

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101417\  
 Data File : BG029206.D  
 Acq On : 14 Oct 2017 00:50  
 Operator : SJ/JU  
 Sample : I5772-20  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BD9S4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.544    | 39         | 43       | 53        | rVB   | 23940       | 37218      | 1.14%        | 0.126%     |
| 2      | 3.903    | 101        | 104      | 109       | rVB4  | 2671        | 4598       | 0.14%        | 0.016%     |
| 3      | 4.320    | 169        | 175      | 181       | rBV6  | 3148        | 7371       | 0.23%        | 0.025%     |
| 4      | 5.248    | 330        | 333      | 338       | rVV2  | 4474        | 5238       | 0.16%        | 0.018%     |
| 5      | 6.365    | 515        | 523      | 531       | rVB7  | 4974        | 10986      | 0.34%        | 0.037%     |
| 6      | 7.311    | 677        | 684      | 694       | rBV   | 99730       | 176595     | 5.42%        | 0.600%     |
| 7      | 7.487    | 705        | 714      | 725       | rBV   | 380901      | 620284     | 19.04%       | 2.108%     |
| 8      | 7.581    | 725        | 730      | 737       | rVB4  | 2746        | 5017       | 0.15%        | 0.017%     |
| 9      | 7.698    | 742        | 750      | 760       | rBV   | 359145      | 606321     | 18.61%       | 2.060%     |
| 10     | 8.168    | 817        | 830      | 840       | rBV   | 305836      | 537316     | 16.49%       | 1.826%     |
| 11     | 8.868    | 940        | 949      | 960       | rBV2  | 295737      | 515234     | 15.81%       | 1.751%     |
| 12     | 9.332    | 1017       | 1028     | 1040      | rBV   | 438053      | 767529     | 23.56%       | 2.608%     |
| 13     | 10.060   | 1144       | 1152     | 1162      | rBV   | 336754      | 603600     | 18.53%       | 2.051%     |
| 14     | 10.601   | 1234       | 1244     | 1256      | rBV   | 529258      | 942311     | 28.92%       | 3.202%     |
