

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
 Data File : BN009646.D  
 Acq On : 07 Feb 2020 13:48  
 Operator : CG/JU  
 Sample : L1324-17DL 10X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAT72DL

## 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\_N\METHODS\SOM-EPA-BN020320MA.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         | 5.016       | 340           | 345         | 350          | rVV      | 28790          | 40298         | 1.24%           | 0.113%        |
| 2         | 5.493       | 419           | 426         | 433          | rVB4     | 24145          | 54987         | 1.69%           | 0.155%        |
| 3         | 6.646       | 618           | 622         | 626          | rVV3     | 22547          | 42860         | 1.32%           | 0.121%        |
| 4         | 6.799       | 643           | 648         | 654          | rBV      | 19190          | 33120         | 1.02%           | 0.093%        |
| 5         | 6.981       | 674           | 679         | 686          | rVB2     | 30627          | 48831         | 1.50%           | 0.137%        |
| 6         | 7.099       | 692           | 699         | 707          | rBV2     | 65351          | 116466        | 3.58%           | 0.328%        |
| 7         | 7.434       | 749           | 756         | 768          | rBV      | 699493         | 1088144       | 33.45%          | 3.060%        |
| 8         | 7.957       | 838           | 845         | 854          | rBV      | 300957         | 486001        | 14.94%          | 1.367%        |
| 9         | 8.157       | 874           | 879         | 886          | rVV3     | 27018          | 47449         | 1.46%           | 0.133%        |
| 10        | 8.587       | 945           | 952         | 961          | rVV2     | 26870          | 49058         | 1.51%           | 0.138%        |
| 11        | 9.293       | 1068          | 1072        | 1080         | rVB4     | 17952          | 29911         | 0.92%           | 0.084%        |
| 12        | 9.628       | 1121          | 1129        | 1135         | rBV4     | 44055          | 105438        | 3.24%           | 0.297%        |
| 13        | 9.693       | 1135          | 1140        | 1145         | rBV3     | 39961          | 76091         | 2.34%           | 0.214%        |
| 14        | 9.840       | 1159          | 1165        | 1170         | rBV3     | 26669          | 47752         | 1.47%           | 0.134%        |
