

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
 Data File : BM026192.D  
 Acq On : 30 May 2020 03:47  
 Operator : MA/SJ  
 Sample : L2820-13  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB640

## 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\_M\METHODS\SOM-EPA-BM051320MA.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         | 3.063       | 27            | 30          | 33           | rBV      | 45774          | 69133         | 0.80%           | 0.093%        |
| 2         | 3.099       | 33            | 36          | 48           | rVB      | 80033          | 142969        | 1.65%           | 0.193%        |
| 3         | 4.187       | 216           | 221         | 234          | rVB      | 112240         | 190131        | 2.19%           | 0.257%        |
| 4         | 4.428       | 257           | 262         | 267          | rBV      | 38619          | 64161         | 0.74%           | 0.087%        |
| 5         | 4.846       | 326           | 333         | 338          | rBV      | 107029         | 158854        | 1.83%           | 0.215%        |
| 6         | 5.928       | 511           | 517         | 524          | rVB      | 38509          | 61632         | 0.71%           | 0.083%        |
| 7         | 5.993       | 524           | 528         | 533          | rBV      | 42782          | 69883         | 0.80%           | 0.094%        |
| 8         | 6.187       | 556           | 561         | 566          | rVB      | 67587          | 102232        | 1.18%           | 0.138%        |
| 9         | 6.481       | 606           | 611         | 615          | rVV2     | 45759          | 71918         | 0.83%           | 0.097%        |
| 10        | 6.675       | 639           | 644         | 655          | rVB2     | 201164         | 366771        | 4.22%           | 0.496%        |
| 11        | 6.828       | 660           | 670         | 677          | rBV      | 529804         | 814824        | 9.38%           | 1.102%        |
| 12        | 7.016       | 696           | 702         | 712          | rVV      | 610697         | 966066        | 11.12%          | 1.306%        |
| 13        | 7.363       | 755           | 761         | 769          | rVV      | 21675          | 59677         | 0.69%           | 0.081%        |
| 14        | 7.475       | 769           | 780         | 789          | rVV      | 673022         | 1159372       | 13.34%          | 1.567%        |
| 15        | 7.551       | 789           | 793         | 797          | rVV2     | 54780          | 92160         | 1.06%           | 0.125%        |
| 16        | 7.616       | 799           | 804         | 815          | rVB      | 312826         | 482586        | 5.55%           | 0.652%        |
| 17        | 7.845       | 836           | 843         | 849          | rVB      | 116619         | 189771        | 2.18%           | 0.257%        |
| 18        | 8.192       | 897           | 902         | 907          | rVV      | 483981         | 810642        | 9.33%           | 1.096%        |
| 19        | 8.257       | 907           | 913         | 927          | rVV      | 5655181        | 8689613       | 100.00%         | 11.748%       |
| 20        | 8.457       | 941           | 947         | 953          | rVV      | 263484         | 409117        | 4.71%           | 0.553%        |
| 21        | 8.575       | 961           | 967         | 970          | rBV      | 72552          | 119170        | 1.37%           | 0.161%        |
| 22        | 8.622       | 970           | 975         | 985          | rVV      | 665343         | 1108740       | 12.76%          | 1.499%        |
| 23        | 8.710       | 985           | 990         | 997          | rVB      | 152703         | 234725        | 2.70%           | 0.317%        |
| 24        | 8.975       | 1028          | 1035        | 1042         | rBV5     | 56766          | 109640        | 1.26%           | 0.148%        |
| 25        | 9.098       | 1049          | 1056        | 1062         | rBV3     | 80090          | 142090        | 1.64%           | 0.192%        |
| 26        | 9.334       | 1090          | 1096        | 1109         | rBV      | 551931         | 927621        | 10.68%          | 1.254%        |
| 27        | 9.622       | 1138          | 1145        | 1147         | rVV2     | 109990         | 190000        | 2.19%           | 0.257%        |
| 28        | 9.657       | 1147          | 1151        | 1160         | rVB2     | 337247         | 576580        | 6.64%           | 0.779%        |
| 29        | 9.792       | 1161          | 1174        | 1180         | rVB3     | 124107         | 308397        | 3.55%           | 0.417%        |
| 30        | 9.869       | 1180          | 1187        | 1198         | rBV      | 884426         | 1518793       | 17.48%          | 2.053%        |
| 31        | 10.022      | 1208          | 1213        | 1222         | rBV6     | 32739          | 88191         | 1.01%           | 0.119%        |
| 32        | 10.116      | 1222          | 1229        | 1236         | rVV      | 177342         | 307922        | 3.54%           | 0.416%        |
| 33        | 10.233      | 1240          | 1249        | 1254         | rVV      | 902038         | 1508848       | 17.36%          | 2.040%        |
| 34        | 10.286      | 1254          | 1258        | 1266         | rVB      | 210586         | 395556        | 4.55%           | 0.535%        |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 10.380 | 1266 | 1274 | 1286 | rBV  | 762991  | 1357915 | 15.63% | 1.836% |
| 36 | 10.598 | 1307 | 1311 | 1317 | rVB5 | 33828   | 56641   | 0.65%  | 0.077% |
| 37 | 10.816 | 1339 | 1348 | 1356 | rBV4 | 47462   | 127674  | 1.47%  | 0.173% |
| 38 | 11.080 | 1382 | 1393 | 1405 | rBV5 | 73365   | 209835  | 2.41%  | 0.284% |
| 39 | 11.445 | 1450 | 1455 | 1465 | rBV8 | 28358   | 71253   | 0.82%  | 0.096% |
| 40 | 11.604 | 1473 | 1482 | 1488 | rBV  | 212857  | 371324  | 4.27%  | 0.502% |
| 41 | 11.751 | 1501 | 1507 | 1512 | rBV4 | 96430   | 171042  | 1.97%  | 0.231% |
| 42 | 11.822 | 1512 | 1519 | 1523 | rBV7 | 27263   | 71519   | 0.82%  | 0.097% |
| 43 | 11.904 | 1528 | 1533 | 1539 | rVV  | 236354  | 423702  | 4.88%  | 0.573% |
| 44 | 11.969 | 1539 | 1544 | 1552 | rVV4 | 59762   | 141377  | 1.63%  | 0.191% |
| 45 | 12.092 | 1561 | 1565 | 1567 | rVV2 | 93471   | 134381  | 1.55%  | 0.182% |
| 46 | 12.127 | 1567 | 1571 | 1578 | rVB  | 204284  | 348461  | 4.01%  | 0.471% |
| 47 | 12.463 | 1625 | 1628 | 1634 | rVB7 | 32105   | 61979   | 0.71%  | 0.084% |
| 48 | 12.969 | 1703 | 1714 | 1722 | rVB  | 560398  | 1010692 | 11.63% | 1.366% |
| 49 | 13.169 | 1741 | 1748 | 1755 | rVB7 | 79352   | 167622  | 1.93%  | 0.227% |
| 50 | 13.274 | 1760 | 1766 | 1769 | rBV6 | 71285   | 144651  | 1.66%  | 0.196% |
| 51 | 13.363 | 1778 | 1781 | 1788 | rVB7 | 36871   | 65741   | 0.76%  | 0.089% |
| 52 | 13.439 | 1789 | 1794 | 1799 | rBV  | 83887   | 157791  | 1.82%  | 0.213% |
| 53 | 13.492 | 1799 | 1803 | 1807 | rVV3 | 70250   | 103133  | 1.19%  | 0.139% |
| 54 | 13.545 | 1807 | 1812 | 1816 | rVV  | 1600811 | 2071642 | 23.84% | 2.801% |
| 55 | 13.592 | 1816 | 1820 | 1824 | rVB  | 234012  | 292300  | 3.36%  | 0.395% |
| 56 | 13.680 | 1831 | 1835 | 1837 | rBV3 | 47969   | 67990   | 0.78%  | 0.092% |
| 57 | 13.810 | 1850 | 1857 | 1866 | rBV  | 1587838 | 2476998 | 28.51% | 3.349% |
| 58 | 13.951 | 1875 | 1881 | 1889 | rBV2 | 490079  | 860011  | 9.90%  | 1.163% |
| 59 | 14.051 | 1893 | 1898 | 1903 | rVV2 | 153226  | 238734  | 2.75%  | 0.323% |
| 60 | 14.121 | 1903 | 1910 | 1915 | rVV2 | 2020647 | 3087522 | 35.53% | 4.174% |
| 61 | 14.186 | 1915 | 1921 | 1927 | rVV  | 1200333 | 1813794 | 20.87% | 2.452% |
| 62 | 14.251 | 1927 | 1932 | 1939 | rVB  | 362895  | 506026  | 5.82%  | 0.684% |
| 63 | 14.363 | 1947 | 1951 | 1956 | rBV  | 138776  | 185512  | 2.13%  | 0.251% |
| 64 | 14.521 | 1973 | 1978 | 1988 | rVB  | 460433  | 675687  | 7.78%  | 0.913% |
| 65 | 14.680 | 2001 | 2005 | 2010 | rVB  | 167921  | 210327  | 2.42%  | 0.284% |
| 66 | 14.886 | 2032 | 2040 | 2050 | rBV2 | 1195485 | 2293640 | 26.40% | 3.101% |
| 67 | 15.121 | 2074 | 2080 | 2085 | rBV  | 2133354 | 2933836 | 33.76% | 3.966% |
| 68 | 15.174 | 2085 | 2089 | 2094 | rVB  | 832172  | 1150423 | 13.24% | 1.555% |
| 69 | 15.251 | 2098 | 2102 | 2107 | rBV  | 569331  | 805511  | 9.27%  | 1.089% |
| 70 | 15.298 | 2108 | 2110 | 2114 | rVB3 | 42354   | 54634   | 0.63%  | 0.074% |
| 71 | 15.386 | 2121 | 2125 | 2130 | rBV2 | 445528  | 566686  | 6.52%  | 0.766% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 15.474 | 2136 | 2140 | 2147 | rBV2 | 76454   | 137866  | 1.59%  | 0.186% |
| 73  | 15.651 | 2162 | 2170 | 2178 | rVB  | 1310759 | 1821448 | 20.96% | 2.462% |
| 74  | 15.821 | 2194 | 2199 | 2211 | rBV  | 530727  | 919380  | 10.58% | 1.243% |
| 75  | 15.980 | 2222 | 2226 | 2230 | rBV  | 74783   | 111262  | 1.28%  | 0.150% |
| 76  | 16.162 | 2252 | 2257 | 2264 | rVV  | 734883  | 1005683 | 11.57% | 1.360% |
| 77  | 16.227 | 2264 | 2268 | 2271 | rBV2 | 95502   | 120693  | 1.39%  | 0.163% |
| 78  | 16.439 | 2301 | 2304 | 2311 | rVB  | 113565  | 168847  | 1.94%  | 0.228% |
| 79  | 16.692 | 2343 | 2347 | 2353 | rVB3 | 178678  | 256843  | 2.96%  | 0.347% |
| 80  | 16.868 | 2372 | 2377 | 2381 | rVV  | 1545750 | 2074000 | 23.87% | 2.804% |
| 81  | 16.909 | 2381 | 2384 | 2389 | rVB  | 1221434 | 1612498 | 18.56% | 2.180% |
| 82  | 16.968 | 2389 | 2394 | 2399 | rBV  | 2413392 | 3236027 | 37.24% | 4.375% |
| 83  | 17.068 | 2408 | 2411 | 2417 | rVB2 | 128699  | 180282  | 2.07%  | 0.244% |
| 84  | 17.280 | 2442 | 2447 | 2452 | rVB  | 531690  | 704993  | 8.11%  | 0.953% |
| 85  | 17.386 | 2461 | 2465 | 2469 | rBV4 | 50475   | 77425   | 0.89%  | 0.105% |
| 86  | 17.433 | 2470 | 2473 | 2478 | rBV2 | 46830   | 80363   | 0.92%  | 0.109% |
| 87  | 17.715 | 2518 | 2521 | 2524 | rBV  | 55702   | 65281   | 0.75%  | 0.088% |
| 88  | 17.798 | 2531 | 2535 | 2543 | rBV3 | 87834   | 140948  | 1.62%  | 0.191% |
| 89  | 17.874 | 2545 | 2548 | 2552 | rVB2 | 71349   | 92074   | 1.06%  | 0.124% |
| 90  | 17.939 | 2553 | 2559 | 2564 | rBV2 | 164119  | 268044  | 3.08%  | 0.362% |
| 91  | 18.562 | 2662 | 2665 | 2672 | rVB4 | 90786   | 138774  | 1.60%  | 0.188% |
| 92  | 18.933 | 2725 | 2728 | 2733 | rVB  | 318605  | 392756  | 4.52%  | 0.531% |
| 93  | 19.027 | 2741 | 2744 | 2748 | rVB  | 154464  | 171184  | 1.97%  | 0.231% |
| 94  | 19.268 | 2780 | 2785 | 2793 | rBV  | 2616956 | 3796355 | 43.69% | 5.132% |
| 95  | 19.339 | 2793 | 2797 | 2807 | rVB  | 426649  | 630482  | 7.26%  | 0.852% |
| 96  | 19.756 | 2866 | 2868 | 2874 | rVB  | 99713   | 116699  | 1.34%  | 0.158% |
| 97  | 20.815 | 3044 | 3048 | 3054 | rBV  | 597324  | 711784  | 8.19%  | 0.962% |
| 98  | 21.068 | 3087 | 3091 | 3099 | rVB  | 1918509 | 2320768 | 26.71% | 3.137% |
| 99  | 23.050 | 3423 | 3428 | 3435 | rVB  | 1405974 | 2293986 | 26.40% | 3.101% |
| 100 | 23.186 | 3445 | 3451 | 3459 | rVB  | 1358880 | 2326689 | 26.78% | 3.145% |

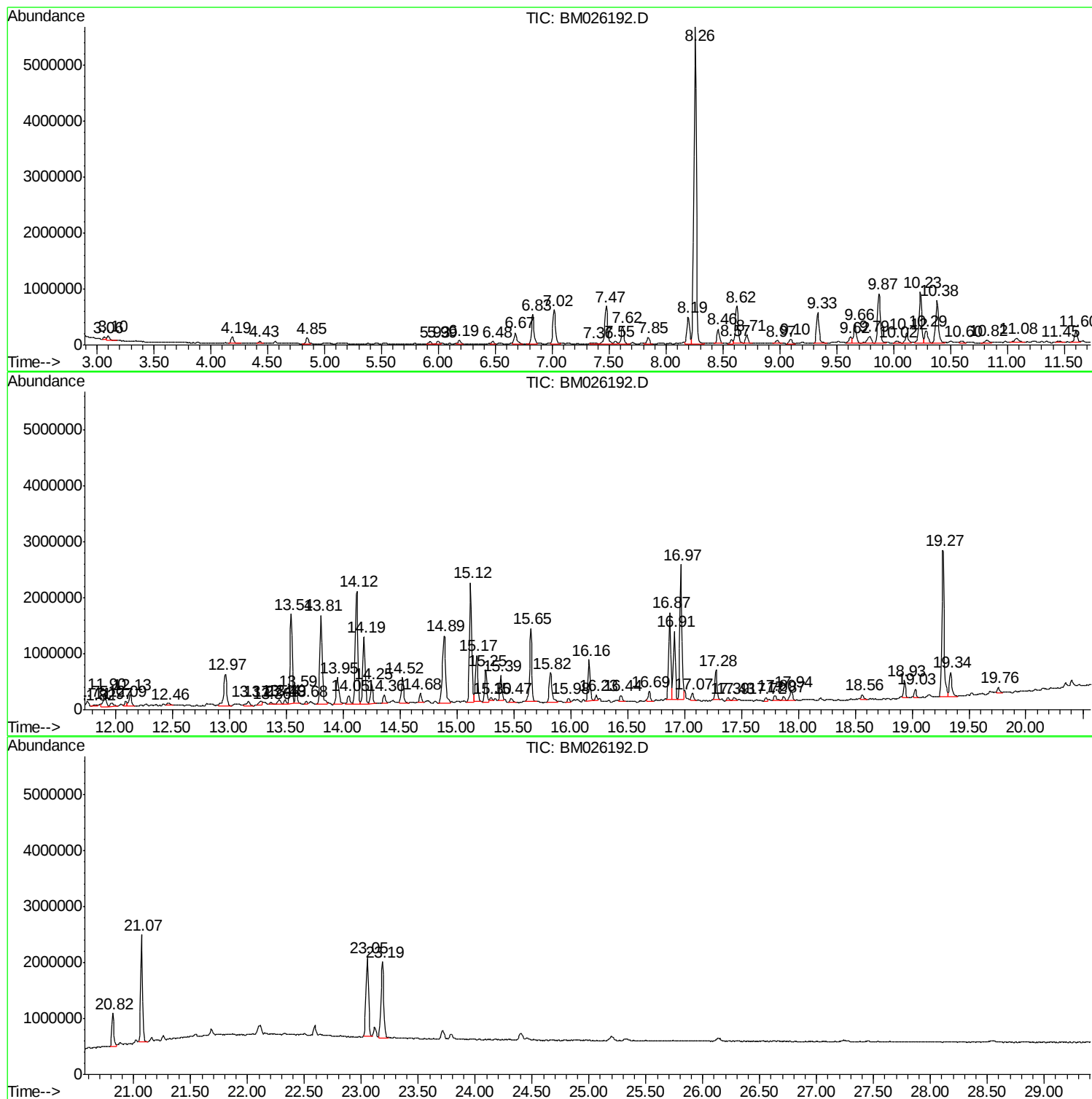
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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



