

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121318\  
 Data File : BN003910.D  
 Acq On : 14 Dec 2018 02:21  
 Operator : JU/SJ  
 Sample : J6229-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F03

## 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           | 27           | rVB      | 369997         | 559492        | 55.52%          | 6.122%        |
| 2         | 3.805       | 136           | 139         | 147          | rVB      | 16092          | 24621         | 2.44%           | 0.269%        |
| 3         | 6.987       | 673           | 680         | 692          | rVB2     | 57261          | 104381        | 10.36%          | 1.142%        |
| 4         | 7.164       | 705           | 710         | 718          | rBB      | 49056          | 73361         | 7.28%           | 0.803%        |
| 5         | 7.358       | 738           | 743         | 750          | rBB      | 56210          | 85669         | 8.50%           | 0.937%        |
| 6         | 7.828       | 818           | 823         | 830          | rBB      | 83986          | 130353        | 12.93%          | 1.426%        |
| 7         | 8.528       | 937           | 942         | 948          | rBB      | 18243          | 26433         | 2.62%           | 0.289%        |
| 8         | 8.993       | 1016          | 1021        | 1029         | rBB      | 60767          | 99188         | 9.84%           | 1.085%        |
| 9         | 9.710       | 1138          | 1143        | 1150         | rBB      | 51061          | 78804         | 7.82%           | 0.862%        |