| 15        | 10.181      | 1216          | 1223        | 1227         | rBV      | 981370         | 1608386       | 49.44%          | 4.523%        |
| 16        | 10.234      | 1227          | 1232        | 1239         | rVB      | 1974171        | 3123937       | 96.02%          | 8.785%        |
| 17        | 10.346      | 1246          | 1251        | 1260         | rBV2     | 40579          | 77098         | 2.37%           | 0.217%        |
| 18        | 11.851      | 1501          | 1507        | 1517         | rBV      | 713011         | 1138469       | 34.99%          | 3.202%        |
| 19        | 12.075      | 1534          | 1545        | 1553         | rBV      | 452197         | 740284        | 22.76%          | 2.082%        |
| 20        | 12.898      | 1678          | 1685        | 1692         | rBV2     | 115225         | 208158        | 6.40%           | 0.585%        |
| 21        | 13.092      | 1713          | 1718        | 1727         | rVB      | 85367          | 138847        | 4.27%           | 0.390%        |
| 22        | 13.228      | 1735          | 1741        | 1742         | rBV      | 90681          | 115451        | 3.55%           | 0.325%        |
| 23        | 13.387      | 1762          | 1768        | 1773         | rBV      | 160657         | 285076        | 8.76%           | 0.802%        |
| 24        | 13.440      | 1773          | 1777        | 1782         | rBV      | 89387          | 126218        | 3.88%           | 0.355%        |
| 25        | 13.498      | 1782          | 1787        | 1798         | rVB2     | 65234          | 154882        | 4.76%           | 0.436%        |
| 26        | 13.628      | 1804          | 1809        | 1813         | rBV      | 80886          | 127044        | 3.91%           | 0.357%        |
| 27        | 13.787      | 1824          | 1836        | 1843         | rBV2     | 497586         | 868973        | 26.71%          | 2.444%        |
| 28        | 14.004      | 1868          | 1873        | 1878         | rBV      | 29197          | 41973         | 1.29%           | 0.118%        |
| 29        | 14.069      | 1878          | 1884        | 1891         | rVV      | 1429756        | 2106632       | 64.75%          | 5.924%        |
| 30        | 14.134      | 1891          | 1895        | 1899         | rVV      | 54777          | 82274         | 2.53%           | 0.231%        |
| 31        | 14.481      | 1945          | 1954        | 1963         | rBV2     | 65883          | 139864        | 4.30%           | 0.393%        |