| 15     | 10.989   | 1298       | 1310     | 1324      | rVB   | 447617      | 805406     | 24.72%       | 2.737%     |
| 16     | 11.112   | 1324       | 1331     | 1343      | rBV2  | 17332       | 37187      | 1.14%        | 0.126%     |
| 17     | 11.794   | 1442       | 1447     | 1452      | rVB5  | 4090        | 6870       | 0.21%        | 0.023%     |
| 18     | 12.105   | 1492       | 1500     | 1510      | rVB6  | 3281        | 8301       | 0.25%        | 0.028%     |
| 19     | 12.557   | 1567       | 1577     | 1587      | rVB2  | 10551       | 19661      | 0.60%        | 0.067%     |
| 20     | 13.403   | 1714       | 1721     | 1729      | rVB5  | 2985        | 7459       | 0.23%        | 0.025%     |
| 21     | 13.609   | 1753       | 1756     | 1762      | rVB4  | 2193        | 4661       | 0.14%        | 0.016%     |
| 22     | 14.185   | 1845       | 1854     | 1861      | rBV   | 1138357     | 1616308    | 49.61%       | 5.492%     |
| 23     | 14.238   | 1861       | 1863     | 1867      | rVB3  | 4714        | 4884       | 0.15%        | 0.017%     |
| 24     | 14.485   | 1896       | 1905     | 1913      | rBV   | 1240428     | 1931679    | 59.29%       | 6.564%     |
| 25     | 14.790   | 1942       | 1957     | 1966      | rBV2  | 694376      | 1150831    | 35.32%       | 3.911%     |
| 26     | 14.955   | 1977       | 1985     | 1998      | rBV   | 107102      | 194322     | 5.96%        | 0.660%     |
| 27     | 15.489   | 2071       | 2076     | 2084      | rBV5  | 2381        | 5604       | 0.17%        | 0.019%     |
| 28     | 15.589   | 2084       | 2093     | 2098      | rVB6  | 4661        | 8475       | 0.26%        | 0.029%     |
| 29     | 15.771   | 2117       | 2124     | 2136      | rBV   | 1567508     | 2407541    | 73.89%       | 8.181%     |
| 30     | 15.883   | 2136       | 2143     | 2155      | rVV   | 428978      | 652943     | 20.04%       | 2.219%     |
| 31     | 16.018   | 2159       | 2166     | 2172      | rBV2  | 17815       | 30306      | 0.93%        | 0.103%     |
