

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121218\  
 Data File : BN003866.D  
 Acq On : 13 Dec 2018 00:04  
 Operator : JU/SJ  
 Sample : J6229-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F36

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 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\_N\METHODS\SOM-EPA-BN121218MA.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         | 3.017       | 3             | 5           | 28           | rVB      | 153543         | 235814        | 18.87%          | 2.889%        |
| 2         | 6.987       | 675           | 680         | 687          | rBB      | 21554          | 33694         | 2.70%           | 0.413%        |
| 3         | 7.164       | 705           | 710         | 720          | rBB      | 68119          | 106029        | 8.48%           | 1.299%        |
| 4         | 7.358       | 738           | 743         | 750          | rBB      | 69452          | 106578        | 8.53%           | 1.306%        |
| 5         | 7.834       | 818           | 824         | 829          | rBV      | 59668          | 94731         | 7.58%           | 1.161%        |
| 6         | 8.528       | 936           | 942         | 949          | rBB      | 59133          | 92590         | 7.41%           | 1.134%        |
| 7         | 8.922       | 1004          | 1009        | 1015         | rBB      | 27211          | 40268         | 3.22%           | 0.493%        |
| 8         | 8.999       | 1015          | 1022        | 1027         | rBV      | 89848          | 145848        | 11.67%          | 1.787%        |
| 9         | 9.710       | 1138          | 1143        | 1150         | rBB      | 73124          | 114501        | 9.16%           | 1.403%        |
| 10        | 10.240      | 1227          | 1233        | 1243         | rBB      | 111479         | 175239        | 14.02%          | 2.147%        |
| 11        | 10.528      | 1278          | 1282        | 1288         | rBB      | 19345          | 28108         | 2.25%           | 0.344%        |
| 12        | 10.628      | 1292          | 1299        | 1304         | rBV      | 103333         | 172279        | 13.78%          | 2.111%        |
| 13        | 11.281      | 1404          | 1410        | 1419         | rBB      | 55347          | 86956         | 6.96%           | 1.065%        |
| 14        | 13.387      | 1763          | 1768        | 1778         | rBV      | 201374         | 290417        | 23.24%          | 3.558%        |
| 15        | 13.869      | 1845          | 1850        | 1856         | rBV      | 269357         | 360619        | 28.85%          | 4.418%        |
| 16        | 14.163      | 1893          | 1900        | 1906         | rBV      | 298453         | 432275        | 34.59%          | 5.296%        |
| 17        | 14.469      | 1946          | 1952        | 1959         | rVB2     | 180419         | 270721        | 21.66%          | 3.317%        |
| 18        | 14.663      | 1980          | 1985        | 1996         | rBV      | 20927          | 35626         | 2.85%           | 0.436%        |
| 19        | 15.240      | 2078          | 2083        | 2087         | rBV      | 12542          | 15549         | 1.24%           | 0.190%        |
| 20        | 15.457      | 2114          | 2120        | 2129         | rBV      | 410897         | 579629        | 46.38%          | 7.101%        |
| 21        | 15.575      | 2135          | 2140        | 2147         | rVB      | 131338         | 169266        | 13.54%          | 2.074%        |
| 22        | 17.210      | 2412          | 2418        | 2426         | rVB      | 267874         | 360081        | 28.81%          | 4.411%        |
| 23        | 17.310      | 2428          | 2435        | 2445         | rBV      | 482472         | 667198        | 53.38%          | 8.174%        |
| 24        | 17.863      | 2524          | 2529        | 2533         | rBV      | 38253          | 39619         | 3.17%           | 0.485%        |
| 25        | 19.604      | 2819          | 2825        | 2833         | rBV      | 643576         | 865212        | 69.22%          | 10.599%       |
| 26        | 21.392      | 3124          | 3129        | 3137         | rVB      | 450204         | 551186        | 44.10%          | 6.752%        |
| 27        | 22.427      | 3301          | 3305        | 3311         | rVB2     | 12557          | 16381         | 1.31%           | 0.201%        |
| 28        | 22.945      | 3389          | 3393        | 3398         | rVB2     | 20382          | 28259         | 2.26%           | 0.346%        |
| 29        | 23.557      | 3488          | 3497        | 3507         | rVB      | 667187         | 1249864       | 100.00%         | 15.312%       |
| 30        | 23.704      | 3514          | 3522        | 3533         | rVB      | 354825         | 654735        | 52.38%          | 8.021%        |
| 31        | 24.198      | 3600          | 3606        | 3614         | rBV2     | 21359          | 41466         | 3.32%           | 0.508%        |
| 32        | 24.963      | 3731          | 3736        | 3743         | rVB2     | 21567          | 43744         | 3.50%           | 0.536%        |
| 33        | 25.857      | 3884          | 3888        | 3899         | rVB2     | 13966          | 31862         | 2.55%           | 0.390%        |
| 34        | 26.921      | 4064          | 4069        | 4076         | rVB2     | 10701          | 26457         | 2.12%           | 0.324%        |

## LSC Area Percent Report

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Sample : J6229-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F36