| 32        | 14.563      | 1963          | 1968        | 1972         | rBV      | 39172          | 48507         | 1.49%           | 0.136%        |
| 33        | 14.698      | 1985          | 1991        | 1997         | rBV6     | 41808          | 94816         | 2.91%           | 0.267%        |
| 34        | 14.757      | 1997          | 2001        | 2004         | rVB3     | 24690          | 30257         | 0.93%           | 0.085%        |

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.957 | 2029 | 2035 | 2041 | rVB2 | 61548   | 109331  | 3.36%  | 0.307% |
| 36 | 15.075 | 2050 | 2055 | 2059 | rVB  | 158656  | 207886  | 6.39%  | 0.585% |
| 37 | 15.128 | 2059 | 2064 | 2072 | rBV  | 323639  | 484155  | 14.88% | 1.362% |
| 38 | 15.234 | 2078 | 2082 | 2083 | rBV4 | 23473   | 28046   | 0.86%  | 0.079% |
| 39 | 15.251 | 2083 | 2085 | 2089 | rVV4 | 25890   | 33604   | 1.03%  | 0.095% |
| 40 | 15.334 | 2095 | 2099 | 2103 | rBV4 | 20565   | 41422   | 1.27%  | 0.116% |
| 41 | 15.434 | 2111 | 2116 | 2120 | rBV  | 28621   | 50056   | 1.54%  | 0.141% |
| 42 | 15.469 | 2120 | 2122 | 2128 | rVB5 | 24609   | 27958   | 0.86%  | 0.079% |
| 43 | 15.545 | 2129 | 2135 | 2139 | rBV  | 59357   | 88944   | 2.73%  | 0.250% |
| 44 | 15.581 | 2139 | 2141 | 2148 | rVB5 | 19511   | 32890   | 1.01%  | 0.092% |
| 45 | 15.822 | 2173 | 2182 | 2187 | rBV4 | 42310   | 92275   | 2.84%  | 0.260% |
| 46 | 16.139 | 2229 | 2236 | 2241 | rVV3 | 59588   | 127790  | 3.93%  | 0.359% |
| 47 | 16.186 | 2241 | 2244 | 2249 | rVB2 | 42223   | 62456   | 1.92%  | 0.176% |
| 48 | 16.286 | 2256 | 2261 | 2266 | rVV  | 45584   | 62135   | 1.91%  | 0.175% |
| 49 | 16.416 | 2278 | 2283 | 2286 | rVB6 | 18362   | 28199   | 0.87%  | 0.079% |
| 50 | 16.492 | 2293 | 2296 | 2302 | rVB5 | 19291   | 29978   | 0.92%  | 0.084% |
| 51 | 16.645 | 2314 | 2322 | 2326 | rBV2 | 94333   | 164056  | 5.04%  | 0.461% |
| 52 | 16.828 | 2346 | 2353 | 2356 | rBV  | 1650540 | 2295568 | 70.56% | 6.456% |
| 53 | 16.869 | 2356 | 2360 | 2365 | rVV  | 1250781 | 1652779 | 50.80% | 4.648% |
| 54 | 16.928 | 2365 | 2370 | 2372 | rVV2 | 115317  | 175374  | 5.39%  | 0.493% |
| 55 | 16.963 | 2372 | 2376 | 2383 | rVV  | 272738  | 393304  | 12.09% | 1.106% |
| 56 | 17.028 | 2383 | 2387 | 2393 | rVV6 | 27462   | 54421   | 1.67%  | 0.153% |
| 57 | 17.357 | 2438 | 2443 | 2447 | rVV2 | 51539   | 77392   | 2.38%  | 0.218% |
| 58 | 17.410 | 2448 | 2452 | 2458 | rVV2 | 47961   | 75134   | 2.31%  | 0.211% |
