

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\  
 Data File : BM019429.D  
 Acq On : 25 Mar 2019 13:46  
 Operator : JU/SJ  
 Sample : K2022-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C09F2

## 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-BM032219MA.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         | 4.951       | 327           | 334         | 351          | rBV      | 11899596       | 16675771      | 25.63%          | 11.831%       |
| 2         | 6.787       | 641           | 646         | 657          | rBV      | 95323          | 166234        | 0.26%           | 0.118%        |
| 3         | 6.957       | 669           | 675         | 695          | rBV      | 372644         | 645630        | 0.99%           | 0.458%        |
| 4         | 7.139       | 700           | 706         | 719          | rVV      | 436222         | 712567        | 1.10%           | 0.506%        |
| 5         | 7.487       | 759           | 765         | 779          | rBV      | 1211453        | 1882856       | 2.89%           | 1.336%        |
| 6         | 7.604       | 779           | 785         | 786          | rVV      | 525088         | 670837        | 1.03%           | 0.476%        |
| 7         | 7.639       | 786           | 791         | 807          | rVB      | 4617284        | 7137701       | 10.97%          | 5.064%        |
| 8         | 7.969       | 834           | 847         | 853          | rBV      | 33311467       | 65055509      | 100.00%         | 46.154%       |
| 9         | 8.322       | 899           | 907         | 919          | rBV      | 270652         | 511013        | 0.79%           | 0.363%        |
| 10        | 8.775       | 978           | 984         | 997          | rBV      | 444152         | 785291        | 1.21%           | 0.557%        |
| 11        | 9.092       | 1033          | 1038        | 1046         | rBV2     | 71528          | 118815        | 0.18%           | 0.084%        |
| 12        | 9.486       | 1097          | 1105        | 1117         | rBV      | 368460         | 669965        | 1.03%           | 0.475%        |
| 13        | 10.016      | 1187          | 1195        | 1218         | rBV      | 489079         | 986706        | 1.52%           | 0.700%        |
| 14        | 10.257      | 1227          | 1236        | 1251         | rBV      | 10408408       | 17146131      | 26.36%          | 12.164%       |
| 15        | 10.386      | 1251          | 1258        | 1265         | rBV      | 723498         | 1147778       | 1.76%           | 0.814%        |
| 16        | 10.763      | 1315          | 1322        | 1338         | rBV      | 1584212        | 2721757       | 4.18%           | 1.931%        |
| 17        | 12.433      | 1595          | 1606        | 1617         | rBV      | 122803         | 242783        | 0.37%           | 0.172%        |
| 18        | 13.051      | 1705          | 1711        | 1721         | rBV      | 131639         | 215794        | 0.33%           | 0.153%        |
| 19        | 13.310      | 1749          | 1755        | 1766         | rBV      | 91916          | 211156        | 0.32%           | 0.150%        |
| 20        | 13.680      | 1812          | 1818        | 1831         | rBV      | 1051089        | 1516889       | 2.33%           | 1.076%        |
| 21        | 13.951      | 1858          | 1864        | 1877         | rBV      | 1249180        | 1932260       | 2.97%           | 1.371%        |
| 22        | 14.263      | 1911          | 1917        | 1928         | rBV2     | 985550         | 1486802       | 2.29%           | 1.055%        |
| 23        | 15.262      | 2081          | 2087        | 2097         | rBV      | 1680000        | 2401731       | 3.69%           | 1.704%        |
| 24        | 15.404      | 2106          | 2111        | 2124         | rBV      | 336180         | 540389        | 0.83%           | 0.383%        |
| 25        | 17.021      | 2380          | 2386        | 2396         | rBV      | 1227853        | 1712328       | 2.63%           | 1.215%        |
| 26        | 17.121      | 2396          | 2403        | 2420         | rBV      | 1761385        | 2633255       | 4.05%           | 1.868%        |
| 27        | 19.427      | 2789          | 2795        | 2809         | rBV      | 2254848        | 3024082       | 4.65%           | 2.145%        |
| 28        | 21.227      | 3096          | 3101        | 3110         | rBV      | 1473907        | 1963594       | 3.02%           | 1.393%        |
| 29        | 21.791      | 3194          | 3197        | 3201         | rBV      | 62968          | 65288         | 0.10%           | 0.046%        |
| 30        | 22.244      | 3271          | 3274        | 3282         | rVB2     | 119303         | 140198        | 0.22%           | 0.099%        |
| 31        | 22.738      | 3355          | 3358        | 3363         | rVB      | 131632         | 171230        | 0.26%           | 0.121%        |
| 32        | 23.297      | 3446          | 3453        | 3468         | rBV2     | 1885782        | 3423763       | 5.26%           | 2.429%        |
| 33        | 23.438      | 3471          | 3477        | 3489         | rVB      | 1071520        | 2059751       | 3.17%           | 1.461%        |
| 34        | 23.921      | 3556          | 3559        | 3564         | rVB3     | 113921         | 177474        | 0.27%           | 0.126%        |