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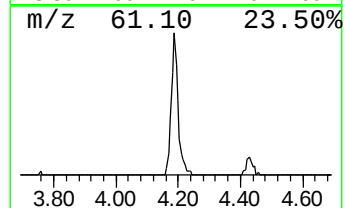
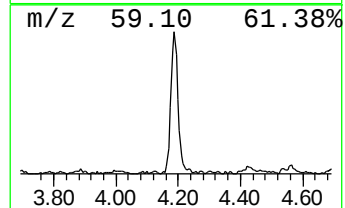
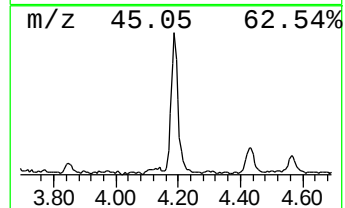
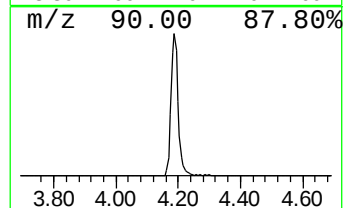
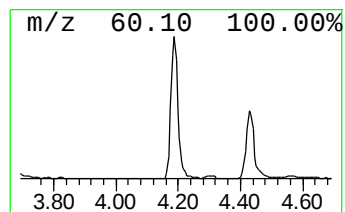
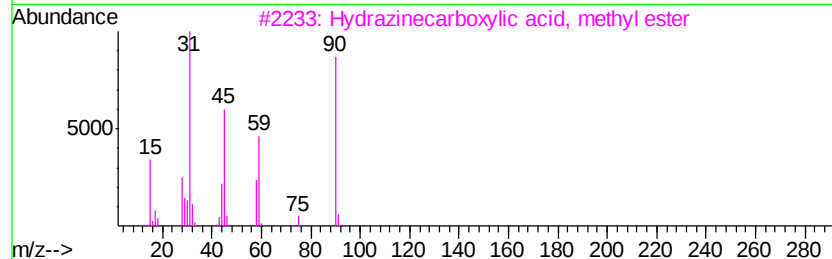
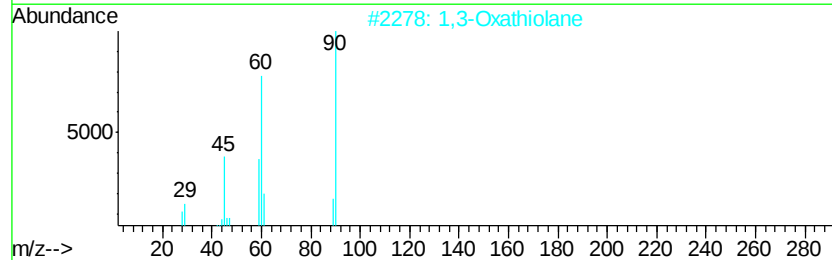
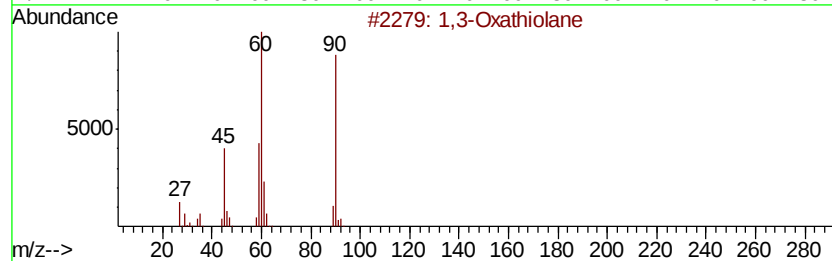
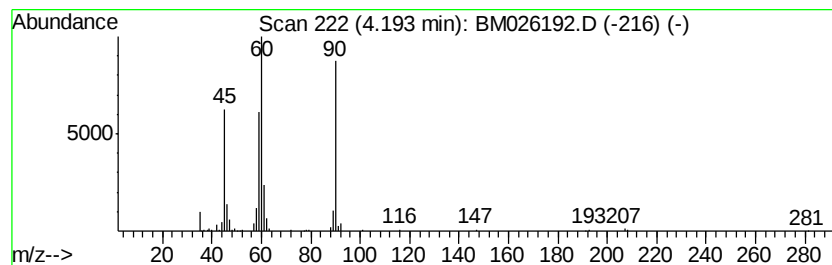
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 1,3-Oxathiolane Concentration Rank 17

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.19 | 3.28 ng/ul | 190131 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,3-Oxathiolane                       | 90  | C3H6OS   | 002094-97-5 | 90   |
| 2    |    |   | 1,3-Oxathiolane                       | 90  | C3H6OS   | 002094-97-5 | 74   |
| 3    |    |   | Hvdrazinecarboxylic acid, methyl...   | 90  | C2H6N2O2 | 006294-89-9 | 38   |
| 4    |    |   | Hvdrazinecarboxylic acid, methyl...   | 90  | C2H6N2O2 | 006294-89-9 | 38   |
| 5    |    |   | Heptanoic acid, 2-hydroxy-, methyl... | 160 | C8H16O3  | 054340-91-9 | 36   |



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Quant Title : SVOA CALIBRATION

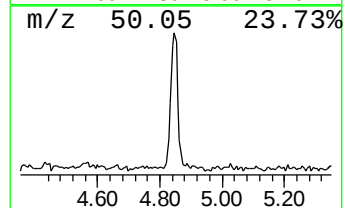
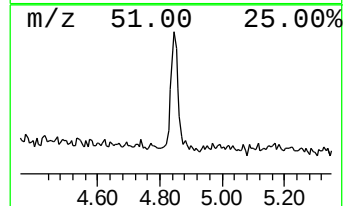
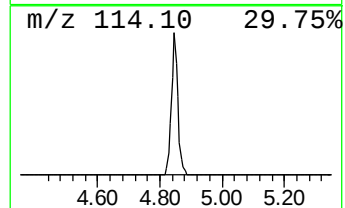
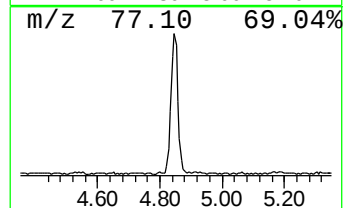
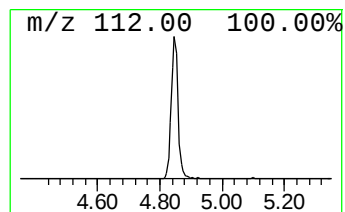
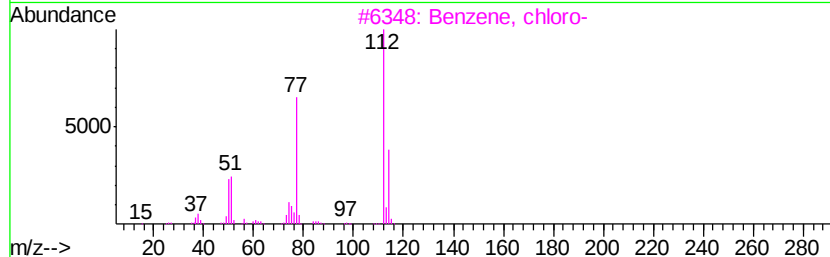
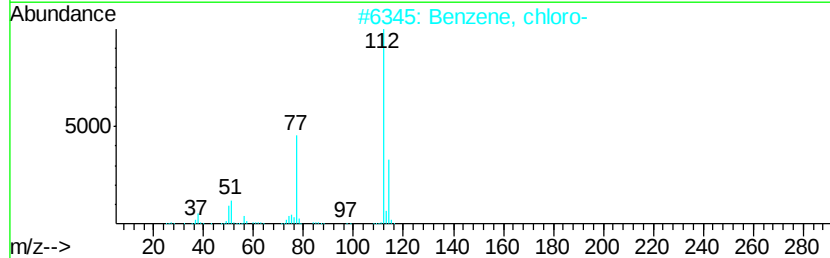
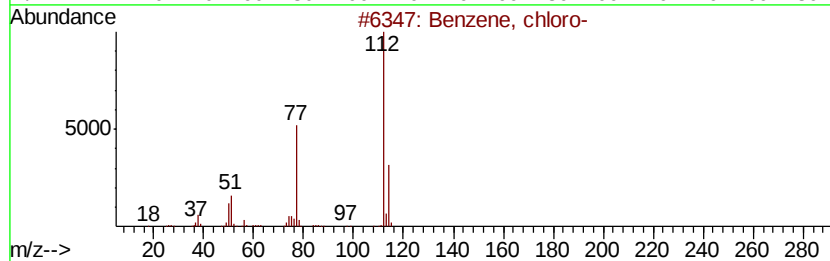
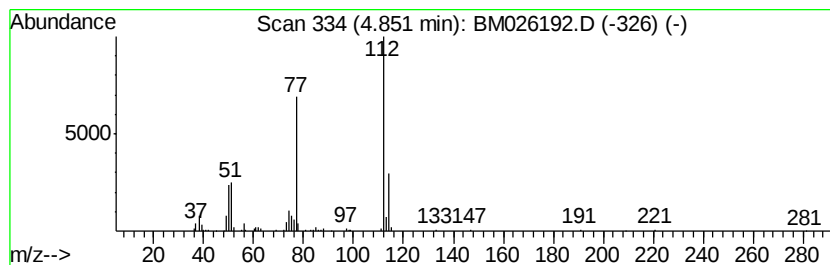
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, chloro- Concentration Rank 21

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.85 | 2.74 ng/ul | 158854 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of | Tentative ID             | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzene, chloro-         | 112 | C6H5Cl     | 000108-90-7 | 95   |
| 2    |    | Benzene, chloro-         | 112 | C6H5Cl     | 000108-90-7 | 95   |
| 3    |    | Benzene, chloro-         | 112 | C6H5Cl     | 000108-90-7 | 94   |
| 4    |    | Benzene, chloro-         | 112 | C6H5Cl     | 000108-90-7 | 87   |
| 5    |    | 2-Chloro-3-nitropyridine | 158 | C5H3ClN2O2 | 005470-18-8 | 28   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

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Quant Title : SVOA CALIBRATION

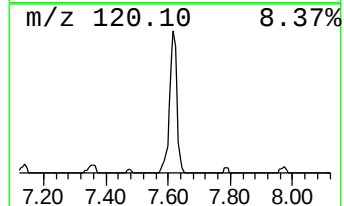
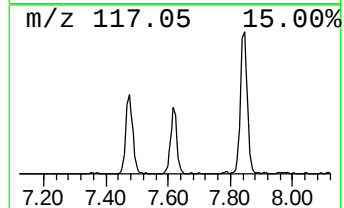
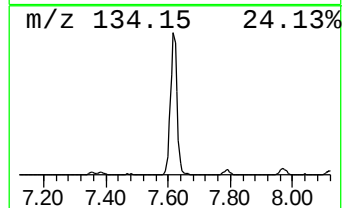
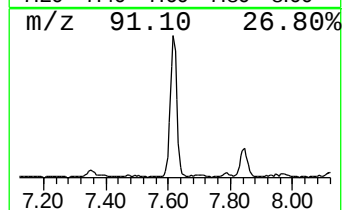
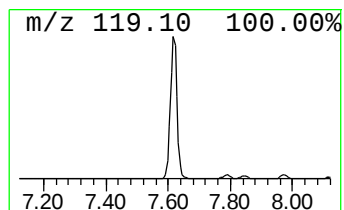
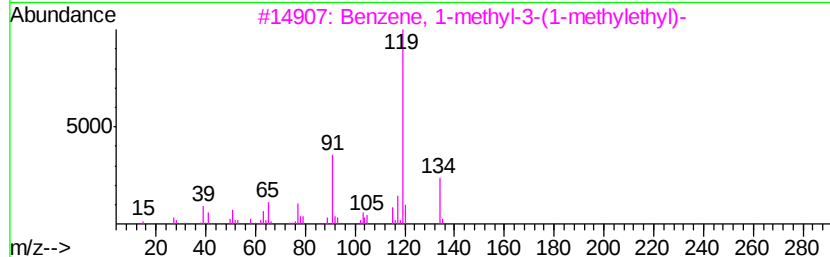
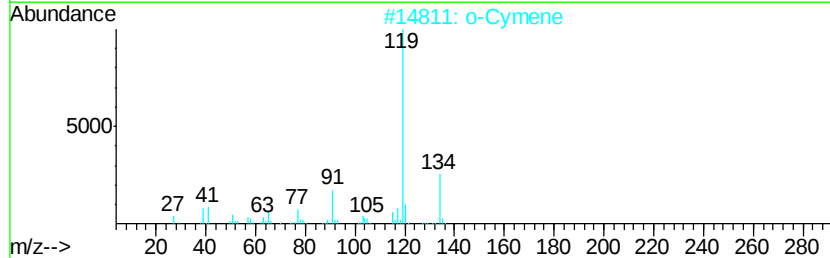
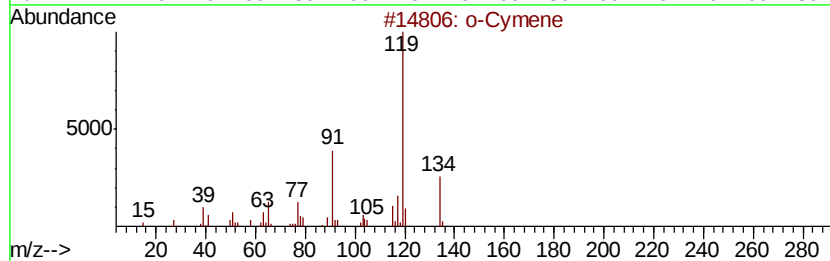
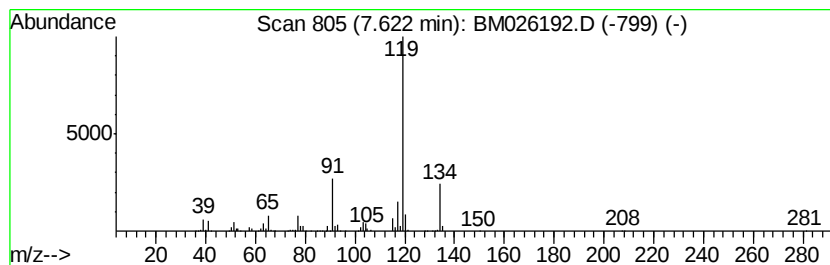
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 o-Cymene Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.62 | 8.32 ng/ul | 482586 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                               | 134 | C10H14  | 000527-84-4 | 96   |
| 2    |    | o-Cymene                               | 134 | C10H14  | 000527-84-4 | 94   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl-... | 134 | C10H14  | 000535-77-3 | 94   |
| 4    |    | o-Cymene                               | 134 | C10H14  | 000527-84-4 | 94   |
| 5    |    | o-Cymene                               | 134 | C10H14  | 000527-84-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

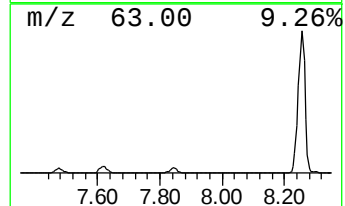
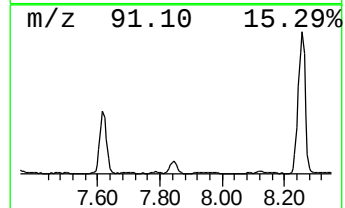
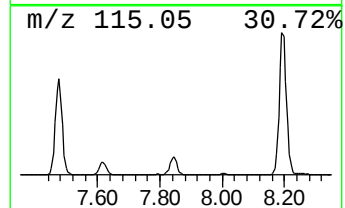
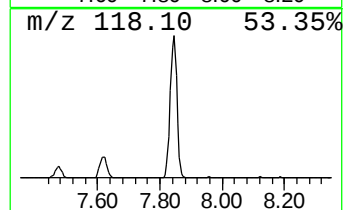
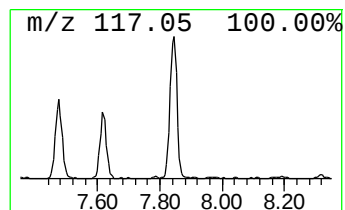
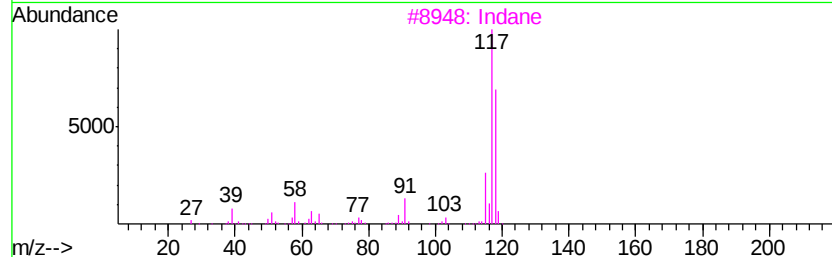
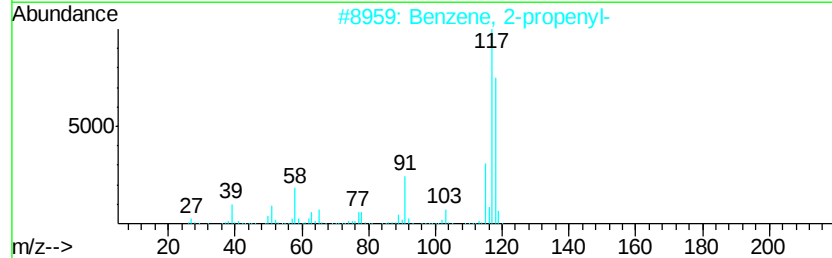
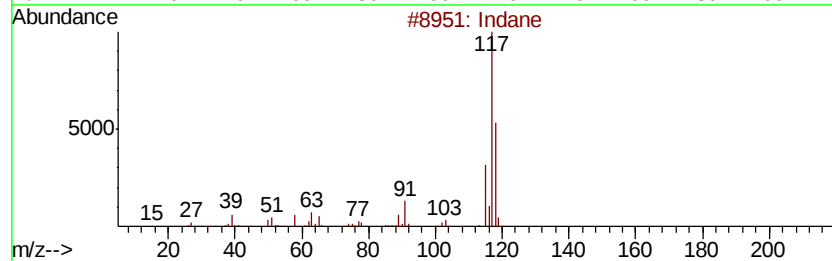
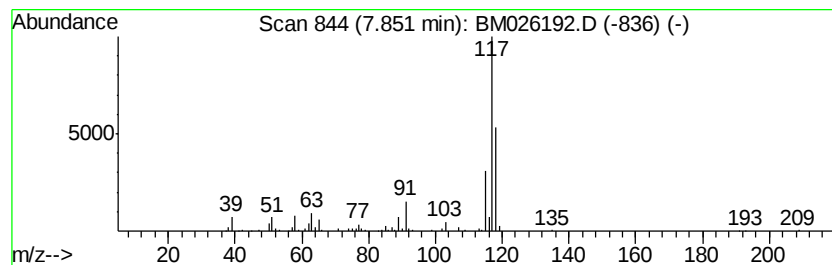
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Indane Concentration Rank 19