| 59 | 17.551 | 2472 | 2476 | 2484 | rVB3 | 33882   | 65092   | 2.00%  | 0.183% |
| 60 | 17.704 | 2496 | 2502 | 2506 | rBV  | 185677  | 264264  | 8.12%  | 0.743% |
| 61 | 17.751 | 2506 | 2510 | 2516 | rVB  | 215910  | 290839  | 8.94%  | 0.818% |
| 62 | 17.833 | 2519 | 2524 | 2528 | rBV2 | 71183   | 98439   | 3.03%  | 0.277% |
| 63 | 17.892 | 2528 | 2534 | 2539 | rVV2 | 389127  | 649982  | 19.98% | 1.828% |
| 64 | 17.933 | 2539 | 2541 | 2552 | rVB  | 140904  | 173181  | 5.32%  | 0.487% |
| 65 | 18.210 | 2584 | 2588 | 2592 | rVV  | 96697   | 133207  | 4.09%  | 0.375% |
| 66 | 18.257 | 2592 | 2596 | 2602 | rVB6 | 27383   | 42198   | 1.30%  | 0.119% |
| 67 | 18.516 | 2636 | 2640 | 2643 | rBV  | 30327   | 39524   | 1.21%  | 0.111% |
| 68 | 18.551 | 2643 | 2646 | 2650 | rVB4 | 26683   | 36390   | 1.12%  | 0.102% |
| 69 | 18.633 | 2656 | 2660 | 2665 | rBV3 | 98012   | 161406  | 4.96%  | 0.454% |
| 70 | 18.698 | 2665 | 2671 | 2674 | rBV5 | 74909   | 112105  | 3.45%  | 0.315% |
| 71 | 18.727 | 2674 | 2676 | 2680 | rVB3 | 43531   | 49544   | 1.52%  | 0.139% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.780 | 2680 | 2685 | 2686 | rBV3 | 50471   | 75512   | 2.32%   | 0.212% |
| 73  | 18.898 | 2699 | 2705 | 2711 | rBV  | 679351  | 903569  | 27.77%  | 2.541% |
| 74  | 18.974 | 2714 | 2718 | 2720 | rVV3 | 21350   | 30355   | 0.93%   | 0.085% |
| 75  | 19.004 | 2721 | 2723 | 2727 | rVV4 | 25419   | 31696   | 0.97%   | 0.089% |
| 76  | 19.051 | 2727 | 2731 | 2736 | rVV  | 155121  | 201219  | 6.19%   | 0.566% |
| 77  | 19.139 | 2743 | 2746 | 2749 | rVV2 | 30665   | 50614   | 1.56%   | 0.142% |
| 78  | 19.169 | 2749 | 2751 | 2757 | rVV  | 31628   | 46101   | 1.42%   | 0.130% |
| 79  | 19.263 | 2757 | 2767 | 2778 | rVV  | 1463891 | 2119755 | 65.16%  | 5.961% |
| 80  | 19.351 | 2778 | 2782 | 2788 | rVB6 | 23534   | 42645   | 1.31%   | 0.120% |
| 81  | 19.510 | 2806 | 2809 | 2815 | rVB6 | 27082   | 40558   | 1.25%   | 0.114% |
| 82  | 19.604 | 2820 | 2825 | 2834 | rBV3 | 82345   | 173049  | 5.32%   | 0.487% |
| 83  | 19.769 | 2842 | 2853 | 2858 | rVB2 | 177560  | 414722  | 12.75%  | 1.166% |
| 84  | 19.869 | 2866 | 2870 | 2875 | rVV  | 150930  | 180377  | 5.54%   | 0.507% |
| 85  | 19.927 | 2875 | 2880 | 2884 | rBV  | 181661  | 230244  | 7.08%   | 0.648% |
| 86  | 20.069 | 2900 | 2904 | 2908 | rVV  | 137525  | 178156  | 5.48%   | 0.501% |
| 87  | 20.116 | 2908 | 2912 | 2918 | rVB2 | 143012  | 204093  | 6.27%   | 0.574% |
| 88  | 20.486 | 2971 | 2975 | 2978 | rBV5 | 35927   | 62043   | 1.91%   | 0.174% |
