

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120420\  
 Data File : BG047604.D  
 Acq On : 5 Dec 2020 13:52  
 Operator : CG/JU  
 Sample : L4864-13  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0BH5

## 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\_G\METHODS\SOM-EPA-BG111920MA.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         | 3.384       | 7             | 8           | 12           | rBV2     | 2594           | 2434          | 0.15%           | 0.015%        |
| 2         | 3.590       | 38            | 43          | 47           | rBV3     | 7709           | 11539         | 0.73%           | 0.072%        |
| 3         | 3.860       | 84            | 89          | 93           | rBV3     | 8351           | 14125         | 0.90%           | 0.089%        |
| 4         | 3.960       | 104           | 106         | 110          | rVB2     | 2512           | 2513          | 0.16%           | 0.016%        |
| 5         | 4.101       | 128           | 130         | 134          | rBV      | 2254           | 3200          | 0.20%           | 0.020%        |
| 6         | 4.360       | 172           | 174         | 175          | rBV      | 2240           | 2113          | 0.13%           | 0.013%        |
| 7         | 4.935       | 269           | 272         | 275          | rVB      | 2619           | 3142          | 0.20%           | 0.020%        |
| 8         | 5.206       | 313           | 318         | 322          | rBV      | 1973           | 2635          | 0.17%           | 0.017%        |
| 9         | 5.341       | 337           | 341         | 342          | rBV      | 2026           | 2276          | 0.14%           | 0.014%        |
| 10        | 6.293       | 500           | 503         | 509          | rVB2     | 2362           | 4187          | 0.27%           | 0.026%        |