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 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\_N\METHODS\SOM-EPA-BN121218MA.M  
Title : SVOA CALIBRATION

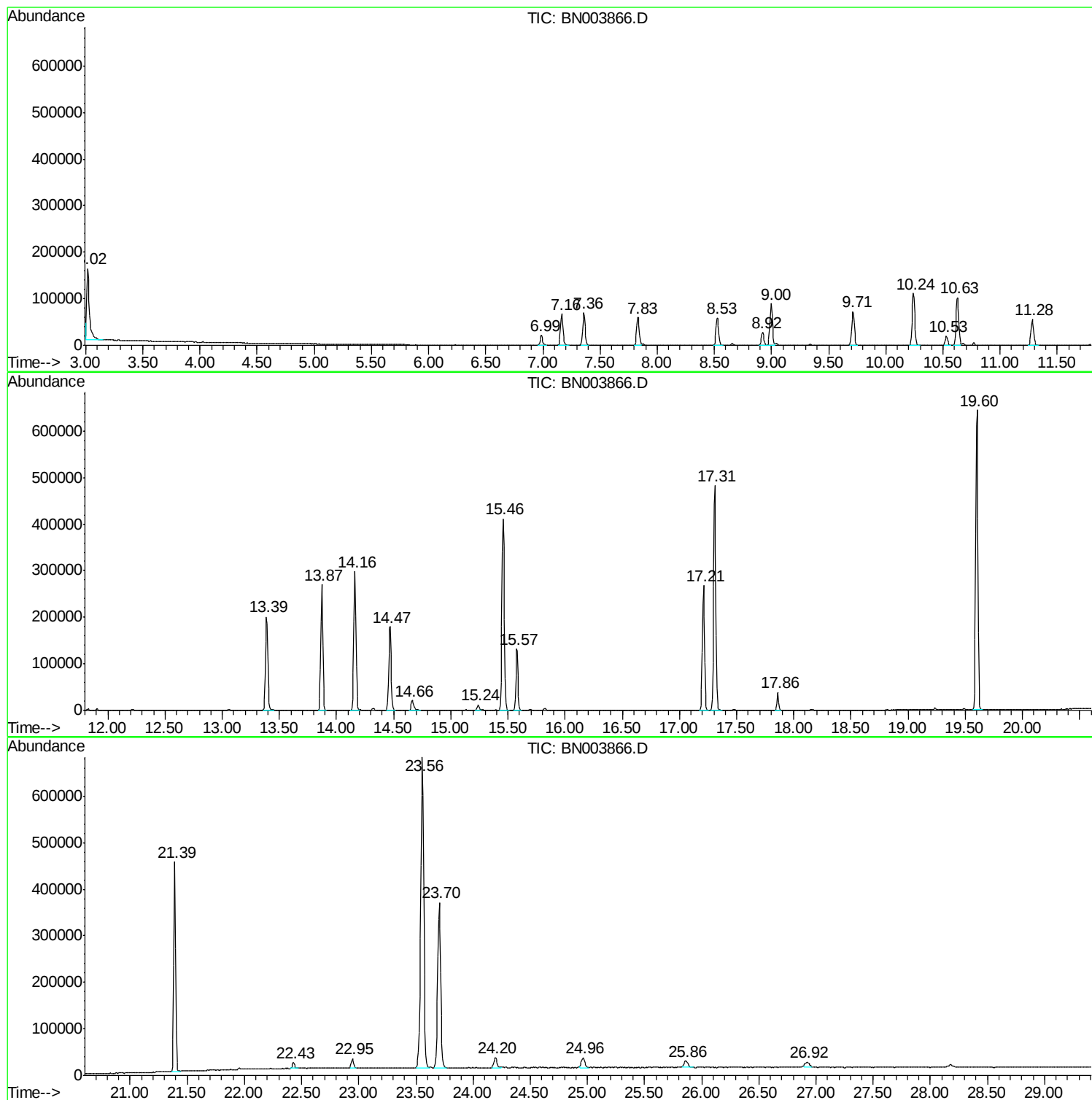
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