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.85 | 3.27 ng/ul | 189771 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | Indane                              |   |              | 118 | C9H10    | 000496-11-7  | 81   |
| 2    | Benzene, 2-propenyl-                |   |              | 118 | C9H10    | 000300-57-2  | 64   |
| 3    | Indane                              |   |              | 118 | C9H10    | 000496-11-7  | 64   |
| 4    | Indane                              |   |              | 118 | C9H10    | 000496-11-7  | 60   |
| 5    | 1H-Indene-5-carboxylic acid, 2,3... |   |              | 162 | C10H10O2 | 1000337-61-3 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

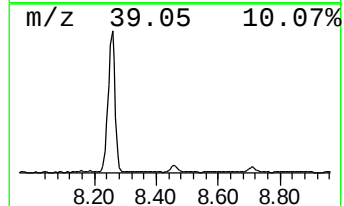
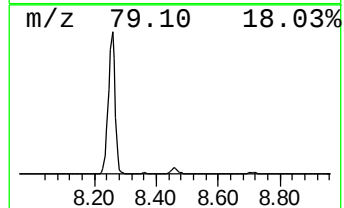
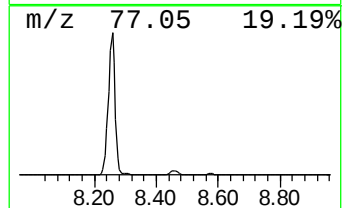
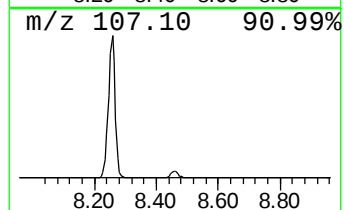
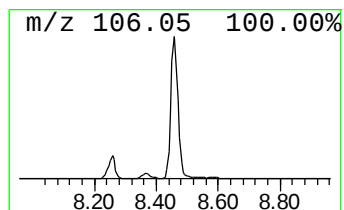
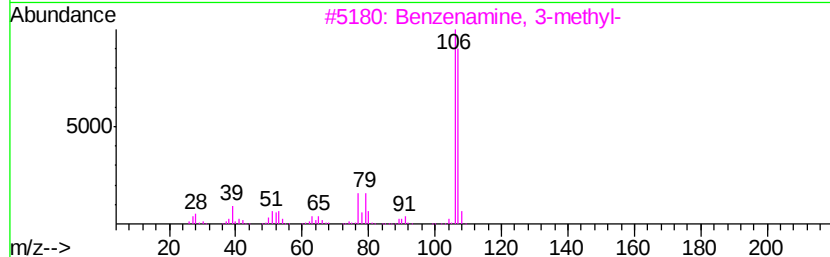
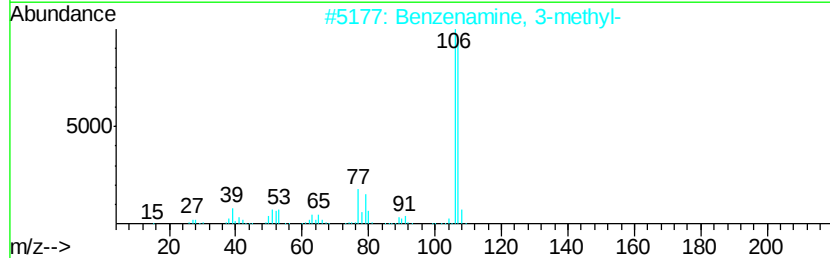
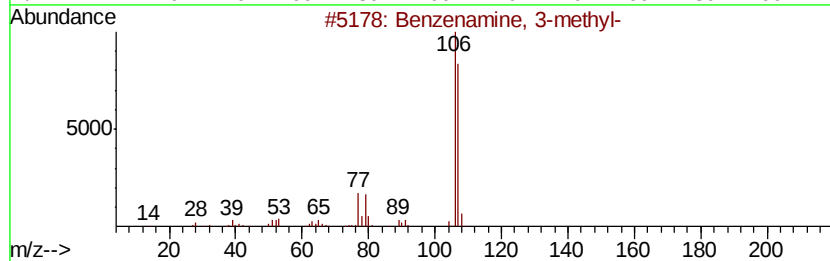
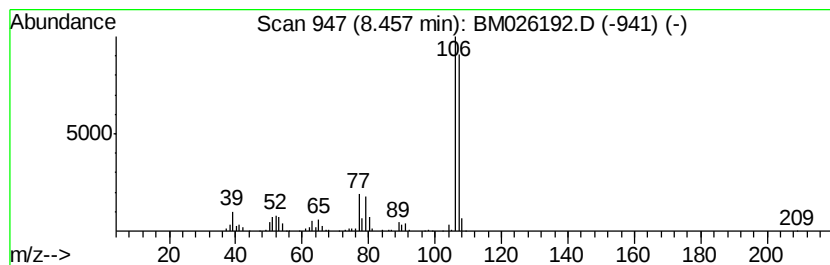
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Benzenamine, 3-methyl- Concentration Rank 7

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.46 | 7.06 ng/ul | 409117 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzenamine, 3-methyl- | 107 | C7H9N   | 000108-44-1 | 97   |
| 2    |    | Benzenamine, 3-methyl- | 107 | C7H9N   | 000108-44-1 | 97   |
| 3    |    | Benzenamine, 3-methyl- | 107 | C7H9N   | 000108-44-1 | 97   |
| 4    |    | Benzenamine, 3-methyl- | 107 | C7H9N   | 000108-44-1 | 96   |
| 5    |    | o-Toluidine            | 107 | C7H9N   | 000095-53-4 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

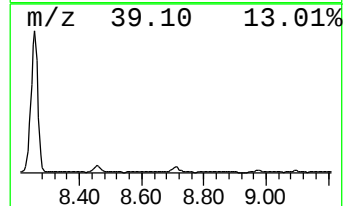
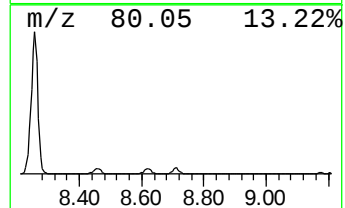
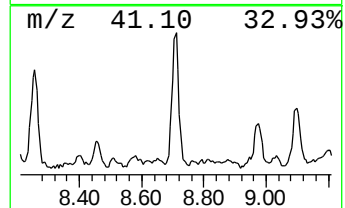
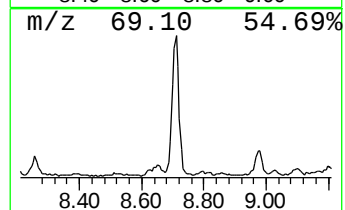
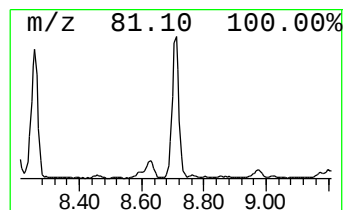
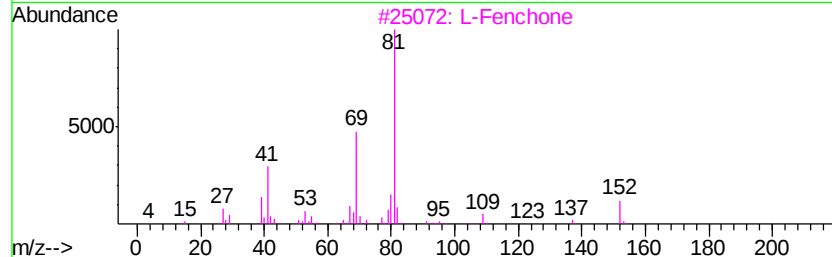
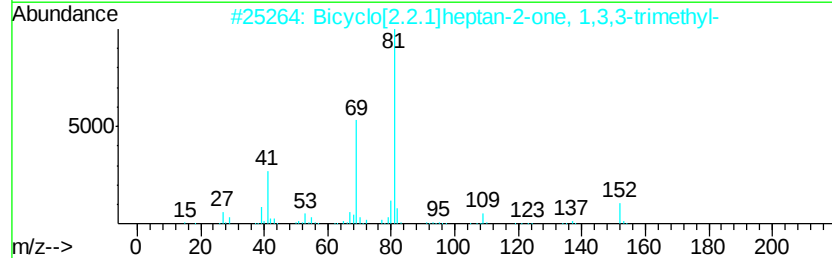
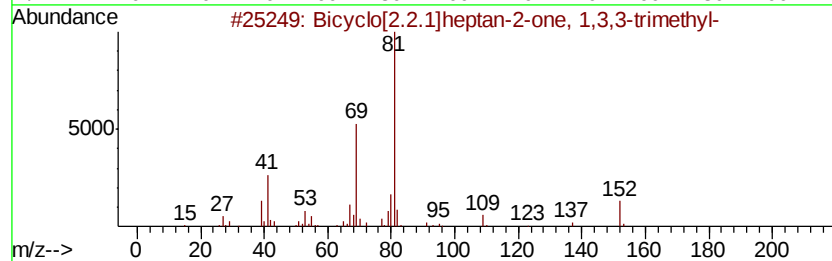
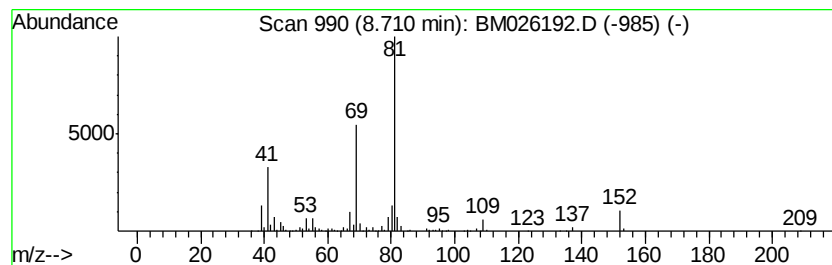
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 15

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.71 | 4.05 ng/ul | 234725 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 95   |
| 2    |    | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 94   |
| 3    |    | L-Fenchone                          | 152 | C10H16O | 007787-20-4 | 91   |
| 4    |    | D-Fenchone                          | 152 | C10H16O | 004695-62-9 | 90   |
| 5    |    | L-Fenchone                          | 152 | C10H16O | 007787-20-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

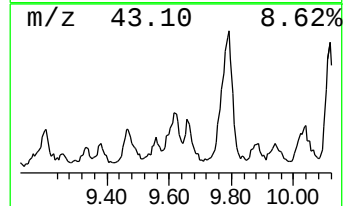
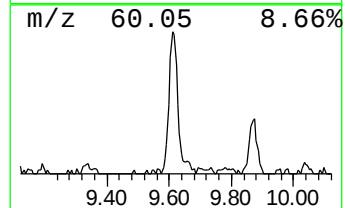
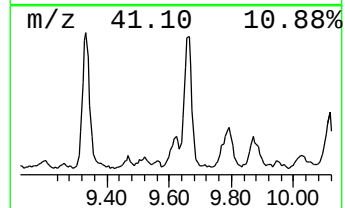
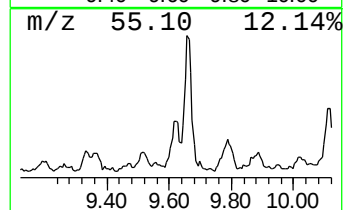
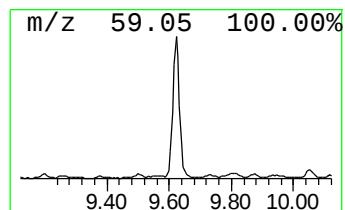
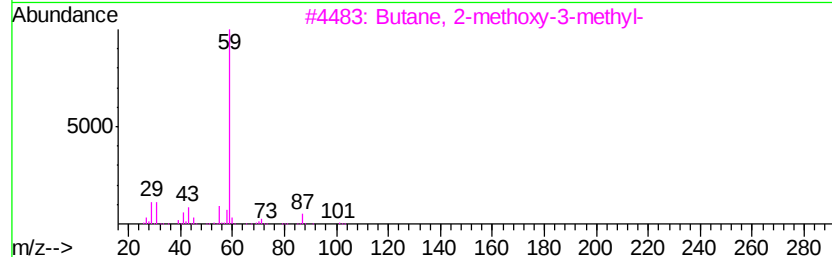
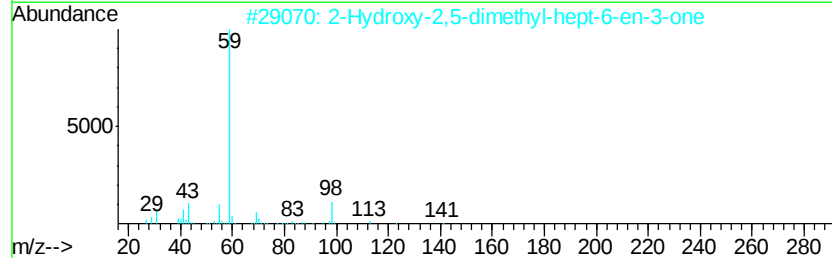
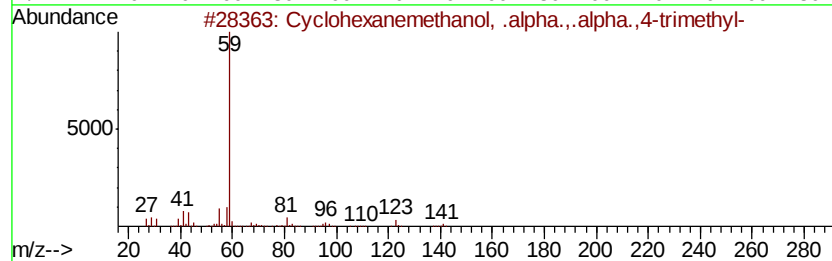
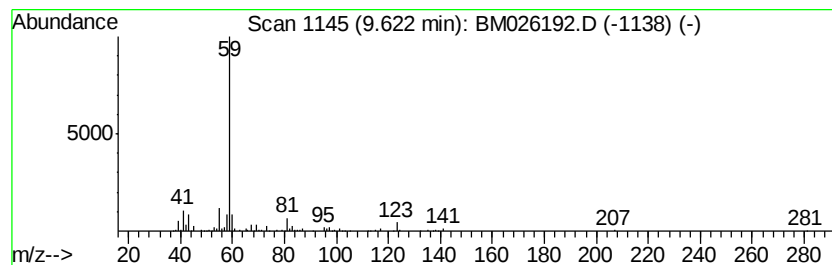
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Cyclohexanemethanol, .alpha... Concentration Rank 23

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.62 | 2.52 ng/ul | 190000 | Naphthalene-d8   | 10.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O    | 000498-81-7  | 72   |
| 2    |    | 2-Hydroxy-2,5-dimethyl-hept-6-en... | 156 | C9H16O2    | 1000192-55-8 | 64   |
| 3    |    | Butane, 2-methoxy-3-methyl-         | 102 | C6H14O     | 062016-49-3  | 59   |
| 4    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O    | 005114-00-1  | 56   |
| 5    |    | Undecanamide, 11-bromo-             | 263 | C11H22BrNO | 005875-26-3  | 39   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

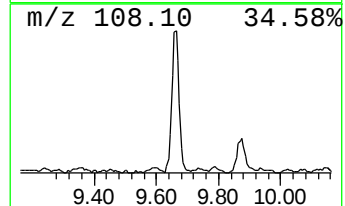
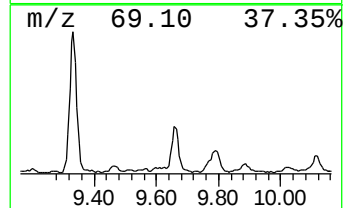
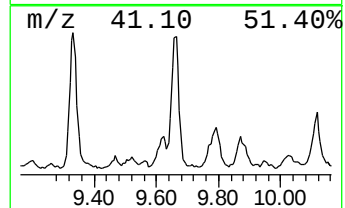
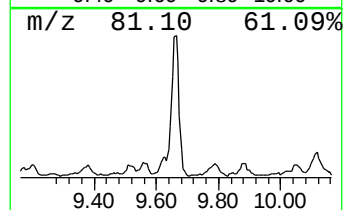
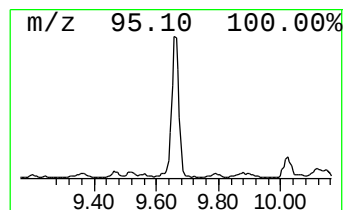
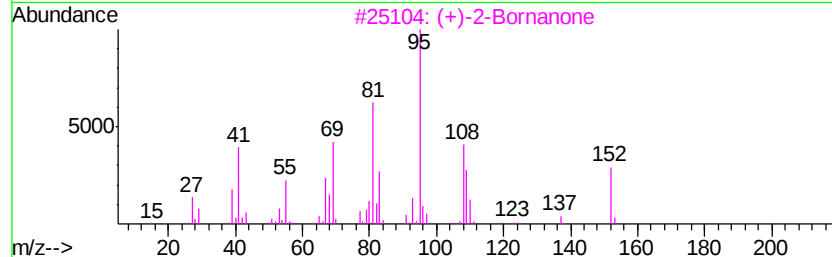
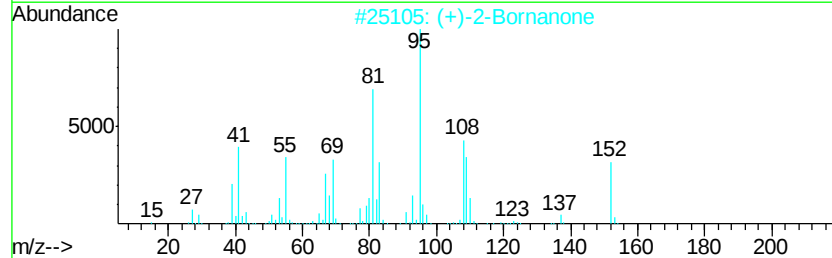
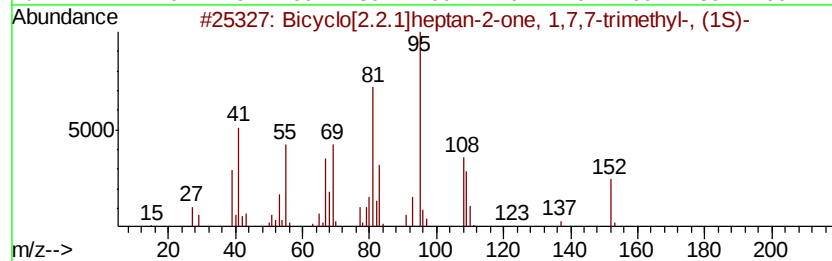
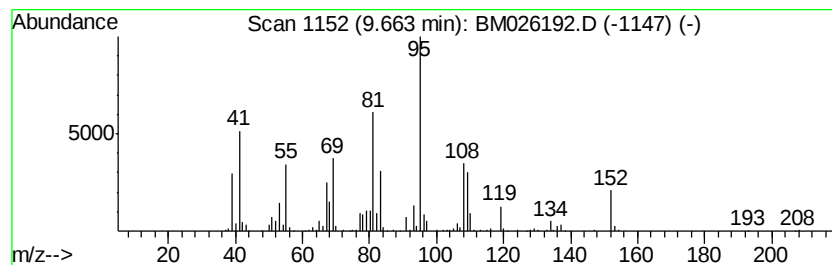
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 6

