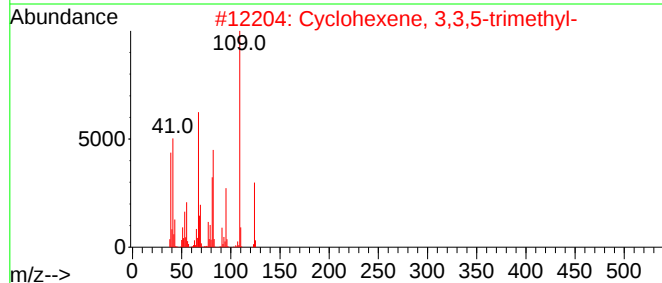
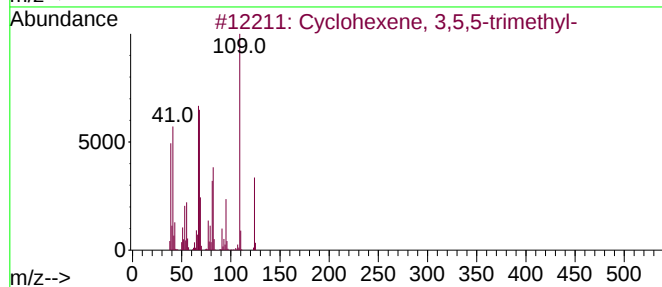
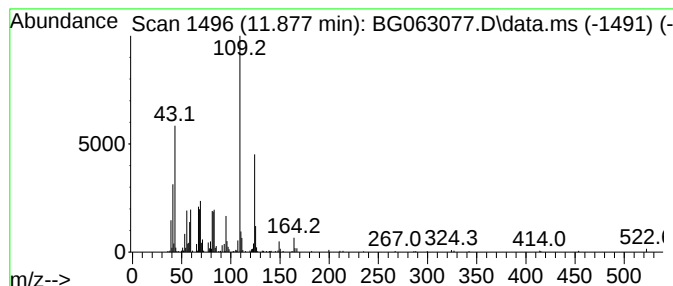
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexene, 3,5,5-trimethyl- Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.877 | 2.18 ng/ul | 435266 | Naphthalene-d8   | 10.637 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexene, 3,5,5-trimethyl-       | 124 | C9H16    | 000933-12-0 | 76   |
| 2    |    |   | Cyclohexene, 3,3,5-trimethyl-       | 124 | C9H16    | 000503-45-7 | 70   |
| 3    |    |   | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 64   |
| 4    |    |   | 2-Propenoic acid, 2-methyl-, 3,3... | 210 | C13H22O2 | 007779-31-9 | 64   |
| 5    |    |   | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

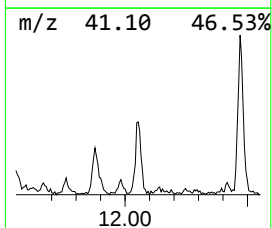
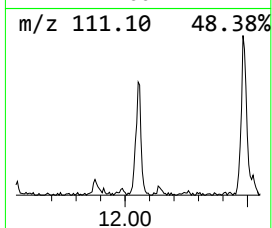
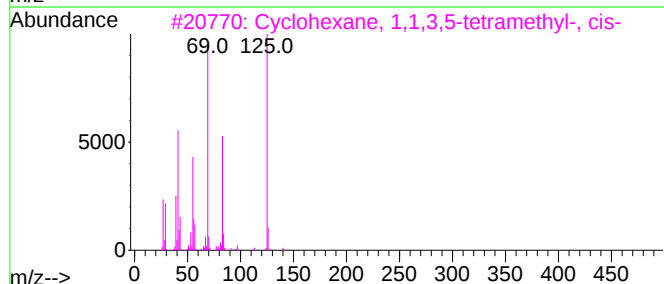
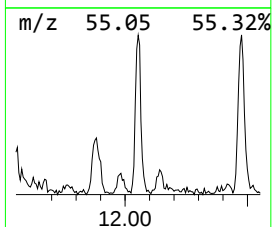
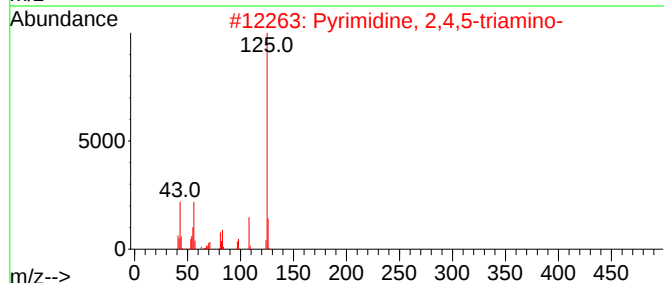
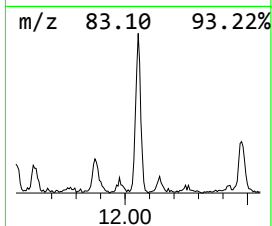
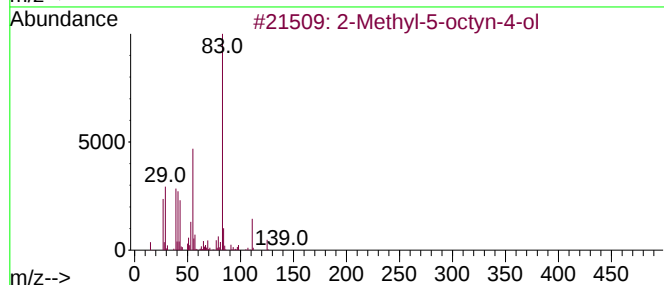
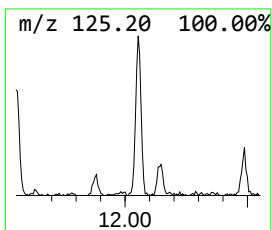
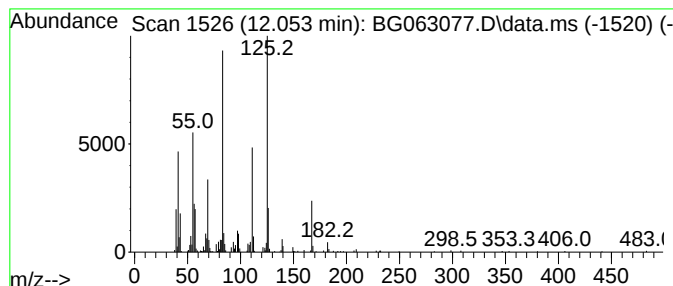
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 unknown-01 Concentration Rank 13

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.053 | 2.23 ng/ul | 444958 | Naphthalene-d8   | 10.637 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2-Methyl-5-octyn-4-ol               | 140 | C9H16O     | 060657-70-7  | 35   |
| 2    |    |   | Pyrimidine, 2,4,5-triamino-         | 125 | C4H7N5     | 003546-50-7  | 35   |