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



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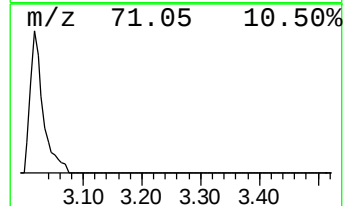
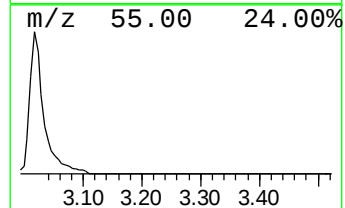
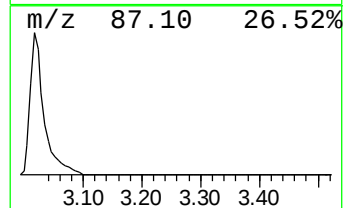
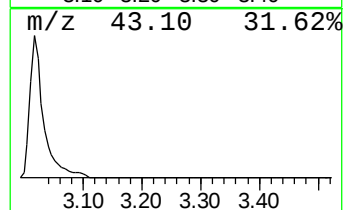
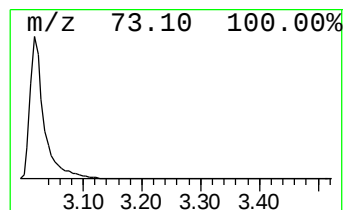
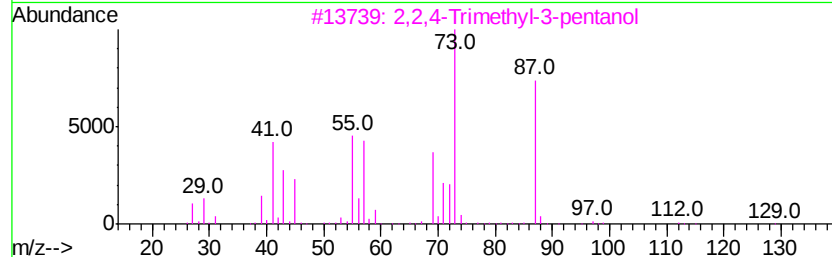
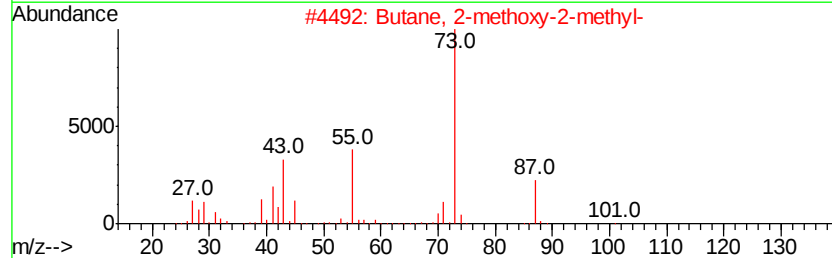
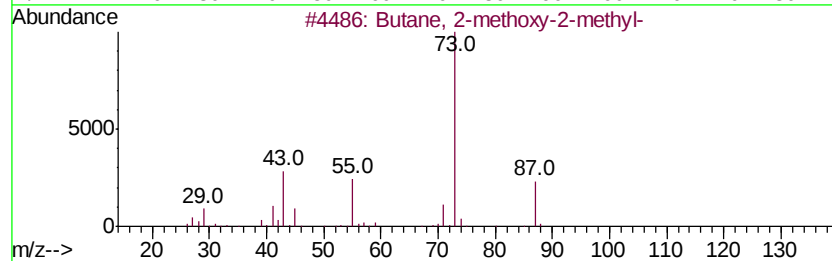
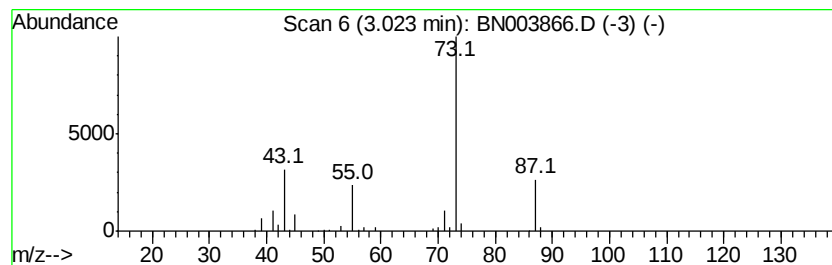
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Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.02 | 49.79 ng/ul | 235814 | 1,4-Dichlorobenzene-d4 | 7.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 86   |
| 2    |    | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 74   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol          | 130 | C8H18O  | 005162-48-1  | 39   |