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.66 | 7.64 ng/ul | 576580 | Naphthalene-d8   | 10.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 97   |
| 2    |    | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 96   |
| 3    |    | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 96   |
| 4    |    | Camphor                             | 152 | C10H16O | 000076-22-2 | 96   |
| 5    |    | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

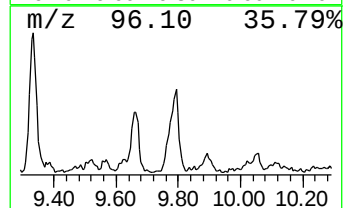
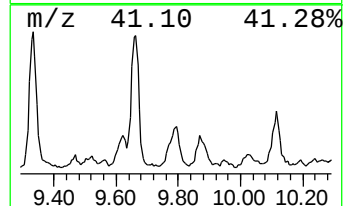
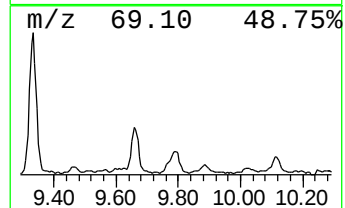
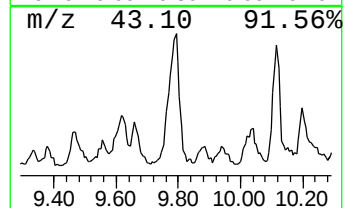
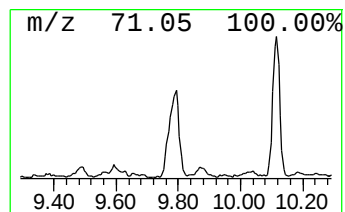
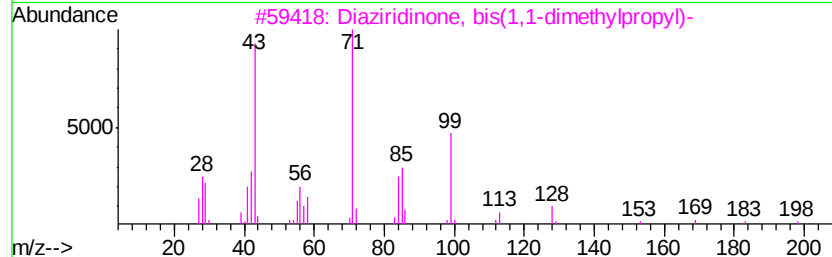
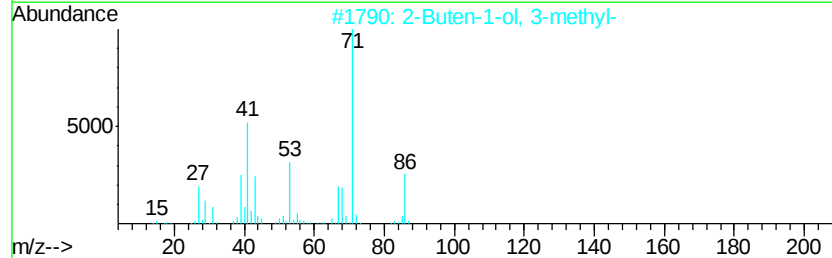
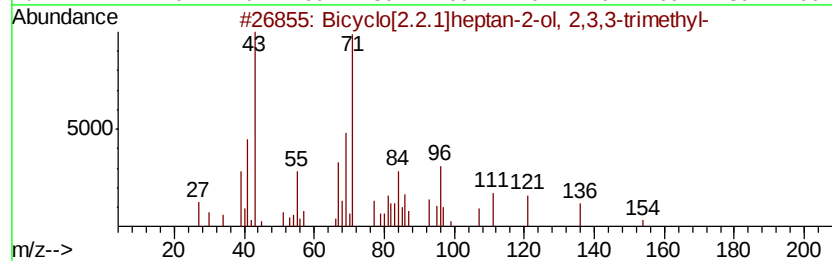
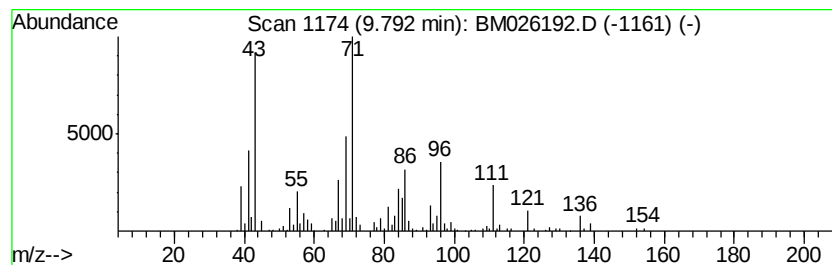
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 13

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.79 | 4.09 ng/ul | 308397 | Naphthalene-d8   | 10.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Bicyclo[2.2.1]heptan-2-ol, 2,3,3... | 154 | C10H18O   | 000465-31-6 | 72   |
| 2    |    | 2-Buten-1-ol, 3-methyl-             | 86  | C5H10O    | 000556-82-1 | 47   |
| 3    |    | Diaziridinone, bis(1,1-dimethylp... | 198 | C11H22N2O | 019656-75-8 | 43   |
| 4    |    | 2-Butene, 1-methoxy-, (E)-          | 86  | C5H10O    | 010034-14-7 | 38   |
| 5    |    | Acetic acid, (1,2-dimethyl-1-pro... | 128 | C7H12O2   | 003814-41-3 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

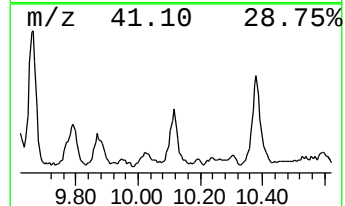
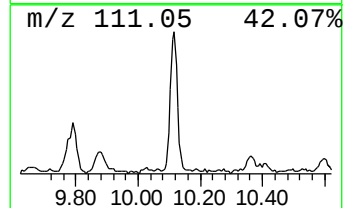
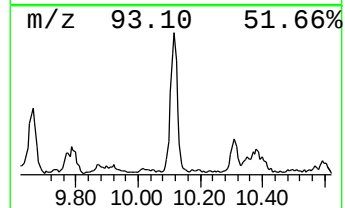
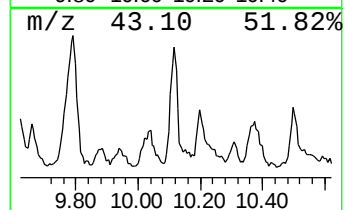
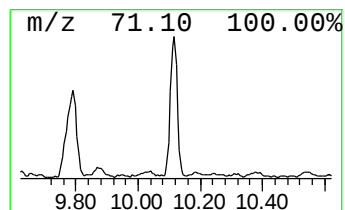
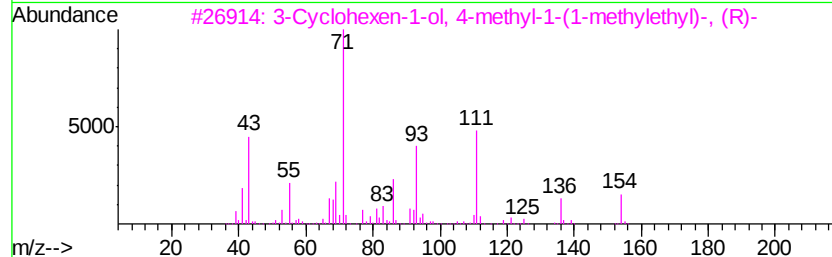
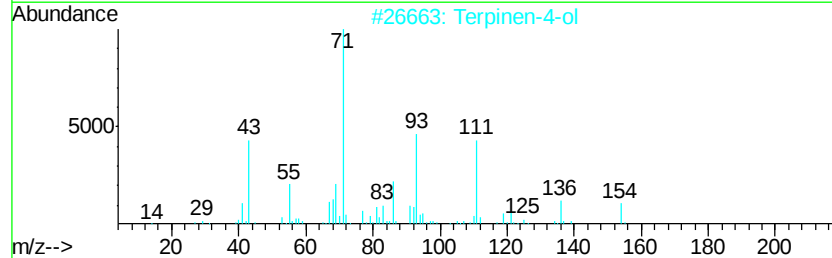
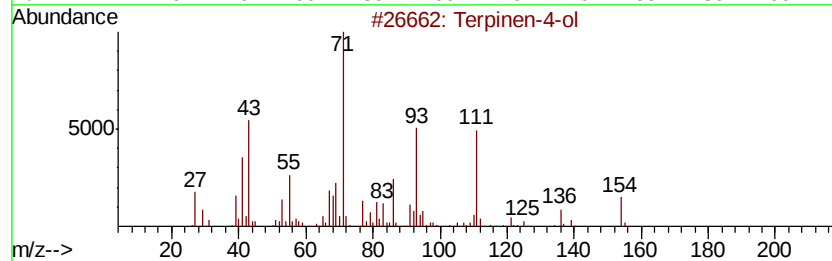
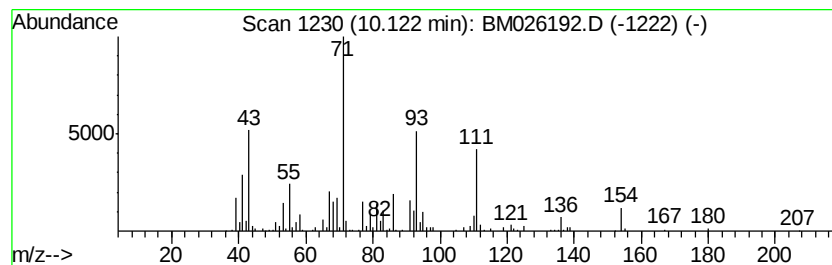
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Terpinen-4-ol Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.12 | 4.08 ng/ul | 307922 | Naphthalene-d8   | 10.23 |

| Hit# | of | 5 | Tentative ID                                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Terpinen-4-ol                                        | 154 | C10H18O | 000562-74-3 | 95   |
| 2    |    |   | Terpinen-4-ol                                        | 154 | C10H18O | 000562-74-3 | 90   |
| 3    |    |   | 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-, (R)- | 154 | C10H18O | 020126-76-5 | 87   |
| 4    |    |   | 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-, (R)- | 154 | C10H18O | 020126-76-5 | 81   |
| 5    |    |   | Terpinen-4-ol                                        | 154 | C10H18O | 000562-74-3 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

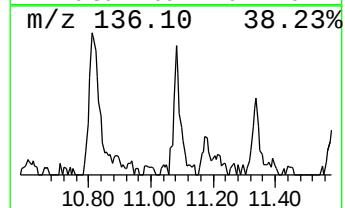
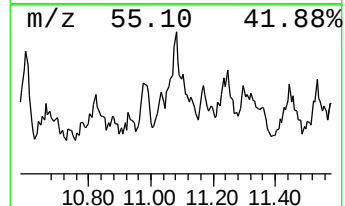
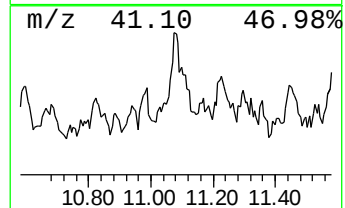
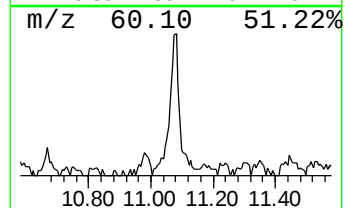
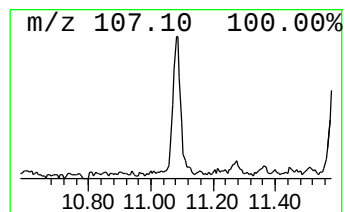
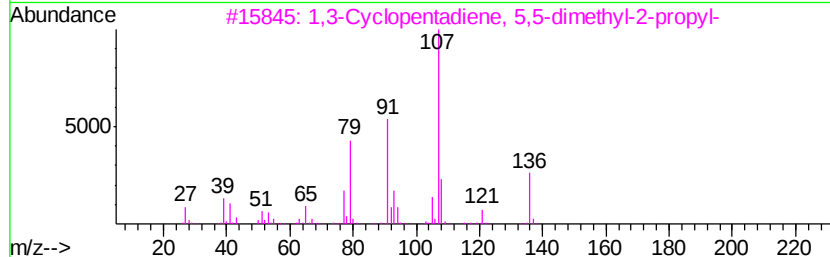
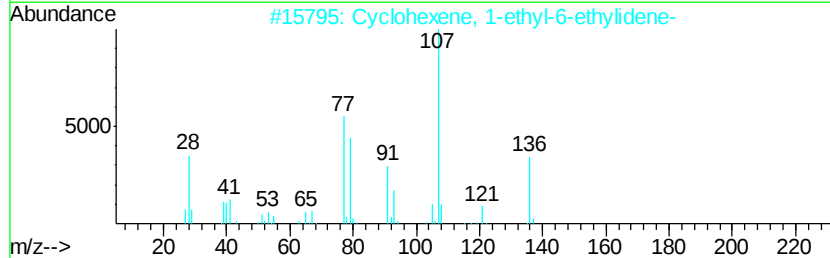
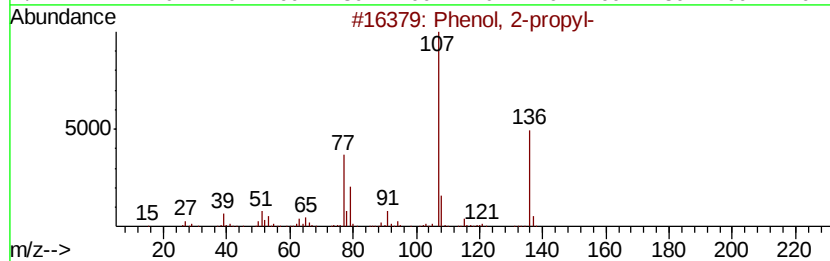
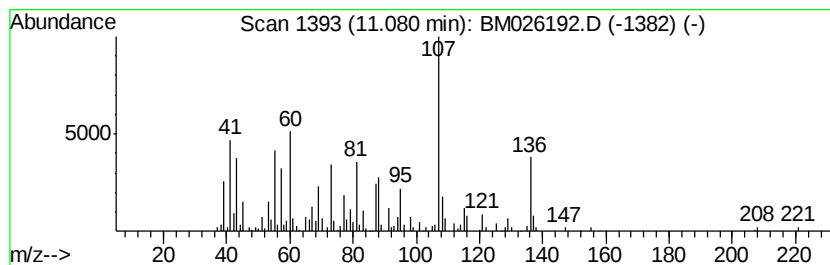
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ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 unknown-01 Concentration Rank 20

| R.T.    | EstConc                                     | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------------------------|--------------|------------------|-----------|
| 11.08   | 2.78 ng/ul                                  | 209835       | Naphthalene-d8   | 10.23     |
| Hit# of | 5                                           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Phenol, 2-propyl-                           | 136 C9H12O   | 000644-35-9      | 45        |
| 2       | Cyclohexene, 1-ethyl-6-ethylidene-          | 136 C10H16   | 061141-57-9      | 38        |
| 3       | 1,3-Cyclopentadiene, 5,5-dimethyl-2-propyl- | 136 C10H16   | 1000163-57-0     | 38        |
| 4       | Phenol, 2-propyl-                           | 136 C9H12O   | 000644-35-9      | 35        |
| 5       | Pyridine, 2,6-dimethyl-                     | 107 C7H9N    | 000108-48-5      | 22        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

