

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123119\  
 Data File : BM024393.D  
 Acq On : 31 Dec 2019 13:27  
 Operator : JU  
 Sample : K6356-04DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0D38DL

## 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-BM121719MA.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         | 3.675       | 132           | 134         | 141          | rVB4     | 9427           | 13838         | 0.54%           | 0.069%        |
| 2         | 4.004       | 188           | 190         | 192          | rBV3     | 4187           | 3368          | 0.13%           | 0.017%        |
| 3         | 4.246       | 229           | 231         | 234          | rBV3     | 4444           | 4856          | 0.19%           | 0.024%        |
| 4         | 4.769       | 316           | 320         | 326          | rBV4     | 10964          | 22580         | 0.88%           | 0.112%        |
| 5         | 6.051       | 534           | 538         | 540          | rVB2     | 2648           | 3365          | 0.13%           | 0.017%        |
| 6         | 6.645       | 633           | 639         | 647          | rVB5     | 15053          | 39604         | 1.55%           | 0.197%        |
| 7         | 6.775       | 655           | 661         | 672          | rBV      | 84295          | 178619        | 6.98%           | 0.889%        |
| 8         | 6.957       | 686           | 692         | 706          | rBV2     | 95464          | 194989        | 7.61%           | 0.971%        |
| 9         | 7.304       | 745           | 751         | 755          | rBV5     | 4123           | 7339          | 0.29%           | 0.037%        |
| 10        | 7.404       | 762           | 768         | 781          | rBV      | 665301         | 1174584       | 45.87%          | 5.847%        |