| 4    |    | Silane, ethyltrimethyl-             | 102 | C5H14Si | 003439-38-1  | 33   |
| 5    |    | 1-(2-Methoxyethoxy)-2-methyl-2-p... | 162 | C8H18O3 | 1000364-24-4 | 25   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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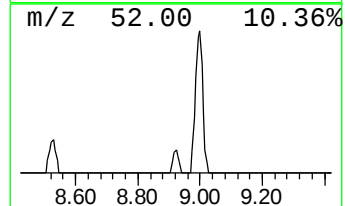
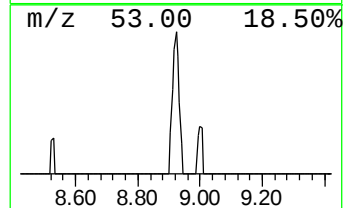
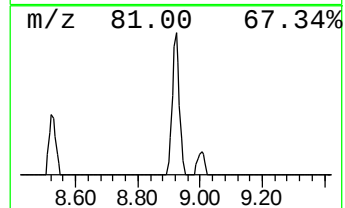
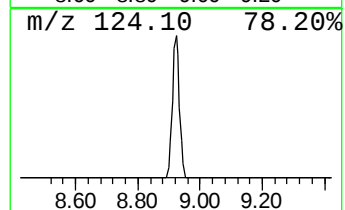
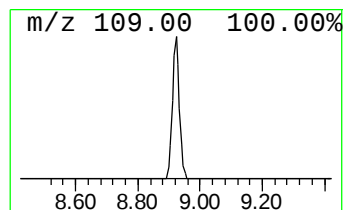
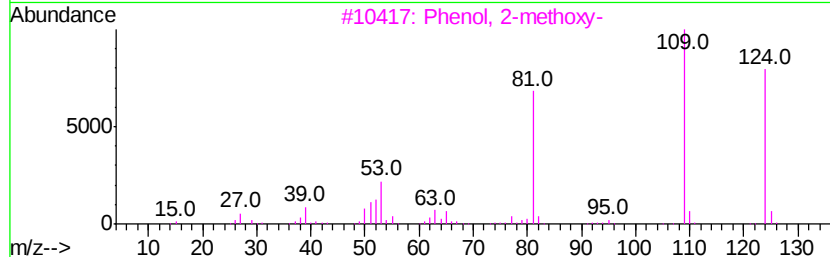
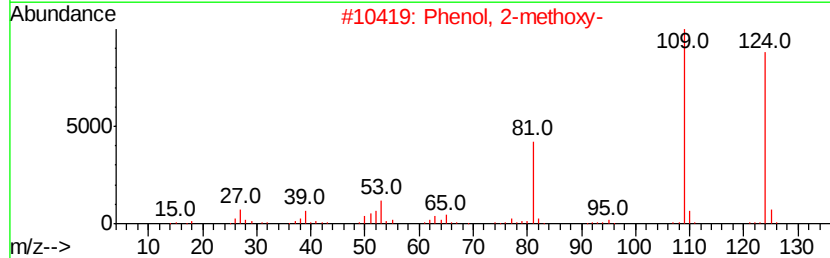
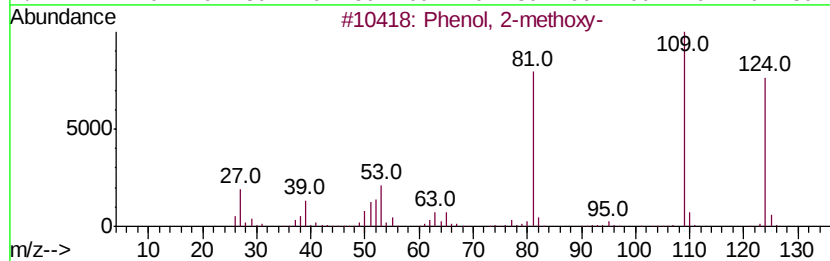
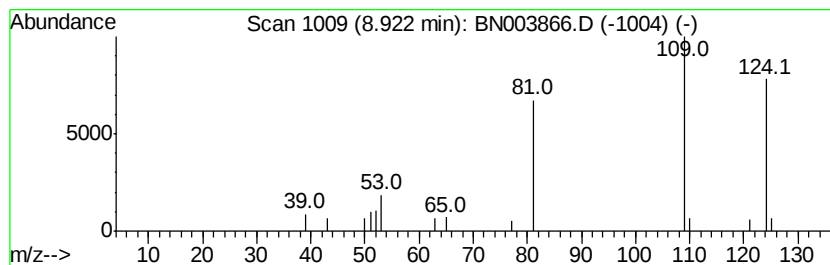
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Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Phenol, 2-methoxy- Concentration Rank 4