| 11        | 6.404       | 519           | 522         | 525          | rBV2     | 2371           | 2830          | 0.18%           | 0.018%        |
| 12        | 6.551       | 542           | 547         | 551          | rVB2     | 1960           | 3583          | 0.23%           | 0.022%        |
| 13        | 6.592       | 551           | 554         | 558          | rBV2     | 1909           | 2261          | 0.14%           | 0.014%        |
| 14        | 7.385       | 682           | 689         | 700          | rVB      | 222403         | 411162        | 26.12%          | 2.581%        |
| 15        | 7.562       | 712           | 719         | 727          | rBV      | 127448         | 220117        | 13.98%          | 1.382%        |
| 16        | 7.773       | 748           | 755         | 761          | rBV      | 216244         | 389250        | 24.72%          | 2.444%        |
| 17        | 7.820       | 761           | 763         | 769          | rVB      | 30640          | 39555         | 2.51%           | 0.248%        |
| 18        | 8.149       | 812           | 819         | 825          | rBV      | 2699           | 5468          | 0.35%           | 0.034%        |
| 19        | 8.249       | 829           | 836         | 843          | rVV2     | 112097         | 199826        | 12.69%          | 1.255%        |
| 20        | 8.942       | 945           | 954         | 963          | rBV2     | 274069         | 482206        | 30.63%          | 3.027%        |
| 21        | 9.418       | 1027          | 1035        | 1043         | rBV      | 219070         | 412563        | 26.20%          | 2.590%        |
| 22        | 10.141      | 1151          | 1158        | 1166         | rBV2     | 227830         | 419562        | 26.65%          | 2.634%        |