| 3    |    |   | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20     | 050876-32-9  | 35   |
| 4    |    |   | 3-Amino-2-cyclohexenone             | 111 | C6H9NO     | 005220-49-5  | 30   |
| 5    |    |   | 1,3-Benzenediol, o-chloroacetyl-... | 296 | C15H17ClO4 | 1000330-67-0 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

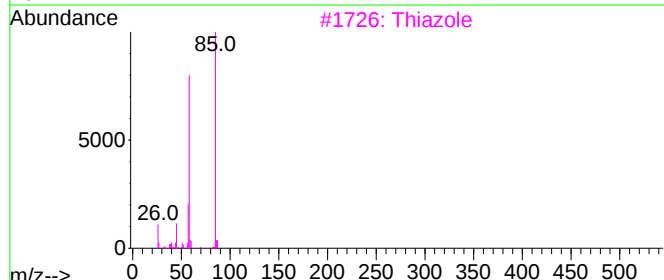
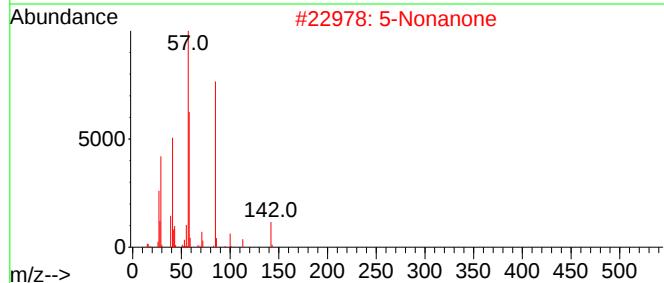
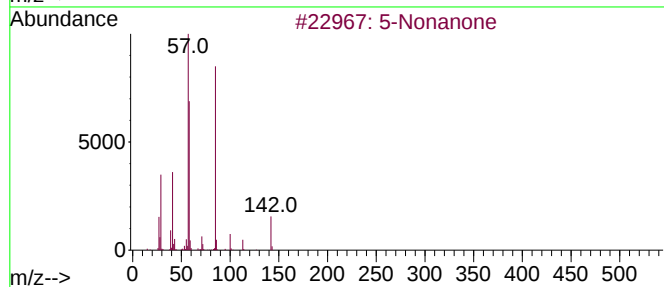
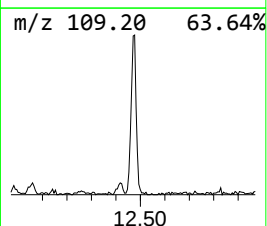
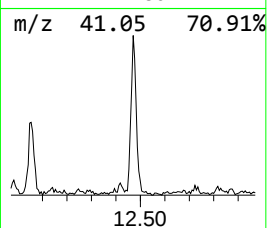
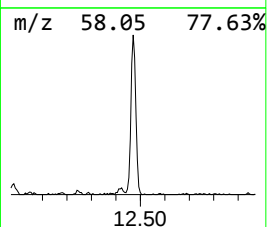
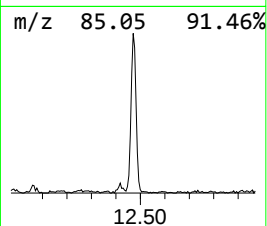
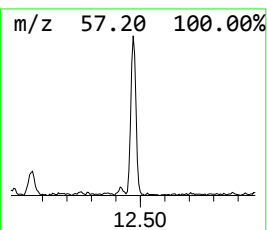
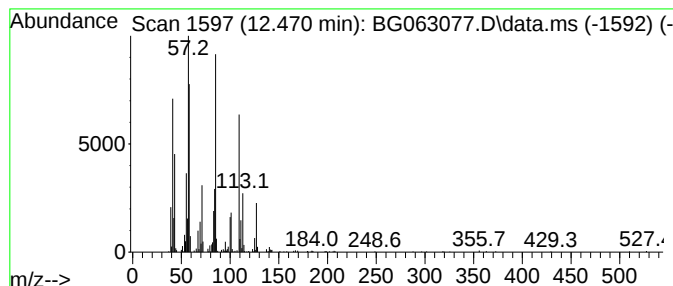
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 unknown-02 Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.470 | 4.36 ng/ul | 871529 | Naphthalene-d8   | 10.637 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 5-Nonanone                          |   |              | 142 | C9H18O  | 000502-56-7 | 43   |
| 2    | 5-Nonanone                          |   |              | 142 | C9H18O  | 000502-56-7 | 43   |
| 3    | Thiazole                            |   |              | 85  | C3H3NS  | 000288-47-1 | 43   |
| 4    | Heptane, 2,2,3,3,5,6,6-heptamethyl- |   |              | 198 | C14H30  | 007225-67-4 | 22   |
| 5    | Heptane, 4,4-dimethyl-              |   |              | 128 | C9H20   | 001068-19-5 | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

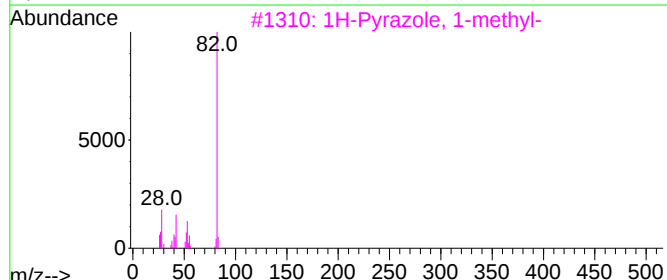
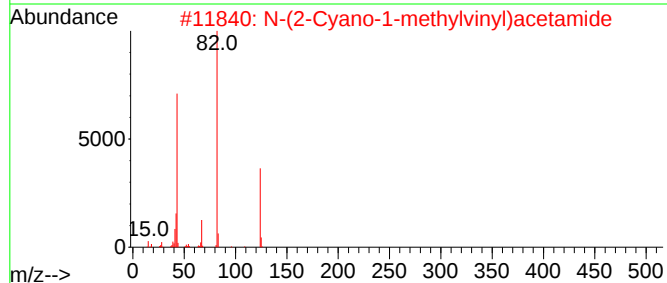