| 32     | 16.265   | 2202       | 2208     | 2210      | rBV4  | 4692        | 6309       | 0.19%        | 0.021%     |
| 33     | 16.717   | 2282       | 2285     | 2290      | rVB3  | 6613        | 7466       | 0.23%        | 0.025%     |
| 34     | 17.316   | 2382       | 2387     | 2394      | rVB6  | 3657        | 7198       | 0.22%        | 0.024%     |

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|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.522 | 2415 | 2422 | 2432 | rBV  | 957355  | 1483227 | 45.52%  | 5.040%  |
| 36 | 17.622 | 2432 | 2439 | 2452 | rVV  | 1837835 | 2738984 | 84.07%  | 9.307%  |
| 37 | 17.722 | 2452 | 2456 | 2462 | rVB4 | 3736    | 6265    | 0.19%   | 0.021%  |
| 38 | 17.945 | 2490 | 2494 | 2497 | rVB5 | 3276    | 4600    | 0.14%   | 0.016%  |
| 39 | 18.192 | 2531 | 2536 | 2541 | rBV4 | 2361    | 4793    | 0.15%   | 0.016%  |
| 40 | 18.262 | 2543 | 2548 | 2553 | rVB6 | 5562    | 9931    | 0.30%   | 0.034%  |
| 41 | 18.392 | 2566 | 2570 | 2580 | rBV6 | 14238   | 27189   | 0.83%   | 0.092%  |
| 42 | 18.468 | 2580 | 2583 | 2589 | rBV4 | 4576    | 6604    | 0.20%   | 0.022%  |
| 43 | 18.591 | 2599 | 2604 | 2609 | rBV5 | 4580    | 8182    | 0.25%   | 0.028%  |
| 44 | 18.721 | 2621 | 2626 | 2630 | rBV6 | 3141    | 6465    | 0.20%   | 0.022%  |
| 45 | 19.038 | 2677 | 2680 | 2688 | rVB8 | 3196    | 6539    | 0.20%   | 0.022%  |
| 46 | 19.455 | 2748 | 2751 | 2756 | rBV6 | 4846    | 6710    | 0.21%   | 0.023%  |
| 47 | 19.532 | 2756 | 2764 | 2771 | rVB3 | 24808   | 42297   | 1.30%   | 0.144%  |
| 48 | 19.655 | 2780 | 2785 | 2796 | rBV5 | 23959   | 47245   | 1.45%   | 0.161%  |
| 49 | 19.784 | 2801 | 2807 | 2816 | rVB  | 19548   | 34354   | 1.05%   | 0.117%  |
| 50 | 19.896 | 2816 | 2826 | 2837 | rBV2 | 2244733 | 3258152 | 100.00% | 11.071% |
| 51 | 20.289 | 2889 | 2893 | 2899 | rVB8 | 5094    | 8182    | 0.25%   | 0.028%  |
| 52 | 20.360 | 2899 | 2905 | 2908 | rBV8 | 4136    | 8537    | 0.26%   | 0.029%  |