| 23        | 10.311      | 1184          | 1187        | 1190         | rBV2     | 1642           | 2383          | 0.15%           | 0.015%        |
| 24        | 10.687      | 1243          | 1251        | 1259         | rBV      | 300328         | 561543        | 35.67%          | 3.526%        |
| 25        | 11.075      | 1308          | 1317        | 1328         | rBV      | 148281         | 277740        | 17.64%          | 1.744%        |
| 26        | 11.199      | 1330          | 1338        | 1348         | rBV      | 273512         | 497916        | 31.63%          | 3.126%        |
| 27        | 11.545      | 1394          | 1397        | 1399         | rBV      | 2322           | 2350          | 0.15%           | 0.015%        |
| 28        | 11.627      | 1410          | 1411        | 1415         | rBV      | 1909           | 2419          | 0.15%           | 0.015%        |
| 29        | 12.638      | 1579          | 1583        | 1588         | rBV2     | 5274           | 7502          | 0.48%           | 0.047%        |
| 30        | 13.114      | 1659          | 1664        | 1667         | rBV2     | 1983           | 3444          | 0.22%           | 0.022%        |
| 31        | 13.749      | 1765          | 1772        | 1780         | rBV      | 263214         | 421480        | 26.77%          | 2.646%        |
| 32        | 14.254      | 1852          | 1858        | 1863         | rBV      | 579134         | 884866        | 56.20%          | 5.555%        |
| 33        | 14.301      | 1863          | 1866        | 1871         | rVB      | 165986         | 228684        | 14.53%          | 1.436%        |
| 34        | 14.559      | 1900          | 1910        | 1920         | rBV      | 581842         | 931793        | 59.18%          | 5.850%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 14.865 | 1954 | 1962 | 1970 | rBV2 | 249369 | 400986  | 25.47% | 2.518% |