| 89  | 20.686 | 3007 | 3009 | 3013 | rVB  | 44518   | 43958   | 1.35%   | 0.124% |
| 90  | 20.727 | 3013 | 3016 | 3019 | rVV  | 77393   | 84065   | 2.58%   | 0.236% |
| 91  | 20.763 | 3019 | 3022 | 3033 | rVB3 | 82067   | 151543  | 4.66%   | 0.426% |
| 92  | 21.045 | 3063 | 3070 | 3074 | rBV2 | 2156850 | 3253266 | 100.00% | 9.149% |
| 93  | 21.080 | 3074 | 3076 | 3082 | rVB  | 342073  | 384335  | 11.81%  | 1.081% |
| 94  | 21.586 | 3159 | 3162 | 3166 | rVB  | 92731   | 110335  | 3.39%   | 0.310% |
| 95  | 21.798 | 3196 | 3198 | 3203 | rVB3 | 94374   | 106141  | 3.26%   | 0.298% |
| 96  | 22.086 | 3245 | 3247 | 3253 | rVB3 | 122199  | 142408  | 4.38%   | 0.400% |
| 97  | 22.557 | 3320 | 3327 | 3335 | rVB3 | 280934  | 837539  | 25.74%  | 2.355% |
| 98  | 22.980 | 3395 | 3399 | 3404 | rBV  | 192217  | 293275  | 9.01%   | 0.825% |
| 99  | 23.074 | 3410 | 3415 | 3421 | rVB2 | 410753  | 820573  | 25.22%  | 2.308% |
| 100 | 23.157 | 3423 | 3429 | 3435 | rBV2 | 1365713 | 2311637 | 71.06%  | 6.501% |

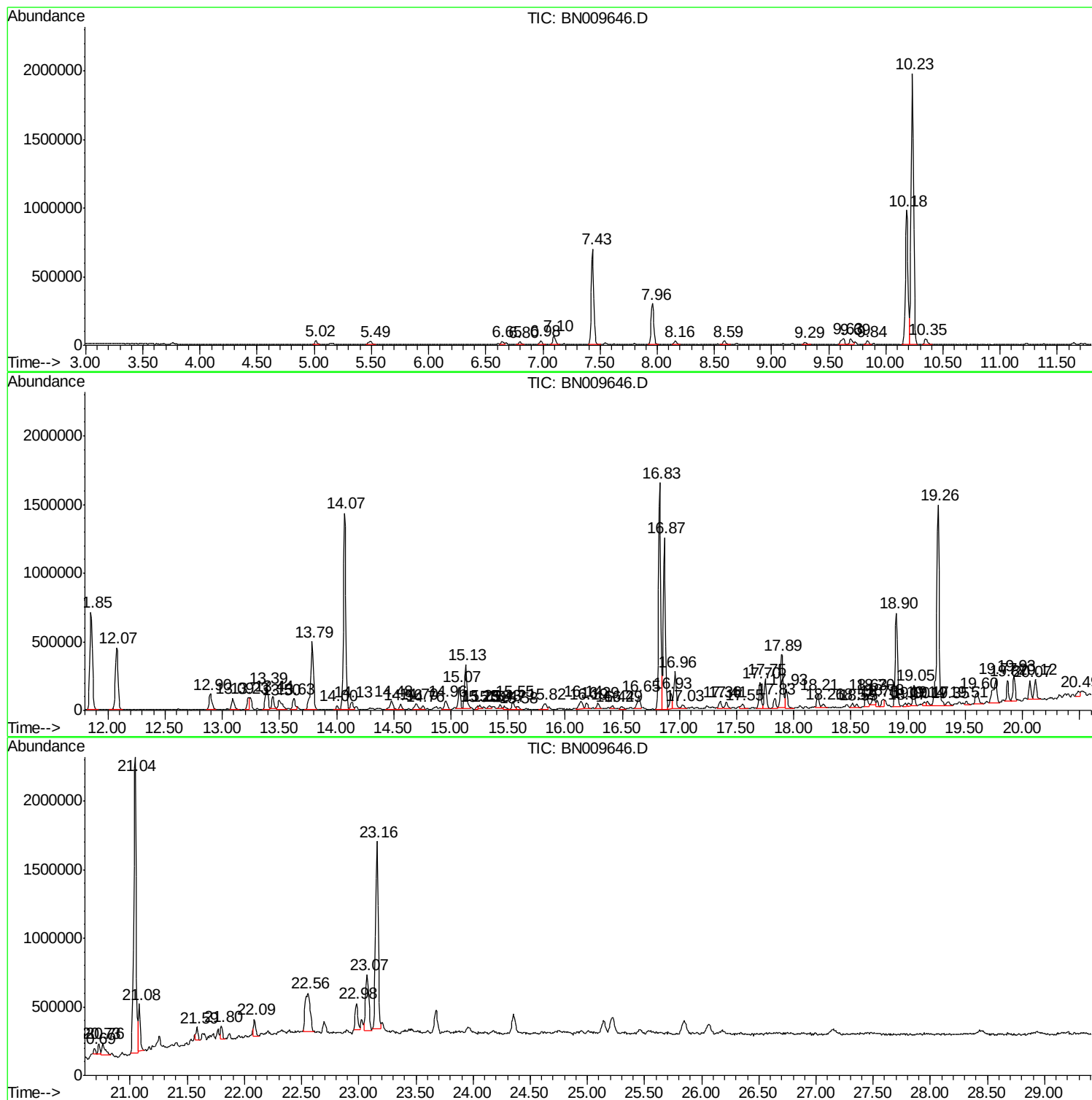
Sum of corrected areas: 35558659

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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



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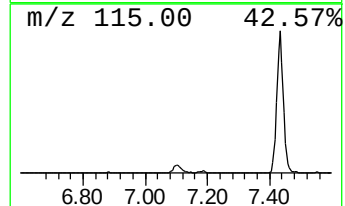
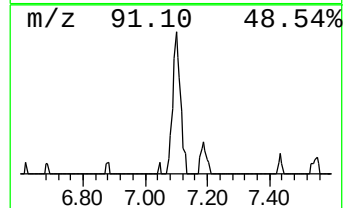
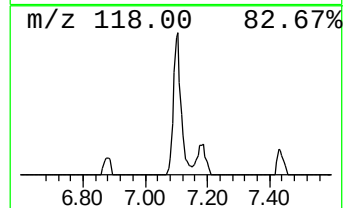
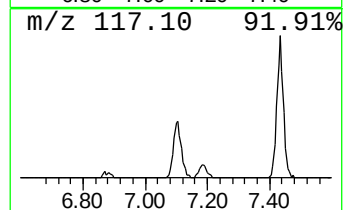
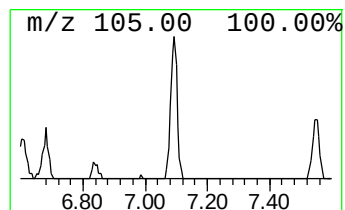
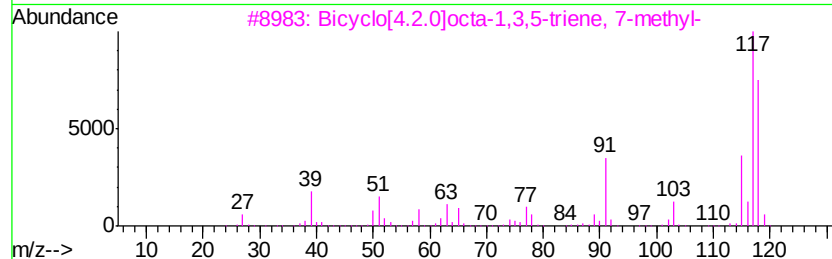
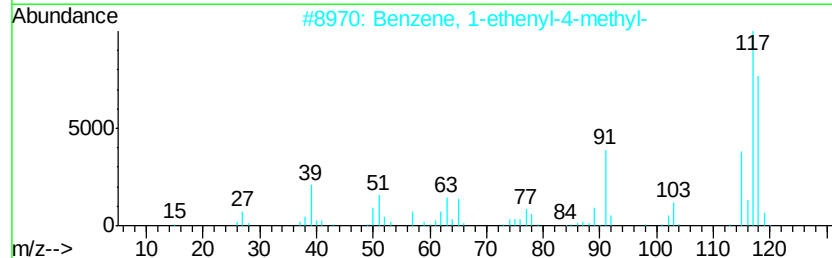
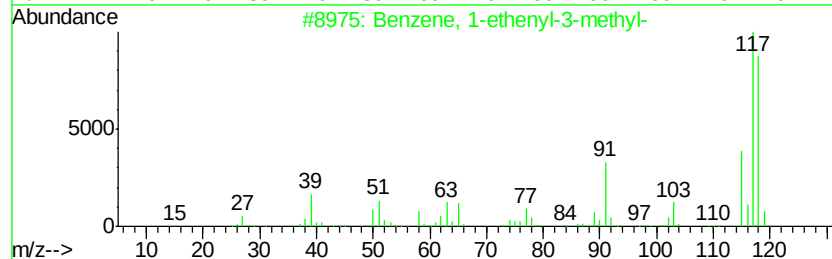
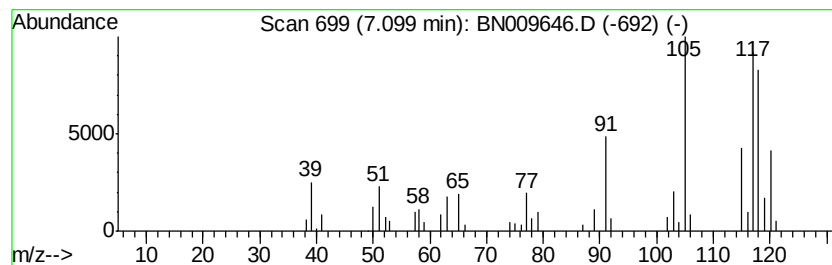
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

| R.T. | EstConc    | Area   | Relative to ISTD                    | R.T. |         |             |      |
|------|------------|--------|-------------------------------------|------|---------|-------------|------|
| 7.10 | 2.14 ng/ul | 116466 | 1,4-Dichlorobenzene-d4              | 7.43 |         |             |      |
| Hit# | of         | 5      | Tentative ID                        | MW   | MolForm | CAS#        | Qual |
| 1    |            |        | Benzene, 1-ethenyl-3-methyl-        | 118  | C9H10   | 000100-80-1 | 92   |
| 2    |            |        | Benzene, 1-ethenyl-4-methyl-        | 118  | C9H10   | 000622-97-9 | 91   |
| 3    |            |        | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118  | C9H10   | 055337-80-9 | 64   |
| 4    |            |        | Benzene, 1-ethenyl-3-methyl-        | 118  | C9H10   | 000100-80-1 | 64   |