| 11        | 7.751       | 821           | 827         | 840          | rBV      | 177446         | 318535        | 12.44%          | 1.586%        |
| 12        | 8.016       | 867           | 872         | 875          | rBV3     | 2332           | 4177          | 0.16%           | 0.021%        |
| 13        | 8.151       | 890           | 895         | 908          | rBV      | 49660          | 122947        | 4.80%           | 0.612%        |
| 14        | 8.563       | 959           | 965         | 968          | rBV      | 134471         | 216587        | 8.46%           | 1.078%        |
| 15        | 8.604       | 968           | 972         | 987          | rVB      | 458662         | 903081        | 35.27%          | 4.495%        |
| 16        | 8.986       | 1033          | 1037        | 1041         | rVV4     | 3005           | 4260          | 0.17%           | 0.021%        |
| 17        | 9.028       | 1041          | 1044        | 1048         | rVB5     | 3527           | 5135          | 0.20%           | 0.026%        |
| 18        | 9.286       | 1082          | 1088        | 1102         | rBV2     | 77486          | 173482        | 6.77%           | 0.864%        |
| 19        | 9.833       | 1175          | 1181        | 1200         | rBV      | 93486          | 240316        | 9.39%           | 1.196%        |
| 20        | 10.045      | 1211          | 1217        | 1226         | rVB2     | 80844          | 134869        | 5.27%           | 0.671%        |
| 21        | 10.169      | 1231          | 1238        | 1251         | rBV      | 898537         | 1550963       | 60.57%          | 7.720%        |
| 22        | 10.386      | 1270          | 1275        | 1276         | rBV5     | 3295           | 3911          | 0.15%           | 0.019%        |