## LSC Area Percent Report

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Instrument :  
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ClientSampleId :  
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Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0.1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Title : SVOA CALIBRATION

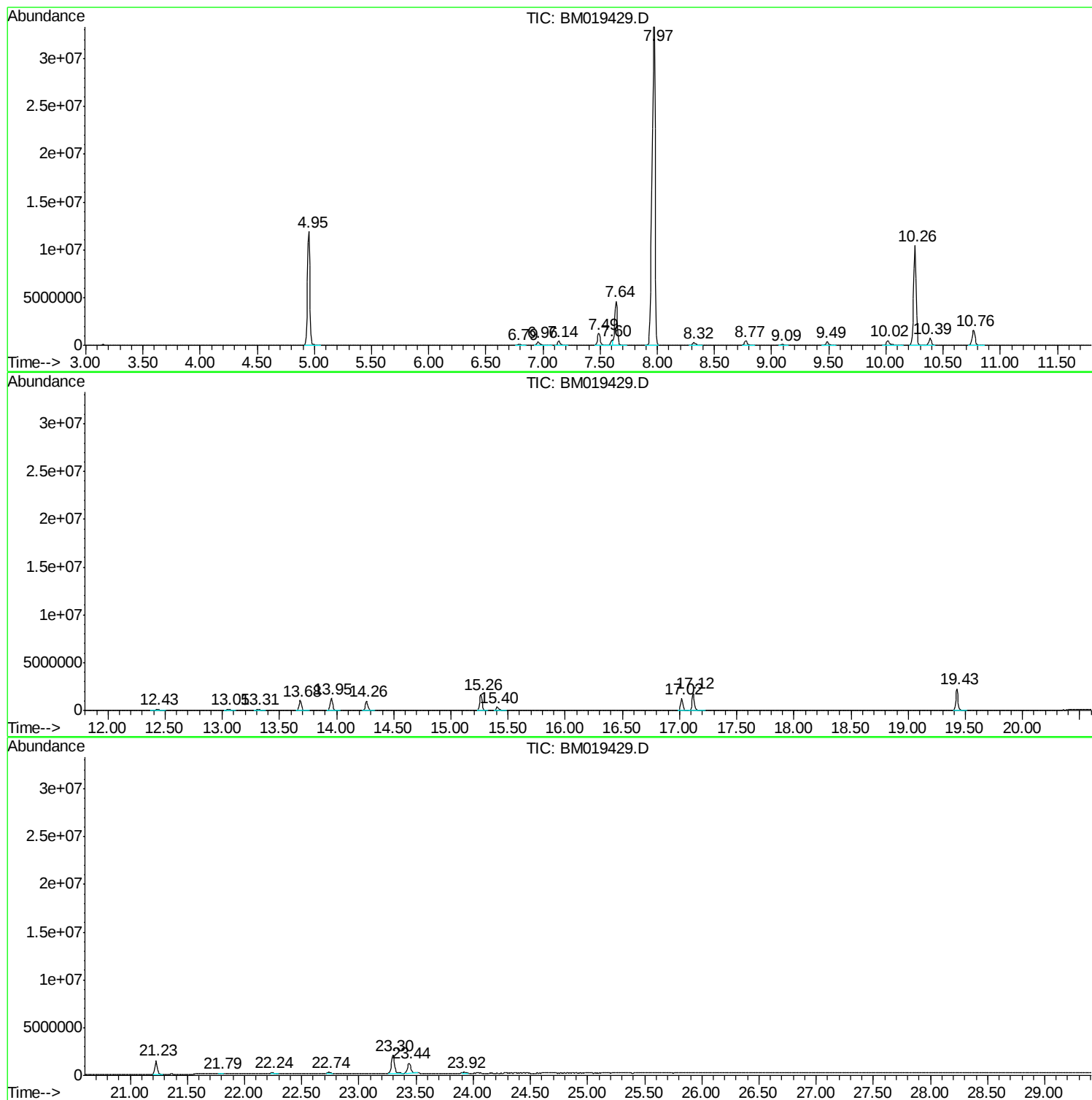
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