| 10        | 10.240      | 1228          | 1233        | 1242         | rBB      | 72651          | 114363        | 11.35%          | 1.251%        |
| 11        | 10.622      | 1292          | 1298        | 1307         | rBB      | 149983         | 244778        | 24.29%          | 2.679%        |
| 12        | 10.769      | 1317          | 1323        | 1338         | rBB      | 44436          | 74703         | 7.41%           | 0.817%        |
| 13        | 13.869      | 1845          | 1850        | 1854         | rBV      | 187329         | 238794        | 23.69%          | 2.613%        |
| 14        | 13.916      | 1854          | 1858        | 1863         | rVB      | 34959          | 45538         | 4.52%           | 0.498%        |
| 15        | 14.157      | 1893          | 1899        | 1909         | rBV      | 199082         | 292960        | 29.07%          | 3.206%        |
| 16        | 14.469      | 1946          | 1952        | 1958         | rBV2     | 245707         | 381160        | 37.82%          | 4.171%        |
| 17        | 14.663      | 1980          | 1985        | 1997         | rBV      | 73606          | 108724        | 10.79%          | 1.190%        |
| 18        | 15.457      | 2114          | 2120        | 2126         | rBV      | 293050         | 397823        | 39.47%          | 4.353%        |
| 19        | 15.581      | 2136          | 2141        | 2147         | rBV      | 62082          | 76505         | 7.59%           | 0.837%        |
| 20        | 17.210      | 2412          | 2418        | 2423         | rBV      | 375442         | 516503        | 51.25%          | 5.652%        |