| 36 | 15.029 | 1982 | 1990 | 2001 | rBV  | 326679 | 542293  | 34.44% | 3.405% |
| 37 | 15.247 | 2023 | 2027 | 2033 | rVV6 | 16737  | 26008   | 1.65%  | 0.163% |
| 38 | 15.335 | 2037 | 2042 | 2046 | rVB2 | 2624   | 4193    | 0.27%  | 0.026% |
| 39 | 15.370 | 2046 | 2048 | 2052 | rBV2 | 1399   | 2171    | 0.14%  | 0.014% |
| 40 | 15.852 | 2121 | 2130 | 2137 | rBV  | 778497 | 1209388 | 76.82% | 7.593% |
| 41 | 15.952 | 2140 | 2147 | 2156 | rBV  | 387815 | 574413  | 36.49% | 3.606% |
| 42 | 16.016 | 2156 | 2158 | 2161 | rVV2 | 3696   | 3729    | 0.24%  | 0.023% |
| 43 | 16.087 | 2164 | 2170 | 2176 | rBV4 | 10303  | 17287   | 1.10%  | 0.109% |
| 44 | 16.475 | 2234 | 2236 | 2239 | rBV  | 1821   | 2376    | 0.15%  | 0.015% |
| 45 | 16.628 | 2259 | 2262 | 2266 | rVB2 | 4145   | 4147    | 0.26%  | 0.026% |
| 46 | 16.974 | 2318 | 2321 | 2325 | rVB2 | 3028   | 3646    | 0.23%  | 0.023% |
| 47 | 17.192 | 2355 | 2358 | 2361 | rBV2 | 1787   | 2137    | 0.14%  | 0.013% |
| 48 | 17.244 | 2364 | 2367 | 2369 | rBV2 | 2094   | 2187    | 0.14%  | 0.014% |
| 49 | 17.391 | 2391 | 2392 | 2396 | rVB  | 3002   | 2458    | 0.16%  | 0.015% |
| 50 | 17.550 | 2414 | 2419 | 2420 | rBV  | 1987   | 2342    | 0.15%  | 0.015% |
| 51 | 17.597 | 2420 | 2427 | 2433 | rVV  | 357894 | 554818  | 35.24% | 3.483% |
| 52 | 17.697 | 2437 | 2444 | 2453 | rVB2 | 879749 | 1366636 | 86.80% | 8.580% |
| 53 | 17.761 | 2453 | 2455 | 2458 | rBV  | 3268   | 3394    | 0.22%  | 0.021% |
| 54 | 17.832 | 2465 | 2467 | 2470 | rVB  | 2530   | 2099    | 0.13%  | 0.013% |
| 55 | 17.955 | 2482 | 2488 | 2491 | rBV6 | 7107   | 13986   | 0.89%  | 0.088% |
| 56 | 18.002 | 2494 | 2496 | 2499 | rVB  | 2711   | 2233    | 0.14%  | 0.014% |
| 57 | 18.226 | 2529 | 2534 | 2535 | rBV  | 3117   | 3293    | 0.21%  | 0.021% |
