

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\  
 Data File : BM026993.D  
 Acq On : 04 Aug 2020 00:06  
 Operator : JU/CG  
 Sample : L3531-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F4L07

## 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\_M\METHODS\SOM-EPA-BM072720MA.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         | 3.222       | 36            | 40          | 44           | rVB      | 26124          | 33311         | 1.00%           | 0.102%        |
| 2         | 3.851       | 143           | 147         | 150          | rBV2     | 6717           | 9276          | 0.28%           | 0.028%        |
| 3         | 3.934       | 157           | 161         | 168          | rVB2     | 8526           | 12594         | 0.38%           | 0.039%        |
| 4         | 4.422       | 241           | 244         | 250          | rVB2     | 6834           | 10754         | 0.32%           | 0.033%        |
| 5         | 4.828       | 310           | 313         | 320          | rVB5     | 4633           | 7951          | 0.24%           | 0.024%        |
| 6         | 5.628       | 445           | 449         | 452          | rBV4     | 5637           | 7820          | 0.23%           | 0.024%        |
| 7         | 5.740       | 464           | 468         | 472          | rVB6     | 3617           | 6068          | 0.18%           | 0.019%        |
| 8         | 5.787       | 474           | 476         | 481          | rVB5     | 3378           | 5535          | 0.17%           | 0.017%        |
| 9         | 6.839       | 643           | 655         | 662          | rBV      | 145554         | 244787        | 7.33%           | 0.751%        |
| 10        | 6.998       | 675           | 682         | 692          | rBV      | 436556         | 669114        | 20.03%          | 2.053%        |
| 11        | 7.198       | 709           | 716         | 724          | rBV      | 509536         | 791417        | 23.69%          | 2.428%        |
| 12        | 7.287       | 727           | 731         | 740          | rVB8     | 6705           | 15348         | 0.46%           | 0.047%        |
