

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120320\  
 Data File : BG047541.D  
 Acq On : 3 Dec 2020 16:43  
 Operator : CG/JU  
 Sample : L4865-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B20

## 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         | 4.121       | 130           | 133         | 139          | rVB3     | 6705           | 11052         | 1.31%           | 0.173%        |
| 2         | 4.362       | 171           | 174         | 177          | rBV2     | 2382           | 3641          | 0.43%           | 0.057%        |
| 3         | 4.644       | 220           | 222         | 227          | rBV      | 2323           | 2601          | 0.31%           | 0.041%        |
| 4         | 4.744       | 236           | 239         | 240          | rVB      | 2237           | 2144          | 0.25%           | 0.034%        |
| 5         | 5.297       | 327           | 333         | 334          | rBV2     | 6115           | 8865          | 1.05%           | 0.139%        |
| 6         | 5.467       | 359           | 362         | 363          | rVB2     | 2460           | 1925          | 0.23%           | 0.030%        |
| 7         | 5.678       | 396           | 398         | 401          | rBV2     | 1953           | 2011          | 0.24%           | 0.032%        |
| 8         | 5.837       | 422           | 425         | 426          | rBV2     | 2441           | 2041          | 0.24%           | 0.032%        |
| 9         | 6.049       | 458           | 461         | 463          | rBV2     | 1621           | 1936          | 0.23%           | 0.030%        |
| 10        | 6.742       | 576           | 579         | 581          | rBV      | 1904           | 2314          | 0.27%           | 0.036%        |
| 11        | 6.783       | 584           | 586         | 590          | rBV      | 1860           | 1955          | 0.23%           | 0.031%        |
| 12        | 6.895       | 603           | 605         | 609          | rVB      | 1890           | 2325          | 0.27%           | 0.036%        |
| 13        | 6.977       | 615           | 619         | 621          | rVB      | 1790           | 2070          | 0.24%           | 0.032%        |
| 14        | 7.382       | 680           | 688         | 700          | rVB3     | 64576          | 135630        | 16.02%          | 2.128%        |
| 15        | 7.559       | 712           | 718         | 728          | rVB      | 42428          | 74455         | 8.79%           | 1.168%        |
| 16        | 7.770       | 748           | 754         | 763          | rVB3     | 62911          | 119446        | 14.11%          | 1.874%        |
| 17        | 8.246       | 829           | 835         | 844          | rVB2     | 123841         | 227611        | 26.89%          | 3.572%        |
| 18        | 8.939       | 946           | 953         | 961          | rBV2     | 58593          | 103511        | 12.23%          | 1.624%        |
| 19        | 9.415       | 1028          | 1034        | 1041         | rBV2     | 65489          | 120970        | 14.29%          | 1.898%        |
| 20        | 9.480       | 1041          | 1045        | 1049         | rVB4     | 7082           | 8469          | 1.00%           | 0.133%        |
| 21        | 10.144      | 1151          | 1158        | 1165         | rVB2     | 63622          | 115175        | 13.60%          | 1.807%        |
| 22        | 10.684      | 1243          | 1250        | 1257         | rVB3     | 84823          | 156521        | 18.49%          | 2.456%        |
| 23        | 11.078      | 1310          | 1317        | 1323         | rBV2     | 154782         | 285609        | 33.74%          | 4.482%        |
| 24        | 11.195      | 1331          | 1337        | 1345         | rVB2     | 55182          | 106831        | 12.62%          | 1.676%        |
| 25        | 12.118      | 1491          | 1494        | 1497         | rBV2     | 1785           | 2056          | 0.24%           | 0.032%        |
| 26        | 12.459      | 1550          | 1552        | 1555         | rVB      | 3171           | 2546          | 0.30%           | 0.040%        |
| 27        | 12.494      | 1555          | 1558        | 1559         | rBV      | 2598           | 1889          | 0.22%           | 0.030%        |
| 28        | 12.711      | 1592          | 1595        | 1597         | rBV      | 1908           | 2317          | 0.27%           | 0.036%        |
| 29        | 13.986      | 1808          | 1812        | 1814         | rBV      | 1540           | 2147          | 0.25%           | 0.034%        |
| 30        | 14.027      | 1817          | 1819        | 1822         | rVB      | 2327           | 1958          | 0.23%           | 0.031%        |
| 31        | 14.257      | 1851          | 1858        | 1862         | rBV      | 165713         | 248858        | 29.40%          | 3.905%        |
| 32        | 14.298      | 1862          | 1865        | 1873         | rVB      | 26975          | 39618         | 4.68%           | 0.622%        |
| 33        | 14.556      | 1903          | 1909        | 1916         | rBV      | 162044         | 263554        | 31.13%          | 4.136%        |
| 34        | 14.862      | 1954          | 1961        | 1968         | rVV2     | 264443         | 416953        | 49.25%          | 6.543%        |