| 5    |            |        | Benzene, 1-ethenyl-2-methyl-        | 118  | C9H10   | 000611-15-4 | 64   |



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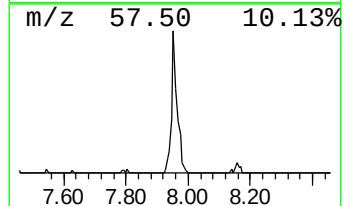
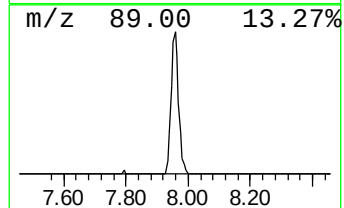
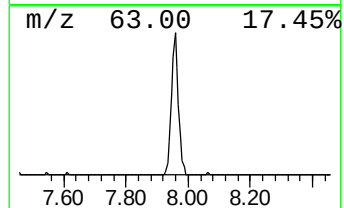
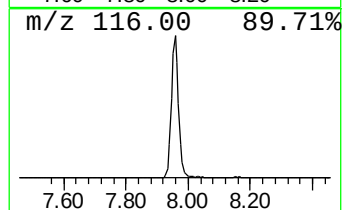
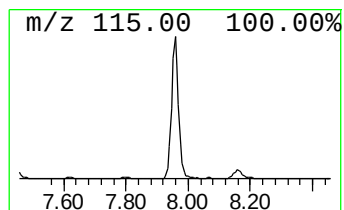
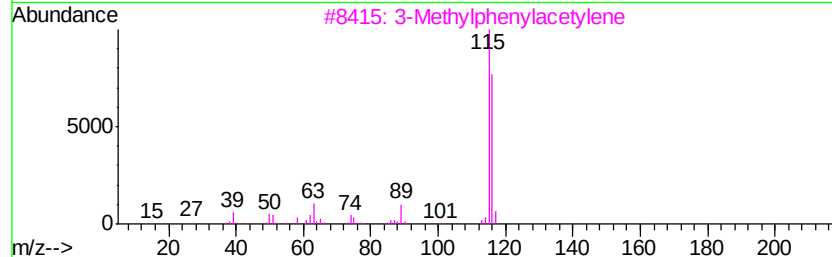
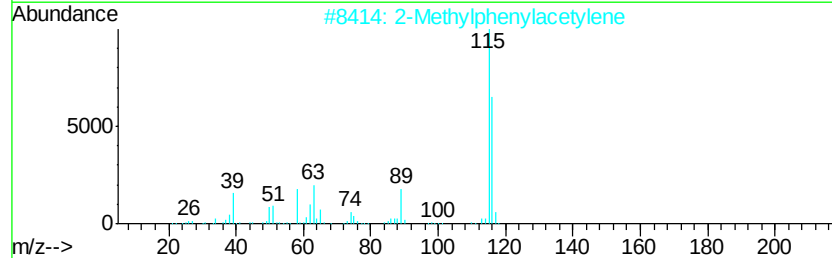
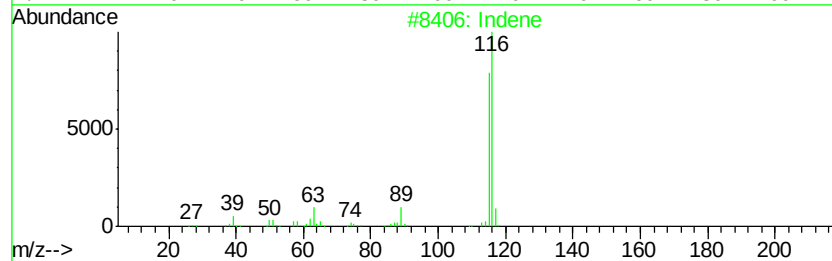
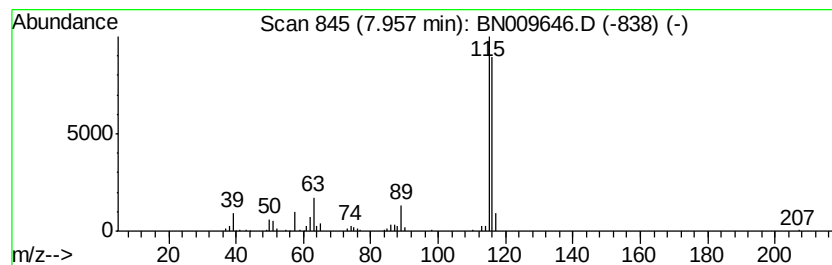
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Indene Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.96 | 8.93 ng/ul | 486001 | 1,4-Dichlorobenzene-d4 | 7.43 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Indene                    | 116 | C9H8    | 000095-13-6 | 94   |
| 2    |    | 2-Methylphenylacetylene   | 116 | C9H8    | 000766-47-2 | 91   |
| 3    |    | 3-Methylphenylacetylene   | 116 | C9H8    | 000766-82-5 | 91   |
| 4    |    | Benzene, 1,2-propadienyl- | 116 | C9H8    | 002327-99-3 | 91   |
| 5    |    | 1-Propyne, 3-phenyl-      | 116 | C9H8    | 010147-11-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

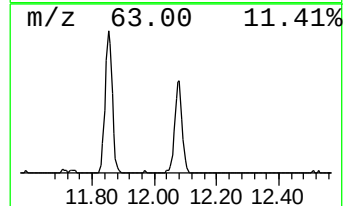
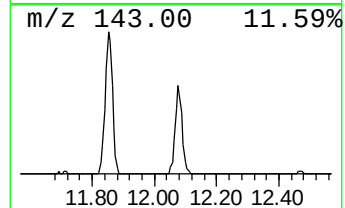
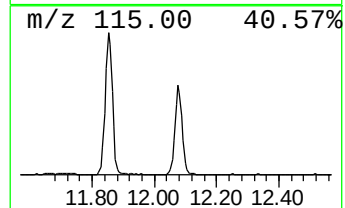
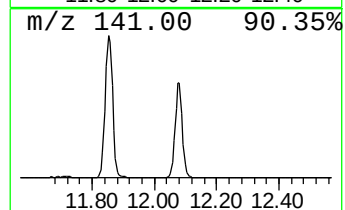
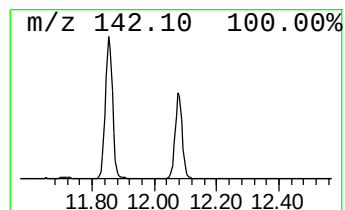
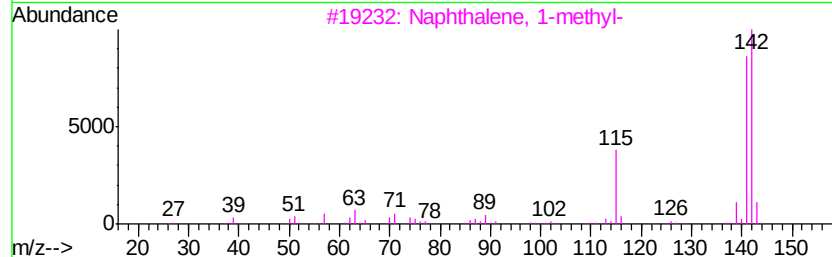
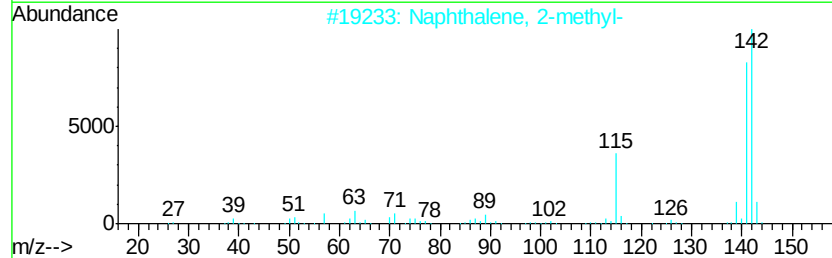
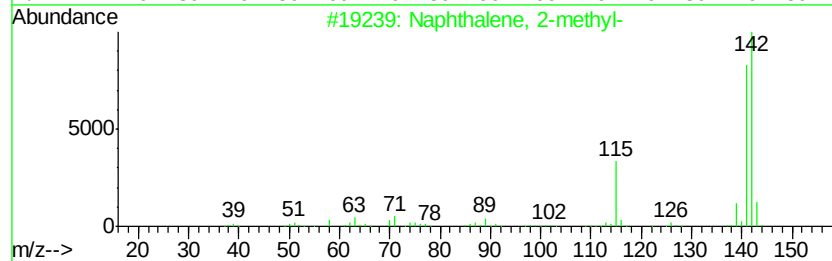
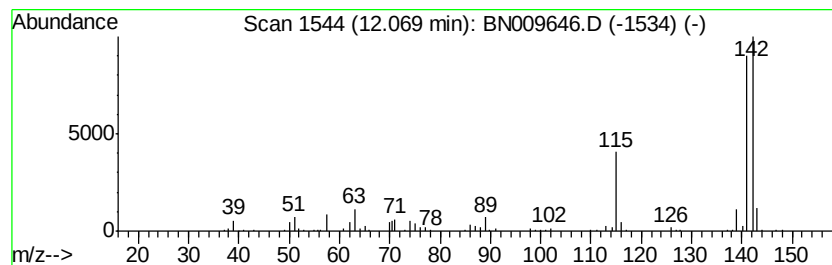
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.07 | 9.21 ng/ul | 740284 | Naphthalene-d8   | 10.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

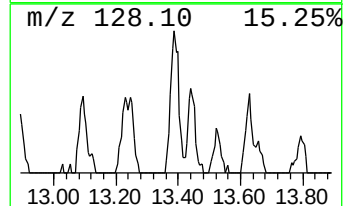
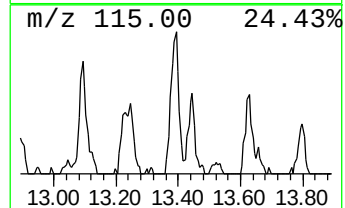
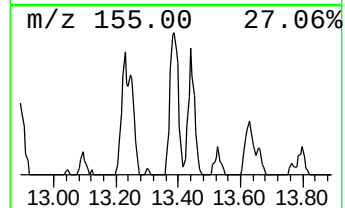
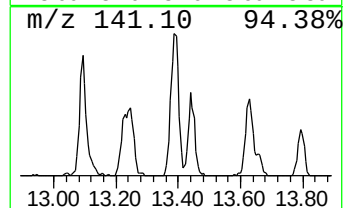
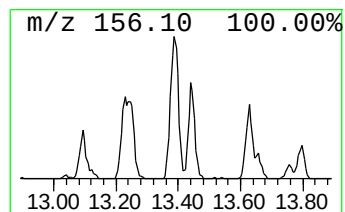
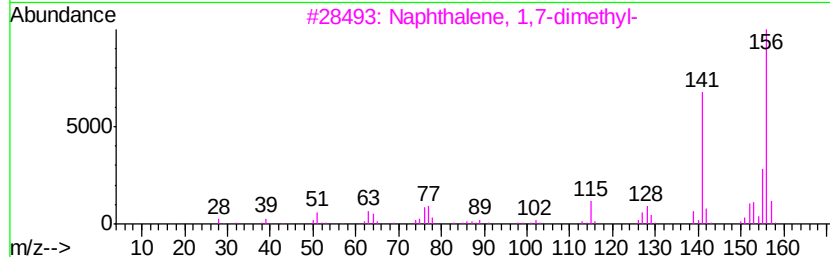
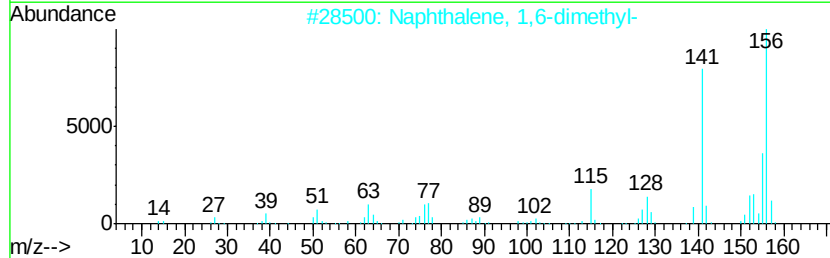
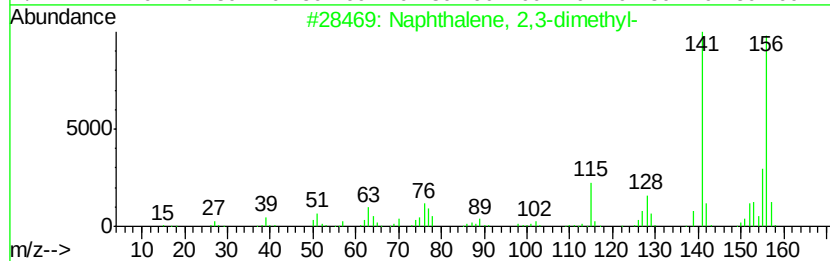
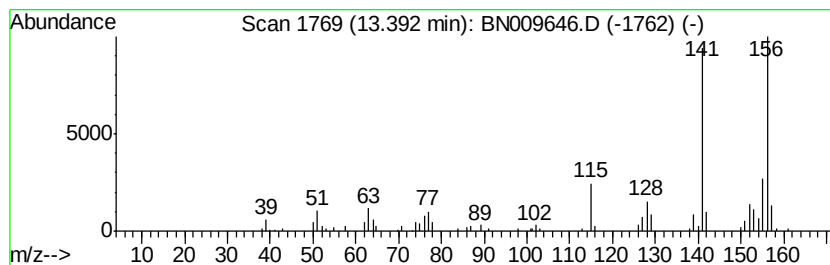
Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.39   | 2.71 ng/ul | 285076                     | Acenaphthene-d10 | 14.07          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 2,3-dimethyl- | 156 C12H12       | 000581-40-8 98 |
| 2       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 98 |
| 3       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 97 |