| 13        | 7.663       | 787           | 795         | 804          | rBV      | 482478         | 750195        | 22.46%          | 2.301%        |
| 14        | 7.739       | 804           | 808         | 814          | rVB      | 13179          | 19938         | 0.60%           | 0.061%        |
| 15        | 8.363       | 907           | 914         | 924          | rBV      | 395141         | 614738        | 18.40%          | 1.886%        |
| 16        | 8.469       | 928           | 932         | 939          | rVB5     | 5183           | 10092         | 0.30%           | 0.031%        |
| 17        | 8.745       | 974           | 979         | 982          | rBV      | 24891          | 38330         | 1.15%           | 0.118%        |
| 18        | 8.798       | 982           | 988         | 1000         | rVB      | 571648         | 947954        | 28.38%          | 2.908%        |
| 19        | 9.522       | 1102          | 1111        | 1119         | rBV      | 487772         | 809393        | 24.23%          | 2.483%        |
| 20        | 10.057      | 1195          | 1202        | 1216         | rBV      | 717939         | 1184178       | 35.45%          | 3.633%        |
| 21        | 10.351      | 1245          | 1252        | 1257         | rVB5     | 4188           | 8503          | 0.25%           | 0.026%        |
| 22        | 10.433      | 1259          | 1266        | 1273         | rBV      | 632921         | 1032684       | 30.92%          | 3.168%        |
| 23        | 10.563      | 1282          | 1288        | 1298         | rVB      | 59188          | 106280        | 3.18%           | 0.326%        |
| 24        | 11.604      | 1463          | 1465        | 1469         | rVB3     | 2434           | 3419          | 0.10%           | 0.010%        |
| 25        | 11.722      | 1477          | 1485        | 1492         | rBV      | 25088          | 38755         | 1.16%           | 0.119%        |
| 26        | 12.022      | 1531          | 1536        | 1542         | rBV2     | 10577          | 18281         | 0.55%           | 0.056%        |