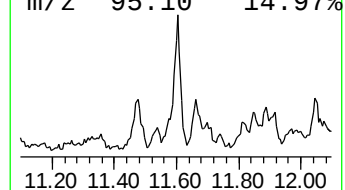
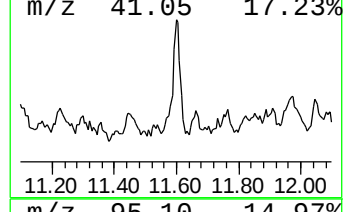
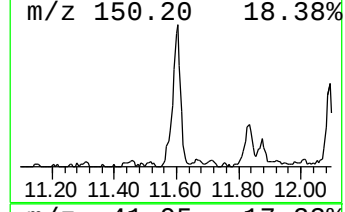
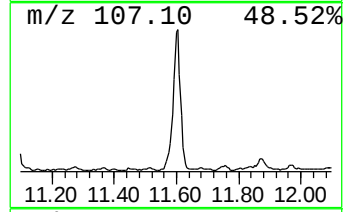
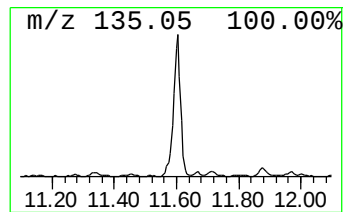
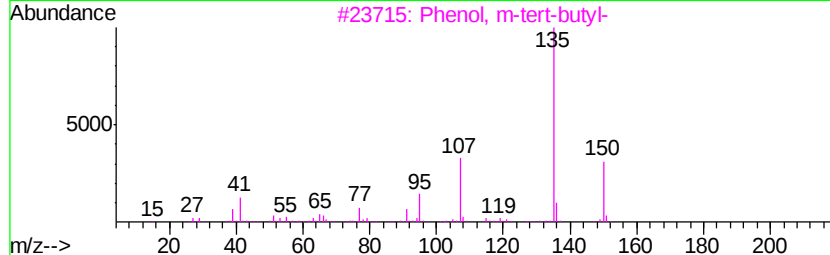
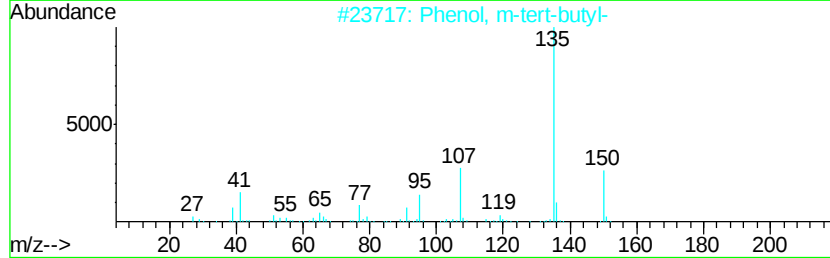
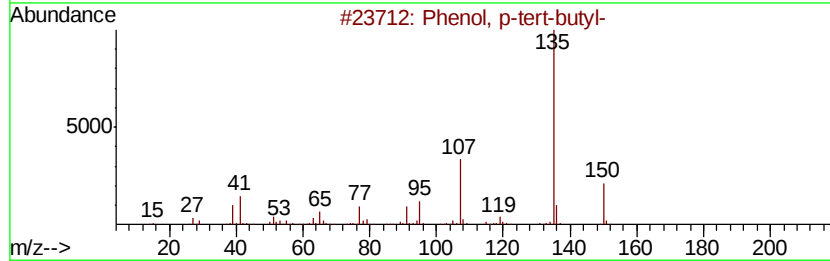
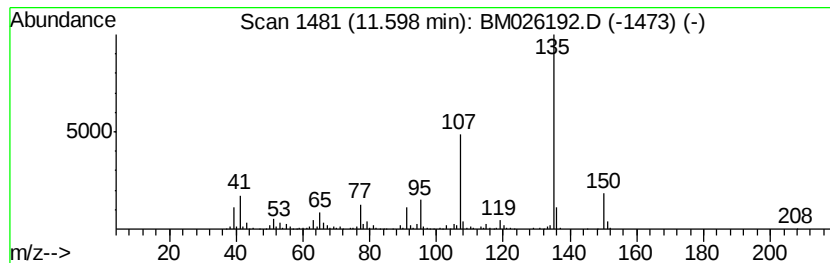
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 12 Phenol, p-tert-butyl- Concentration Rank 11

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 11.60   | 4.92 ng/ul            | 371324       | Napthalene-d8    | 10.23     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Phenol, p-tert-butyl- | 150 C10H14O  | 000098-54-4      | 94        |
| 2       | Phenol, m-tert-butyl- | 150 C10H14O  | 000585-34-2      | 93        |
| 3       | Phenol, m-tert-butyl- | 150 C10H14O  | 000585-34-2      | 91        |
| 4       | Phenol, p-tert-butyl- | 150 C10H14O  | 000098-54-4      | 87        |
| 5       | Phenol, p-tert-butyl- | 150 C10H14O  | 000098-54-4      | 74        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

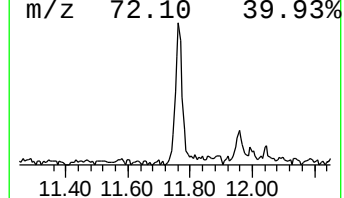
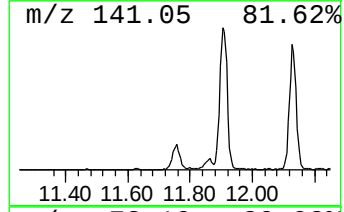
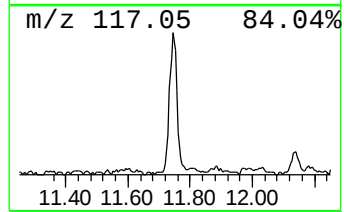
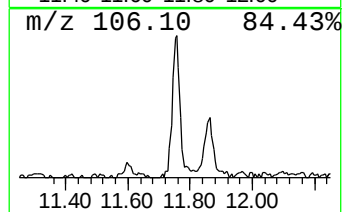
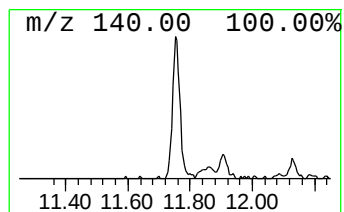
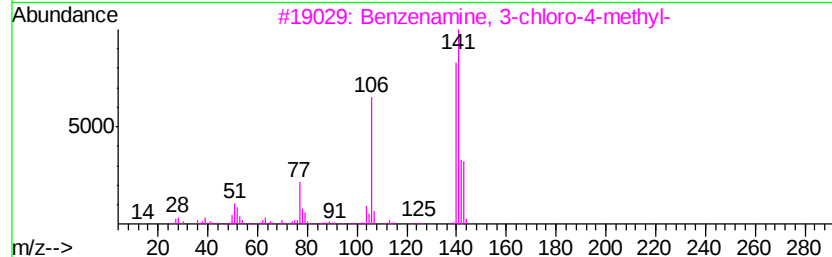
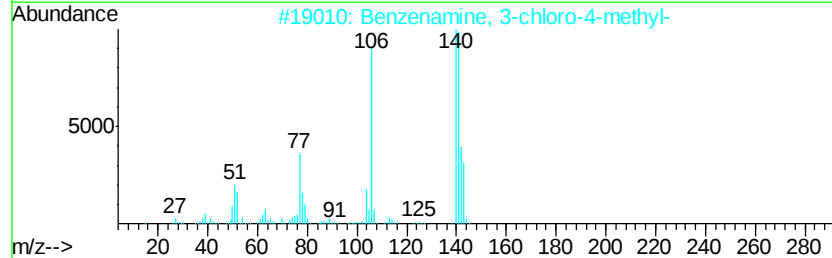
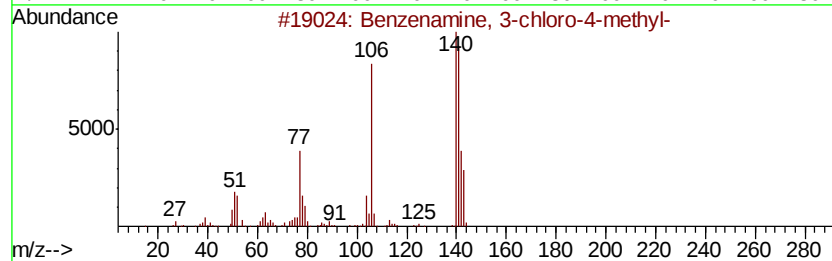
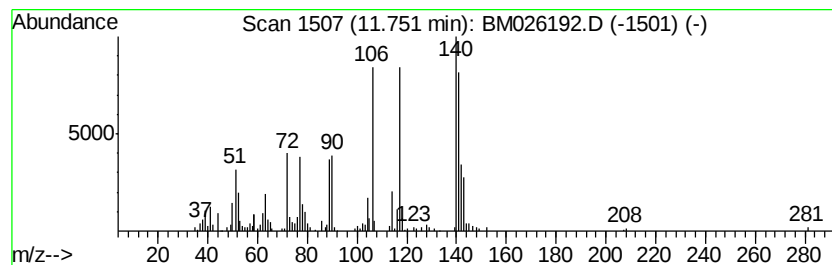
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Benzenamine, 3-chloro-4-met... Concentration Rank 25

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.75 | 2.27 ng/ul | 171042 | Napthalene-d8    | 10.23 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzenamine, 3-chloro-4-methyl- | 141 | C7H8ClN | 000095-74-9 | 96   |
| 2    |    |   | Benzenamine, 3-chloro-4-methyl- | 141 | C7H8ClN | 000095-74-9 | 96   |
| 3    |    |   | Benzenamine, 3-chloro-4-methyl- | 141 | C7H8ClN | 000095-74-9 | 64   |
| 4    |    |   | m-Toluidine, 4-chloro-          | 141 | C7H8ClN | 007149-75-9 | 64   |
| 5    |    |   | Benzenamine, 2-chloro-4-methyl- | 141 | C7H8ClN | 000615-65-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

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Quant Title : SVOA CALIBRATION

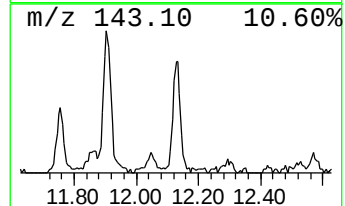
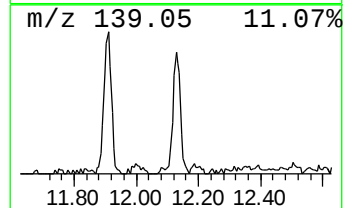
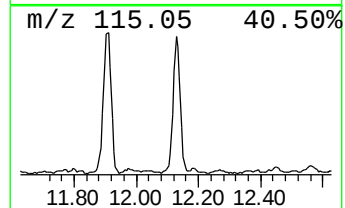
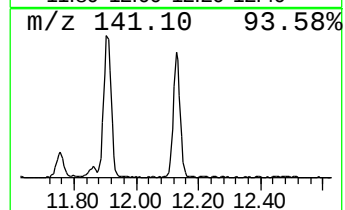
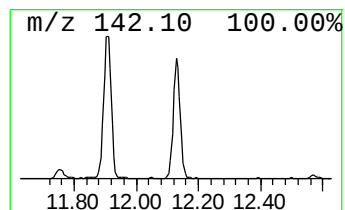
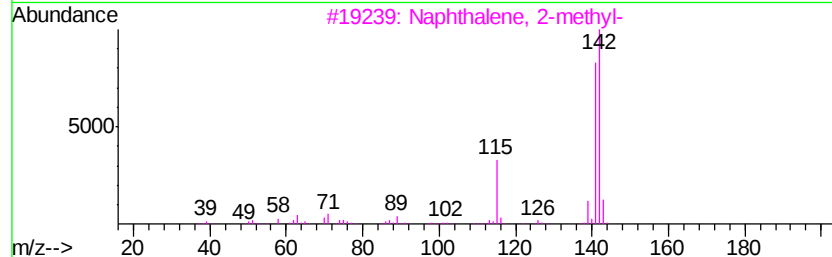
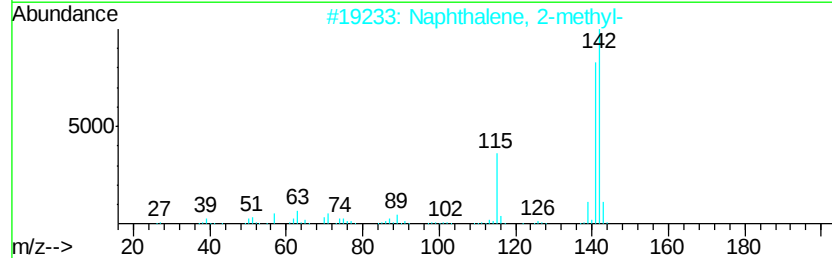
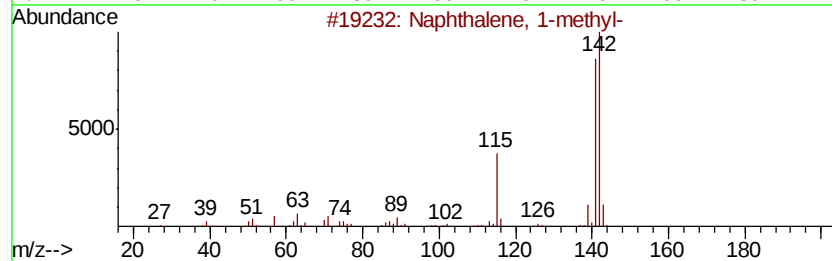
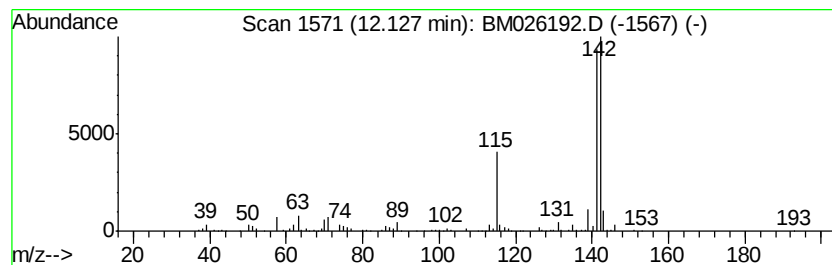
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 1-methyl- Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.13 | 4.62 ng/ul | 348461 | Naphthalene-d8   | 10.23 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 91   |
| 5    |    |   | Benzocycloheptatriene  | 142 | C11H10  | 000264-09-5 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

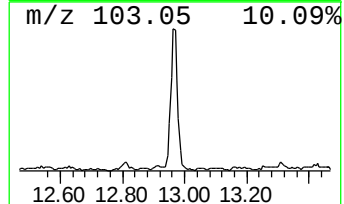
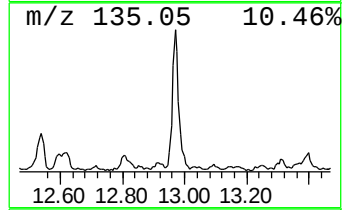
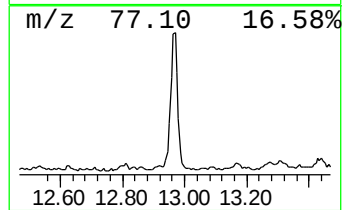
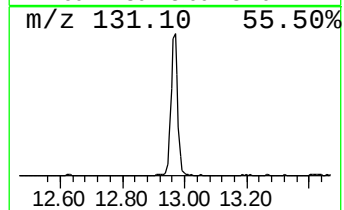
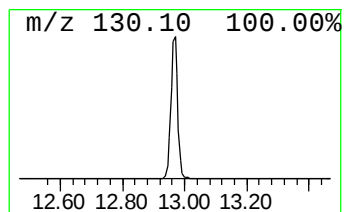
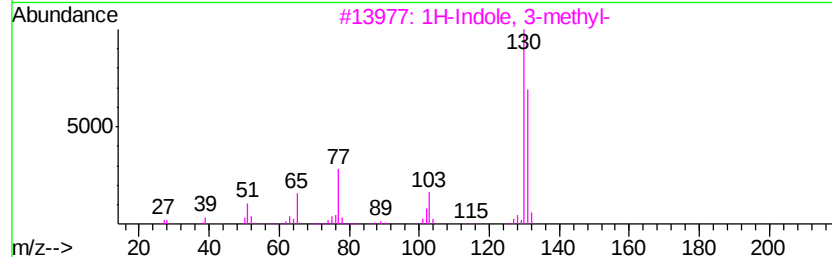
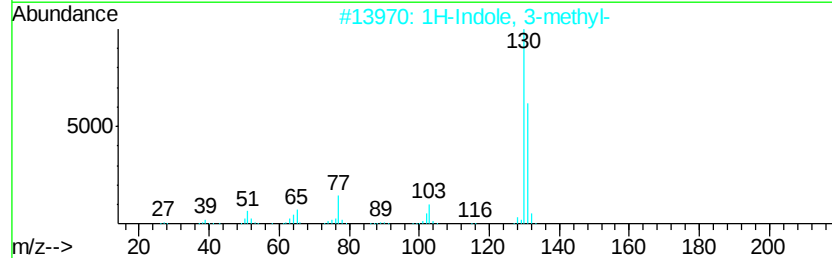
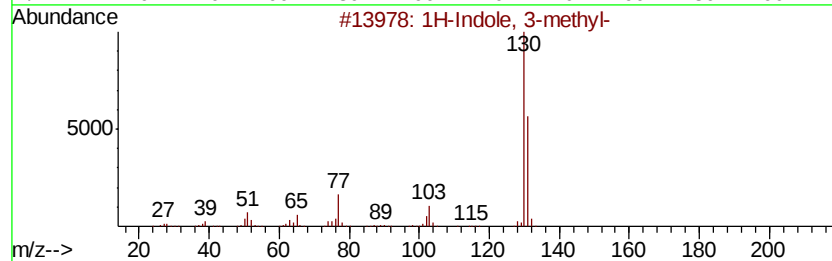
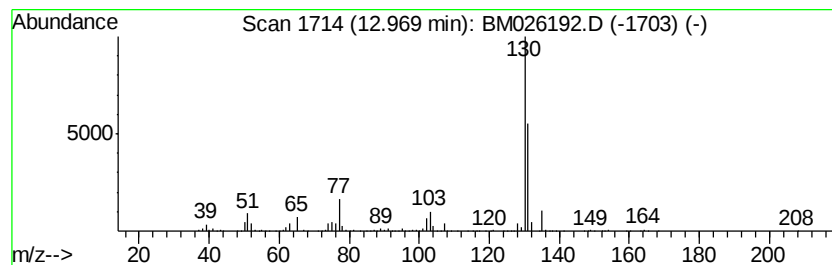
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 1H-Indole, 3-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 12.97 | 6.55 ng/ul | 1010690 | Acenaphthene-d10 | 14.12 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indole, 3-methyl- | 131 | C9H9N   | 000083-34-1 | 94   |
| 2    |    |   | 1H-Indole, 3-methyl- | 131 | C9H9N   | 000083-34-1 | 94   |
| 3    |    |   | 1H-Indole, 3-methyl- | 131 | C9H9N   | 000083-34-1 | 90   |
| 4    |    |   | 1H-Indole, 2-methyl- | 131 | C9H9N   | 000095-20-5 | 90   |
| 5    |    |   | 1H-Indole, 3-methyl- | 131 | C9H9N   | 000083-34-1 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