| 21        | 17.251      | 2423          | 2425        | 2429         | rVV      | 18264          | 19572         | 1.94%           | 0.214%        |
| 22        | 17.304      | 2429          | 2434        | 2446         | rVB      | 289775         | 421449        | 41.82%          | 4.612%        |
| 23        | 18.075      | 2561          | 2565        | 2570         | rBV2     | 25428          | 32243         | 3.20%           | 0.353%        |
| 24        | 18.275      | 2593          | 2599        | 2603         | rBV2     | 6868           | 12661         | 1.26%           | 0.139%        |
| 25        | 19.263      | 2762          | 2767        | 2773         | rVB      | 80014          | 101492        | 10.07%          | 1.111%        |
| 26        | 19.357      | 2779          | 2783        | 2790         | rBV2     | 12154          | 18839         | 1.87%           | 0.206%        |
| 27        | 19.504      | 2803          | 2808        | 2813         | rVB3     | 16482          | 20715         | 2.06%           | 0.227%        |
| 28        | 19.598      | 2818          | 2824        | 2836         | rVB2     | 468476         | 702843        | 69.74%          | 7.691%        |
| 29        | 19.951      | 2879          | 2884        | 2890         | rBV4     | 7737           | 14962         | 1.48%           | 0.164%        |
| 30        | 20.122      | 2901          | 2913        | 2917         | rBV3     | 21969          | 62189         | 6.17%           | 0.681%        |
| 31        | 20.222      | 2926          | 2930        | 2934         | rBV4     | 9351           | 16918         | 1.68%           | 0.185%        |