| 27        | 12.333      | 1583          | 1589        | 1593         | rVB3     | 2783           | 4750          | 0.14%           | 0.015%        |
| 28        | 12.592      | 1627          | 1633        | 1637         | rBV5     | 7994           | 11773         | 0.35%           | 0.036%        |
| 29        | 12.663      | 1640          | 1645        | 1649         | rVB5     | 3789           | 5640          | 0.17%           | 0.017%        |
| 30        | 12.916      | 1682          | 1688        | 1694         | rBV4     | 10155          | 16689         | 0.50%           | 0.051%        |
| 31        | 13.133      | 1722          | 1725        | 1732         | rBV3     | 6980           | 10933         | 0.33%           | 0.034%        |
| 32        | 13.204      | 1732          | 1737        | 1743         | rVV3     | 26201          | 41122         | 1.23%           | 0.126%        |
| 33        | 13.257      | 1743          | 1746        | 1753         | rVB4     | 2800           | 4585          | 0.14%           | 0.014%        |
| 34        | 13.710      | 1816          | 1823        | 1827         | rBV      | 1308766        | 1807146       | 54.10%          | 5.544%        |

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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.751 | 1827 | 1830 | 1841 | rVB  | 146894  | 204903  | 6.13%  | 0.629% |
| 36 | 13.980 | 1861 | 1869 | 1884 | rBV  | 1435053 | 2093814 | 62.69% | 6.424% |
| 37 | 14.227 | 1903 | 1911 | 1914 | rVB3 | 7981    | 11533   | 0.35%  | 0.035% |
| 38 | 14.292 | 1914 | 1922 | 1934 | rBV3 | 930661  | 1477613 | 44.24% | 4.533% |
| 39 | 14.386 | 1934 | 1938 | 1943 | rVB2 | 21796   | 30732   | 0.92%  | 0.094% |
| 40 | 14.486 | 1949 | 1955 | 1964 | rBV  | 153976  | 231524  | 6.93%  | 0.710% |
| 41 | 14.727 | 1991 | 1996 | 2000 | rBV4 | 2597    | 5123    | 0.15%  | 0.016% |
| 42 | 14.898 | 2019 | 2025 | 2030 | rBV2 | 8206    | 13339   | 0.40%  | 0.041% |
| 43 | 14.980 | 2034 | 2039 | 2044 | rVV  | 19876   | 31511   | 0.94%  | 0.097% |
| 44 | 15.045 | 2044 | 2050 | 2055 | rVV2 | 25210   | 43787   | 1.31%  | 0.134% |
| 45 | 15.121 | 2057 | 2063 | 2068 | rVV5 | 10252   | 17519   | 0.52%  | 0.054% |