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

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 14.926 | 1968 | 1972 | 1976 | rVB2 | 2792   | 3467   | 0.41%   | 0.054%  |
| 36 | 15.020 | 1982 | 1988 | 1995 | rBV2 | 63902  | 106335 | 12.56%  | 1.669%  |
| 37 | 15.197 | 2014 | 2018 | 2020 | rBV2 | 2290   | 3612   | 0.43%   | 0.057%  |
| 38 | 15.255 | 2023 | 2028 | 2034 | rBV2 | 10537  | 15815  | 1.87%   | 0.248%  |
| 39 | 15.514 | 2070 | 2072 | 2074 | rBV  | 2314   | 2585   | 0.31%   | 0.041%  |
| 40 | 15.626 | 2089 | 2091 | 2094 | rVB  | 2205   | 2264   | 0.27%   | 0.036%  |
| 41 | 15.849 | 2121 | 2129 | 2136 | rBV  | 213481 | 344345 | 40.67%  | 5.404%  |
| 42 | 15.949 | 2141 | 2146 | 2156 | rVV2 | 69381  | 109082 | 12.88%  | 1.712%  |
| 43 | 16.148 | 2179 | 2180 | 2184 | rBV2 | 2125   | 2085   | 0.25%   | 0.033%  |
| 44 | 16.395 | 2218 | 2222 | 2224 | rBV2 | 1703   | 1908   | 0.23%   | 0.030%  |
| 45 | 16.542 | 2245 | 2247 | 2249 | rBV  | 3088   | 3176   | 0.38%   | 0.050%  |
| 46 | 17.124 | 2343 | 2346 | 2349 | rBV2 | 6936   | 6959   | 0.82%   | 0.109%  |
| 47 | 17.241 | 2364 | 2366 | 2371 | rVB4 | 8892   | 13017  | 1.54%   | 0.204%  |
| 48 | 17.324 | 2374 | 2380 | 2384 | rBV5 | 4876   | 11654  | 1.38%   | 0.183%  |
| 49 | 17.388 | 2388 | 2391 | 2392 | rBV  | 3840   | 3721   | 0.44%   | 0.058%  |
| 50 | 17.506 | 2410 | 2411 | 2414 | rBV  | 2515   | 2485   | 0.29%   | 0.039%  |
| 51 | 17.600 | 2420 | 2427 | 2431 | rBV  | 357172 | 586213 | 69.24%  | 9.199%  |
| 52 | 17.694 | 2438 | 2443 | 2448 | rBV2 | 241673 | 356834 | 42.15%  | 5.600%  |
| 53 | 17.905 | 2475 | 2479 | 2481 | rBV  | 1836   | 2261   | 0.27%   | 0.035%  |
| 54 | 17.982 | 2490 | 2492 | 2499 | rVB  | 15108  | 22657  | 2.68%   | 0.356%  |
| 55 | 18.170 | 2522 | 2524 | 2529 | rBV4 | 4660   | 7453   | 0.88%   | 0.117%  |
| 56 | 18.211 | 2529 | 2531 | 2534 | rVB2 | 3274   | 3040   | 0.36%   | 0.048%  |
| 57 | 18.463 | 2572 | 2574 | 2578 | rVB  | 14196  | 15584  | 1.84%   | 0.245%  |
| 58 | 18.510 | 2579 | 2582 | 2588 | rVB3 | 22446  | 35682  | 4.21%   | 0.560%  |
| 59 | 18.657 | 2601 | 2607 | 2612 | rBV7 | 20232  | 45027  | 5.32%   | 0.707%  |
| 60 | 18.951 | 2654 | 2657 | 2661 | rBV2 | 17562  | 28393  | 3.35%   | 0.446%  |
| 61 | 18.992 | 2661 | 2664 | 2669 | rVB3 | 43809  | 59772  | 7.06%   | 0.938%  |
| 62 | 19.368 | 2725 | 2728 | 2733 | rVB5 | 19616  | 25189  | 2.98%   | 0.395%  |
| 63 | 19.509 | 2748 | 2752 | 2757 | rBV4 | 18814  | 32884  | 3.88%   | 0.516%  |
| 64 | 19.633 | 2767 | 2773 | 2778 | rVB  | 279794 | 410737 | 48.52%  | 6.446%  |
| 65 | 19.962 | 2823 | 2829 | 2832 | rBV2 | 388098 | 655001 | 77.37%  | 10.279% |
| 66 | 21.489 | 3085 | 3089 | 3094 | rBV4 | 78217  | 125494 | 14.82%  | 1.969%  |
| 67 | 21.877 | 3148 | 3155 | 3160 | rBV2 | 424216 | 846597 | 100.00% | 13.286% |