| 4       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |
| 5       |            | Naphthalene, 1,3-dimethyl- | 156 C12H12       | 000575-41-7 97 |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

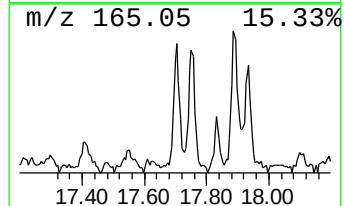
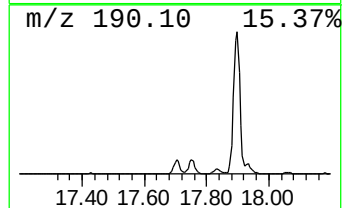
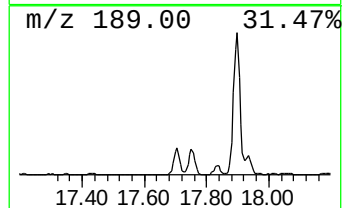
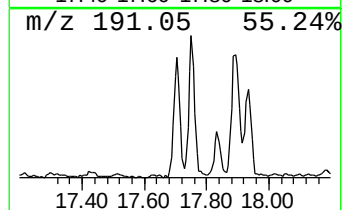
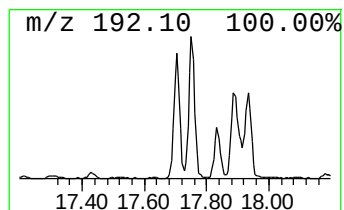
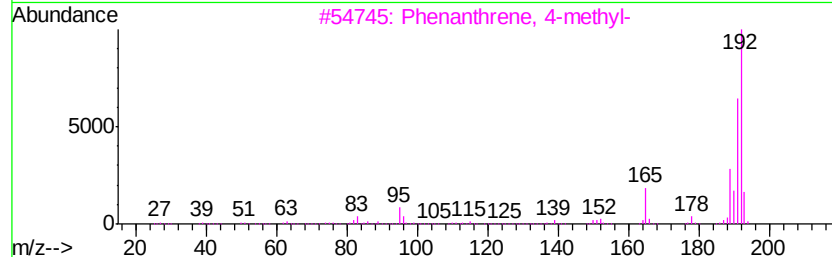
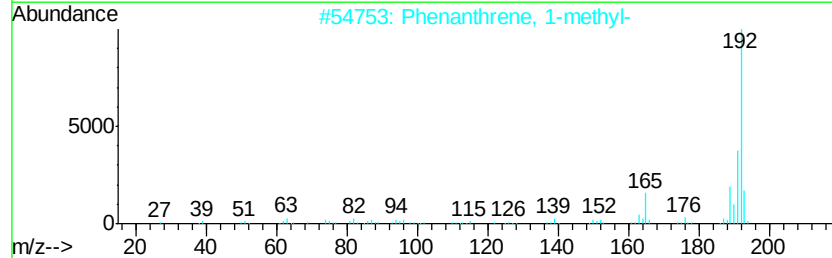
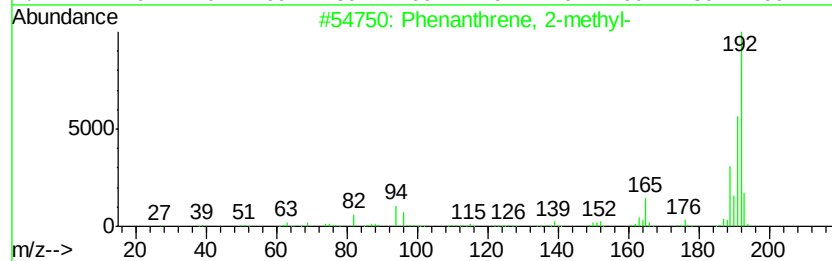
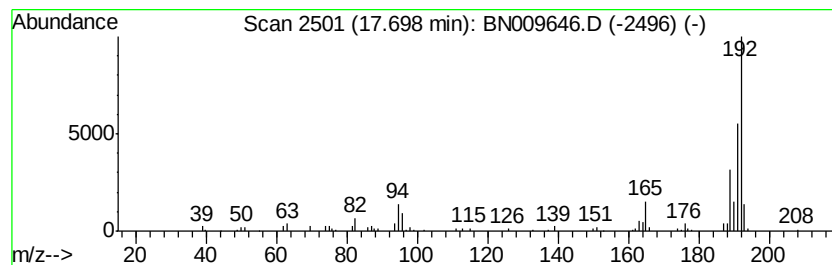
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.70 | 2.30 ng/ul | 264264 | Phenanthrene-d10 | 16.83 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 94   |
| 3       |   | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 94   |
| 4       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 5       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

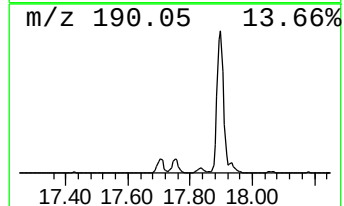
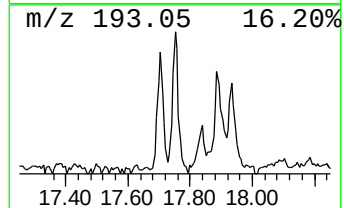
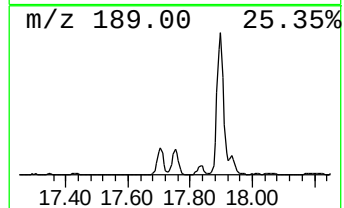
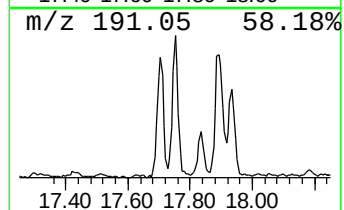
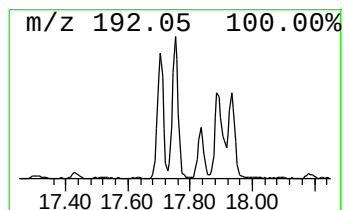
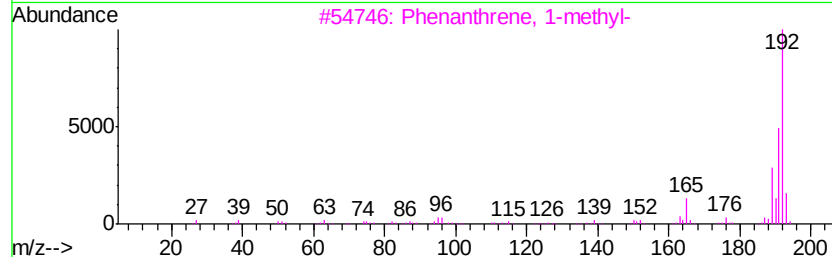
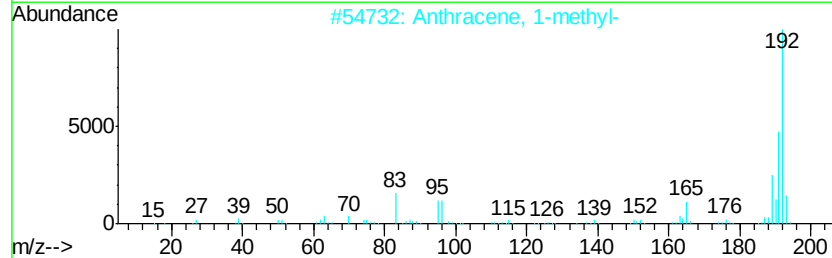
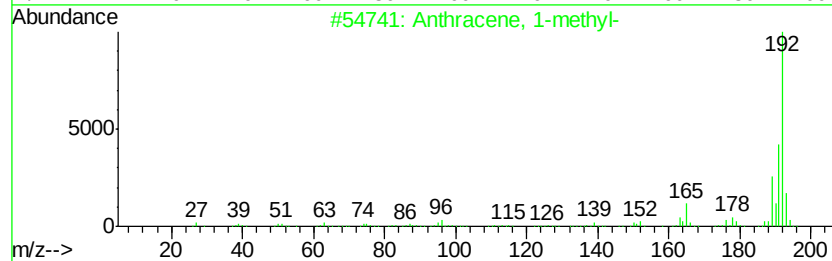
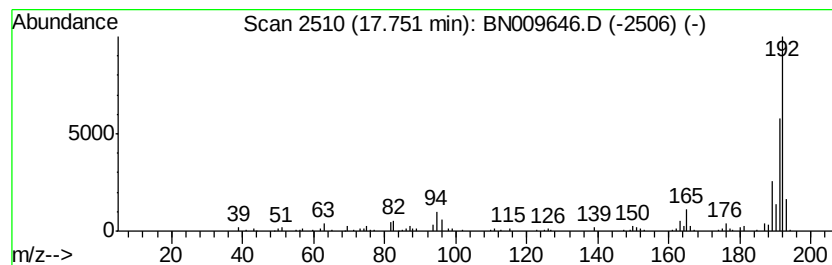
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Anthracene, 1-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.75 | 2.53 ng/ul | 290839 | Phenanthrene-d10 | 16.83 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 95   |
| 2    |    |   | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 94   |
| 3    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 5    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

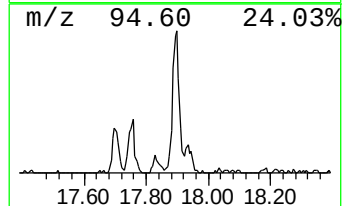
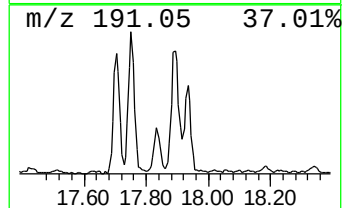
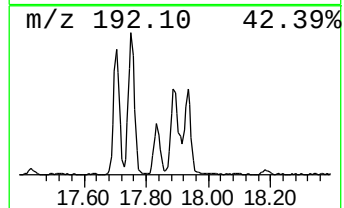
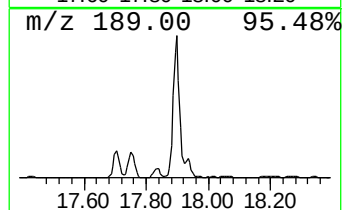
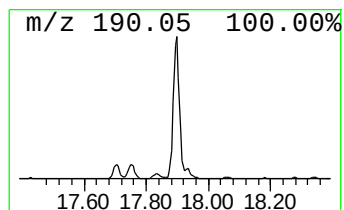
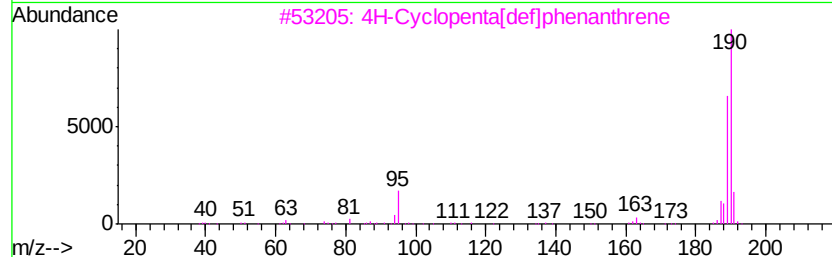
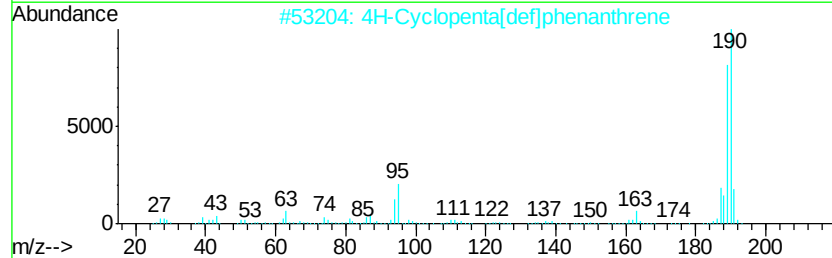
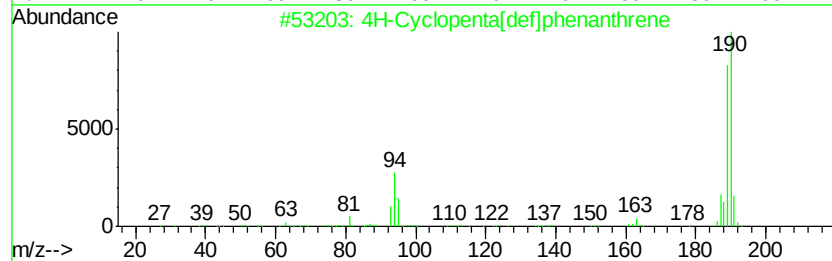
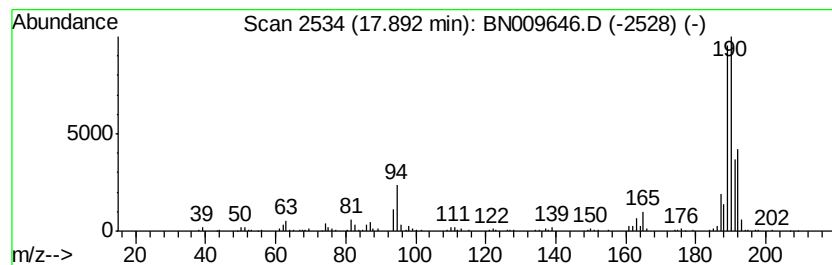
Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T.      | EstConc                         | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------|--------|------------------|-------------|------|
| 17.89     | 5.66 ng/ul                      | 649982 | Phenanthrene-d10 | 16.83       |      |
| Hit# of 5 | Tentative ID                    | MW     | MolForm          | CAS#        | Qual |