| 46 | 15.180 | 2068 | 2073 | 2077 | rVB3 | 9175    | 13194   | 0.40%  | 0.040% |
| 47 | 15.286 | 2085 | 2091 | 2100 | rBV  | 1861485 | 2601473 | 77.88% | 7.981% |
| 48 | 15.404 | 2105 | 2111 | 2118 | rBV  | 545870  | 752360  | 22.52% | 2.308% |
| 49 | 15.527 | 2127 | 2132 | 2136 | rVB2 | 22415   | 31168   | 0.93%  | 0.096% |
| 50 | 15.580 | 2140 | 2141 | 2148 | rVB6 | 3269    | 4796    | 0.14%  | 0.015% |
| 51 | 15.657 | 2148 | 2154 | 2157 | rBV4 | 8629    | 14398   | 0.43%  | 0.044% |
| 52 | 15.980 | 2204 | 2209 | 2214 | rVB3 | 9070    | 12641   | 0.38%  | 0.039% |
| 53 | 16.039 | 2216 | 2219 | 2222 | rBV3 | 5712    | 6783    | 0.20%  | 0.021% |
| 54 | 16.068 | 2222 | 2224 | 2227 | rBV3 | 5053    | 6500    | 0.19%  | 0.020% |
| 55 | 16.209 | 2242 | 2248 | 2251 | rVB4 | 3558    | 5777    | 0.17%  | 0.018% |
| 56 | 16.268 | 2253 | 2258 | 2260 | rVV6 | 2399    | 4322    | 0.13%  | 0.013% |
| 57 | 16.304 | 2260 | 2264 | 2268 | rVB  | 10181   | 12960   | 0.39%  | 0.040% |
| 58 | 16.451 | 2284 | 2289 | 2292 | rBV7 | 2027    | 3779    | 0.11%  | 0.012% |
| 59 | 16.645 | 2319 | 2322 | 2327 | rVB3 | 7114    | 9407    | 0.28%  | 0.029% |
| 60 | 16.715 | 2331 | 2334 | 2338 | rVB6 | 2750    | 4083    | 0.12%  | 0.013% |
| 61 | 16.804 | 2342 | 2349 | 2351 | rBV4 | 8910    | 14569   | 0.44%  | 0.045% |
| 62 | 17.033 | 2380 | 2388 | 2398 | rBV  | 1146792 | 1553064 | 46.50% | 4.765% |
| 63 | 17.133 | 2398 | 2405 | 2414 | rBV  | 2207303 | 2999211 | 89.79% | 9.201% |
| 64 | 17.274 | 2424 | 2429 | 2434 | rBV6 | 7605    | 14310   | 0.43%  | 0.044% |
| 65 | 17.721 | 2499 | 2505 | 2511 | rBV  | 330939  | 411370  | 12.32% | 1.262% |
| 66 | 17.851 | 2521 | 2527 | 2528 | rBV5 | 2677    | 5034    | 0.15%  | 0.015% |
| 67 | 17.951 | 2539 | 2544 | 2551 | rBV  | 97086   | 138747  | 4.15%  | 0.426% |
| 68 | 18.015 | 2553 | 2555 | 2557 | rVB  | 4274    | 3810    | 0.11%  | 0.012% |
| 69 | 18.156 | 2575 | 2579 | 2583 | rBV4 | 16446   | 22192   | 0.66%  | 0.068% |
| 70 | 18.198 | 2583 | 2586 | 2590 | rVV5 | 7812    | 9117    | 0.27%  | 0.028% |
| 71 | 18.250 | 2592 | 2595 | 2600 | rVV6 | 6382    | 10976   | 0.33%  | 0.034% |