| 32        | 20.275      | 2934          | 2939        | 2943         | rVB3     | 13365          | 25133         | 2.49%           | 0.275%        |
| 33        | 20.463      | 2967          | 2971        | 2981         | rVB5     | 12451          | 24125         | 2.39%           | 0.264%        |
| 34        | 20.551      | 2982          | 2986        | 2989         | rBV2     | 14916          | 15418         | 1.53%           | 0.169%        |

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ALS Vial : 24 Sample Multiplier: 1

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## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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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

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 20.757 | 3006 | 3021 | 3037 | rBV2 | 32669  | 189251  | 18.78%  | 2.071%  |
| 36 | 20.869 | 3037 | 3040 | 3044 | rVB  | 15061  | 18926   | 1.88%   | 0.207%  |
| 37 | 21.033 | 3064 | 3068 | 3071 | rBV3 | 9468   | 12387   | 1.23%   | 0.136%  |
| 38 | 21.075 | 3072 | 3075 | 3079 | rBV3 | 18135  | 28315   | 2.81%   | 0.310%  |
| 39 | 21.163 | 3087 | 3090 | 3094 | rVB  | 16398  | 22108   | 2.19%   | 0.242%  |
| 40 | 21.280 | 3107 | 3110 | 3115 | rVB5 | 7559   | 10333   | 1.03%   | 0.113%  |
| 41 | 21.386 | 3121 | 3128 | 3132 | rBV  | 720563 | 960863  | 95.34%  | 10.515% |
| 42 | 21.422 | 3132 | 3134 | 3142 | rVV  | 67136  | 88221   | 8.75%   | 0.965%  |
| 43 | 21.504 | 3145 | 3148 | 3151 | rVB2 | 13034  | 14007   | 1.39%   | 0.153%  |
| 44 | 21.710 | 3179 | 3183 | 3186 | rBV2 | 7761   | 10876   | 1.08%   | 0.119%  |