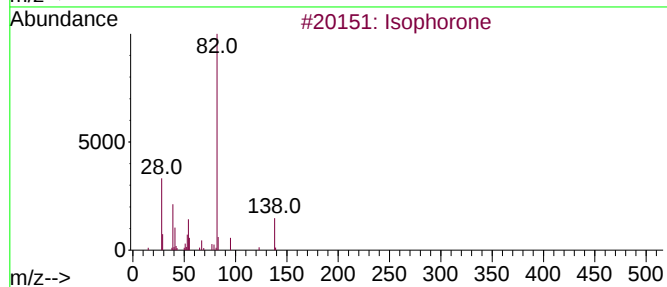
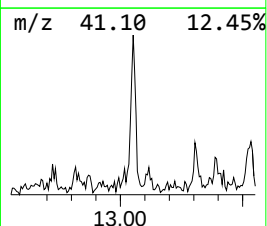
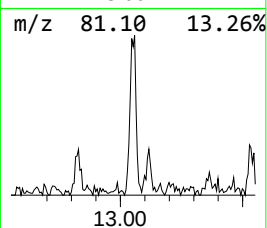
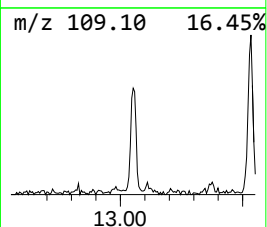
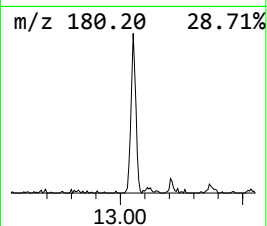
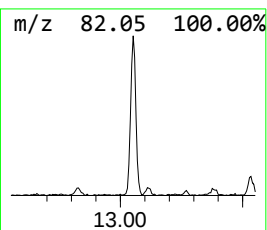
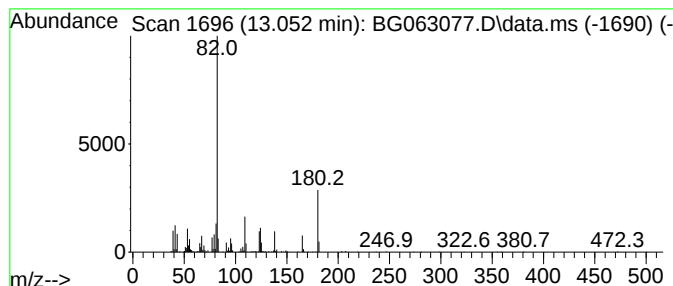
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 unknown-03 Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 13.052 | 7.31 ng/ul | 503167 | Acenaphthene-d10 | 14.486 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Isophorone                         | 138 | C9H14O  | 000078-59-1 | 46   |
| 2    |    |   | N-(2-Cyano-1-methylvinyl)acetamide | 124 | C6H8N2O | 027036-87-9 | 46   |
| 3    |    |   | 1H-Pyrazole, 1-methyl-             | 82  | C4H6N2  | 000930-36-9 | 43   |
| 4    |    |   | 3,6,6-TRIMETHYL-CYCLOHEX-2-ENONE   | 138 | C9H14O  | 023438-77-9 | 43   |
| 5    |    |   | Isophorone                         | 138 | C9H14O  | 000078-59-1 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

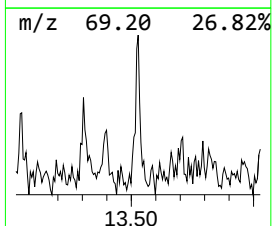
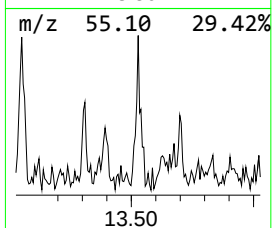
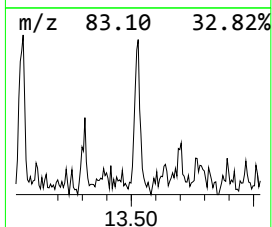
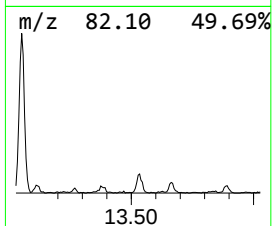
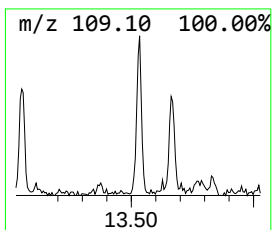
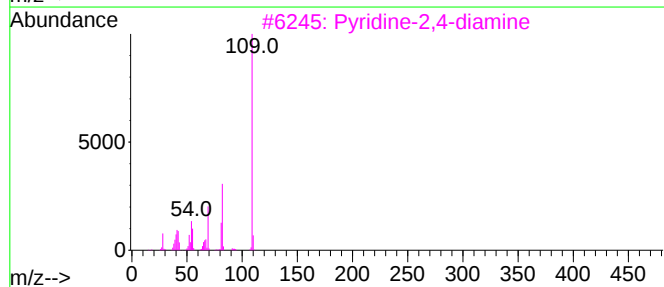
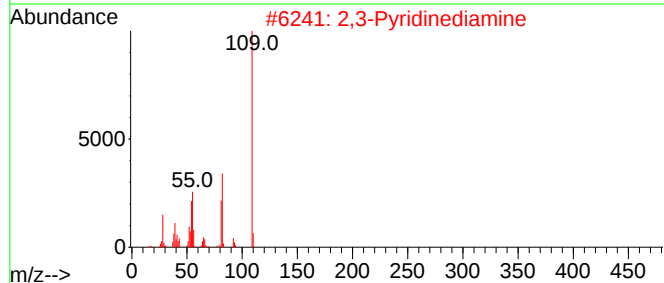
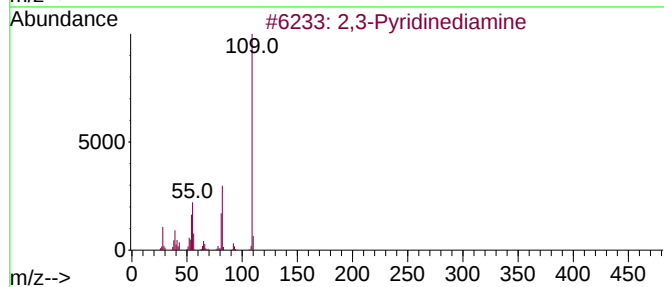
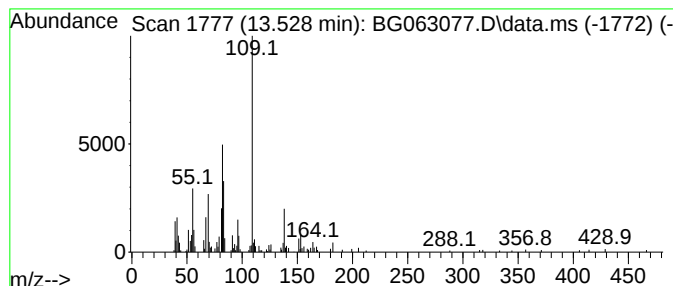
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 2,3-Pyridinediamine Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 13.528 | 2.79 ng/ul | 191840 | Acenaphthene-d10 | 14.486 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | 2,3-Pyridinediamine                 | 109 | C5H7N3     | 000452-58-4  | 50   |