| 58 | 18.237 | 2535 | 2536 | 2543 | rVV3 | 2944   | 4870    | 0.31%  | 0.031% |
| 59 | 18.337 | 2551 | 2553 | 2556 | rBV3 | 2534   | 3069    | 0.19%  | 0.019% |
| 60 | 18.425 | 2566 | 2568 | 2569 | rBV  | 2948   | 2171    | 0.14%  | 0.014% |
| 61 | 18.455 | 2569 | 2573 | 2575 | rVV3 | 3564   | 4778    | 0.30%  | 0.030% |
| 62 | 18.496 | 2577 | 2580 | 2582 | rBV  | 1808   | 2232    | 0.14%  | 0.014% |
| 63 | 18.625 | 2598 | 2602 | 2604 | rBV2 | 2783   | 3791    | 0.24%  | 0.024% |
| 64 | 18.937 | 2652 | 2655 | 2656 | rVB2 | 4268   | 2889    | 0.18%  | 0.018% |
| 65 | 19.119 | 2683 | 2686 | 2688 | rVB3 | 4443   | 4208    | 0.27%  | 0.026% |
| 66 | 19.142 | 2688 | 2690 | 2692 | rBV  | 3096   | 3063    | 0.19%  | 0.019% |
| 67 | 19.254 | 2706 | 2709 | 2710 | rBV2 | 2656   | 2526    | 0.16%  | 0.016% |
| 68 | 19.307 | 2714 | 2718 | 2723 | rBV5 | 31102  | 46498   | 2.95%  | 0.292% |
| 69 | 19.536 | 2755 | 2757 | 2759 | rVB3 | 3685   | 2128    | 0.14%  | 0.013% |
| 70 | 19.618 | 2764 | 2771 | 2776 | rVV4 | 31077  | 50233   | 3.19%  | 0.315% |
| 71 | 19.736 | 2789 | 2791 | 2793 | rBV2 | 3111   | 2477    | 0.16%  | 0.016% |

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 Title : SVOA CALIBRATION

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|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 19.759 | 2793 | 2795 | 2797 | rVB3 | 4400    | 3134    | 0.20%   | 0.020% |
| 73 | 19.783 | 2797 | 2799 | 2802 | rBV4 | 5150    | 7108    | 0.45%   | 0.045% |
| 74 | 19.853 | 2809 | 2811 | 2816 | rVB5 | 10608   | 13649   | 0.87%   | 0.086% |
| 75 | 19.965 | 2823 | 2830 | 2837 | rBV  | 1078215 | 1574381 | 100.00% | 9.884% |
| 76 | 20.065 | 2843 | 2847 | 2851 | rBV6 | 11961   | 14122   | 0.90%   | 0.089% |
| 77 | 20.259 | 2876 | 2880 | 2882 | rBV4 | 13582   | 14191   | 0.90%   | 0.089% |