| 45 | 21.945 | 3217 | 3223 | 3229 | rBV2 | 36296  | 61447   | 6.10%   | 0.672%  |
| 46 | 21.998 | 3230 | 3232 | 3237 | rVB4 | 12833  | 16991   | 1.69%   | 0.186%  |
| 47 | 22.422 | 3300 | 3304 | 3316 | rBV4 | 41694  | 85652   | 8.50%   | 0.937%  |
| 48 | 22.939 | 3388 | 3392 | 3397 | rVB  | 46615  | 66556   | 6.60%   | 0.728%  |
| 49 | 22.998 | 3397 | 3402 | 3407 | rBV2 | 53644  | 118426  | 11.75%  | 1.296%  |
| 50 | 23.551 | 3482 | 3496 | 3502 | rBV  | 434383 | 941339  | 93.40%  | 10.301% |
| 51 | 23.704 | 3513 | 3522 | 3528 | rBV  | 512133 | 1007806 | 100.00% | 11.028% |
| 52 | 24.186 | 3599 | 3604 | 3611 | rBV3 | 41878  | 82536   | 8.19%   | 0.903%  |
| 53 | 24.951 | 3729 | 3734 | 3743 | rVB  | 35980  | 73888   | 7.33%   | 0.809%  |
| 54 | 25.851 | 3883 | 3887 | 3898 | rVB3 | 22882  | 54446   | 5.40%   | 0.596%  |
| 55 | 26.045 | 3913 | 3920 | 3930 | rVB2 | 22628  | 64048   | 6.36%   | 0.701%  |
| 56 | 26.221 | 3946 | 3950 | 3957 | rVB6 | 20657  | 47250   | 4.69%   | 0.517%  |

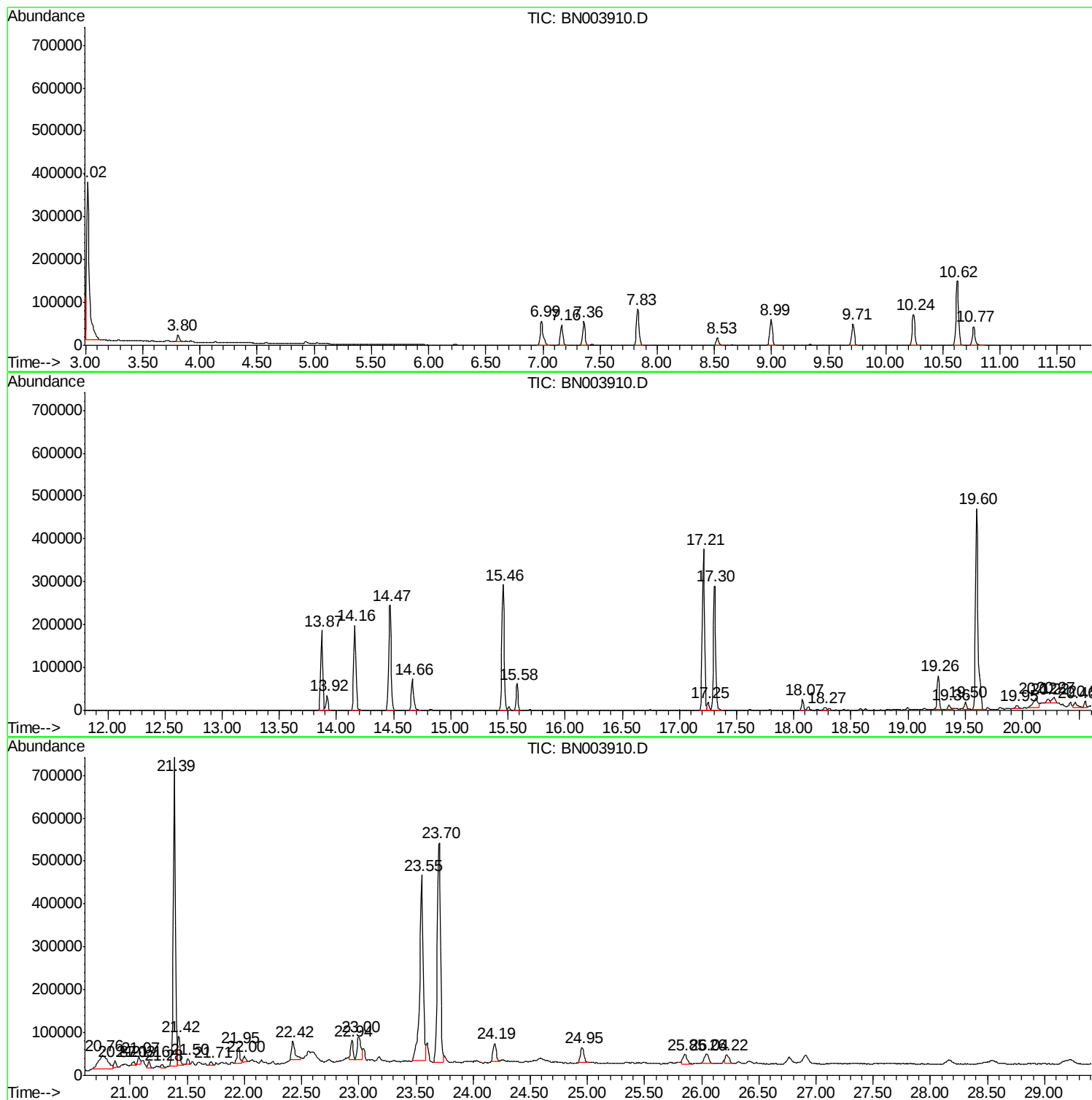
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

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



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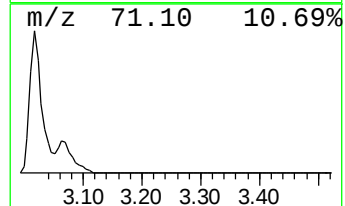
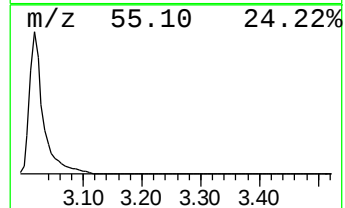
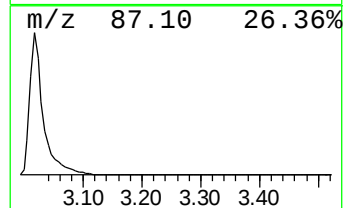
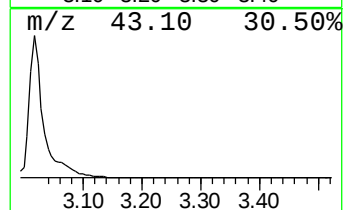
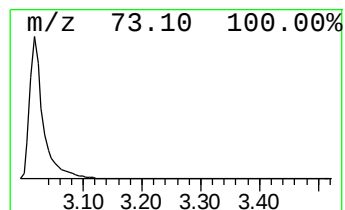
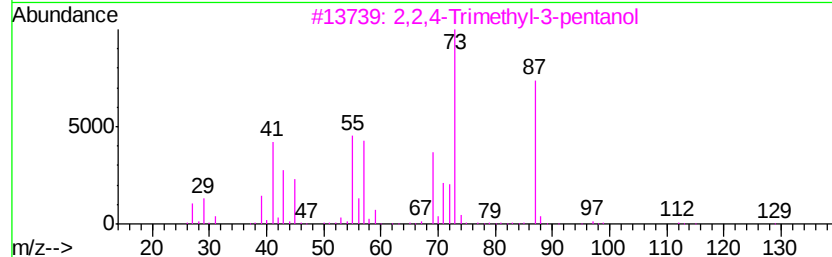
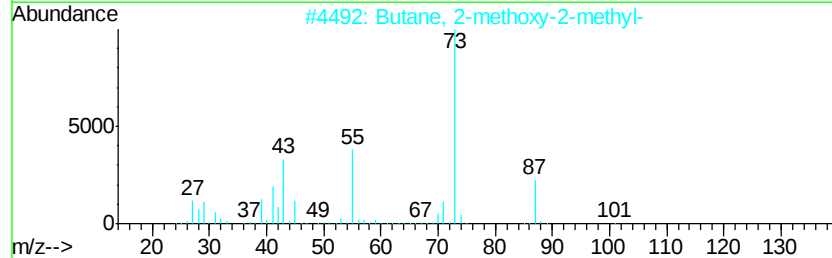
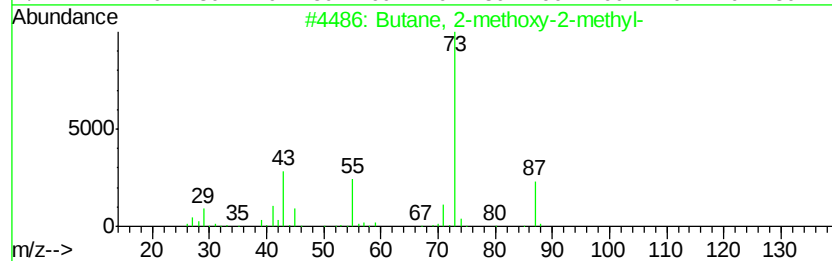
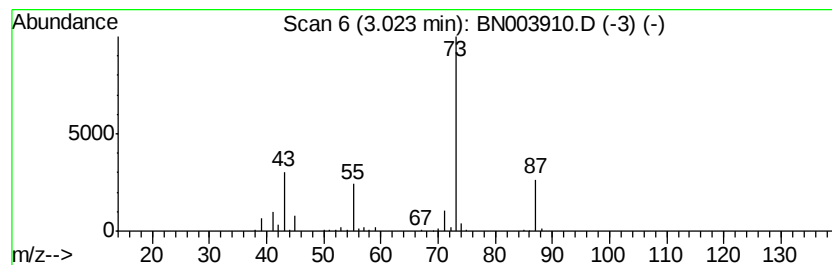