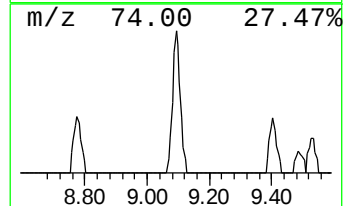
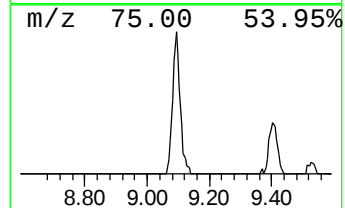
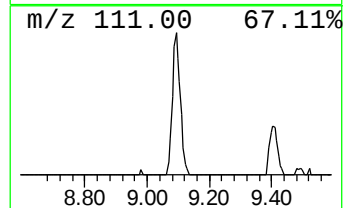
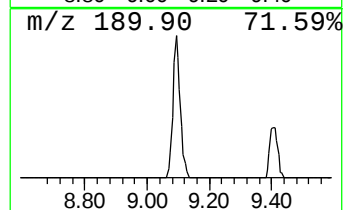
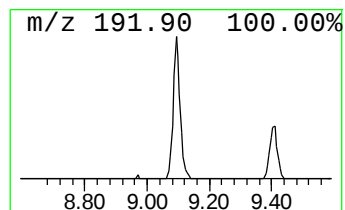
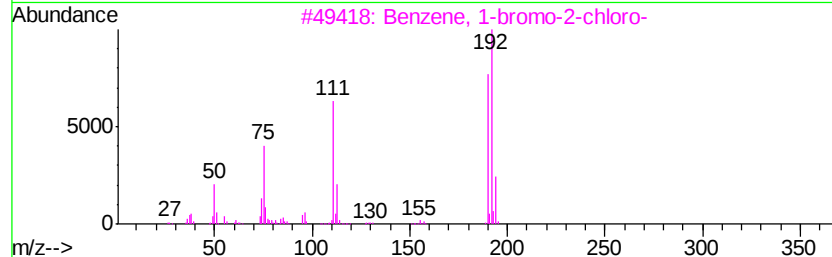
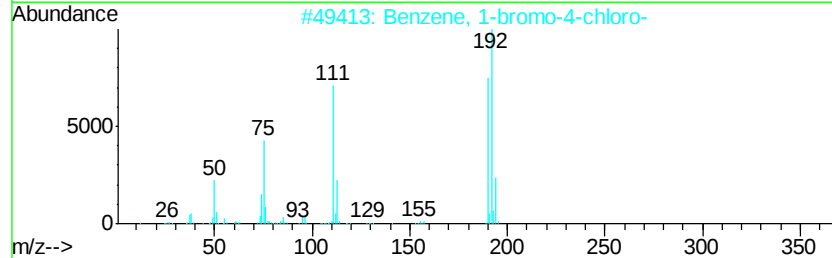
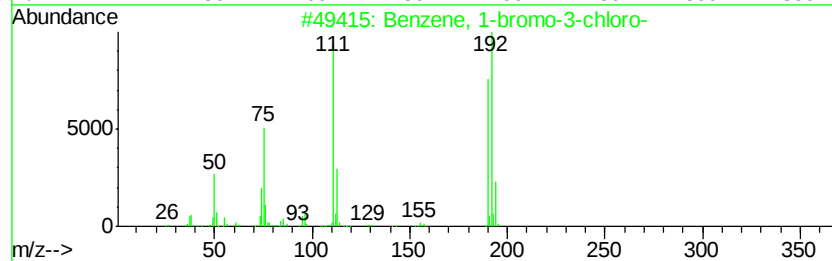
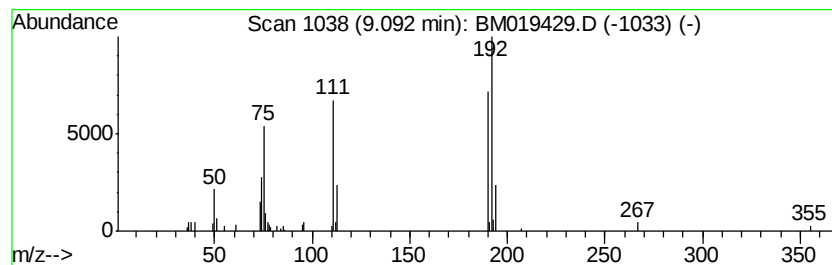
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1-bromo-3-chloro- Concentration Rank 7