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 8.92 | 8.50 ng/ul | 40268 | 1,4-Dichlorobenzene-d4 | 7.83 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenol, 2-methoxy-                    | 124 | C7H8O2  | 000090-05-1 | 91   |
| 2    |    |   | Phenol, 2-methoxy-                    | 124 | C7H8O2  | 000090-05-1 | 91   |
| 3    |    |   | Phenol, 2-methoxy-                    | 124 | C7H8O2  | 000090-05-1 | 91   |
| 4    |    |   | Phenol, 2-methoxy-                    | 124 | C7H8O2  | 000090-05-1 | 86   |
| 5    |    |   | Ethanone, 1-(2-methyl-1-cyclopropyl)- | 124 | C8H12O  | 003168-90-9 | 83   |



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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

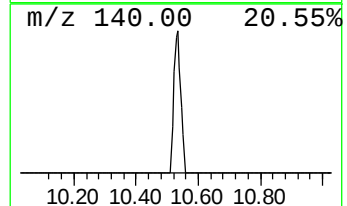
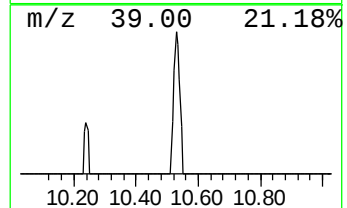
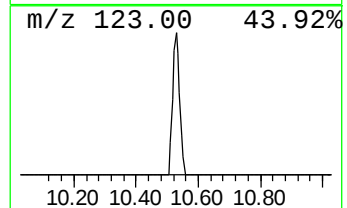
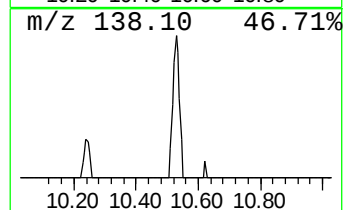
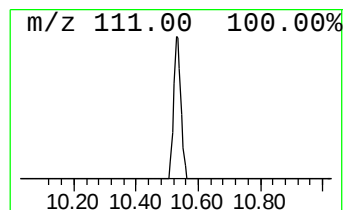
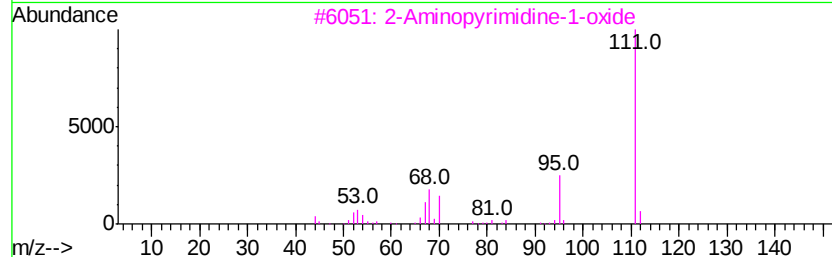
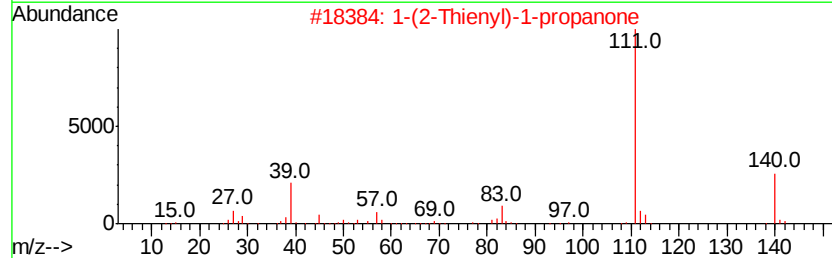
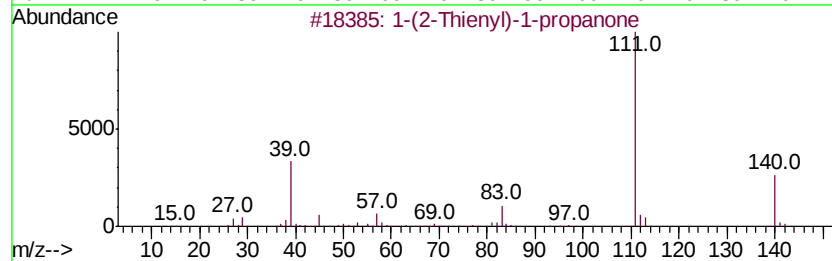
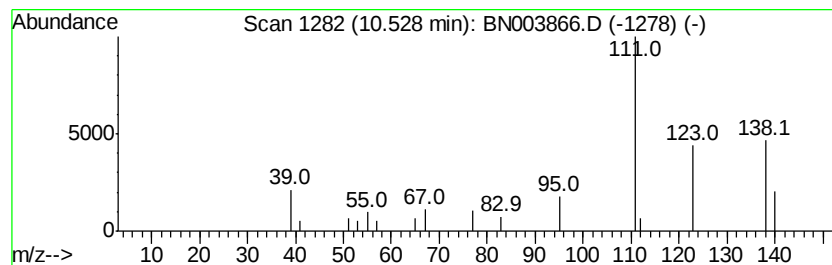
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown-01 Concentration Rank 5

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 10.53 | 3.26 ng/ul | 28108 | Naphthalene-d8   | 10.63 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-(2-Thienyl)-1-propanone     | 140 | C7H8OS  | 013679-75-9 | 38   |
| 2    |    | 1-(2-Thienyl)-1-propanone     | 140 | C7H8OS  | 013679-75-9 | 38   |
| 3    |    | 2-Aminopvrimidine-1-oxide     | 111 | C4H5N3O | 035034-15-2 | 35   |
| 4    |    | Thiophene, 2-methyl-5-propyl- | 140 | C8H12S  | 033933-73-2 | 32   |
| 5    |    | 1-(2-Thienyl)-1-propanone     | 140 | C7H8OS  | 013679-75-9 | 25   |



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Misc :  
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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