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 3.02 | 85.84 ng/ul | 559492 | 1,4-Dichlorobenzene-d4 | 7.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 86   |
| 2    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O  | 000994-05-8  | 78   |
| 3    |    |   | 2,2,4-Trimethyl-3-pentanol          | 130 | C8H18O  | 005162-48-1  | 40   |
| 4    |    |   | 1-(2-Methoxyethoxy)-2-methyl-2-p... | 162 | C8H18O3 | 1000364-24-4 | 23   |
| 5    |    |   | Pentane, 3-methoxy-                 | 102 | C6H14O  | 036839-67-5  | 17   |



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

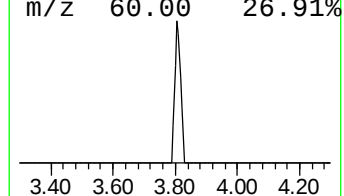
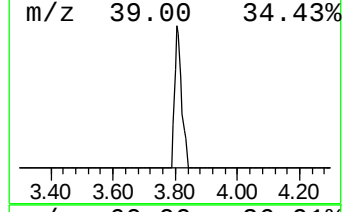
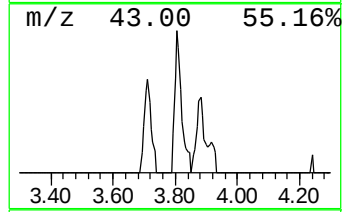
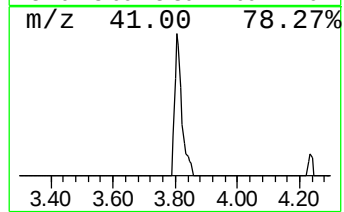
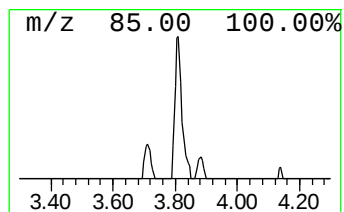
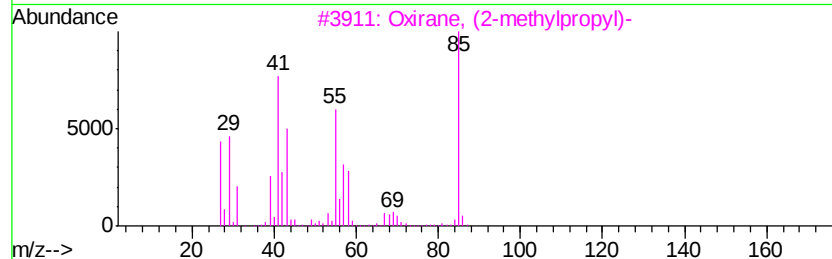
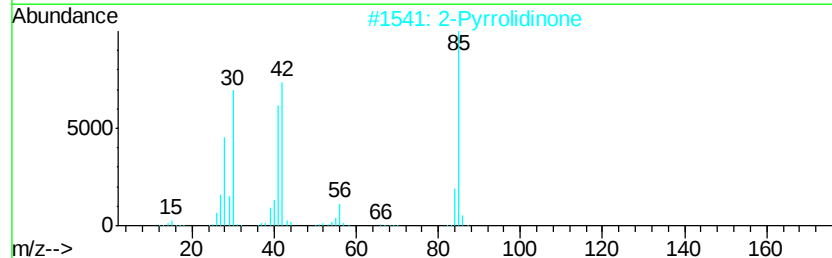
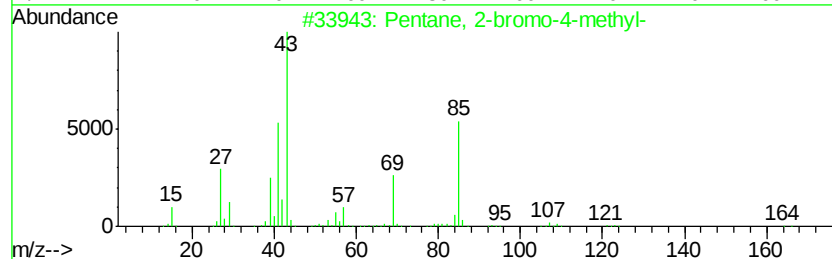
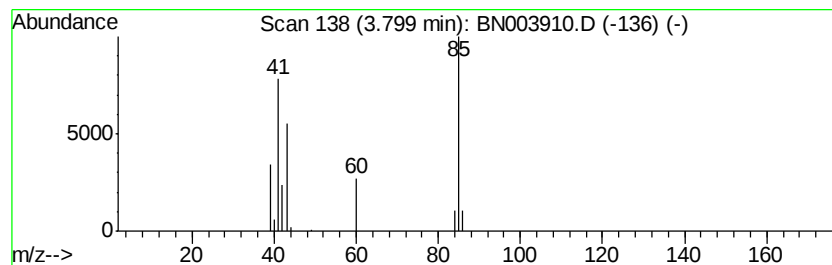
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 3.80 | 3.78 ng/ul | 24621 | 1,4-Dichlorobenzene-d4 | 7.83 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Pentane, 2-bromo-4-methyl-        | 164 | C6H13Br | 030310-22-6  | 40   |
| 2    |    | 2-Pyrrolidinone                   | 85  | C4H7NO  | 000616-45-5  | 9    |
| 3    |    | Oxirane, (2-methylpropyl)-        | 100 | C6H12O  | 023850-78-4  | 9    |
| 4    |    | 2(3H)-Furanone, 5-ethylidihydro-  | 114 | C6H10O2 | 000695-06-7  | 9    |
| 5    |    | Ethane-1,2-diimine, N,N'-diamino- | 86  | C2H6N4  | 1000197-11-5 | 7    |



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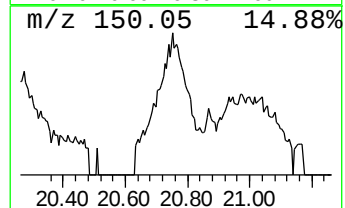