| 2    |      | 2,3-Pyridinediamine                 | 109 | C5H7N3     | 000452-58-4  | 40   |
| 3    |      | Pyridine-2,4-diamine                | 109 | C5H7N3     | 000461-88-1  | 40   |
| 4    |      | (3-Fluorophenyl) methanol, n-pro... | 168 | C10H13FO   | 1000374-62-7 | 38   |
| 5    |      | Diethylmalonic acid, di(2-fluoro... | 376 | C21H22F2O4 | 1000369-29-3 | 37   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

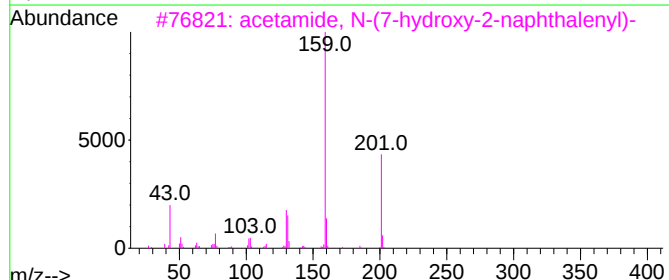
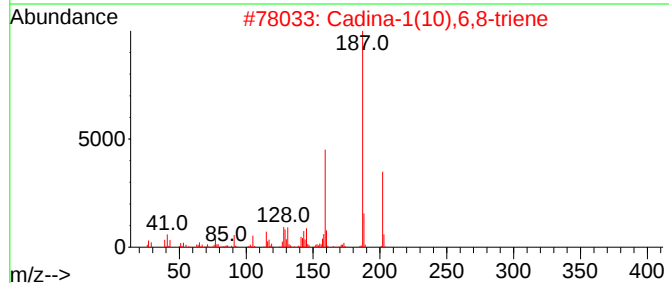
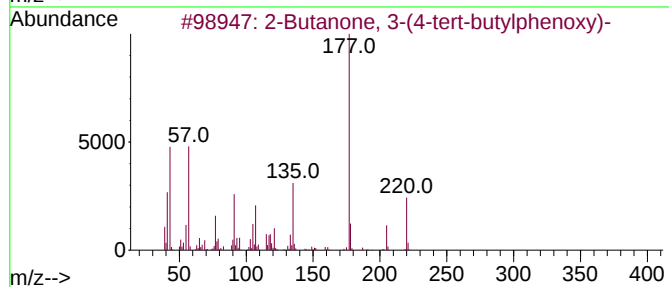
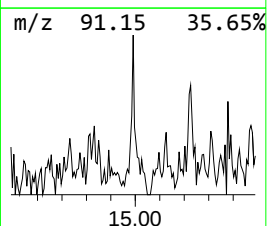
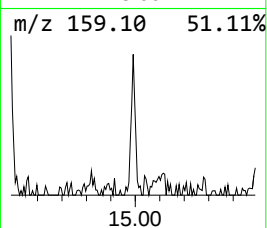
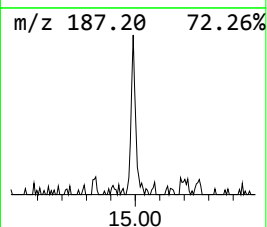
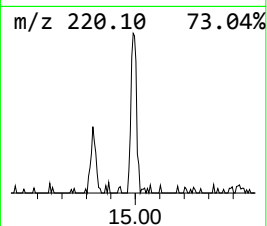
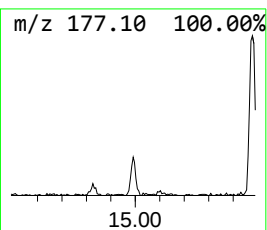
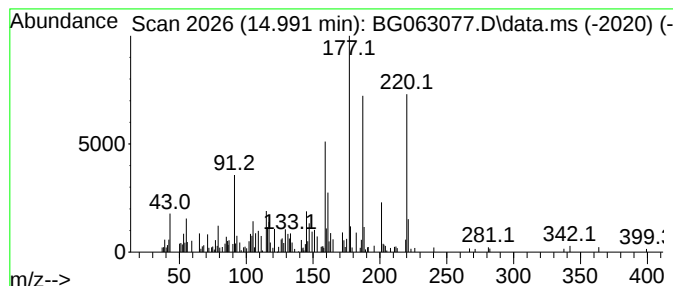
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 unknown-04 Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 14.991 | 2.12 ng/ul | 145637 | Acenaphthene-d10 | 14.486 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Butanone, 3-(4-tert-butylpheno... | 220 | C14H20O2     | 160875-28-5  | 38      |      |      |
| 2    | Cadina-1(10),6,8-triene             | 202 | C15H22       | 001460-96-4  | 35      |      |      |
| 3    | acetamide, N-(7-hydroxy-2-naphth... | 201 | C12H11NO2    | 1000400-41-2 | 25      |      |      |
| 4    | Phenylacetic acid, 2-nitro-.alph... | 223 | C11H13NO4    | 136764-87-9  | 20      |      |      |