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|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 18.303 | 2602 | 2604 | 2607 | rVB4 | 3797    | 3901    | 0.12%   | 0.012%  |
| 73 | 18.556 | 2644 | 2647 | 2651 | rVB5 | 4652    | 5416    | 0.16%   | 0.017%  |
| 74 | 18.727 | 2672 | 2676 | 2680 | rBV  | 16553   | 18519   | 0.55%   | 0.057%  |
| 75 | 18.992 | 2719 | 2721 | 2724 | rBV4 | 4144    | 4446    | 0.13%   | 0.014%  |
| 76 | 19.062 | 2728 | 2733 | 2738 | rBV  | 23476   | 37015   | 1.11%   | 0.114%  |
| 77 | 19.233 | 2759 | 2762 | 2770 | rBV4 | 27041   | 36339   | 1.09%   | 0.111%  |
| 78 | 19.315 | 2772 | 2776 | 2781 | rVB  | 21790   | 30706   | 0.92%   | 0.094%  |
| 79 | 19.427 | 2789 | 2795 | 2802 | rBV  | 2531805 | 3340211 | 100.00% | 10.247% |
| 80 | 19.974 | 2884 | 2888 | 2889 | rBV4 | 10595   | 13202   | 0.40%   | 0.041%  |
| 81 | 20.956 | 3051 | 3055 | 3060 | rBV  | 293985  | 340424  | 10.19%  | 1.044%  |
| 82 | 21.221 | 3095 | 3100 | 3108 | rBV  | 1356456 | 1643025 | 49.19%  | 5.041%  |
| 83 | 23.285 | 3444 | 3451 | 3459 | rBV  | 1750144 | 3161982 | 94.66%  | 9.701%  |
| 84 | 23.356 | 3461 | 3463 | 3468 | rVV  | 95640   | 134965  | 4.04%   | 0.414%  |
| 85 | 23.427 | 3468 | 3475 | 3484 | rVB2 | 819033  | 1561143 | 46.74%  | 4.789%  |
| 86 | 23.997 | 3569 | 3572 | 3579 | rVB3 | 89075   | 137918  | 4.13%   | 0.423%  |

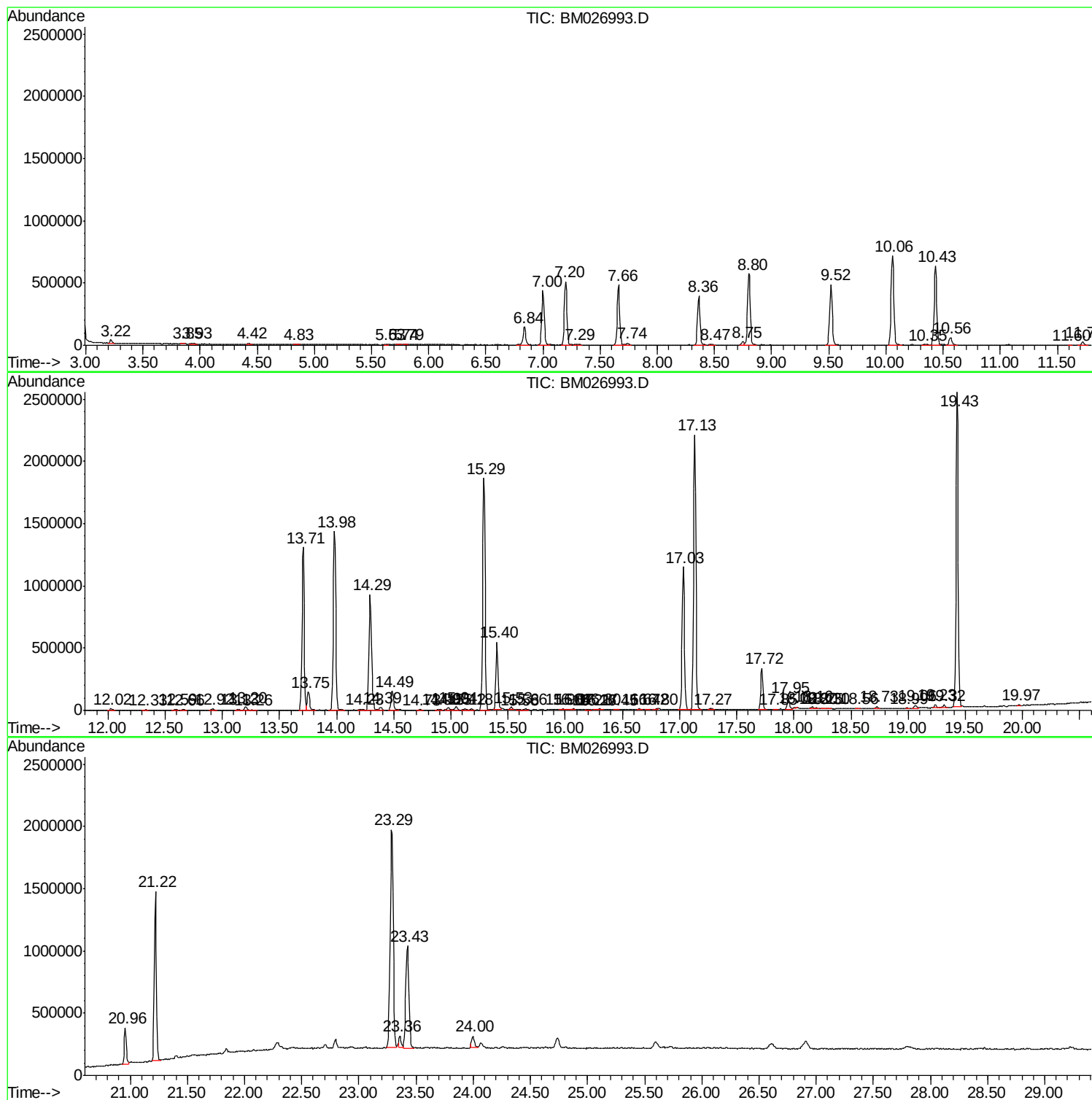
Sum of corrected areas: 32596004

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072720MA.M  
Quant Title : SVOA CALIBRATION

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



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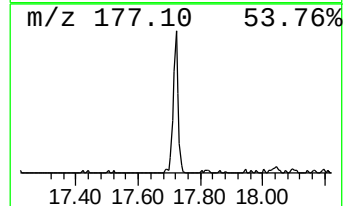
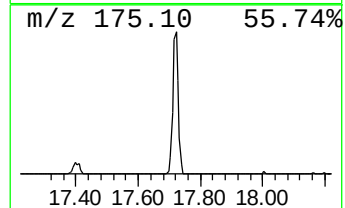
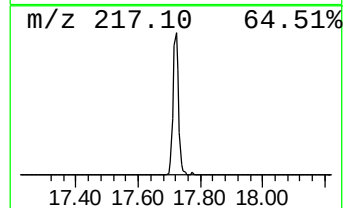
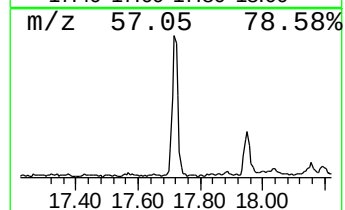
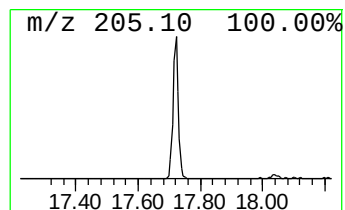
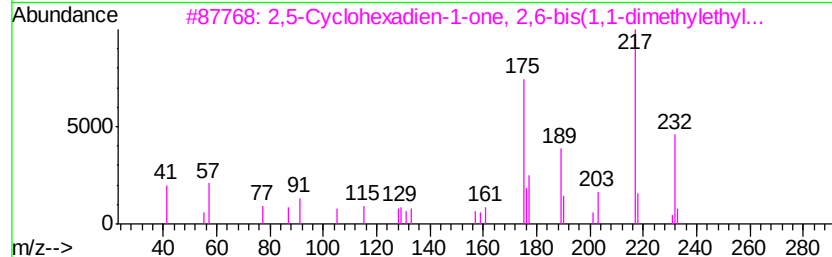
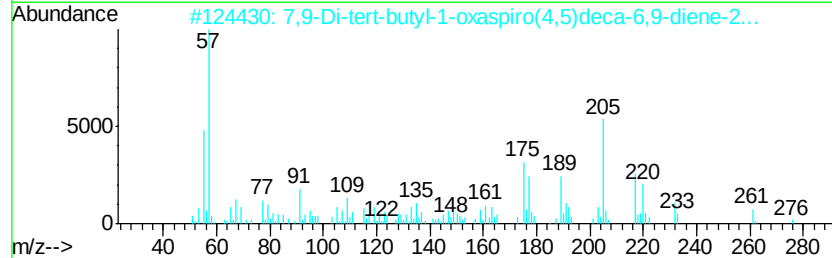
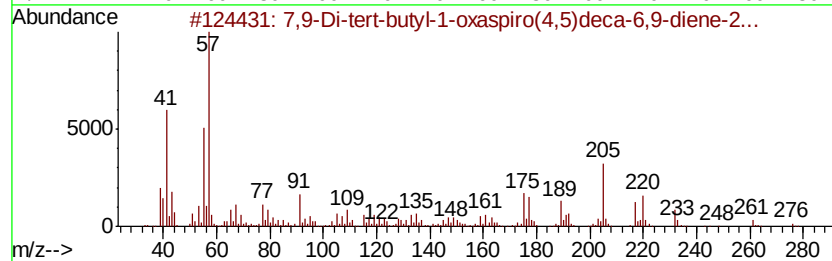
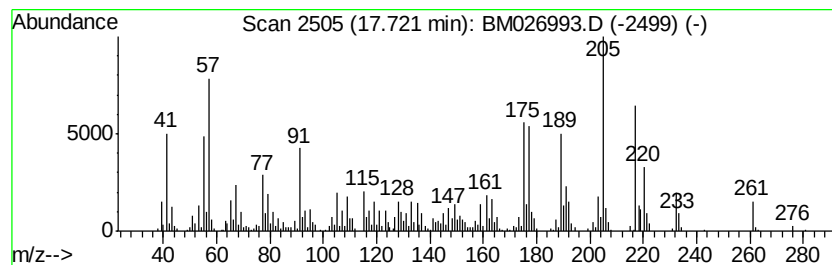
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.    | EstConc                                                | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------------------------------------|--------------|------------------|-----------|