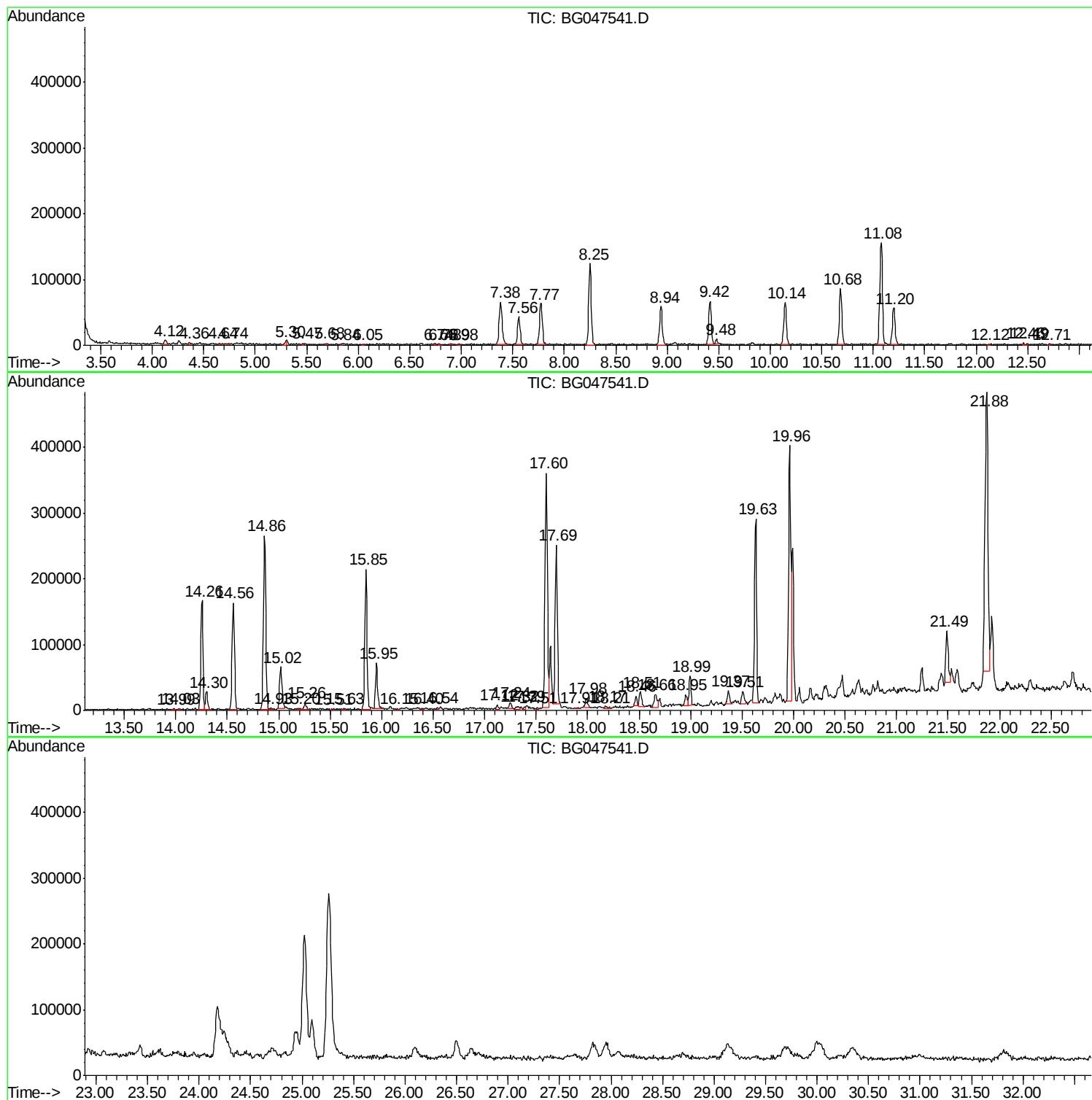
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Instrument :  
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ClientSampled :  
C0B20