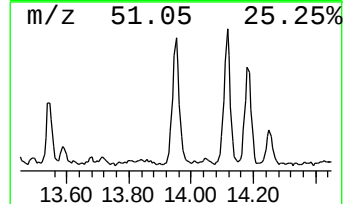
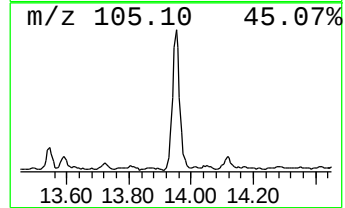
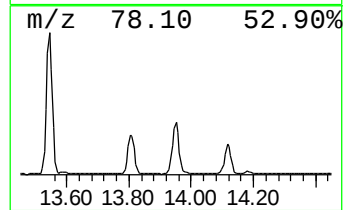
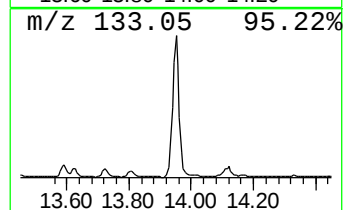
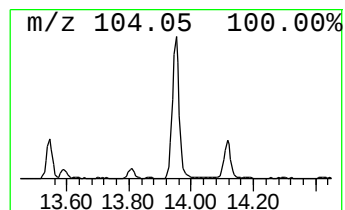
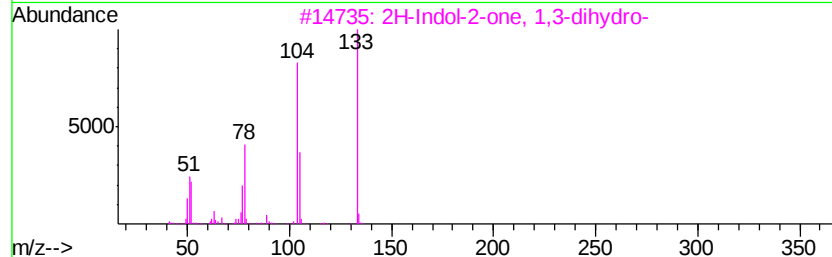
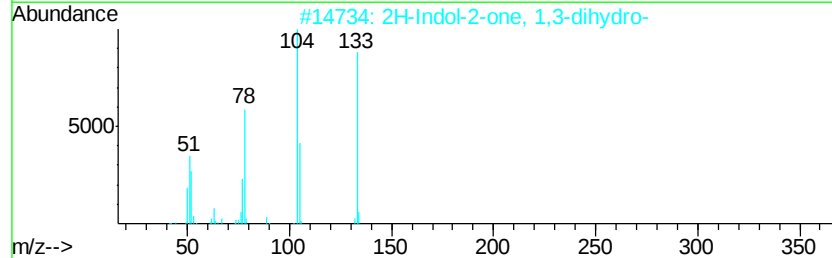
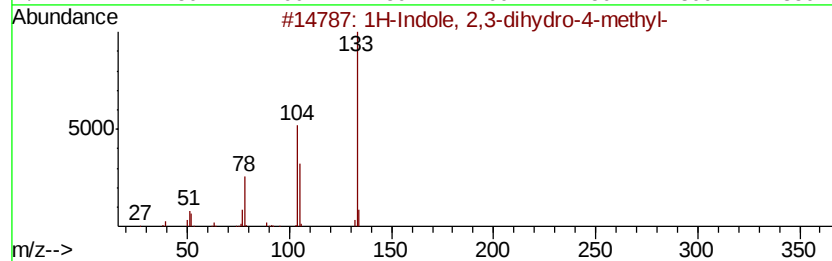
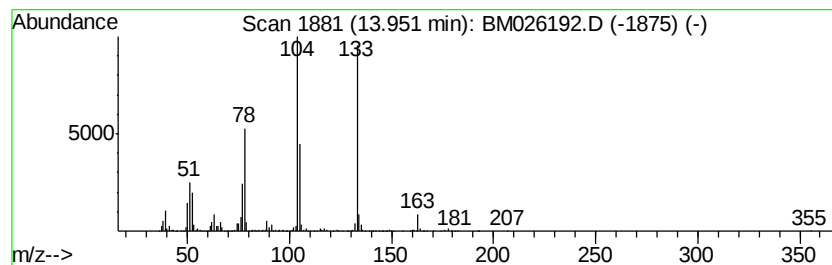
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 1H-Indole, 2,3-dihydro-4-me... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.95 | 5.57 ng/ul | 860011 | Acenaphthene-d10 | 14.12 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indole, 2,3-dihydro-4-methyl- | 133 | C9H11N  | 062108-16-1 | 97   |
| 2    |    |   | 2H-Indol-2-one, 1,3-dihydro-     | 133 | C8H7NO  | 000059-48-3 | 97   |
| 3    |    |   | 2H-Indol-2-one, 1,3-dihydro-     | 133 | C8H7NO  | 000059-48-3 | 95   |
| 4    |    |   | 2H-Indol-2-one, 1,3-dihydro-     | 133 | C8H7NO  | 000059-48-3 | 94   |
| 5    |    |   | 1H-Benzotriazole, 5-methyl-      | 133 | C7H7N3  | 000136-85-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

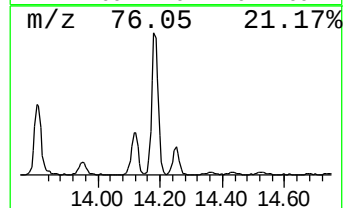
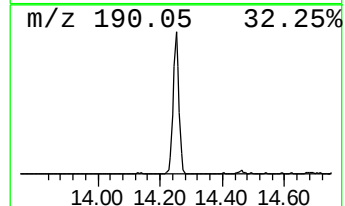
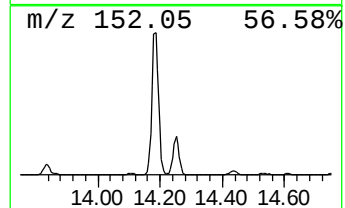
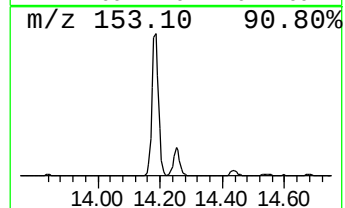
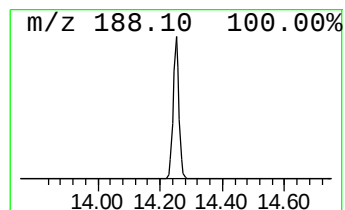
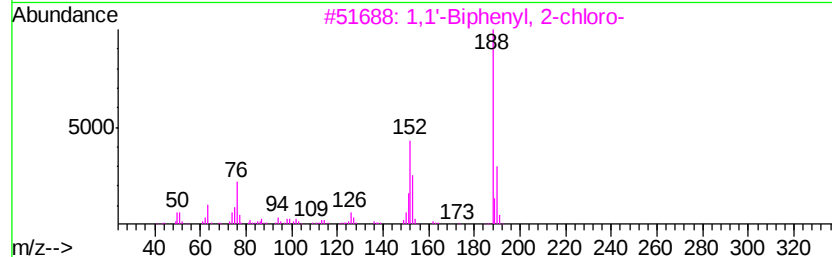
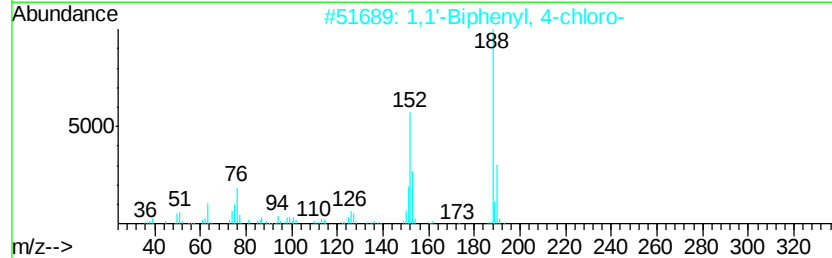
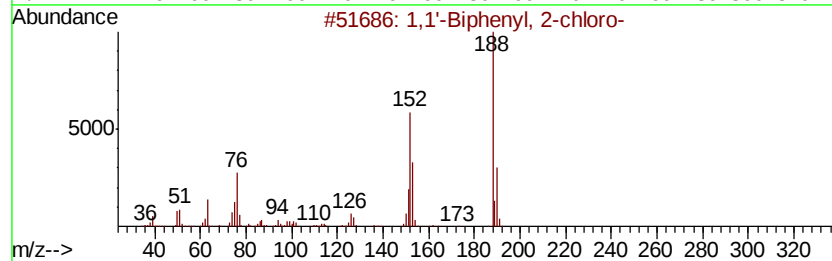
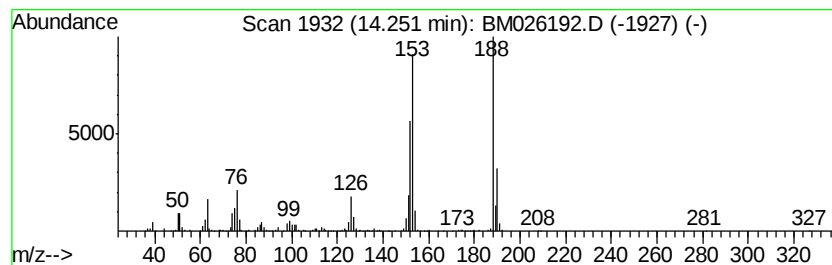
Instrument :  
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ClientSampleId :  
CB640

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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 1,1'-Biphenyl, 2-chloro- Concentration Rank 18

| R.T.  | EstConc          | Area      | Relative to ISTD |     | R.T.    |             |      |
|-------|------------------|-----------|------------------|-----|---------|-------------|------|
| 14.25 | 3.28 ng/ul       | 506026    | Acenaphthene-d10 |     | 14.12   |             |      |
| Hit#  | of               | 5         | Tentative ID     | MW  | MolForm | CAS#        | Qual |
| 1     | 1,1'             | -Biphenyl | 2-chloro-        | 188 | C12H9Cl | 002051-60-7 | 89   |
| 2     | 1,1'             | -Biphenyl | 4-chloro-        | 188 | C12H9Cl | 002051-62-9 | 86   |
| 3     | 1,1'             | -Biphenyl | 2-chloro-        | 188 | C12H9Cl | 002051-60-7 | 83   |
| 4     | 1,1'             | -Biphenyl | 2-chloro-        | 188 | C12H9Cl | 002051-60-7 | 83   |
| 5     | 3-Chlorobiphenyl |           |                  | 188 | C12H9Cl | 002051-61-8 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

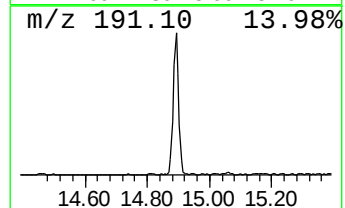
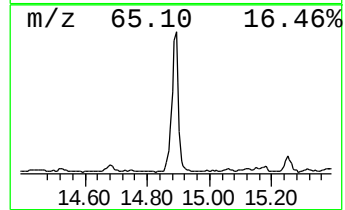
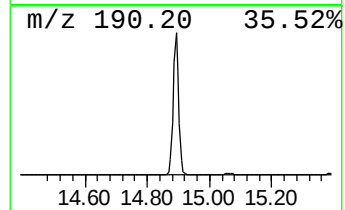
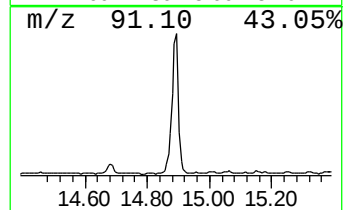
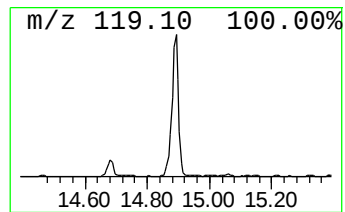
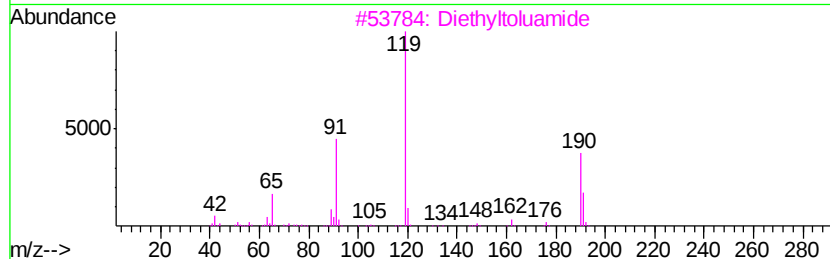
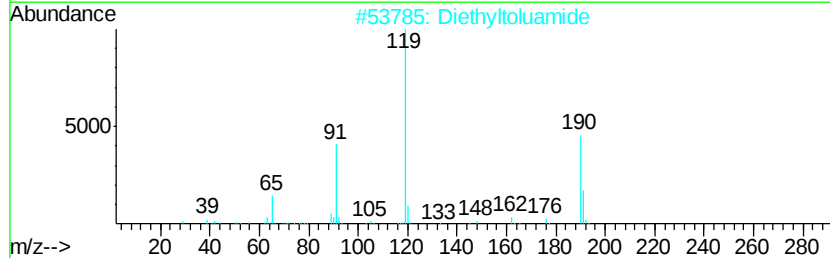
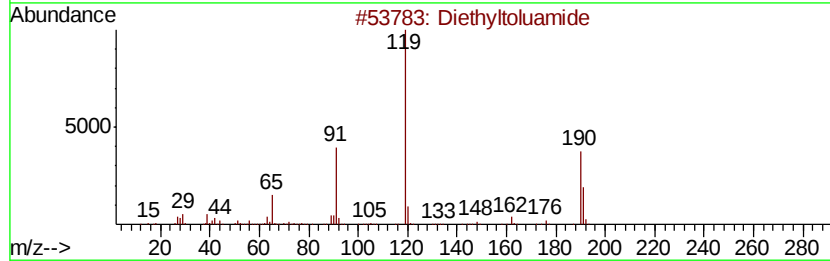
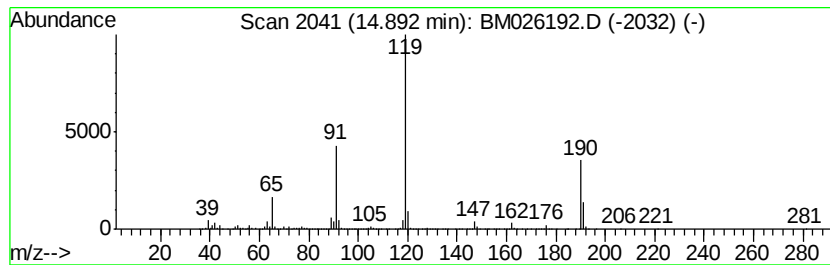
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 Diethyltoluamide Concentration Rank 2

| R.T.    | EstConc                          | Area         | Relative to ISTD | R.T.           |
|---------|----------------------------------|--------------|------------------|----------------|
| 14.89   | 14.86 ng/ul                      | 2293640      | Acenaphthene-d10 | 14.12          |
| Hit# of | 5                                | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Diethyltoluamide                 | 191          | C12H17NO         | 000134-62-3 95 |
| 2       | Diethyltoluamide                 | 191          | C12H17NO         | 000134-62-3 94 |
| 3       | Diethyltoluamide                 | 191          | C12H17NO         | 000134-62-3 90 |
| 4       | Benzamide, N,N-diethyl-4-methyl- | 191          | C12H17NO         | 002728-05-4 76 |
| 5       | 4'-Methylbutyrophenone           | 162          | C11H14O          | 004160-52-5 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

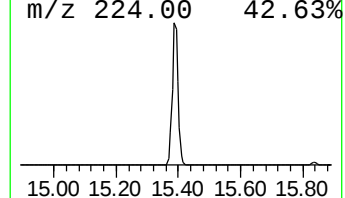
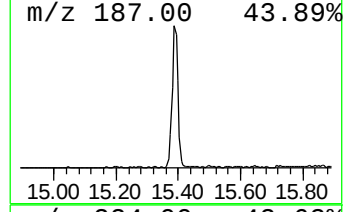
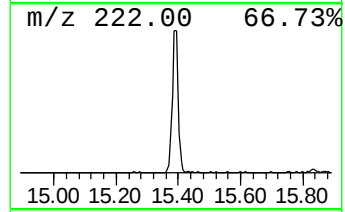
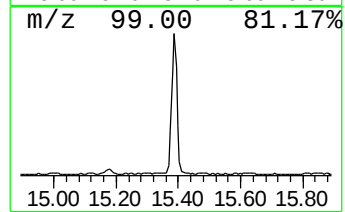
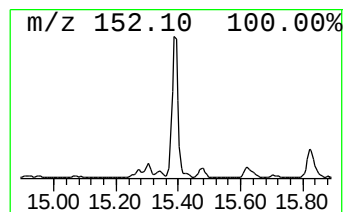
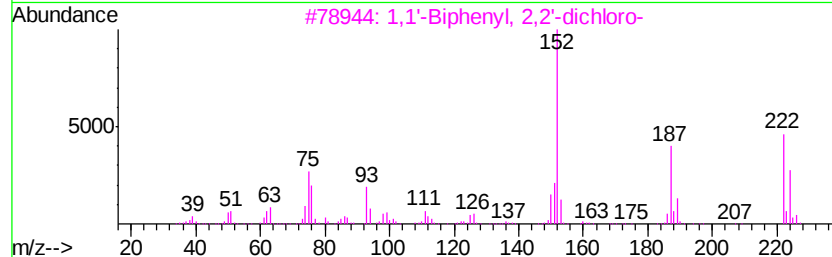
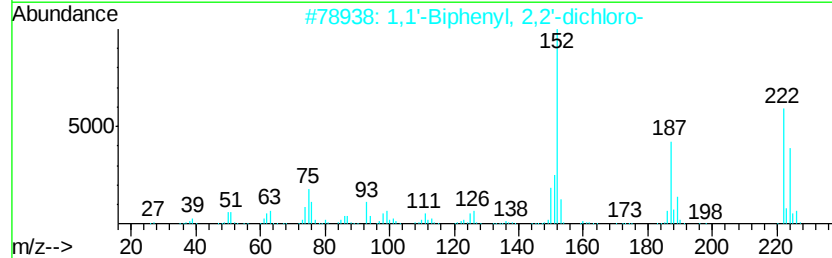
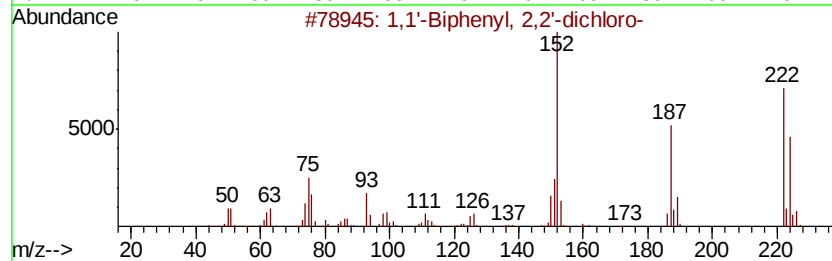
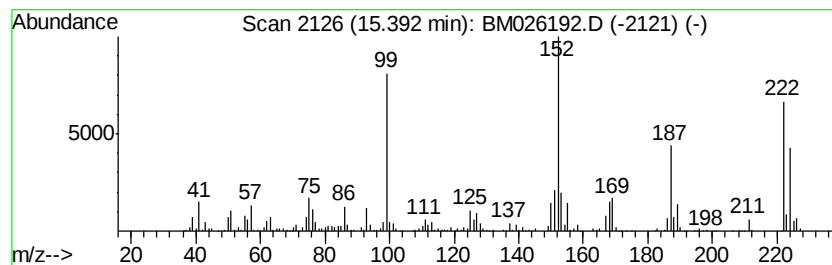
Instrument :  
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ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 19 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 16

| R.T.      | EstConc                       | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------|--------|------------------|-------------|-------|
| 15.39     | 3.67 ng/ul                    | 566686 | Acenaphthene-d10 |             | 14.12 |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual  |
| 1         | 1,1'-Biphenyl, 2,2'-dichloro- | 222    | C12H8Cl2         | 013029-08-8 | 99    |
| 2         | 1,1'-Biphenyl, 2,2'-dichloro- | 222    | C12H8Cl2         | 013029-08-8 | 99    |
| 3         | 1,1'-Biphenyl, 2,2'-dichloro- | 222    | C12H8Cl2         | 013029-08-8 | 98    |
| 4         | 1,1'-Biphenyl, 3,4'-dichloro- | 222    | C12H8Cl2         | 002974-90-5 | 95    |
| 5         | 1,1'-Biphenyl, 4,4'-dichloro- | 222    | C12H8Cl2         | 002050-68-2 | 95    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