| 23        | 10.563      | 1299          | 1305        | 1315         | rVB      | 76070          | 131384        | 5.13%           | 0.654%        |
| 24        | 10.798      | 1338          | 1345        | 1363         | rBV      | 309215         | 688361        | 26.88%          | 3.427%        |
| 25        | 10.939      | 1368          | 1369        | 1373         | rVB3     | 3424           | 2825          | 0.11%           | 0.014%        |
| 26        | 11.016      | 1373          | 1382        | 1396         | rBV2     | 50953          | 152121        | 5.94%           | 0.757%        |
| 27        | 11.463      | 1453          | 1458        | 1461         | rBV5     | 1428           | 2806          | 0.11%           | 0.014%        |
| 28        | 11.545      | 1469          | 1472        | 1474         | rBV4     | 2448           | 2632          | 0.10%           | 0.013%        |
| 29        | 12.239      | 1585          | 1590        | 1591         | rVV5     | 4864           | 7436          | 0.29%           | 0.037%        |
| 30        | 12.257      | 1591          | 1593        | 1597         | rVB4     | 4363           | 4597          | 0.18%           | 0.023%        |
| 31        | 12.510      | 1632          | 1636        | 1639         | rBV3     | 1842           | 3418          | 0.13%           | 0.017%        |
| 32        | 12.674      | 1660          | 1664        | 1665         | rBV4     | 6716           | 8715          | 0.34%           | 0.043%        |
| 33        | 12.863      | 1691          | 1696        | 1700         | rBV2     | 34489          | 54331         | 2.12%           | 0.270%        |
| 34        | 13.045      | 1723          | 1727        | 1731         | rVV6     | 4998           | 8567          | 0.33%           | 0.043%        |