| 5    | 2-Amino-4-hydroxy-7-[3-phenylpro... | 281 | C15H15N5O    | 039267-73-7  | 20      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

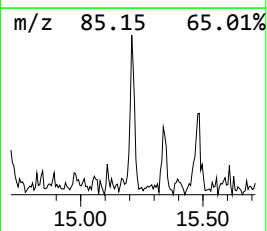
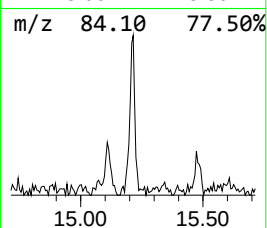
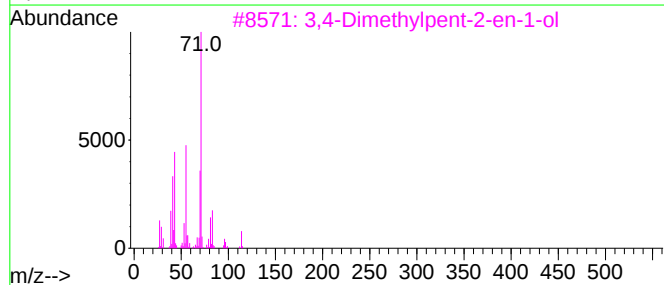
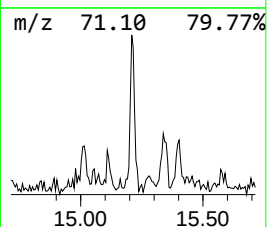
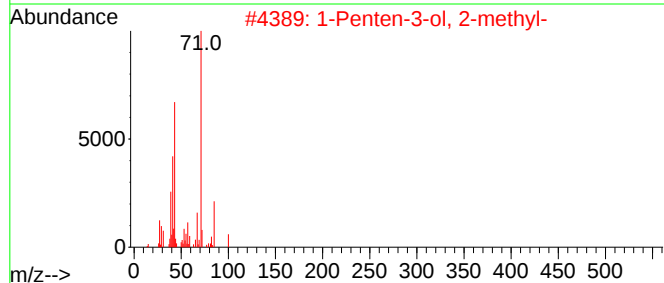
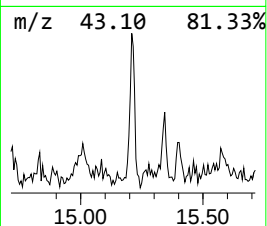
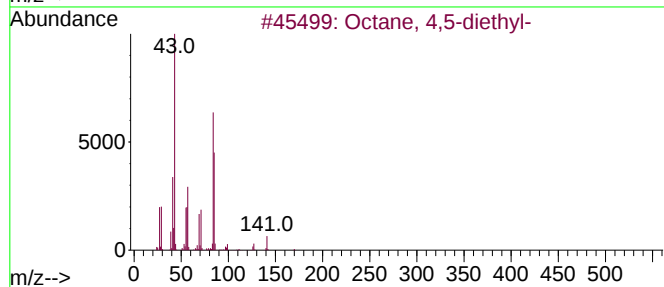
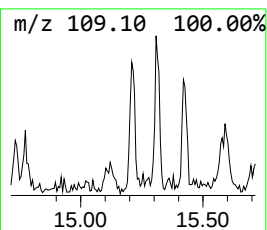
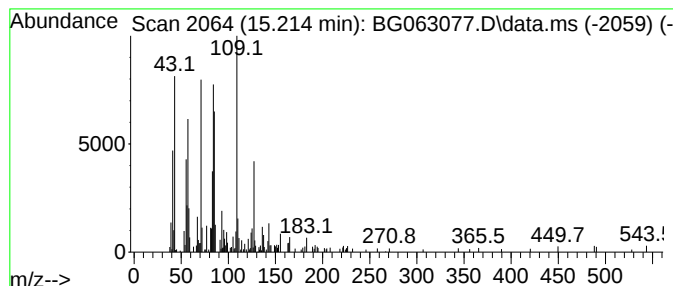
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.214 | 3.25 ng/ul | 223608 | Acenaphthene-d10 | 14.486 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------|-----|---------|--------------|------|
| 1    |    |   | Octane, 4,5-diethyl-          | 170 | C12H26  | 001636-41-5  | 27   |
| 2    |    |   | 1-Penten-3-ol, 2-methyl-      | 100 | C6H12O  | 002088-07-5  | 14   |
| 3    |    |   | 3,4-Dimethylpent-2-en-1-ol    | 114 | C7H14O  | 1000195-06-9 | 11   |
| 4    |    |   | 3-Octen-2-ol, 2-methyl-, (Z)- | 142 | C9H18O  | 018521-07-8  | 11   |
| 5    |    |   | 6,6-Dimethylhepta-2,4-diene   | 124 | C9H16   | 1000195-03-3 | 11   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

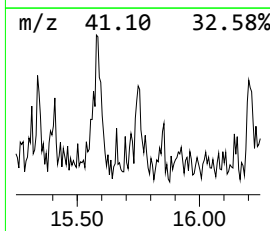
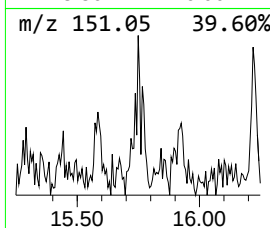
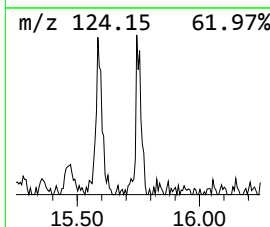
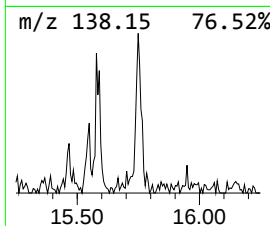
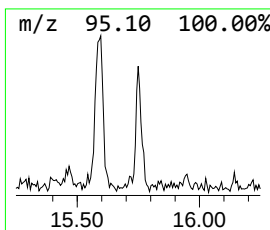
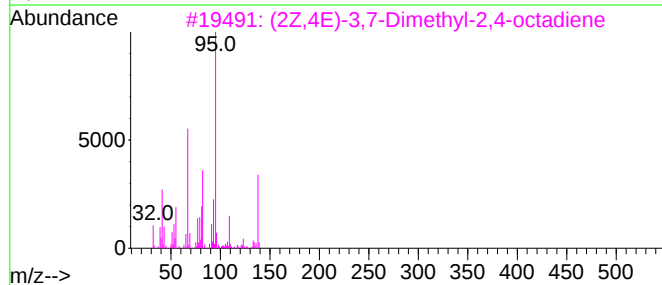
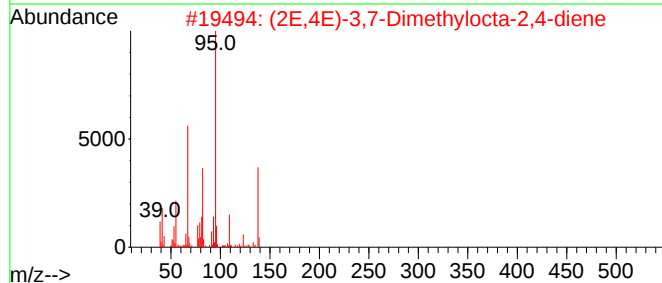
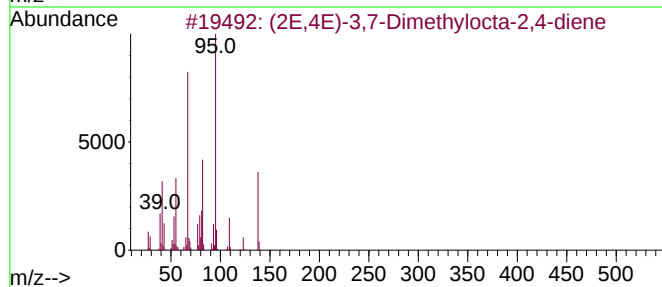
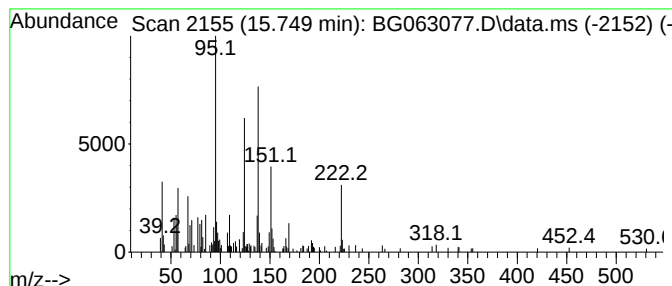