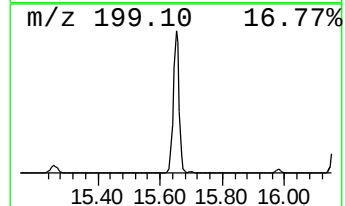
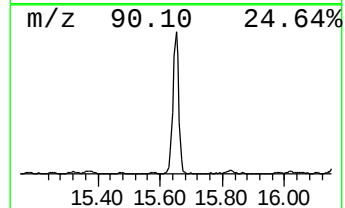
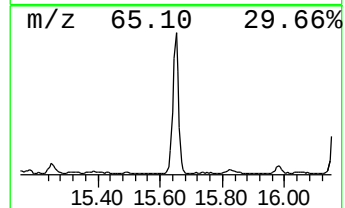
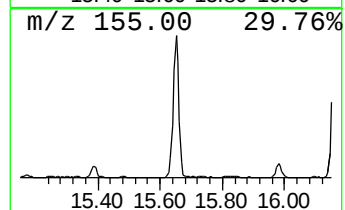
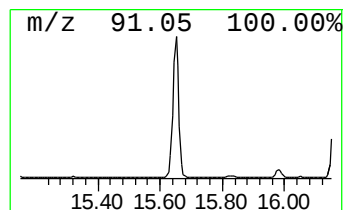
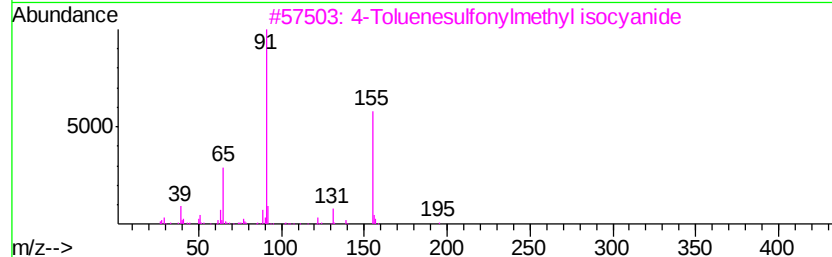
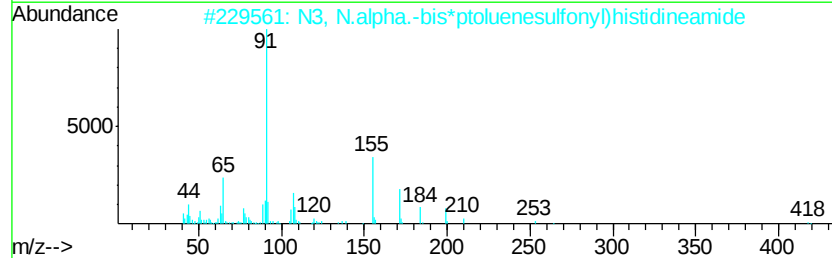
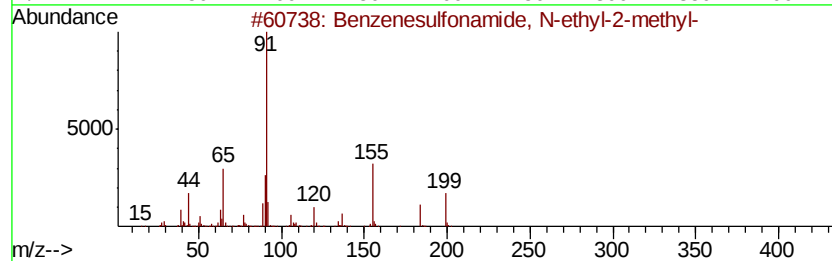
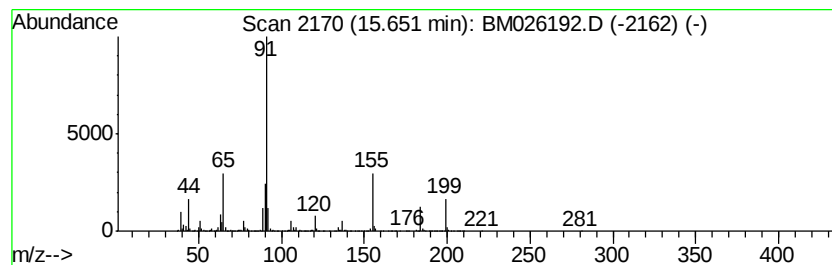
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Benzenesulfonamide, N-ethyl... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.65 | 17.56 ng/ul | 1821450 | Phenanthrene-d10 | 16.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Benzenesulfonamide, N-ethyl-2-me... | 199 | C9H13NO2S    | 001077-56-1  | 98   |
| 2    |    | N3, N.alpha.-bis*ptoluenesulfony... | 462 | C20H22N4O5S2 | 1000130-21-9 | 53   |
| 3    |    | 4-Toluenesulfonylmethyl isocyanide  | 195 | C9H9NO2S     | 036635-61-7  | 52   |
| 4    |    | p-Toluenesulfonylacetonitrile       | 195 | C9H9NO2S     | 005697-44-9  | 50   |
| 5    |    | (O-p-Tosylisonitroso)malononitrile  | 249 | C10H7N3O3S   | 020893-01-0  | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

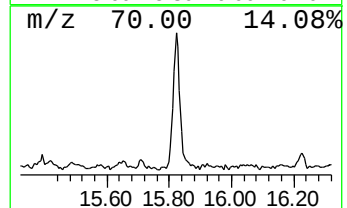
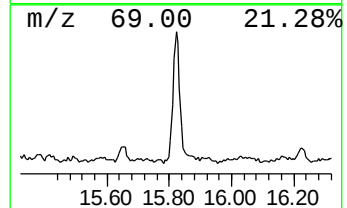
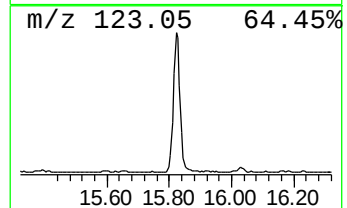
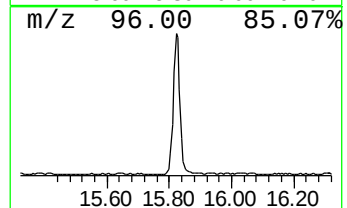
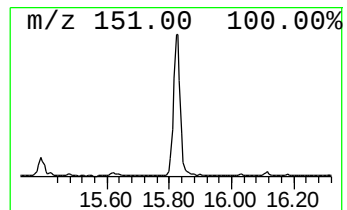
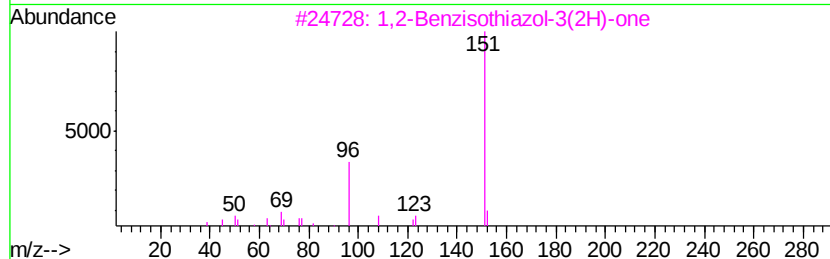
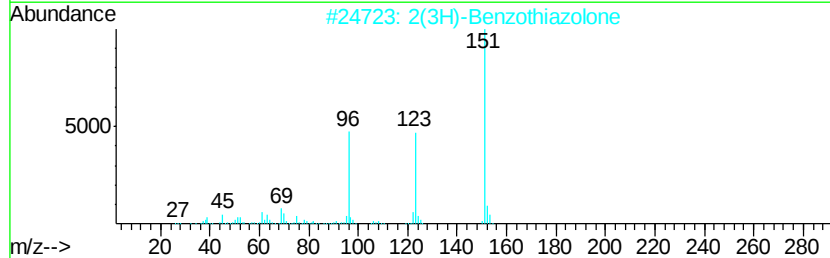
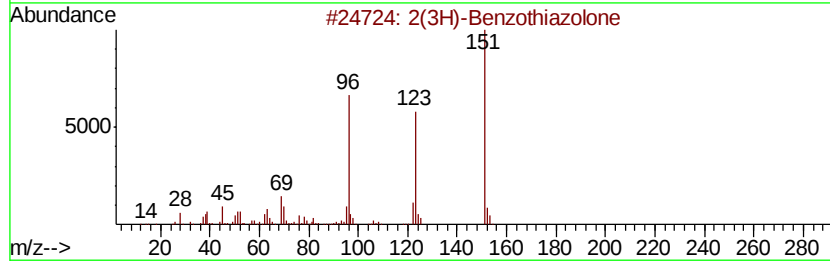
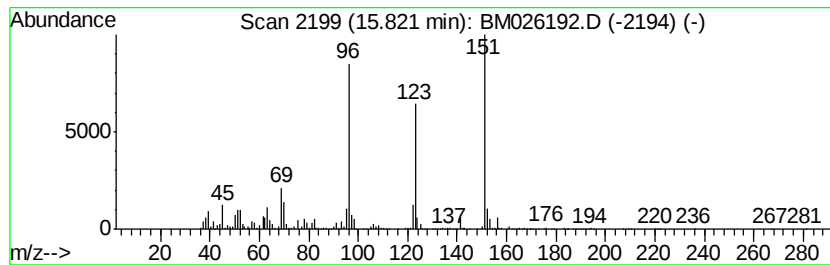
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 21 2(3H)-Benzothiazolone Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.82 | 8.87 ng/ul | 919380 | Phenanthrene-d10 | 16.87 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2(3H)-Benzothiazolone        | 151 | C7H5NOS  | 000934-34-9 | 96   |
| 2    |    |   | 2(3H)-Benzothiazolone        | 151 | C7H5NOS  | 000934-34-9 | 94   |
| 3    |    |   | 1,2-Benzisothiazol-3(2H)-one | 151 | C7H5NOS  | 002634-33-5 | 76   |
| 4    |    |   | t-Butylhydroquinone          | 166 | C10H14O2 | 001948-33-0 | 43   |
| 5    |    |   | 4-Methoxyformanilide         | 151 | C8H9NO2  | 005470-34-8 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

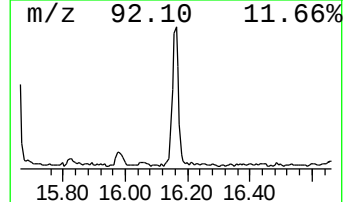
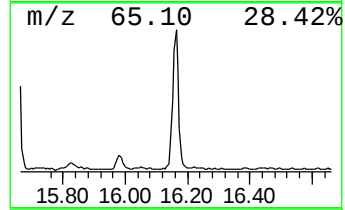
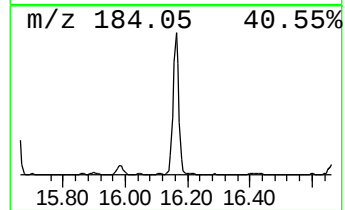
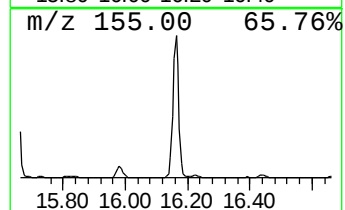
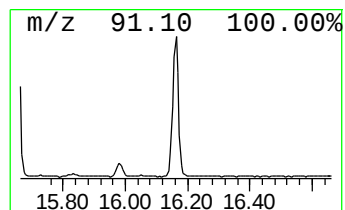
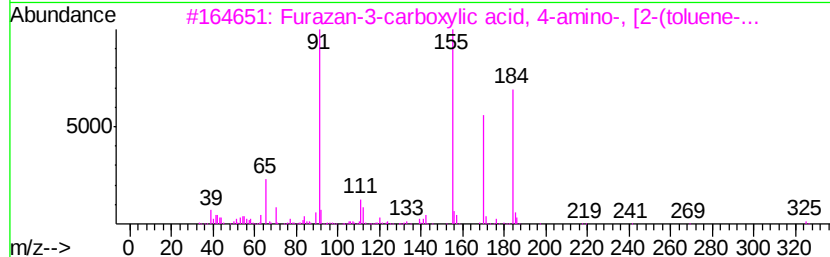
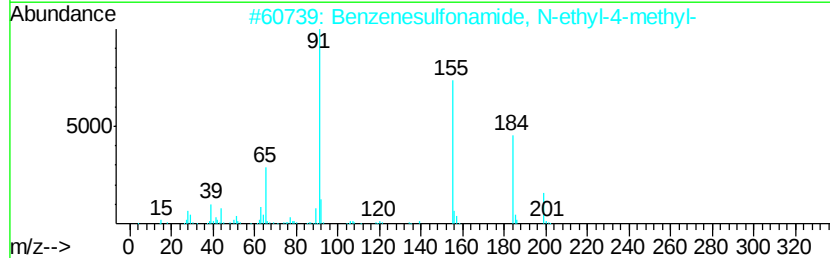
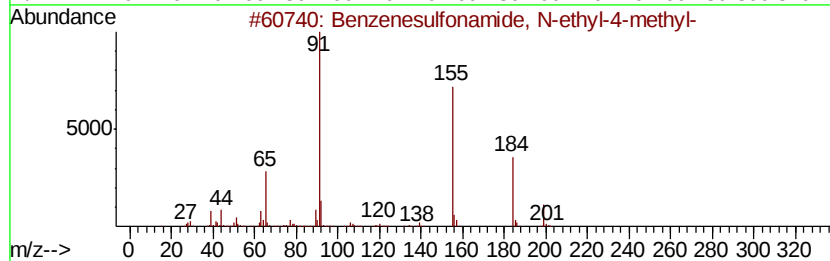
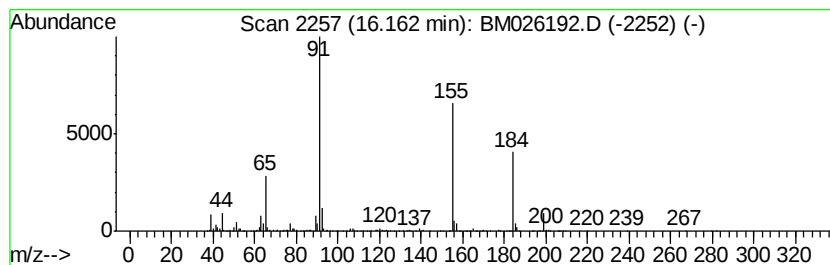
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 22 Benzenesulfonamide, N-ethyl... Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 16.16 | 9.70 ng/ul | 1005680 | Phenanthrene-d10 | 16.87 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Benzenesulfonamide, N-ethyl-4-me... | 199 | C9H13NO2S   | 000080-39-7  | 97   |
| 2    |    |   | Benzenesulfonamide, N-ethyl-4-me... | 199 | C9H13NO2S   | 000080-39-7  | 96   |
| 3    |    |   | Furazan-3-carboxylic acid, 4-ami... | 325 | C12H15N5O4S | 1000304-69-4 | 78   |
| 4    |    |   | (Toluene-4-sulfonylamino)-acetic... | 283 | C13H17N04S  | 1000190-48-0 | 64   |
| 5    |    |   | 4-Methyl-N-(2-oxobutyl)benzenesu... | 241 | C11H15N03S  | 1000192-14-5 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