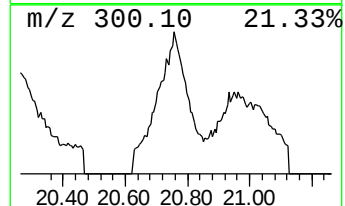
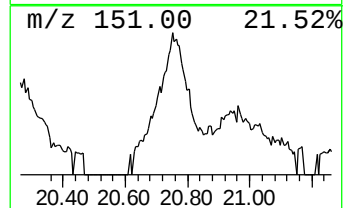
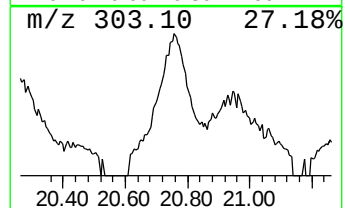
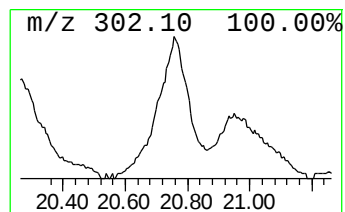
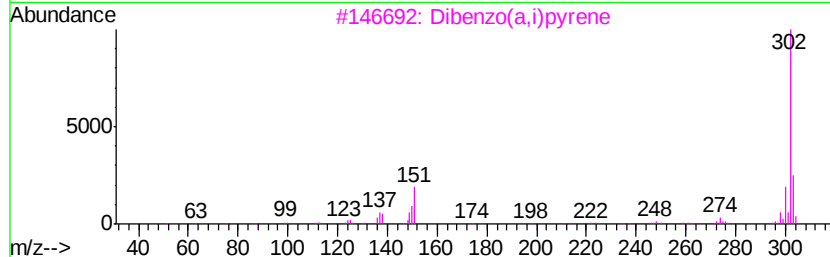
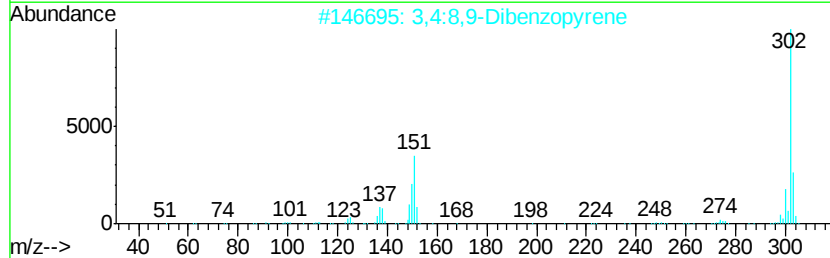
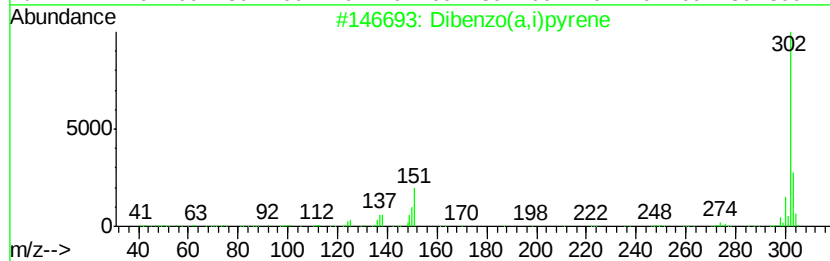
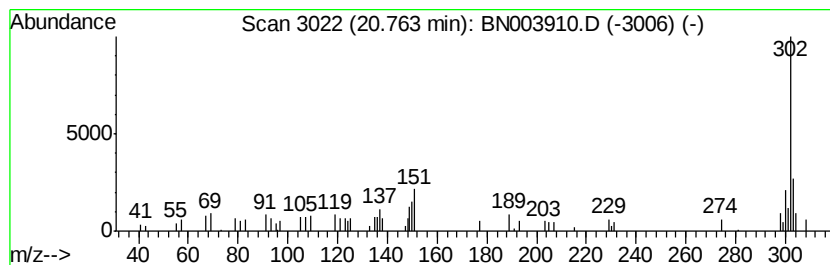
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Dibenzo(a,i)pyrene Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.            |
|---------|------------|-------------------------------------|------------------|-----------------|
| 20.76   | 3.94 ng/ul | 189251                              | Chrysene-d12     | 21.39           |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |            | Dibenzo(a,i)pyrene                  | 302 C24H14       | 000189-55-9 93  |
| 2       |            | 3,4:8,9-Dibenzopyrene               | 302 C24H14       | 000189-64-0 76  |
| 3       |            | Dibenzo(a,i)pyrene                  | 302 C24H14       | 000189-55-9 70  |
| 4       |            | 1,2:4,5-Dibenzopyrene               | 302 C24H14       | 000192-65-4 64  |
| 5       |            | 1H-Imidazo[4,5-b]phenazine, 2-(2... | 302 C17H10N4S    | 1000319-15-8 64 |



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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.02  | 85.8    | ng/ul | 559492   | 1                     | 7.83  | 130353 | 20.0 |
| unknown-01           | 3.80  | 3.8     | ng/ul | 24621    | 1                     | 7.83  | 130353 | 20.0 |
| Dibenzo(a,i)pyrene   | 20.76 | 3.9     | ng/ul | 189251   | 5                     | 21.39 | 960863 | 20.0 |