| 78 | 20.294 | 2882 | 2886 | 2891 | rVB2 | 21583   | 27265   | 1.73%   | 0.171% |
| 79 | 21.252 | 3046 | 3049 | 3052 | rBV5 | 26080   | 30996   | 1.97%   | 0.195% |
| 80 | 21.293 | 3053 | 3056 | 3060 | rVB4 | 29547   | 33413   | 2.12%   | 0.210% |
| 81 | 21.481 | 3083 | 3088 | 3098 | rBV3 | 71462   | 136518  | 8.67%   | 0.857% |
| 82 | 21.880 | 3149 | 3156 | 3166 | rVB2 | 334542  | 591176  | 37.55%  | 3.712% |
| 83 | 22.021 | 3178 | 3180 | 3181 | rBV2 | 7892    | 6309    | 0.40%   | 0.040% |
| 84 | 22.438 | 3249 | 3251 | 3256 | rVB6 | 15891   | 21960   | 1.39%   | 0.138% |
| 85 | 23.872 | 3489 | 3495 | 3499 | rBV8 | 19509   | 39529   | 2.51%   | 0.248% |
| 86 | 25.035 | 3682 | 3693 | 3706 | rVB2 | 507891  | 1463919 | 92.98%  | 9.191% |
| 87 | 25.270 | 3723 | 3733 | 3744 | rVB2 | 198823  | 597048  | 37.92%  | 3.748% |
| 88 | 25.770 | 3816 | 3818 | 3821 | rVB4 | 7249    | 4152    | 0.26%   | 0.026% |
| 89 | 26.792 | 3990 | 3992 | 3993 | rBV2 | 6848    | 5256    | 0.33%   | 0.033% |
| 90 | 31.234 | 4746 | 4748 | 4749 | rBV2 | 6990    | 3930    | 0.25%   | 0.025% |

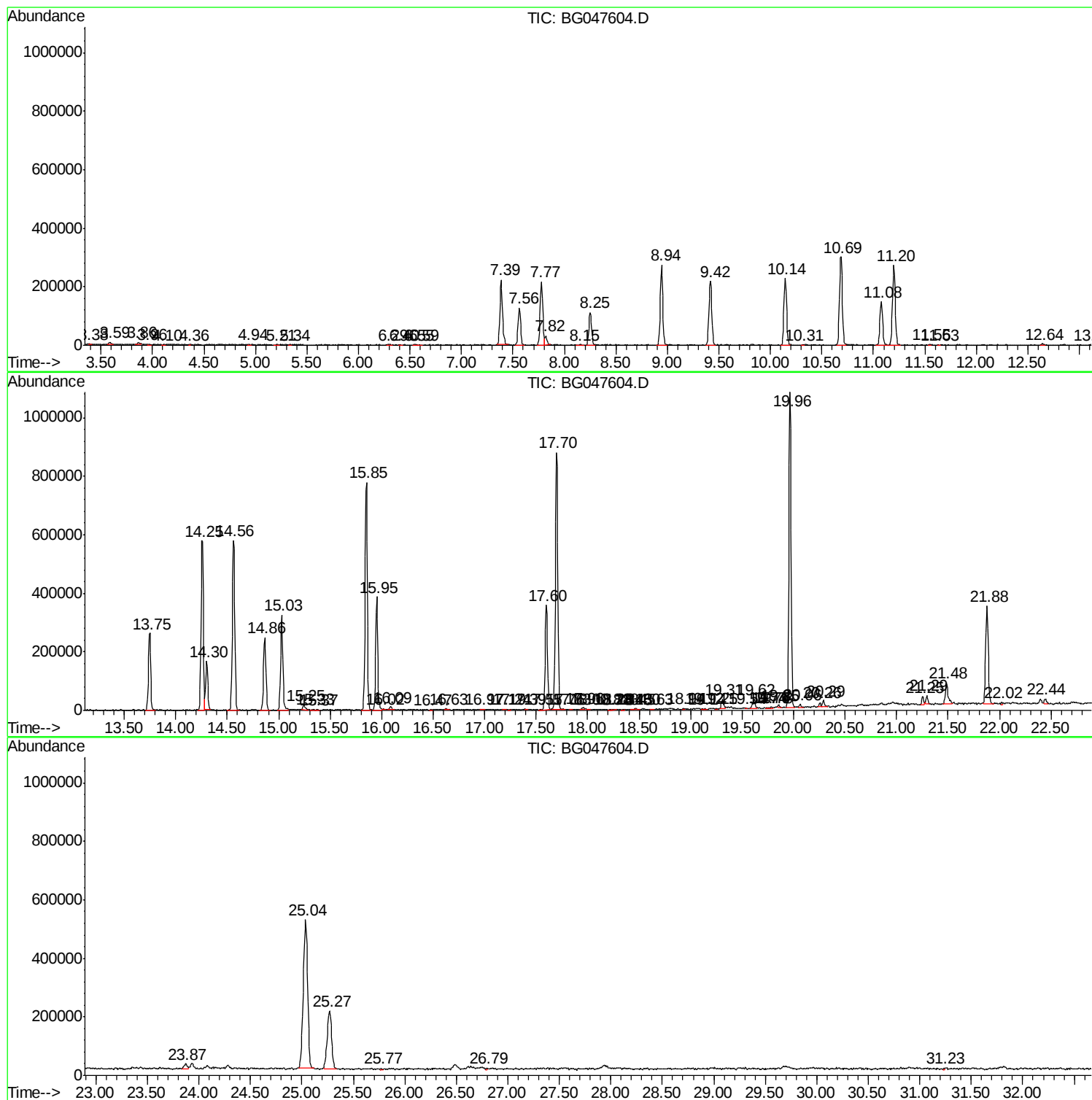
Sum of corrected areas: 15927876

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION

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



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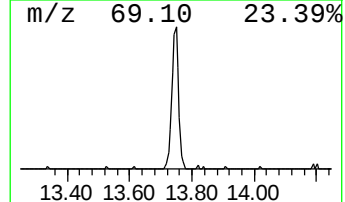
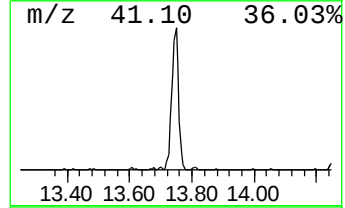
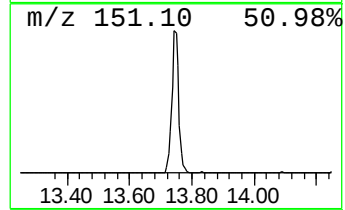
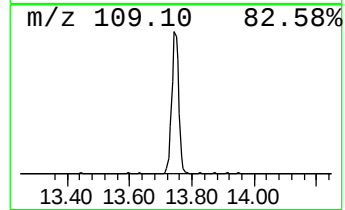
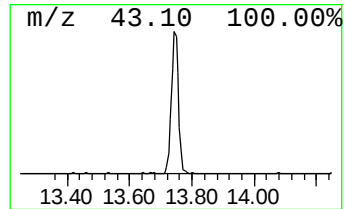
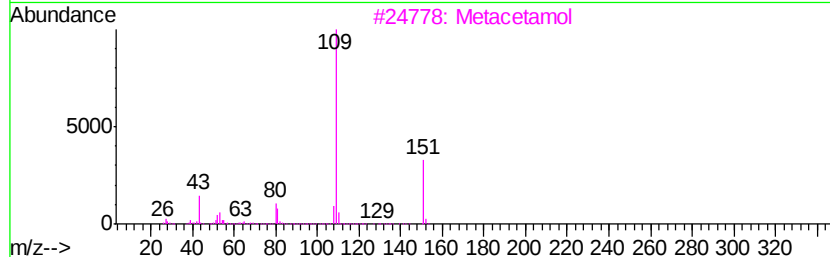
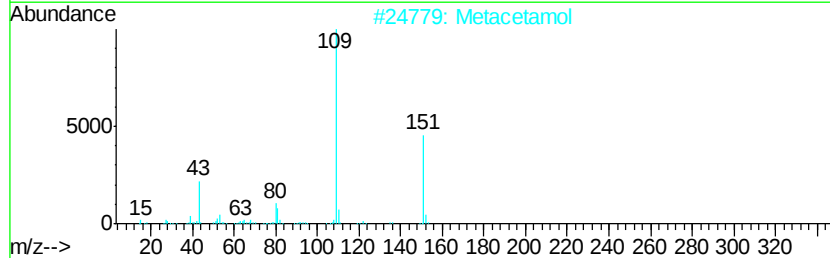
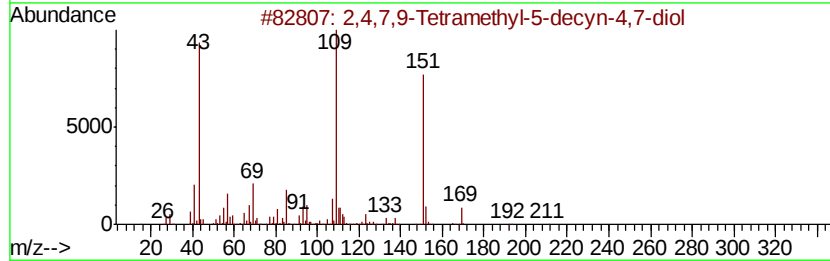
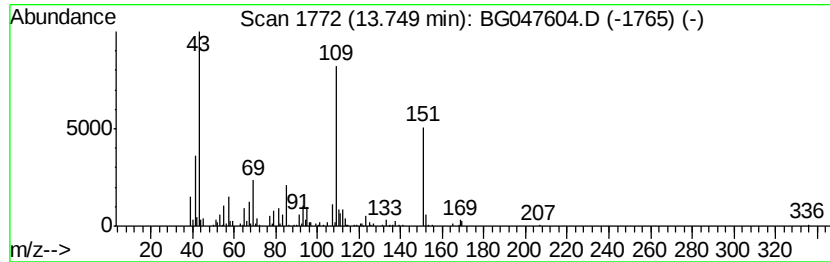
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.75     | 21.02 ng/ul                         | 421480 | Acenaphthene-d10 | 14.86       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226    | C14H26O2         | 000126-86-3 | 87   |