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.09 | 2.07 ng/ul | 118815 | Napthalene-d8    | 10.39 |

| Hit# | of | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 96   |
| 2    |    | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 96   |
| 3    |    | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 96   |
| 4    |    | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 95   |
| 5    |    | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 93   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

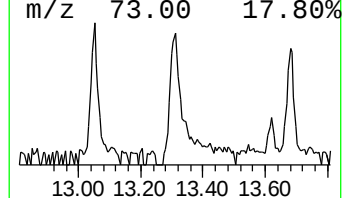
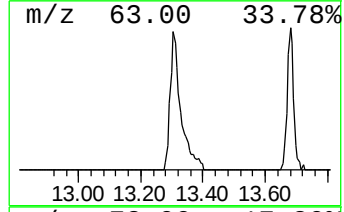
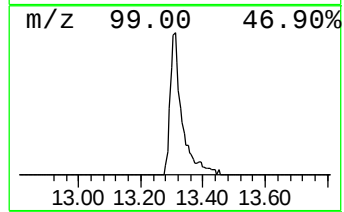
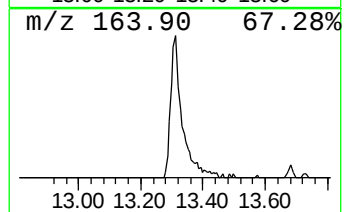
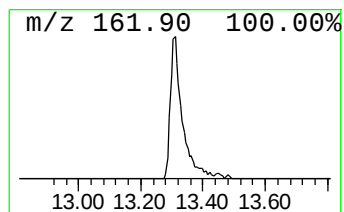
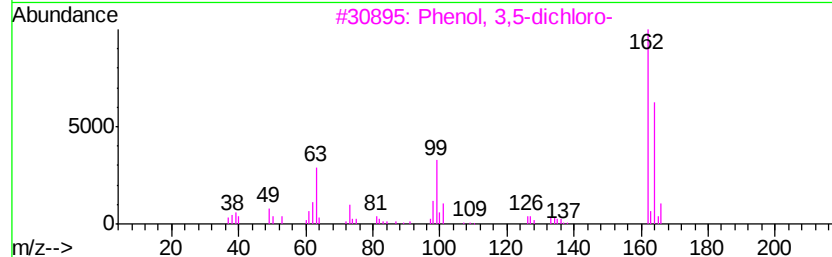
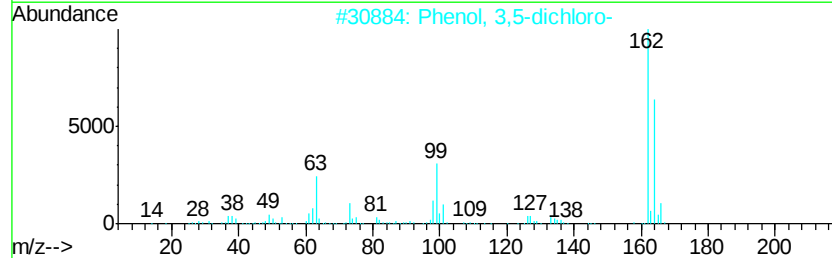
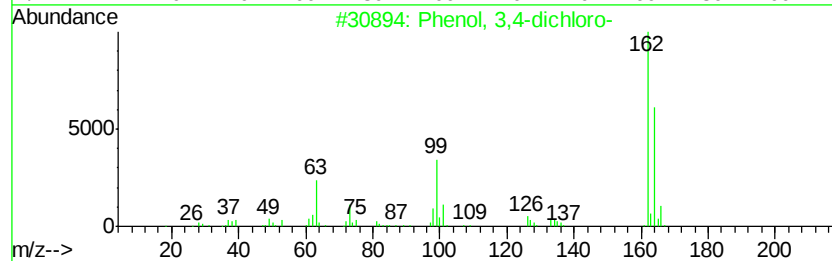
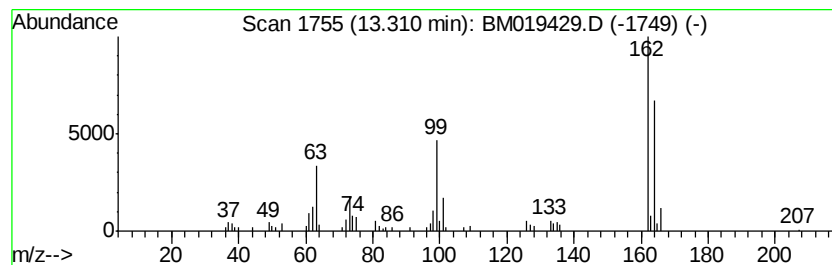
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenol, 3,4-dichloro- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 13.31 | 2.84 ng/ul | 211156 | Acenaphthene-d10 |  | 14.26 |

| Hit# | of      | 5             | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|---------|---------------|--------------|-----|----------|-------------|------|
| 1    | Phenol, | 3,4-dichloro- |              | 162 | C6H4Cl2O | 000095-77-2 | 97   |
| 2    | Phenol, | 3,5-dichloro- |              | 162 | C6H4Cl2O | 000591-35-5 | 94   |
| 3    | Phenol, | 3,5-dichloro- |              | 162 | C6H4Cl2O | 000591-35-5 | 91   |
| 4    | Phenol, | 3,5-dichloro- |              | 162 | C6H4Cl2O | 000591-35-5 | 91   |
| 5    | Phenol, | 3,4-dichloro- |              | 162 | C6H4Cl2O | 000095-77-2 | 91   |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                      |       |         |       |          | #                       | RT    | Resp    | Conc |
| Benzene, 1-bromo-... | 9.09  | 2.1     | ng/ul | 118815   | 2                       | 10.39 | 1147780 | 20.0 |
| Phenol, 3,4-dichl... | 13.31 | 2.8     | ng/ul | 211156   | 3                       | 14.26 | 1486800 | 20.0 |