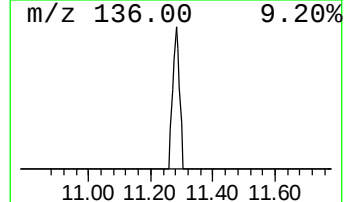
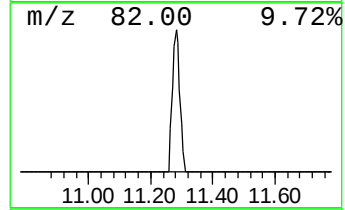
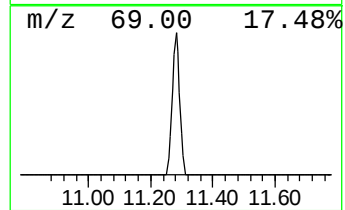
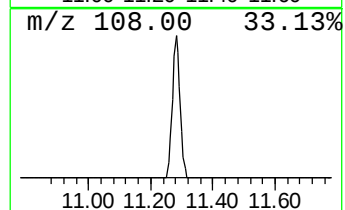
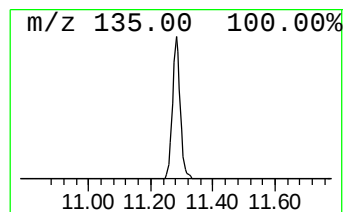
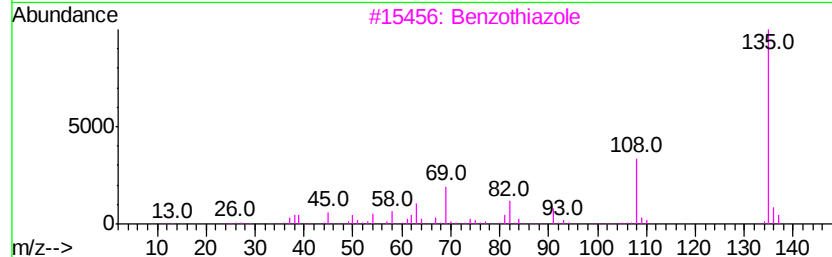
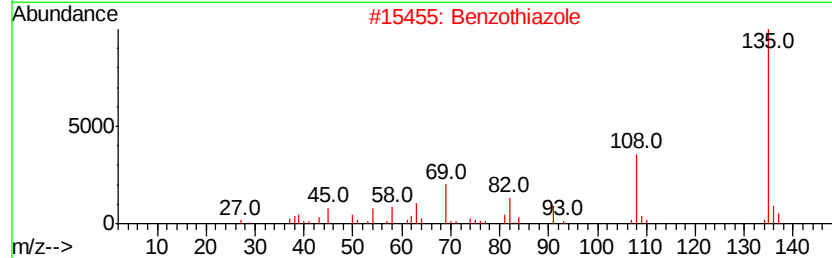
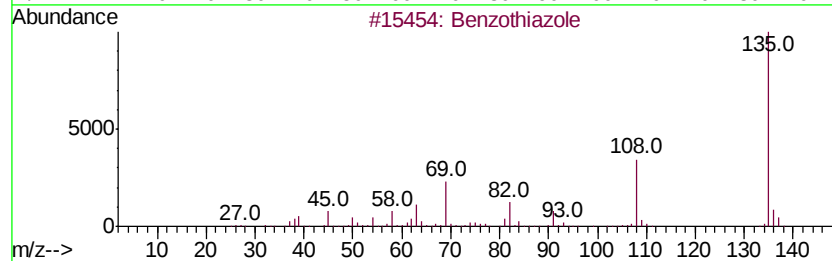
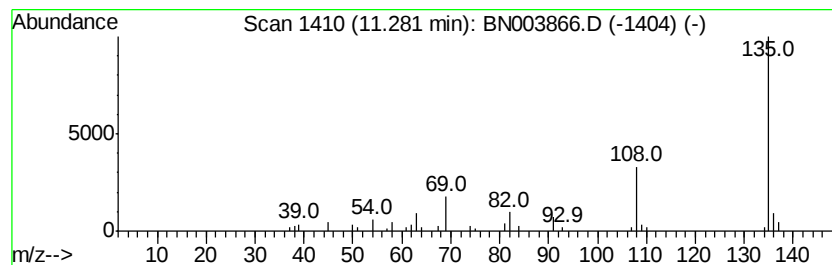
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzothiazole Concentration Rank 3

| R.T.  | EstConc     | Area  | Relative to ISTD | R.T.  |
|-------|-------------|-------|------------------|-------|
| 11.28 | 10.09 ng/ul | 86956 | Naphthalene-d8   | 10.63 |

| Hit# | of | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzothiazole                  | 135 | C7H5NS     | 000095-16-9 | 95   |
| 2    |    | Benzothiazole                  | 135 | C7H5NS     | 000095-16-9 | 95   |
| 3    |    | Benzothiazole                  | 135 | C7H5NS     | 000095-16-9 | 91   |
| 4    |    | 1,2-Benzisothiazole            | 135 | C7H5NS     | 000272-16-2 | 90   |
| 5    |    | 3-Allylbenzothiazolium bromide | 255 | C10H10BrNS | 016407-55-9 | 83   |



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Quant Title : SVOA CALIBRATION