| 2         | Metacetamol                         | 151    | C8H9NO2          | 000621-42-1 | 52   |
| 3         | Metacetamol                         | 151    | C8H9NO2          | 000621-42-1 | 50   |
| 4         | Acetaminophen                       | 151    | C8H9NO2          | 000103-90-2 | 50   |
| 5         | p-Isopropoxyaniline                 | 151    | C9H13NO          | 007664-66-6 | 50   |



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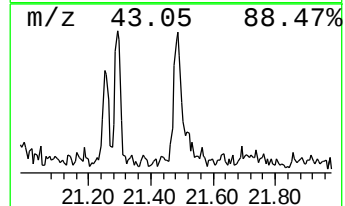
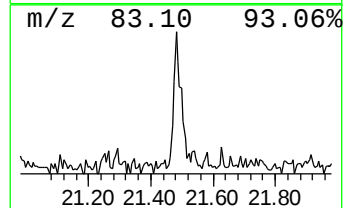
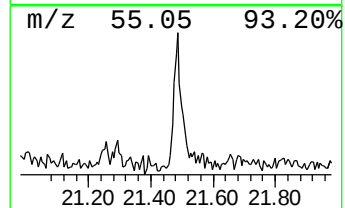
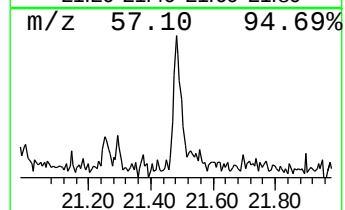
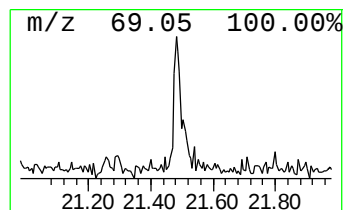
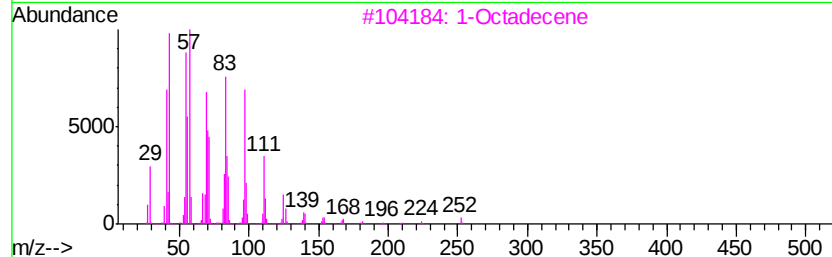
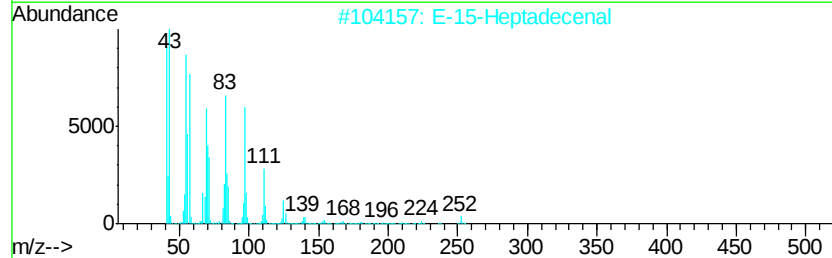
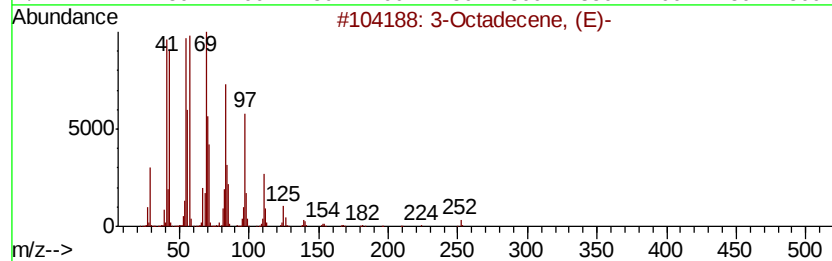
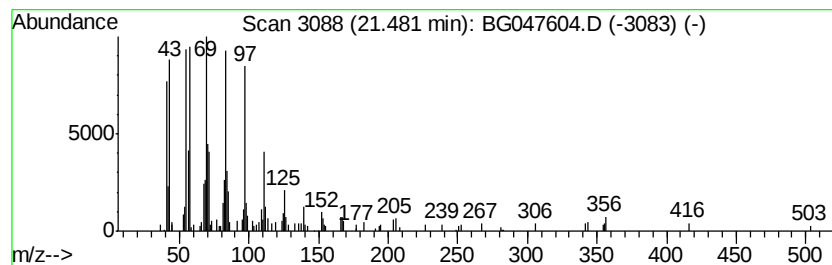
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.48 | 4.62 ng/ul | 136518 | Chrysene-d12     | 21.88 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------|-----|----------|--------------|------|
| 1    | 5  | 3-Octadecene, (E)-             | 252 | C18H36   | 007206-19-1  | 96   |
| 2    |    | E-15-Heptadecenal              | 252 | C17H32O  | 1000130-97-9 | 95   |
| 3    |    | 1-Octadecene                   | 252 | C18H36   | 000112-88-9  | 89   |
| 4    |    | 9-Octadecene, (E)-             | 252 | C18H36   | 007206-25-9  | 89   |
| 5    |    | Pentadec-7-ene, 7-bromomethyl- | 302 | C16H31Br | 1000259-58-5 | 83   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2,4,7,9-Tetrameth... | 13.75 | 21.0    | ng/ul | 421480   | 3                     | 14.86 | 400986 | 20.0 |
| (DEL) Alkane: Str... | 21.48 | 4.6     | ng/ul | 136518   | 5                     | 21.88 | 591176 | 20.0 |