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 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 13.092 | 1731 | 1735 | 1738 | rVB5 | 4102    | 5952    | 0.23%   | 0.030%  |
| 36 | 13.198 | 1749 | 1753 | 1756 | rBV3 | 2564    | 3187    | 0.12%   | 0.016%  |
| 37 | 13.380 | 1781 | 1784 | 1788 | rBV5 | 1790    | 2749    | 0.11%   | 0.014%  |
| 38 | 13.504 | 1799 | 1805 | 1810 | rBV  | 275005  | 447875  | 17.49%  | 2.229%  |
| 39 | 13.545 | 1810 | 1812 | 1822 | rVB2 | 32895   | 61070   | 2.38%   | 0.304%  |
| 40 | 13.763 | 1840 | 1849 | 1856 | rBV  | 318045  | 501676  | 19.59%  | 2.497%  |
| 41 | 13.851 | 1862 | 1864 | 1869 | rVV4 | 1821    | 2768    | 0.11%   | 0.014%  |
| 42 | 14.069 | 1895 | 1901 | 1910 | rBV  | 1303813 | 1949395 | 76.13%  | 9.704%  |
| 43 | 14.598 | 1987 | 1991 | 1996 | rBV5 | 3831    | 5703    | 0.22%   | 0.028%  |
| 44 | 15.080 | 2065 | 2073 | 2085 | rBV  | 442406  | 685740  | 26.78%  | 3.413%  |
| 45 | 15.257 | 2096 | 2103 | 2110 | rVV4 | 36548   | 77196   | 3.01%   | 0.384%  |
| 46 | 15.315 | 2112 | 2113 | 2118 | rVV4 | 6108    | 7542    | 0.29%   | 0.038%  |
| 47 | 16.086 | 2240 | 2244 | 2249 | rVB4 | 9302    | 12373   | 0.48%   | 0.062%  |
| 48 | 16.433 | 2299 | 2303 | 2305 | rBV3 | 3321    | 4330    | 0.17%   | 0.022%  |
| 49 | 16.627 | 2331 | 2336 | 2342 | rVB3 | 4328    | 7671    | 0.30%   | 0.038%  |
| 50 | 16.833 | 2364 | 2371 | 2382 | rBV  | 1500379 | 2172927 | 84.86%  | 10.816% |
| 51 | 16.933 | 2382 | 2388 | 2402 | rVV2 | 451106  | 730314  | 28.52%  | 3.635%  |
| 52 | 17.021 | 2402 | 2403 | 2405 | rVV2 | 5730    | 3761    | 0.15%   | 0.019%  |
| 53 | 17.039 | 2405 | 2406 | 2410 | rVB4 | 3141    | 3984    | 0.16%   | 0.020%  |
| 54 | 17.233 | 2435 | 2439 | 2441 | rBV4 | 2525    | 3409    | 0.13%   | 0.017%  |
| 55 | 17.492 | 2479 | 2483 | 2484 | rBV3 | 2884    | 2715    | 0.11%   | 0.014%  |