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 (2E,4E)-3,7-Dimethylocta-2,... Concentration Rank 12

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.749 | 2.52 ng/ul | 173067 | Acenaphthene-d10 | 14.486 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | (2E,4E)-3,7-Dimethylocta-2,4-diene  | 138 | C10H18  | 006874-39-1  | 55   |
| 2    |    |   | (2E,4E)-3,7-Dimethylocta-2,4-diene  | 138 | C10H18  | 006874-39-1  | 55   |
| 3    |    |   | (2Z,4E)-3,7-Dimethyl-2,4-octadiene  | 138 | C10H18  | 1000374-08-4 | 49   |
| 4    |    |   | Cyclopenten-4-one, 1,2,3,3-tetra... | 138 | C9H14O  | 1000163-38-6 | 46   |
| 5    |    |   | 5-Ethylcyclopent-1-enecarboxalde... | 124 | C8H12O  | 036431-60-4  | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

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Quant Title : SVOA CALIBRATION

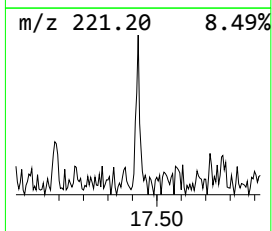
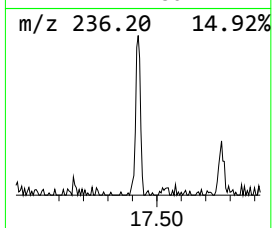
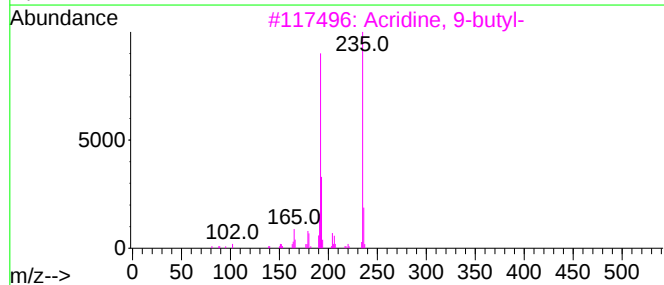
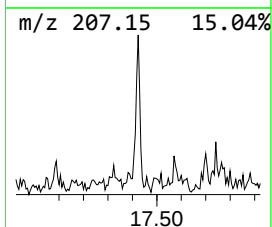
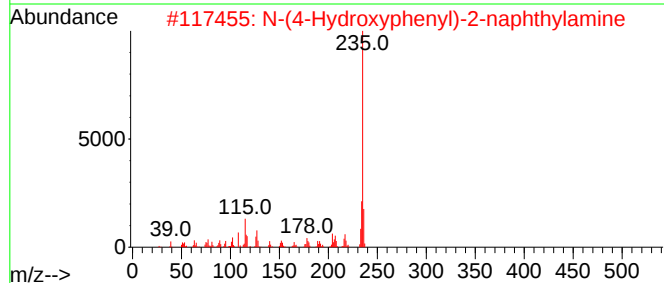
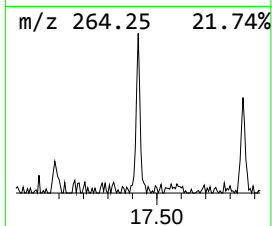
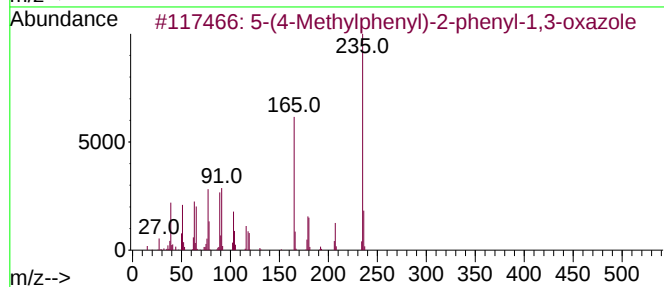
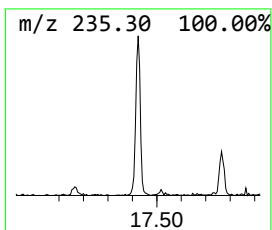
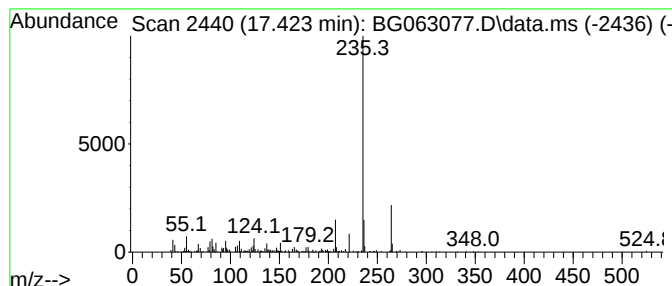
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 5-(4-Methylphenyl)-2-phenyl... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.423 | 2.74 ng/ul | 262278 | Phenanthrene-d10 | 17.235 |

| Hit# | of 5                                | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|--------------|------|------|