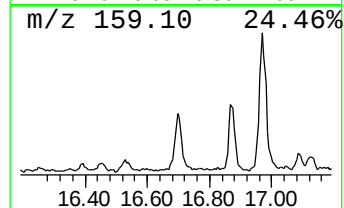
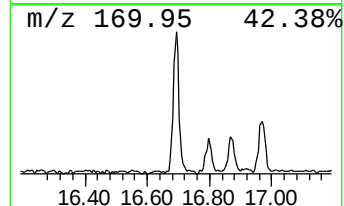
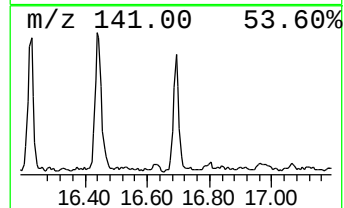
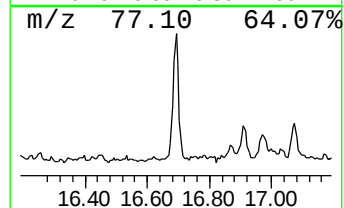
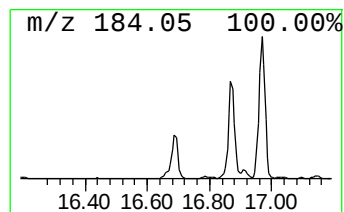
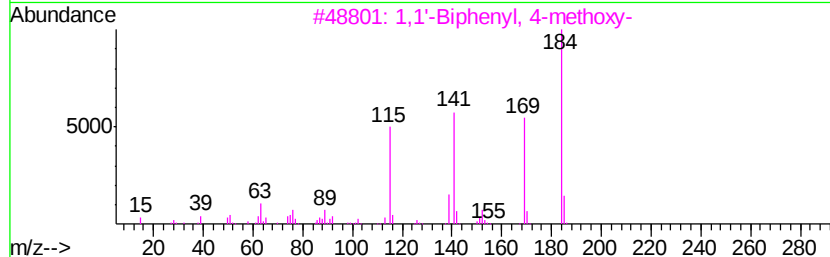
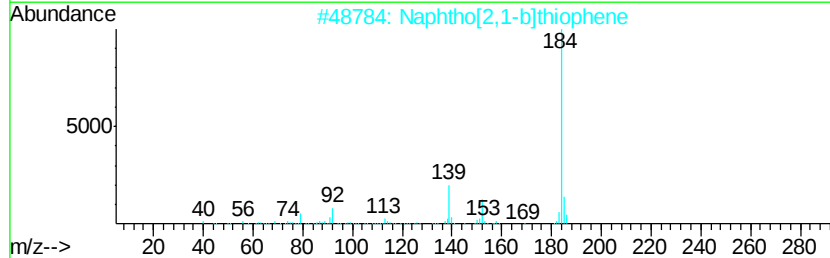
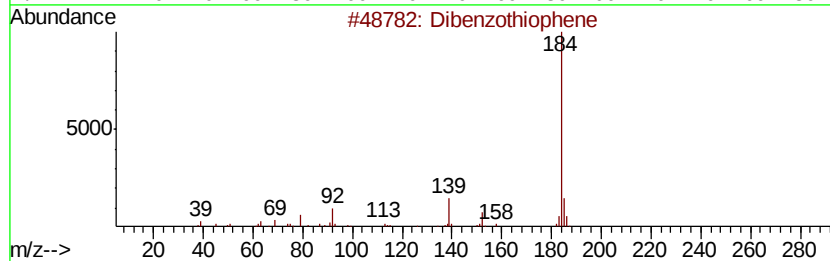
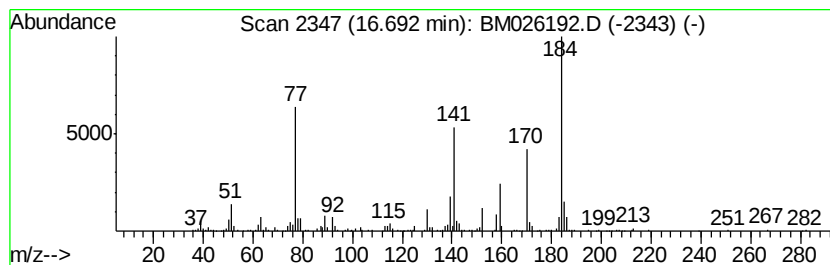
Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 23 Dibenzothiophene Concentration Rank 24

| R.T.    | EstConc    | Area                         | Relative to ISTD | R.T.           |
|---------|------------|------------------------------|------------------|----------------|
| 16.69   | 2.48 ng/ul | 256843                       | Phenanthrene-d10 | 16.87          |
| Hit# of | 5          | Tentative ID                 | MW MolForm       | CAS# Qual      |
| 1       |            | Dibenzothiophene             | 184 C12H8S       | 000132-65-0 80 |
| 2       |            | Naphtho[2,1-b]thiophene      | 184 C12H8S       | 000233-02-3 55 |
| 3       |            | 1,1'-Biphenyl, 4-methoxy-    | 184 C13H12O      | 000613-37-6 46 |
| 4       |            | Benzenesulfonamide, N-butyl- | 213 C10H15NO2S   | 003622-84-2 46 |
| 5       |            | Benzenesulfonamide, N-butyl- | 213 C10H15NO2S   | 003622-84-2 46 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

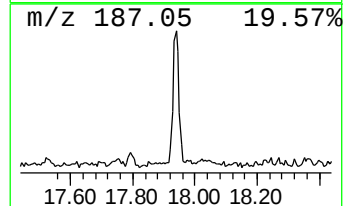
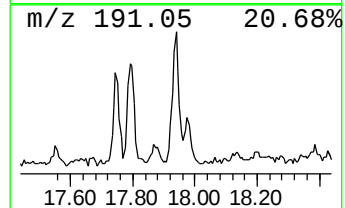
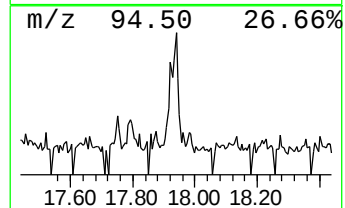
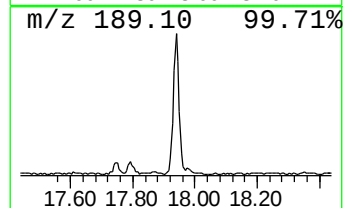
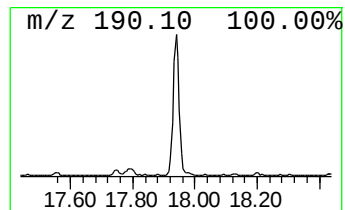
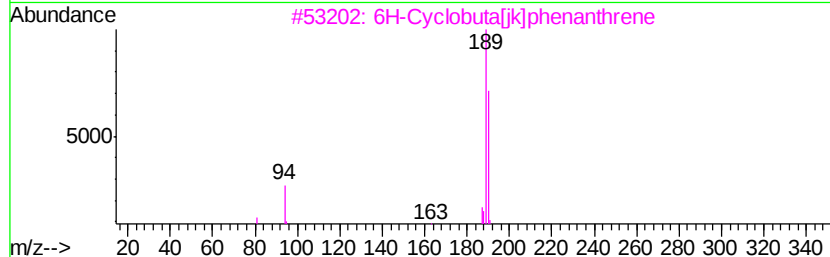
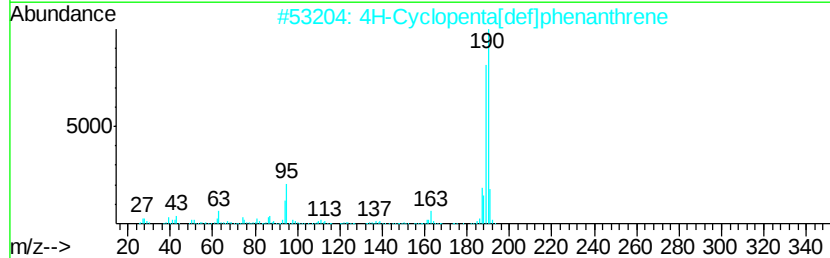
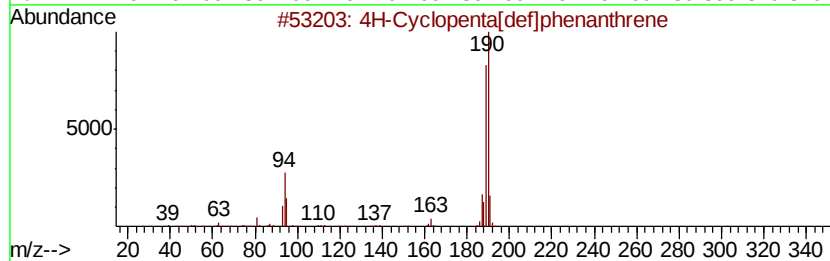
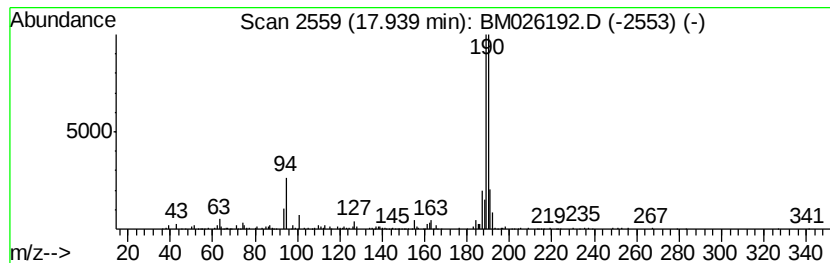
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.94 | 2.58 ng/ul | 268044 | Phenanthrene-d10 | 16.87 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 91   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 81   |
| 3    |    |   | 6H-Cyclobuta[ik]phenanthrene   | 190 | C15H10   | 083469-43-6 | 78   |
| 4    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10   | 000203-64-5 | 53   |
| 5    |    |   | Phenol, 4-(2-thienylmethyl)-   | 190 | C11H10OS | 091680-55-6 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\  
Data File : BM026192.D  
Acq On : 30 May 2020 03:47  
Operator : MA/SJ  
Sample : L2820-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

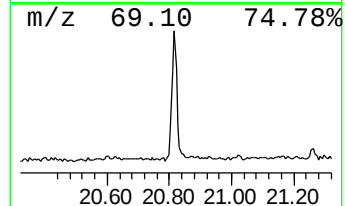
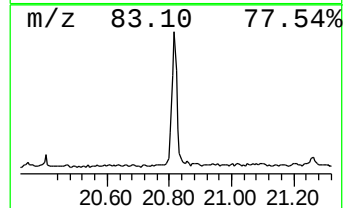
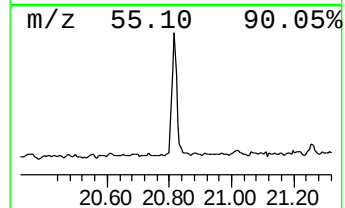
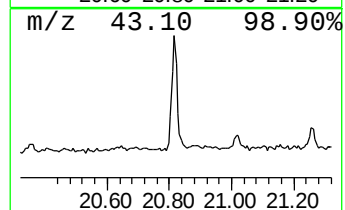
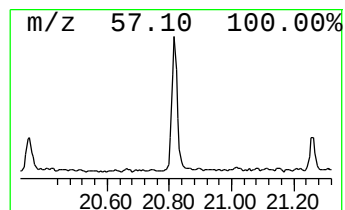
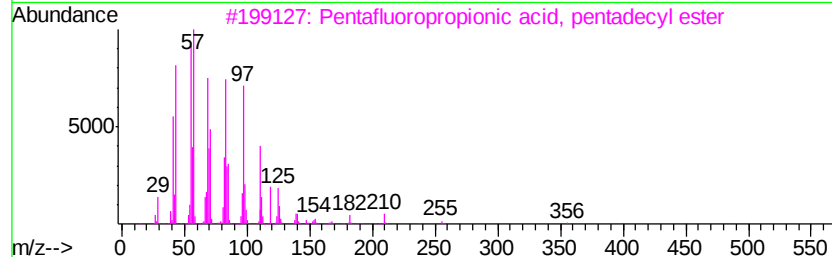
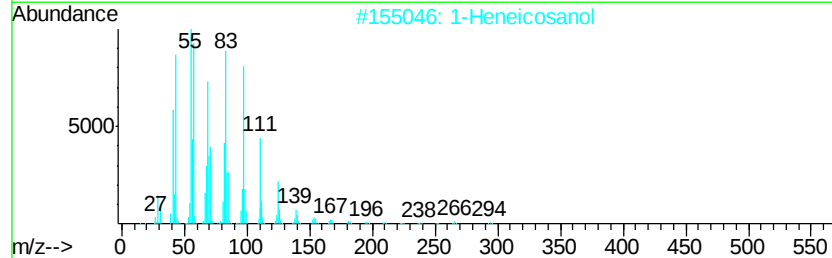
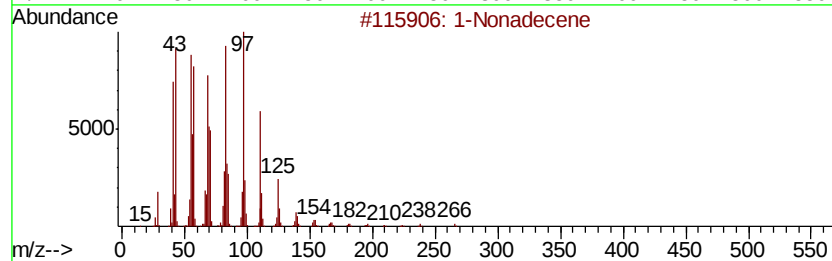
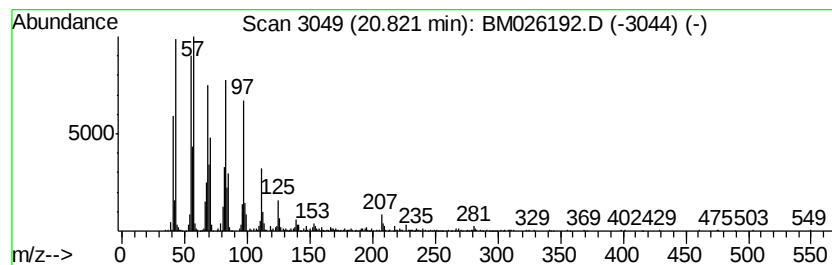
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.82 | 6.13 ng/ul | 711784 | Chrysene-d12     | 21.07 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5  | 97   |
| 2    |    |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8  | 94   |
| 3    |    |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1  | 94   |
| 4    |    |   | Cyclopentadecane                    | 210 | C15H30     | 000295-48-7  | 93   |
| 5    |    |   | 2- Chloropropionic acid, pentade... | 318 | C18H35ClO2 | 1000292-44-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM052920\  
 Data File : BM026192.D  
 Acq On : 30 May 2020 03:47  
 Operator : MA/SJ  
 Sample : L2820-13  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB640

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.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 |
| 1,3-Oxathiolane      | 4.19  | 3.3     | ng/ul | 190131   | 1                     | 7.47  | 1159370 | 20.0 |
| Benzene, chloro-     | 4.85  | 2.7     | ng/ul | 158854   | 1                     | 7.47  | 1159370 | 20.0 |
| o-Cymene             | 7.62  | 8.3     | ng/ul | 482586   | 1                     | 7.47  | 1159370 | 20.0 |
| Indane               | 7.85  | 3.3     | ng/ul | 189771   | 1                     | 7.47  | 1159370 | 20.0 |
| Benzenamine, 3-me... | 8.46  | 7.1     | ng/ul | 409117   | 1                     | 7.47  | 1159370 | 20.0 |
| Bicyclo[2.2.1]hep... | 8.71  | 4.0     | ng/ul | 234725   | 1                     | 7.47  | 1159370 | 20.0 |
| Cyclohexanemethan... | 9.62  | 2.5     | ng/ul | 190000   | 2                     | 10.23 | 1508850 | 20.0 |
| Bicyclo[2.2.1]hep... | 9.66  | 7.6     | ng/ul | 576580   | 2                     | 10.23 | 1508850 | 20.0 |
| Bicyclo[2.2.1]hep... | 9.79  | 4.1     | ng/ul | 308397   | 2                     | 10.23 | 1508850 | 20.0 |
| Terpinen-4-ol        | 10.12 | 4.1     | ng/ul | 307922   | 2                     | 10.23 | 1508850 | 20.0 |
| unknown-01           | 11.08 | 2.8     | ng/ul | 209835   | 2                     | 10.23 | 1508850 | 20.0 |
| Phenol, p-tert-bu... | 11.60 | 4.9     | ng/ul | 371324   | 2                     | 10.23 | 1508850 | 20.0 |
| Benzenamine, 3-ch... | 11.75 | 2.3     | ng/ul | 171042   | 2                     | 10.23 | 1508850 | 20.0 |
| Naphthalene, 1-me... | 12.13 | 4.6     | ng/ul | 348461   | 2                     | 10.23 | 1508850 | 20.0 |
| 1H-Indole, 3-methyl- | 12.97 | 6.5     | ng/ul | 1010690  | 3                     | 14.12 | 3087520 | 20.0 |
| 1H-Indole, 2,3-di... | 13.95 | 5.6     | ng/ul | 860011   | 3                     | 14.12 | 3087520 | 20.0 |
| 1,1'-Biphenyl, 2-... | 14.25 | 3.3     | ng/ul | 506026   | 3                     | 14.12 | 3087520 | 20.0 |
| Diethyltoluamide     | 14.89 | 14.9    | ng/ul | 2293640  | 3                     | 14.12 | 3087520 | 20.0 |
| 1,1'-Biphenyl, 2,... | 15.39 | 3.7     | ng/ul | 566686   | 3                     | 14.12 | 3087520 | 20.0 |
| Benzenesulfonamid... | 15.65 | 17.6    | ng/ul | 1821450  | 4                     | 16.87 | 2074000 | 20.0 |
| 2(3H)-Benzothiazo... | 15.82 | 8.9     | ng/ul | 919380   | 4                     | 16.87 | 2074000 | 20.0 |
| Benzenesulfonamid... | 16.16 | 9.7     | ng/ul | 1005680  | 4                     | 16.87 | 2074000 | 20.0 |
| Dibenzothiophene     | 16.69 | 2.5     | ng/ul | 256843   | 4                     | 16.87 | 2074000 | 20.0 |
| 4H-Cyclopenta[def... | 17.94 | 2.6     | ng/ul | 268044   | 4                     | 16.87 | 2074000 | 20.0 |
| (DEL) Alkane: Str... | 20.82 | 6.1     | ng/ul | 711784   | 5                     | 21.07 | 2320770 | 20.0 |