| 53 | 20.489 | 2922 | 2927 | 2928 | rBV4 | 3449    | 4777    | 0.15%   | 0.016%  |
| 54 | 20.595 | 2932 | 2945 | 2946 | rBV9 | 13597   | 43195   | 1.33%   | 0.147%  |
| 55 | 20.777 | 2973 | 2976 | 2977 | rBV3 | 4366    | 4646    | 0.14%   | 0.016%  |
| 56 | 20.865 | 2984 | 2991 | 2993 | rVV7 | 5993    | 10147   | 0.31%   | 0.034%  |
| 57 | 20.989 | 3010 | 3012 | 3015 | rVB3 | 7220    | 6767    | 0.21%   | 0.023%  |
| 58 | 21.100 | 3027 | 3031 | 3033 | rVB4 | 4889    | 7040    | 0.22%   | 0.024%  |
| 59 | 21.423 | 3083 | 3086 | 3093 | rBV7 | 9944    | 15478   | 0.48%   | 0.053%  |
| 60 | 21.670 | 3126 | 3128 | 3133 | rVB6 | 6587    | 6844    | 0.21%   | 0.023%  |
| 61 | 21.794 | 3140 | 3149 | 3160 | rBV  | 1008647 | 1680011 | 51.56%  | 5.709%  |
| 62 | 21.987 | 3178 | 3182 | 3187 | rBV8 | 12183   | 21483   | 0.66%   | 0.073%  |
| 63 | 22.117 | 3201 | 3204 | 3206 | rVB4 | 5077    | 5656    | 0.17%   | 0.019%  |
| 64 | 22.287 | 3230 | 3233 | 3236 | rBV5 | 3827    | 4689    | 0.14%   | 0.016%  |
| 65 | 22.610 | 3283 | 3288 | 3293 | rVB6 | 13261   | 24177   | 0.74%   | 0.082%  |
| 66 | 22.810 | 3319 | 3322 | 3327 | rBV7 | 6438    | 12282   | 0.38%   | 0.042%  |
| 67 | 23.004 | 3348 | 3355 | 3364 | rVB7 | 9522    | 31005   | 0.95%   | 0.105%  |
| 68 | 23.074 | 3364 | 3367 | 3370 | rBV5 | 5321    | 6940    | 0.21%   | 0.024%  |
| 69 | 23.168 | 3379 | 3383 | 3388 | rVB8 | 4996    | 9170    | 0.28%   | 0.031%  |
| 70 | 23.333 | 3404 | 3411 | 3421 | rBV6 | 28233   | 56117   | 1.72%   | 0.191%  |
| 71 | 23.697 | 3468 | 3473 | 3475 | rBV5 | 7230    | 9215    | 0.28%   | 0.031%  |

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|-----|--------|------|------|------|-------|---------|---------|--------|---------|
| 72  | 23.950 | 3510 | 3516 | 3521 | rVB9  | 14219   | 27939   | 0.86%  | 0.095%  |
| 73  | 24.161 | 3546 | 3552 | 3563 | rBV5  | 40874   | 91789   | 2.82%  | 0.312%  |
| 74  | 24.308 | 3570 | 3577 | 3584 | rVB10 | 14208   | 32706   | 1.00%  | 0.111%  |