| 17.72   | 5.30 ng/ul                                             | 411370       | Phenanthrene-d10 | 17.03     |
| Hit# of | 5                                                      | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one  | 276 C17H24O3 | 082304-66-3      | 96        |
| 2       | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one  | 276 C17H24O3 | 082304-66-3      | 95        |
| 3       | 2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-   | 232 C16H24O  | 006738-27-8      | 42        |
| 4       | Ethanone, 1-(5,6,7,8-tetrahydro-2H-1-benzopyran-6-yl)- | 220 C14H20O2 | 071596-88-8      | 41        |
| 5       | 2H-1-Benzopyran, 6,7-dimethoxy-2-one                   | 220 C13H16O3 | 000644-06-4      | 38        |



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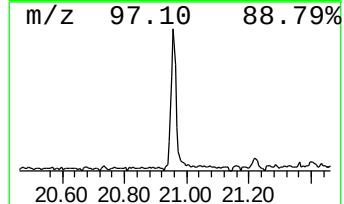
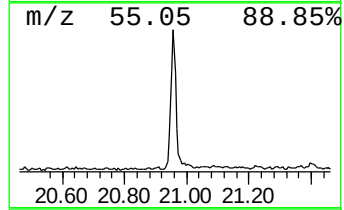
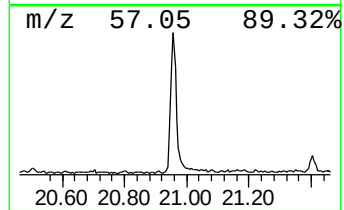
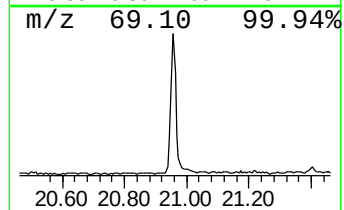
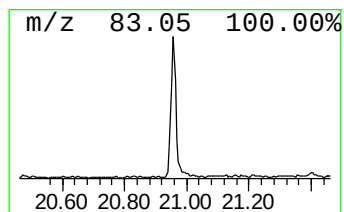
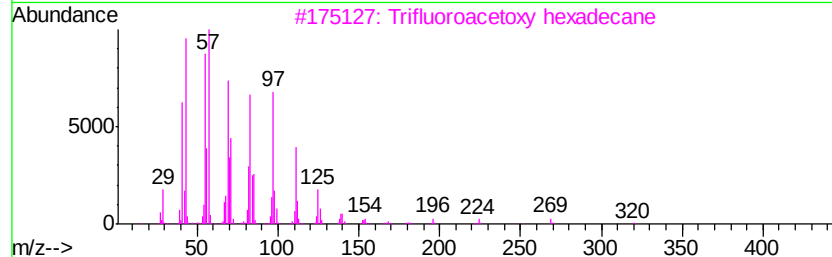
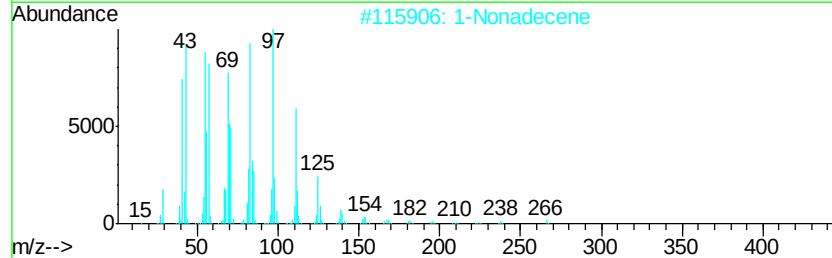
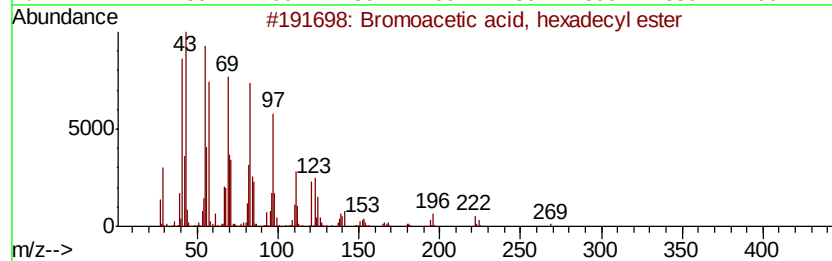
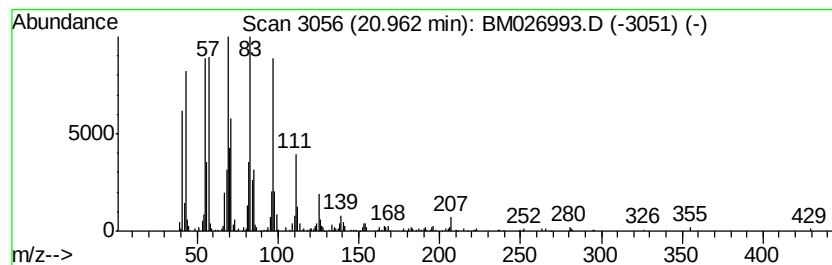
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Bromoacetic acid, hexadecyl... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.96 | 4.14 ng/ul | 340424 | Chrysene-d12     | 21.22 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Bromoacetic acid, hexadecyl ester   | 362 | C18H35BrO2  | 005454-48-8 | 91   |
| 2    |    | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 90   |
| 3    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3 | 83   |
| 4    |    | Cyclotetradecane                    | 196 | C14H28      | 000295-17-0 | 83   |
| 5    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 81   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 7,9-Di-tert-butyl... | 17.72 | 5.3     | ng/ul | 411370   | 4                     | 17.03 | 1553060 | 20.0 |
| Bromoacetic acid,... | 20.96 | 4.1     | ng/ul | 340424   | 5                     | 21.22 | 1643030 | 20.0 |