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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Instrument :  
BNA\_G  
ClientSampleId :  
C0B20

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

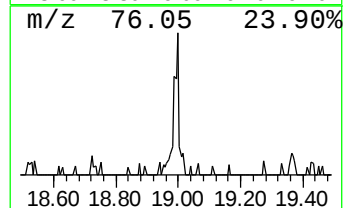
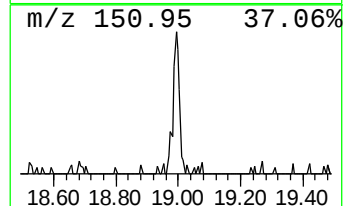
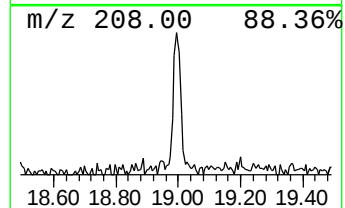
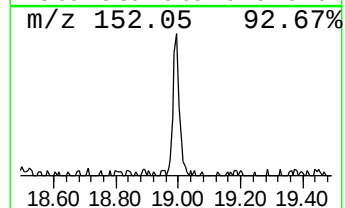
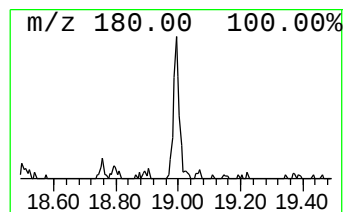
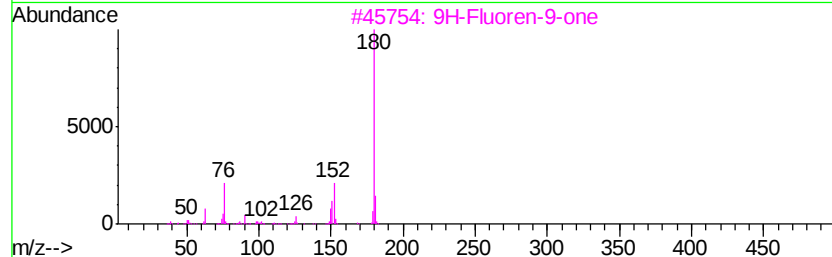
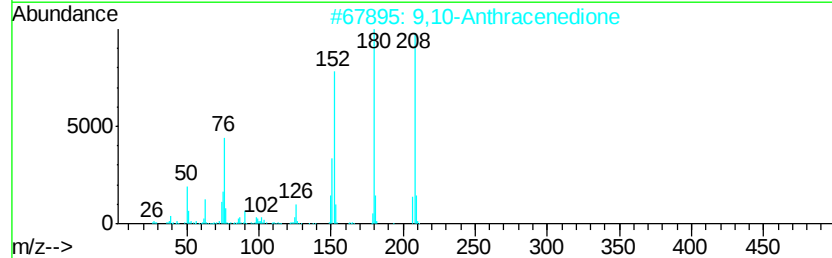
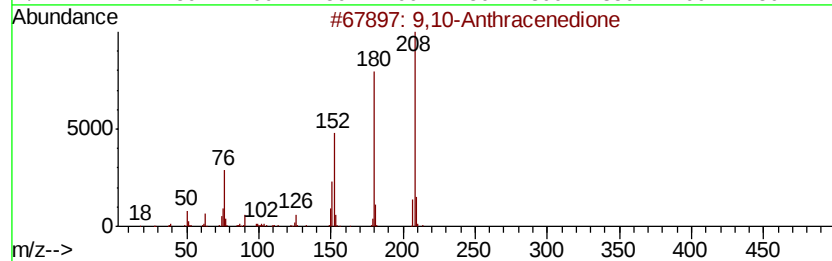
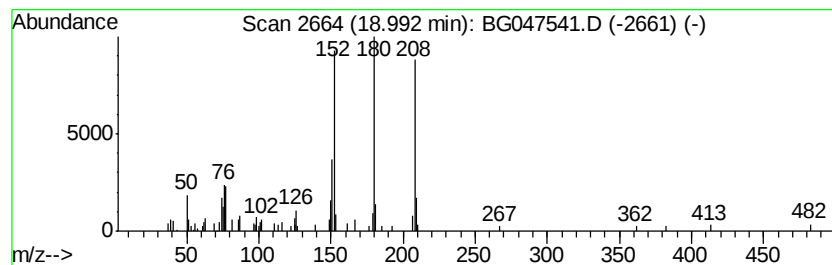
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 9,10-Anthracenedione Concentration Rank 2

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 18.99 | 2.04 ng/ul | 59772 | Phenanthrene-d10 | 17.60 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 91   |
| 2    |    | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 90   |
| 3    |    | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 83   |
| 4    |    | 9H-Fluoren-9-one     | 180 | C13H8O  | 000486-25-9 | 70   |
| 5    |    | Benzo[h]cinnoline    | 180 | C12H8N2 | 000230-31-9 | 64   |



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Quant Title : SVOA CALIBRATION