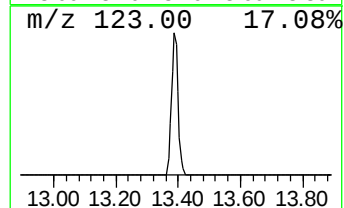
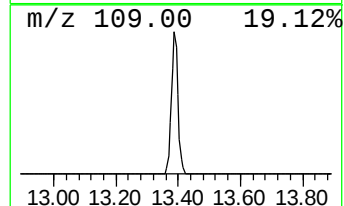
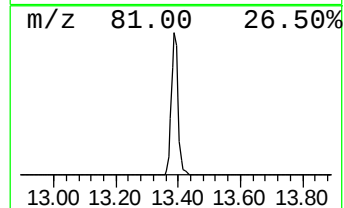
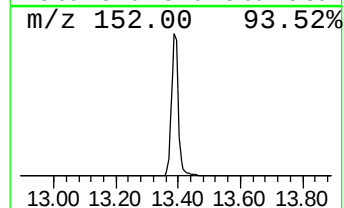
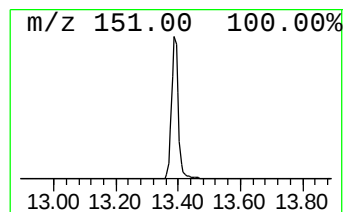
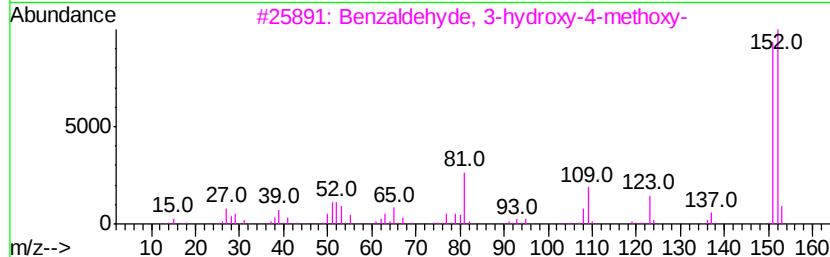
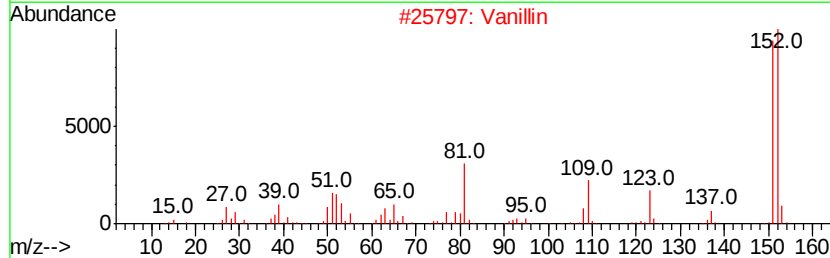
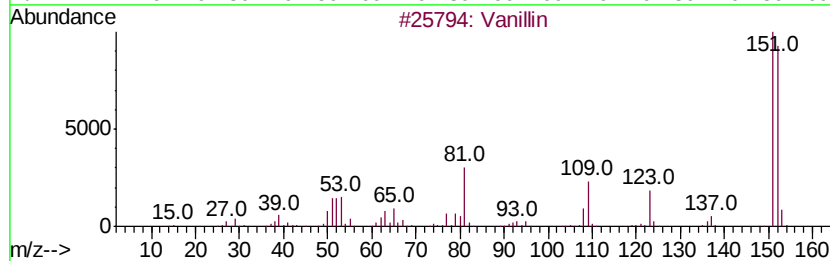
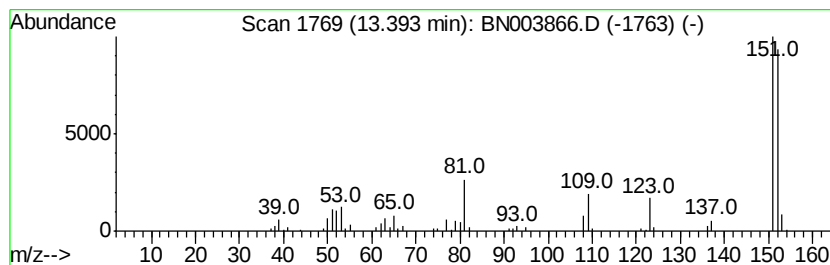
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Vanillin Concentration Rank 2

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 13.39 | 21.46 ng/ul | 290417 | Acenaphthene-d10 | 14.46 |

| Hit# of | 5                                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Vanillin                           |              | 152 | C8H8O3  | 000121-33-5 | 97   |
| 2       | Vanillin                           |              | 152 | C8H8O3  | 000121-33-5 | 97   |
| 3       | Benzaldehyde, 3-hydroxy-4-methoxy- |              | 152 | C8H8O3  | 000621-59-0 | 96   |
| 4       | Benzaldehyde, 3-hydroxy-4-methoxy- |              | 152 | C8H8O3  | 000621-59-0 | 96   |
| 5       | Vanillin                           |              | 152 | C8H8O3  | 000121-33-5 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121218\  
Data File : BN003866.D  
Acq On : 13 Dec 2018 00:04  
Operator : JU/SJ  
Sample : J6229-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F36