| 56 | 17.762 | 2524 | 2529 | 2532 | rBV5 | 9483    | 12844   | 0.50%   | 0.064%  |
| 57 | 17.815 | 2535 | 2538 | 2542 | rVB6 | 3976    | 7212    | 0.28%   | 0.036%  |
| 58 | 18.051 | 2576 | 2578 | 2580 | rBV3 | 3041    | 2803    | 0.11%   | 0.014%  |
| 59 | 18.209 | 2600 | 2605 | 2611 | rBV2 | 208410  | 285037  | 11.13%  | 1.419%  |
| 60 | 18.345 | 2626 | 2628 | 2630 | rVB3 | 5083    | 4640    | 0.18%   | 0.023%  |
| 61 | 18.503 | 2652 | 2655 | 2656 | rBV2 | 3405    | 3560    | 0.14%   | 0.018%  |
| 62 | 18.562 | 2663 | 2665 | 2667 | rBV2 | 2725    | 2652    | 0.10%   | 0.013%  |
| 63 | 18.604 | 2669 | 2672 | 2674 | rBV3 | 3619    | 4238    | 0.17%   | 0.021%  |
| 64 | 18.698 | 2685 | 2688 | 2690 | rBV2 | 7051    | 7430    | 0.29%   | 0.037%  |
| 65 | 18.951 | 2729 | 2731 | 2733 | rBV2 | 3915    | 3451    | 0.13%   | 0.017%  |
| 66 | 19.245 | 2775 | 2781 | 2792 | rBV  | 569277  | 855330  | 33.40%  | 4.258%  |
| 67 | 21.050 | 3083 | 3088 | 3104 | rBV  | 1734848 | 2533943 | 98.96%  | 12.613% |
| 68 | 23.038 | 3422 | 3426 | 3431 | rBV  | 433744  | 724548  | 28.30%  | 3.607%  |
| 69 | 23.174 | 3443 | 3449 | 3461 | rVB  | 1379323 | 2560632 | 100.00% | 12.746% |

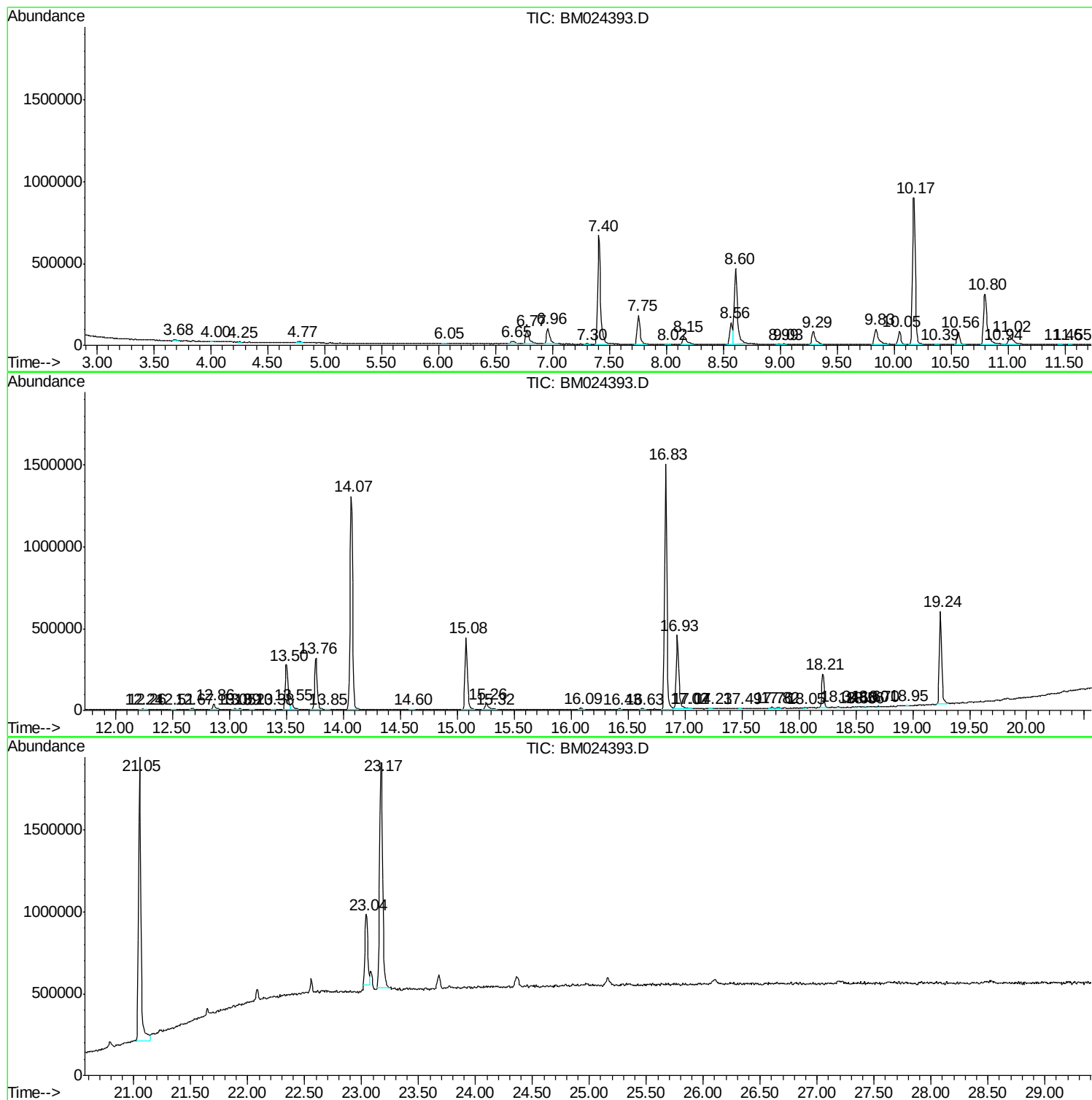
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0D38DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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Instrument :  
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ClientSampleId :  
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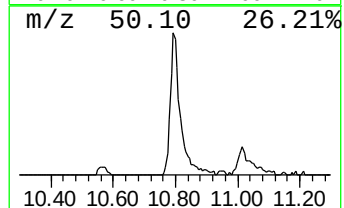
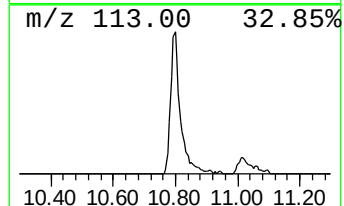
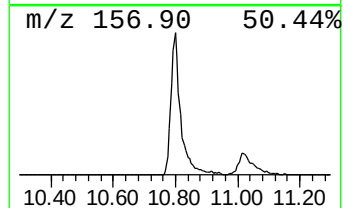
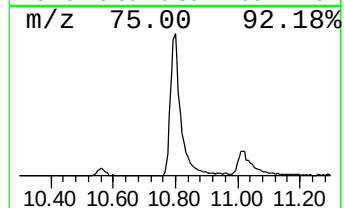
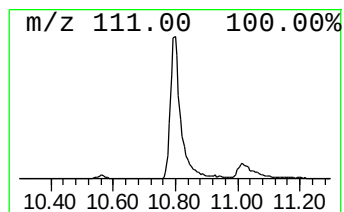
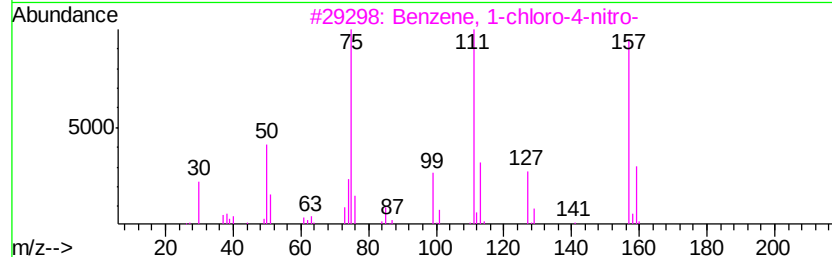
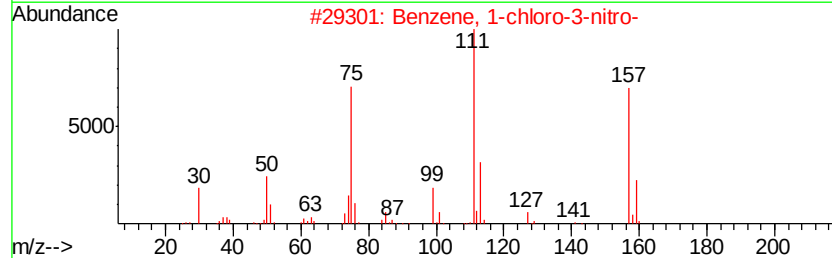