| 1    | 5-(4-Methylphenyl)-2-phenyl-1,3-... | 235          | C16H13NO  | 1000487-13-3 | 53   |      |
| 2    | N-(4-Hydroxyphenyl)-2-naphthylamine | 235          | C16H13NO  | 000093-45-8  | 53   |      |
| 3    | Acridine, 9-butyl-                  | 235          | C17H17N   | 015539-30-7  | 50   |      |
| 4    | 3-Amino-6-phenyl-1H-pyrazolo[3,4... | 235          | C13H9N5   | 1000410-58-2 | 50   |      |
| 5    | Carbonic acid, monoamide, N-(2,4... | 235          | C12H13NO4 | 1000340-17-7 | 50   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

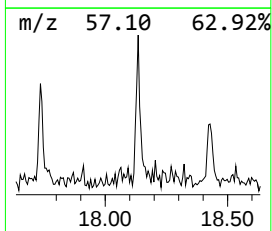
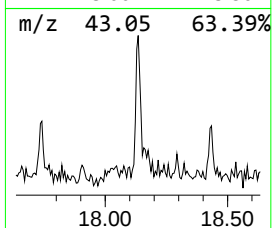
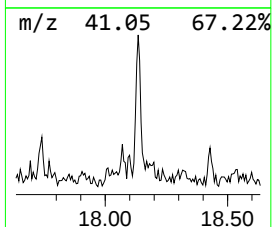
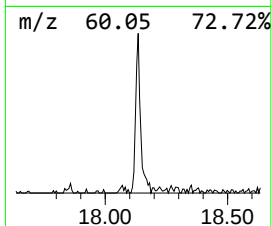
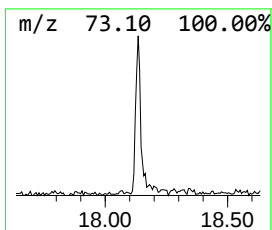
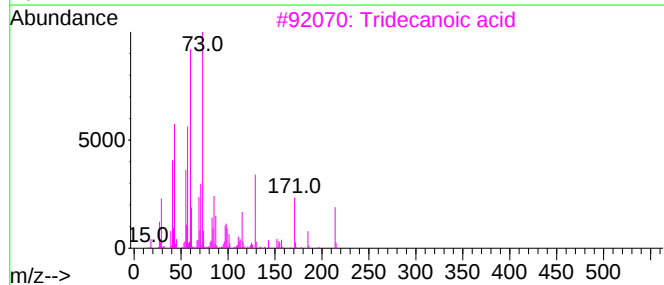
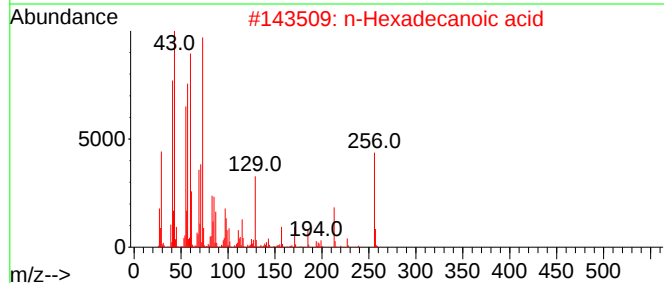
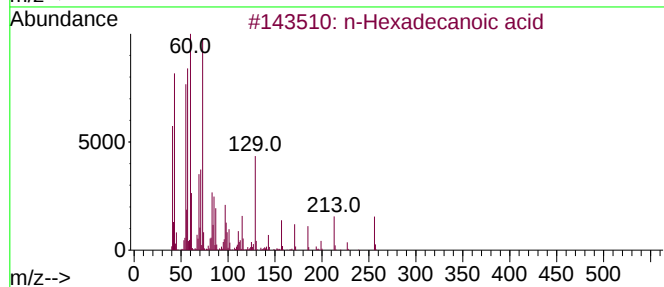
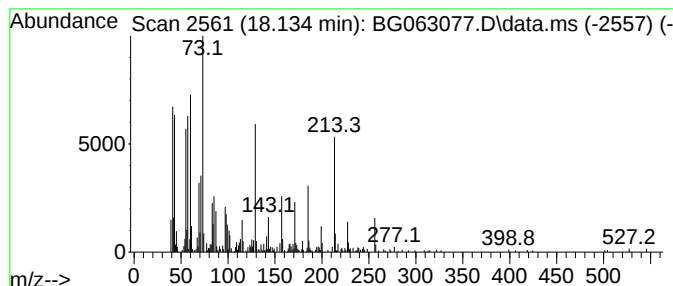
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 15 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.134 | 4.02 ng/ul | 384983 | Phenanthrene-d10 | 17.235 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 78   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 62   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092724\  
Data File : BG063077.D  
Acq On : 27 Sep 2024 17:09  
Operator : RC/JU  
Sample : P3910-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC74

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG092524.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 |
| Carbonic acid, ... | 7.277  | 2.7     | ng/ul | 66661    | 1                     | 7.852  | 492876  | 20.0 |