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

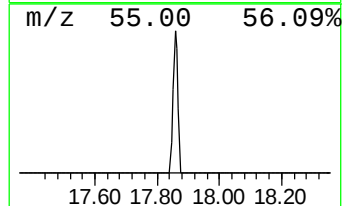
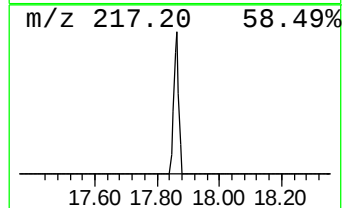
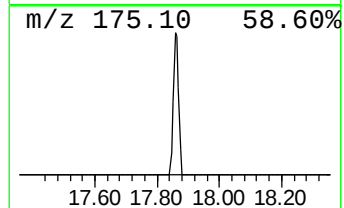
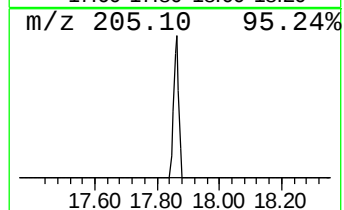
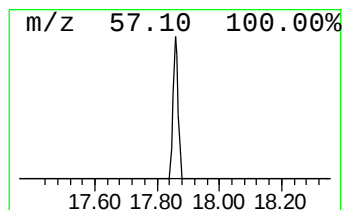
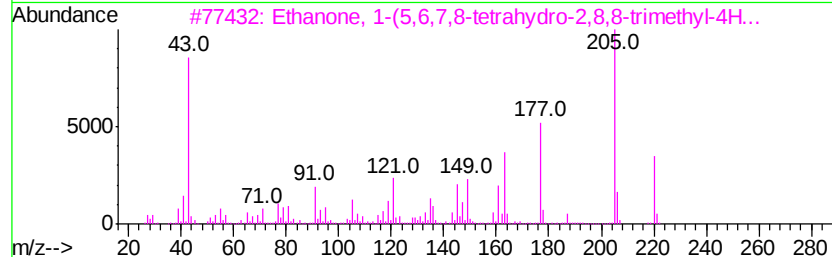
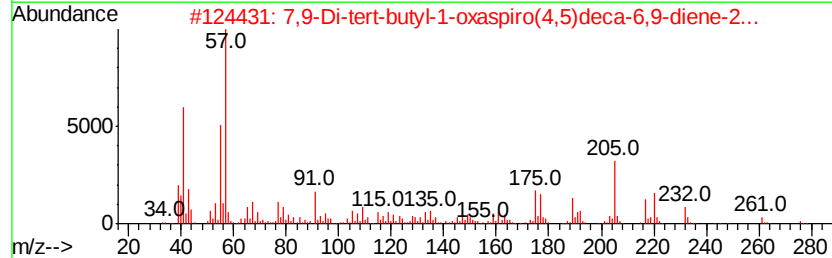
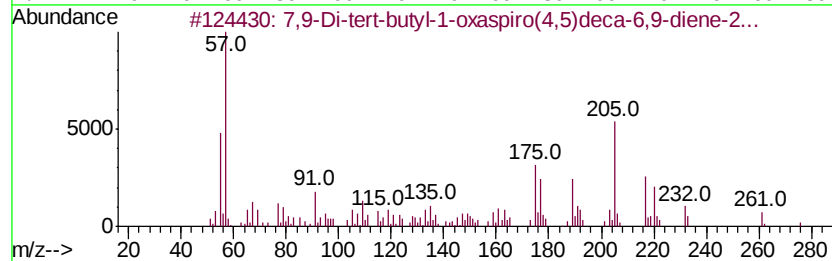
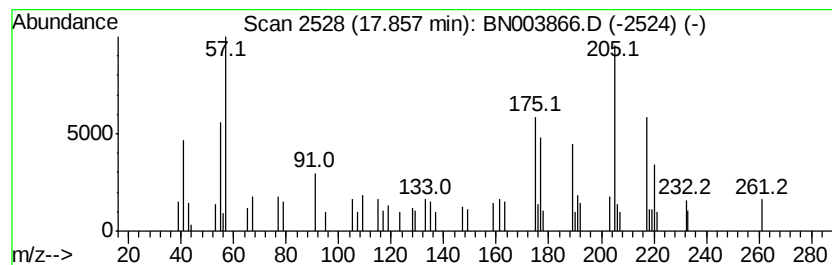
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 17.86 | 2.20 ng/ul | 39619 | Phenanthrene-d10 | 17.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 91   |
| 2    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 74   |
| 3    |    |   | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 41   |
| 4    |    |   | 2,5-di-tert-Butyl-1,4-benzoquinone  | 220 | C14H20O2 | 002460-77-7 | 35   |
| 5    |    |   | 2,5-Cyclohexadien-1-one, 2,6-bis... | 232 | C16H24O  | 006738-27-8 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121218\  
Data File : BN003866.D  
Acq On : 13 Dec 2018 00:04  
Operator : JU/SJ  
Sample : J6229-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F36

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.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 |
| Butane, 2-methoxy... | 3.02  | 49.8    | ng/ul | 235814   | 1                     | 7.83  | 94731  | 20.0 |
| Phenol, 2-methoxy-   | 8.92  | 8.5     | ng/ul | 40268    | 1                     | 7.83  | 94731  | 20.0 |
| unknown-01           | 10.53 | 3.3     | ng/ul | 28108    | 2                     | 10.63 | 172279 | 20.0 |
| Benzothiazole        | 11.28 | 10.1    | ng/ul | 86956    | 2                     | 10.63 | 172279 | 20.0 |
| Vanillin             | 13.39 | 21.5    | ng/ul | 290417   | 3                     | 14.46 | 270721 | 20.0 |
| 7,9-Di-tert-butyl... | 17.86 | 2.2     | ng/ul | 39619    | 4                     | 17.21 | 360081 | 20.0 |