| 75  | 24.438 | 3598 | 3599 | 3605 | rVB5  | 4147    | 6098    | 0.19%  | 0.021%  |
| 76  | 24.878 | 3661 | 3674 | 3695 | rVB3  | 1047850 | 3122718 | 95.84% | 10.611% |
| 77  | 25.101 | 3700 | 3712 | 3733 | rVB2  | 552080  | 1772462 | 54.40% | 6.023%  |
| 78  | 25.760 | 3821 | 3824 | 3829 | rBV7  | 3057    | 5179    | 0.16%  | 0.018%  |
| 79  | 26.324 | 3912 | 3920 | 3932 | rVB4  | 48795   | 157090  | 4.82%  | 0.534%  |
| 80  | 26.529 | 3952 | 3955 | 3965 | rVB4  | 7133    | 18021   | 0.55%  | 0.061%  |
| 81  | 27.123 | 4055 | 4056 | 4061 | rVV5  | 4806    | 5227    | 0.16%  | 0.018%  |
| 82  | 27.164 | 4061 | 4063 | 4071 | rVV8  | 3862    | 9108    | 0.28%  | 0.031%  |
| 83  | 27.293 | 4082 | 4085 | 4088 | rVB4  | 4317    | 4736    | 0.15%  | 0.016%  |
| 84  | 27.493 | 4117 | 4119 | 4122 | rVB4  | 3569    | 4922    | 0.15%  | 0.017%  |
| 85  | 27.734 | 4149 | 4160 | 4171 | rVB5  | 50233   | 175399  | 5.38%  | 0.596%  |
| 86  | 27.986 | 4200 | 4203 | 4205 | rBV4  | 4933    | 4577    | 0.14%  | 0.016%  |
| 87  | 28.621 | 4310 | 4311 | 4320 | rVB9  | 3997    | 6677    | 0.20%  | 0.023%  |
| 88  | 28.932 | 4361 | 4364 | 4367 | rBV5  | 3892    | 4797    | 0.15%  | 0.016%  |
| 89  | 28.973 | 4368 | 4371 | 4381 | rVB5  | 6388    | 16819   | 0.52%  | 0.057%  |
| 90  | 29.044 | 4381 | 4383 | 4388 | rBV6  | 5923    | 5646    | 0.17%  | 0.019%  |
| 91  | 29.443 | 4440 | 4451 | 4467 | rVB5  | 36152   | 146379  | 4.49%  | 0.497%  |
| 92  | 29.673 | 4488 | 4490 | 4496 | rVB6  | 3917    | 5509    | 0.17%  | 0.019%  |
| 93  | 30.478 | 4626 | 4627 | 4633 | rVB5  | 6528    | 7828    | 0.24%  | 0.027%  |
| 94  | 30.848 | 4687 | 4690 | 4695 | rBV7  | 4610    | 10129   | 0.31%  | 0.034%  |
| 95  | 31.265 | 4757 | 4761 | 4764 | rBV5  | 4805    | 7633    | 0.23%  | 0.026%  |
| 96  | 31.500 | 4790 | 4801 | 4817 | rVB9  | 26209   | 124481  | 3.82%  | 0.423%  |
| 97  | 32.082 | 4882 | 4900 | 4916 | rBV6  | 39254   | 212860  | 6.53%  | 0.723%  |