| Cyclohexanone, ... | 8.275  | 3.1     | ng/ul | 76187    | 1                     | 7.852  | 492876  | 20.0 |
| 2,7-Dimethyloct... | 8.834  | 7.3     | ng/ul | 180623   | 1                     | 7.852  | 492876  | 20.0 |
| (DEL) Alkane: S... | 11.143 | 2.7     | ng/ul | 538959   | 2                     | 10.637 | 3995790 | 20.0 |
| 1-Buten-3-yne,4... | 11.530 | 3.5     | ng/ul | 702043   | 2                     | 10.637 | 3995790 | 20.0 |
| Cyclohexene, 3,... | 11.877 | 2.2     | ng/ul | 435266   | 2                     | 10.637 | 3995790 | 20.0 |
| unknown-01         | 12.053 | 2.2     | ng/ul | 444958   | 2                     | 10.637 | 3995790 | 20.0 |
| unknown-02         | 12.470 | 4.4     | ng/ul | 871529   | 2                     | 10.637 | 3995790 | 20.0 |
| unknown-03         | 13.052 | 7.3     | ng/ul | 503167   | 3                     | 14.486 | 1376110 | 20.0 |
| 2,3-Pyridinedia... | 13.528 | 2.8     | ng/ul | 191840   | 3                     | 14.486 | 1376110 | 20.0 |
| unknown-04         | 14.991 | 2.1     | ng/ul | 145637   | 3                     | 14.486 | 1376110 | 20.0 |
| (DEL) Alkane: S... | 15.214 | 3.3     | ng/ul | 223608   | 3                     | 14.486 | 1376110 | 20.0 |
| (2E,4E)-3,7-Dim... | 15.749 | 2.5     | ng/ul | 173067   | 3                     | 14.486 | 1376110 | 20.0 |
| 5-(4-Methylphen... | 17.423 | 2.7     | ng/ul | 262278   | 4                     | 17.235 | 1914560 | 20.0 |
| n-Hexadecanoic ... | 18.134 | 4.0     | ng/ul | 384983   | 4                     | 17.235 | 1914560 | 20.0 |