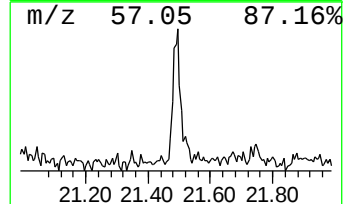
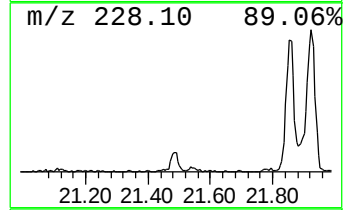
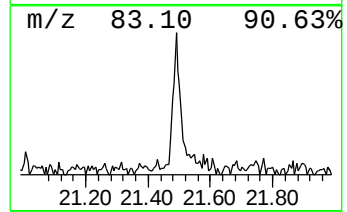
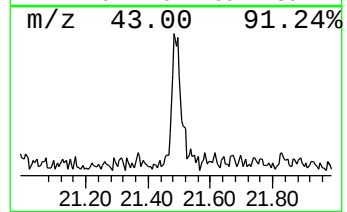
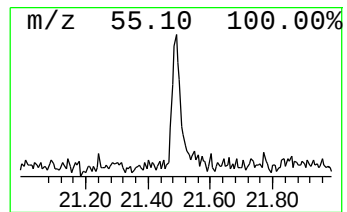
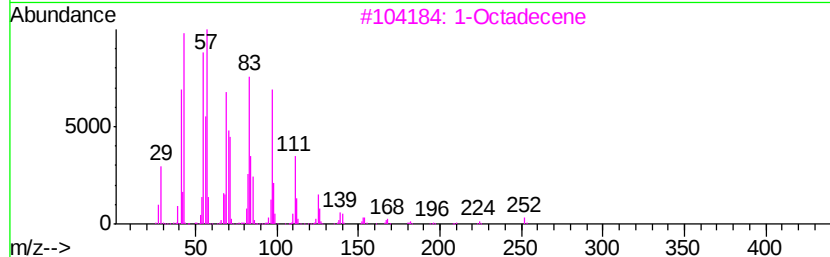
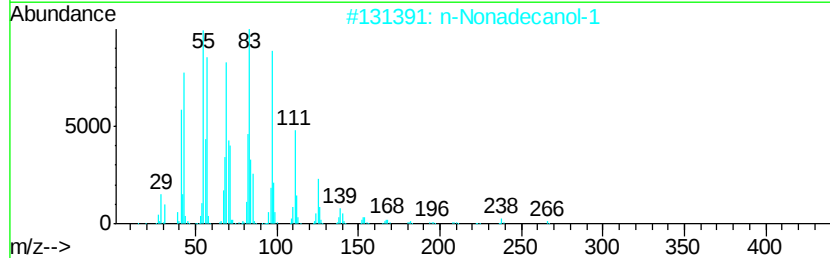
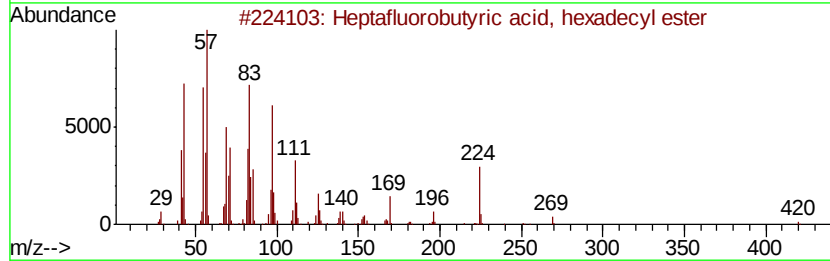
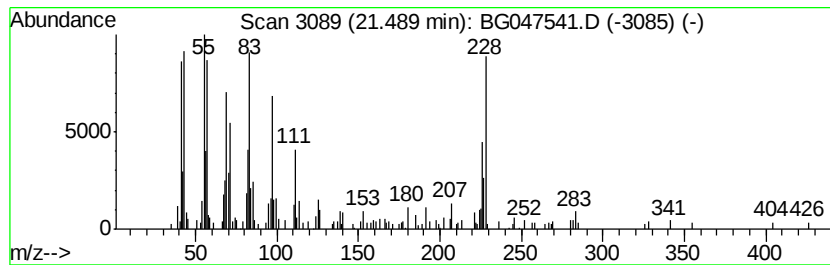
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Heptafluorobutyric acid, he... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.49 | 2.96 ng/ul | 125494 | Chrysene-d12     | 21.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5  | 55   |
| 2    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8  | 55   |
| 3    |    | 1-Octadecene                        | 252 | C18H36     | 000112-88-9  | 50   |
| 4    |    | E-15-Heptadecenal                   | 252 | C17H32O    | 1000130-97-9 | 50   |
| 5    |    | Cycloeicosane                       | 280 | C20H40     | 000296-56-0  | 50   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 9,10-Anthracenedione | 18.99 | 2.0     | ng/ul | 59772    | 4                     | 17.60 | 586213 | 20.0 |
| Heptafluorobutyri... | 21.49 | 3.0     | ng/ul | 125494   | 5                     | 21.88 | 846597 | 20.0 |