| 1         | 4H-Cyclopenta[def]phenanthrene  | 190    | C15H10           | 000203-64-5 | 76   |
| 2         | 4H-Cyclopenta[def]phenanthrene  | 190    | C15H10           | 000203-64-5 | 64   |
| 3         | 4H-Cyclopenta[def]phenanthrene  | 190    | C15H10           | 000203-64-5 | 58   |
| 4         | 6H-Cyclobuta[ikl]phenanthrene   | 190    | C15H10           | 083469-43-6 | 42   |
| 5         | 2,2'-Bis(4,5-dimethylimidazole) | 190    | C10H14N4         | 069286-06-2 | 28   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

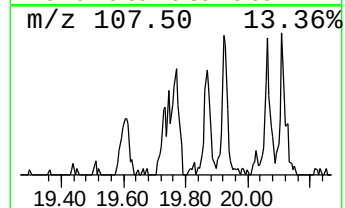
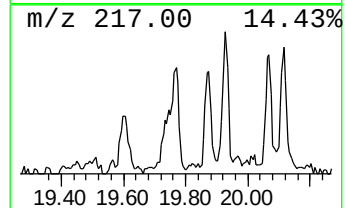
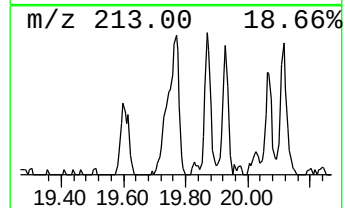
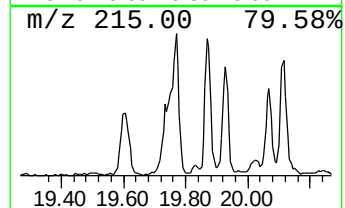
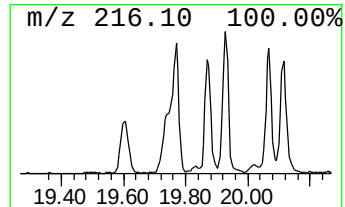
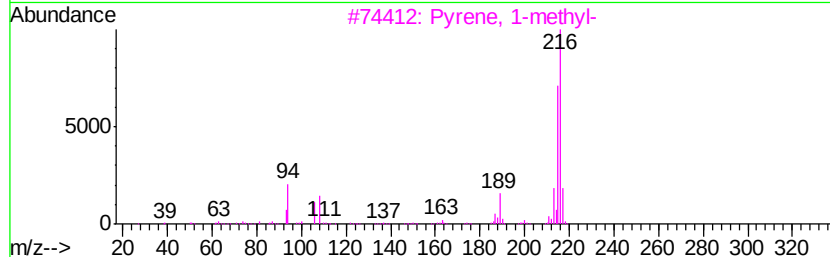
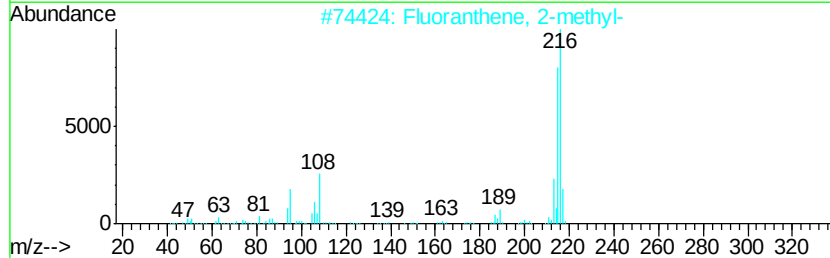
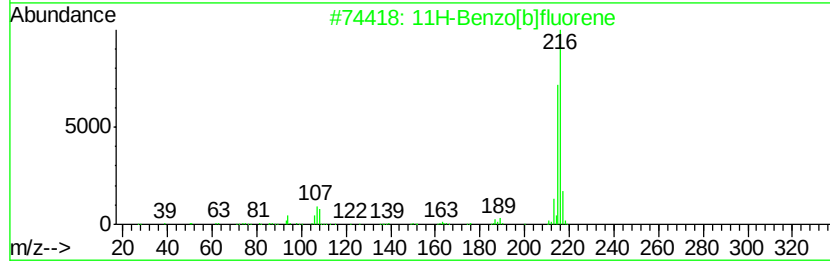
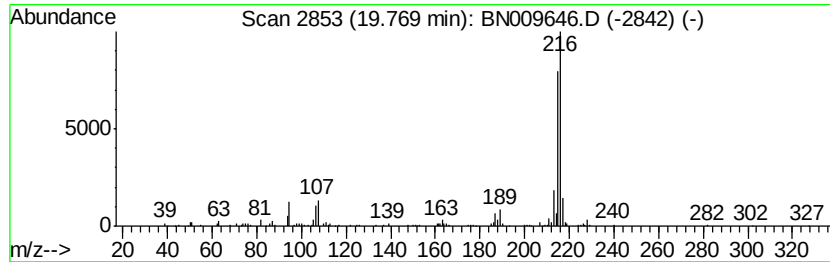
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.77 | 2.55 ng/ul | 414722 | Chrysene-d12     | 21.05 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 94   |
| 2    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 93   |
| 3    |    | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 93   |
| 4    |    | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 90   |
| 5    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020620\  
Data File : BN009646.D  
Acq On : 07 Feb 2020 13:48  
Operator : CG/JU  
Sample : L1324-17DL 10X  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAT72DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.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 |
| Benzene, 1-etheny... | 7.10  | 2.1     | ng/ul | 116466   | 1                     | 7.43  | 1088140 | 20.0 |
| Indene               | 7.96  | 8.9     | ng/ul | 486001   | 1                     | 7.43  | 1088140 | 20.0 |
| Naphthalene, 1-me... | 12.07 | 9.2     | ng/ul | 740284   | 2                     | 10.18 | 1608390 | 20.0 |
| Naphthalene, 2,3-... | 13.39 | 2.7     | ng/ul | 285076   | 3                     | 14.07 | 2106630 | 20.0 |
| Phenanthrene, 2-m... | 17.70 | 2.3     | ng/ul | 264264   | 4                     | 16.83 | 2295570 | 20.0 |
| Anthracene, 1-met... | 17.75 | 2.5     | ng/ul | 290839   | 4                     | 16.83 | 2295570 | 20.0 |
| 4H-Cyclopenta[def... | 17.89 | 5.7     | ng/ul | 649982   | 4                     | 16.83 | 2295570 | 20.0 |
| 11H-Benzo[b]fluorene | 19.77 | 2.5     | ng/ul | 414722   | 5                     | 21.05 | 3253270 | 20.0 |