| 98  | 32.458 | 4961 | 4964 | 4969 | rVB6  | 3555    | 6262    | 0.19%  | 0.021%  |
| 99  | 32.540 | 4973 | 4978 | 4984 | rBV8  | 3971    | 9280    | 0.28%  | 0.032%  |
| 100 | 32.628 | 4990 | 4993 | 4995 | rBV4  | 4181    | 5428    | 0.17%  | 0.018%  |

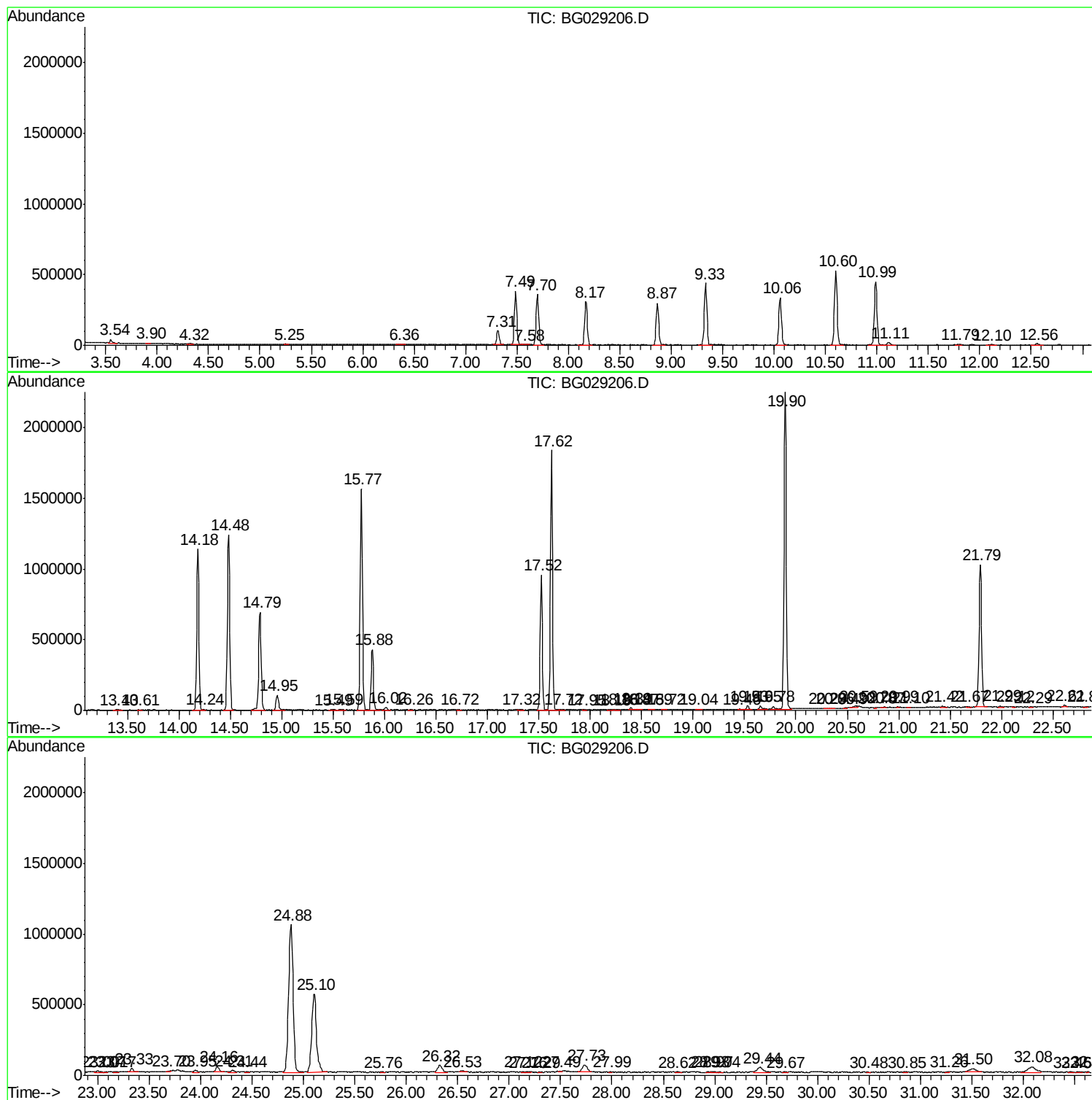
Sum of corrected areas: 29428623

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M  
Quant Title : SVOA CALIBRATION

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



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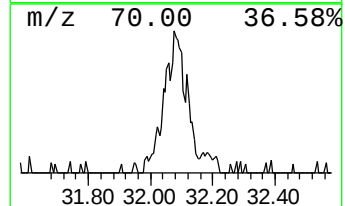
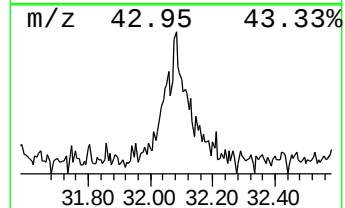
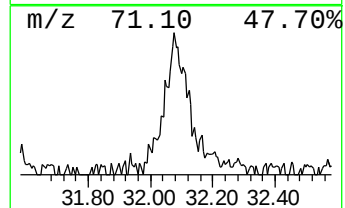
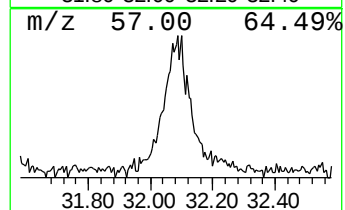
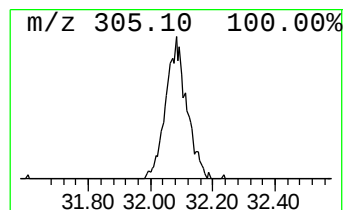
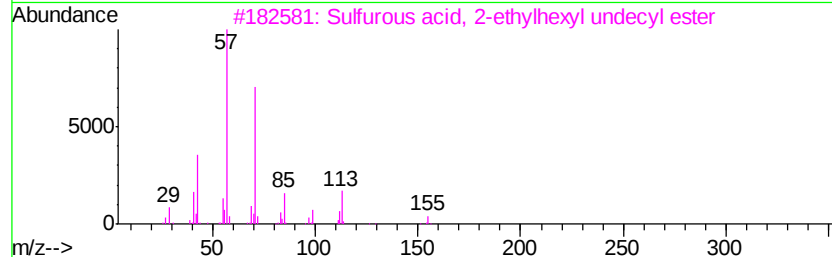
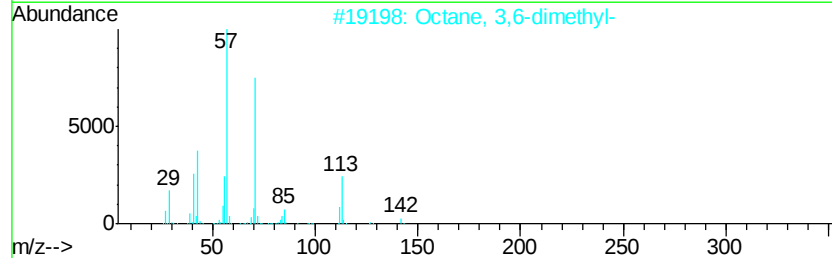
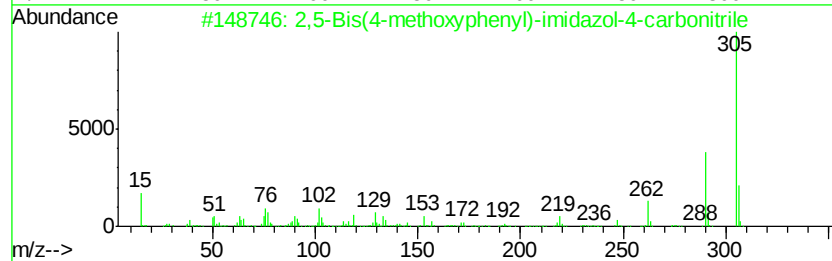
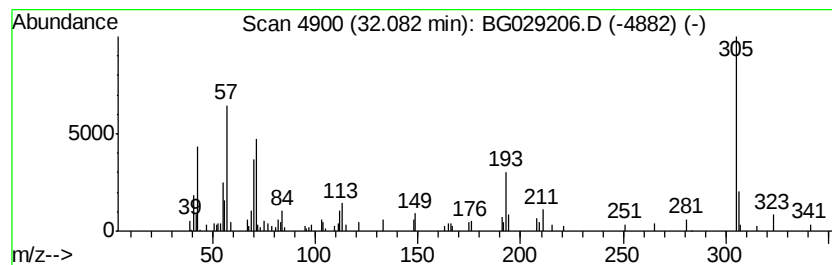
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Peak Number 1 unknown-01 Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.         |      |      |
|---------|-------------------------------------|--------------|------------------|--------------|------|------|
| 32.08   | 2.40 ng/ul                          | 212860       | Perylene-d12     | 25.10        |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 2,5-Bis(4-methoxyphenyl)-imidazo... | 305          | C18H15N3O2       | 189453-70-1  | 38   |      |
| 2       | Octane, 3,6-dimethyl-               | 142          | C10H22           | 015869-94-0  | 10   |      |
| 3       | Sulfurous acid, 2-ethylhexyl und... | 348          | C19H40O3S        | 1000309-19-4 | 10   |      |
| 4       | Heptane, 3-(bromomethyl)-           | 192          | C8H17Br          | 018908-66-2  | 10   |      |
| 5       | 2-Undecene, 5-methyl-               | 168          | C12H24           | 056851-34-4  | 10   |      |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 32.08 | 2.4     | ng/ul | 212860   | 6                     | 25.10 | 1772460 | 20.0 |