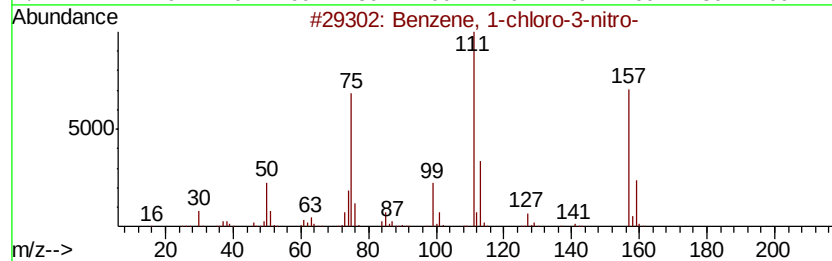
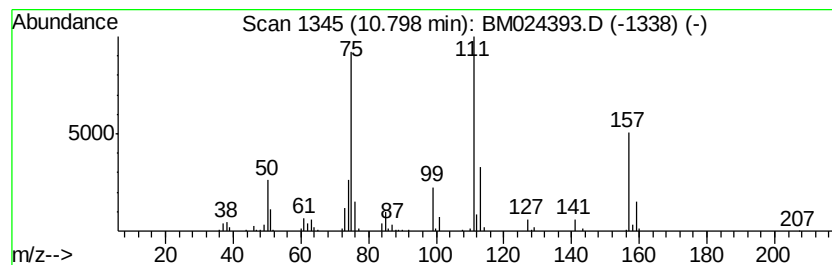
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Benzene, 1-chloro-3-nitro- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.80 | 8.88 ng/ul | 688361 | Naphthalene-d8   | 10.17 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 94   |
| 3    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 94   |
| 4    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 93   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 87   |



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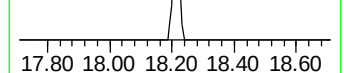
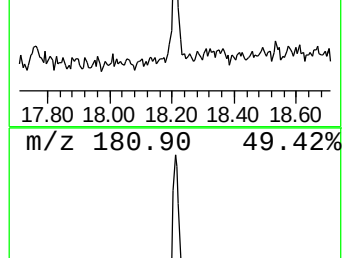
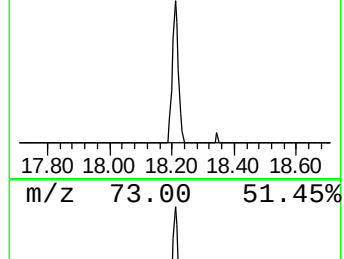
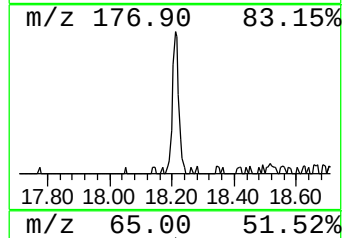
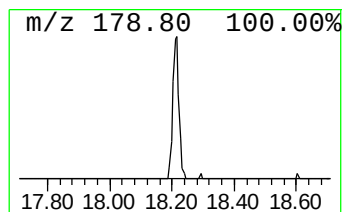
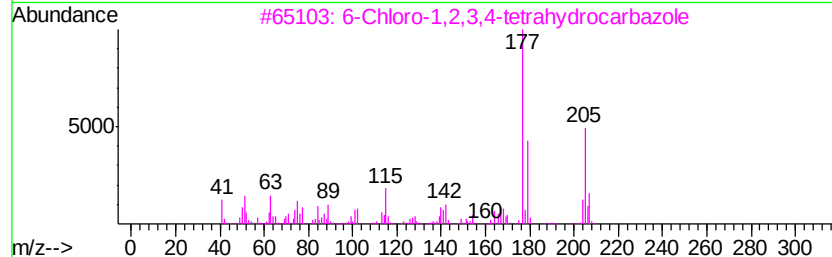
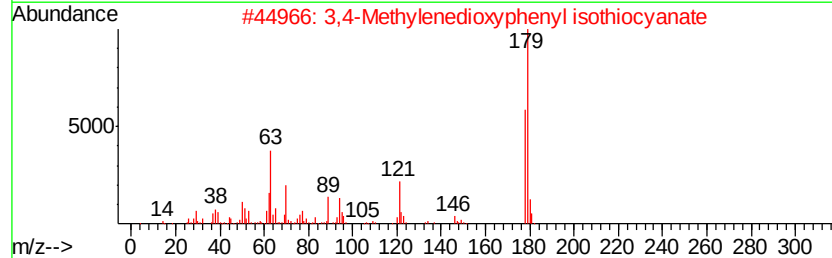
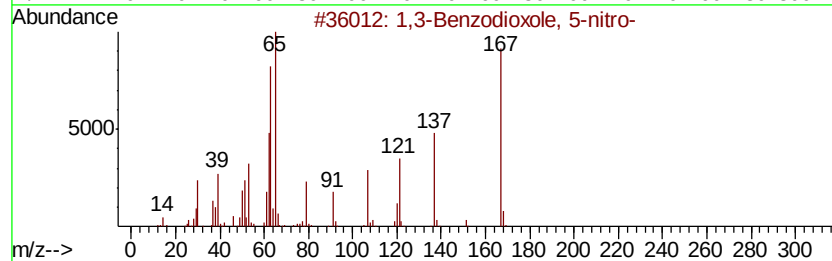
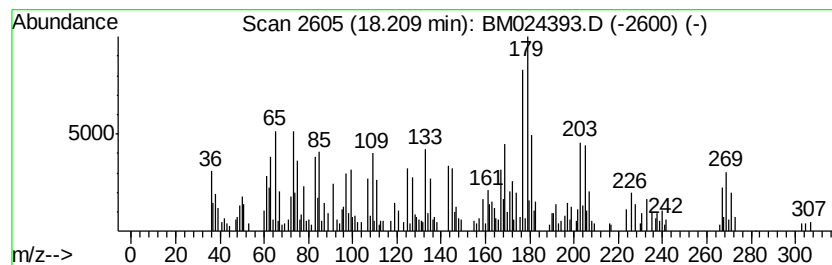
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.21 | 2.62 ng/ul | 285037 | Phenanthrene-d10 | 16.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 1,3-Benzodioxole, 5-nitro-          | 167 | C7H5NO4     | 002620-44-2  | 46   |
| 2    |    |   | 3,4-Methylenedioxyphenyl isothio... | 179 | C8H5NO2S    | 113504-93-1  | 27   |
| 3    |    |   | 6-Chloro-1,2,3,4-tetrahydrocarba... | 205 | C12H12ClN   | 036684-65-8  | 25   |
| 4    |    |   | trans-(2-Chlorovinyl)methyldieth... | 194 | C7H15ClO2Si | 1000139-96-9 | 22   |
| 5    |    |   | Benzothiazole-6-carboxylic acid     | 179 | C8H5NO2S    | 003622-35-3  | 22   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-chloro... | 10.80 | 8.9     | ng/ul | 688361   | 2                     | 10.17 | 1550960 | 20.0 |
| unknown-01           | 18.21 | 2.6     | ng/ul | 285037   | 4                     | 16.83 | 2172930 | 20.0 |