

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
 Data File : BG047400.D  
 Acq On : 21 Nov 2020 18:28  
 Operator : CG/JU  
 Sample : L4711-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B36

## 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         | 3.613       | 41            | 47          | 52           | rBV5     | 8017           | 14939         | 0.93%           | 0.074%        |
| 2         | 3.889       | 90            | 94          | 100          | rBV2     | 9391           | 14912         | 0.93%           | 0.074%        |
| 3         | 4.606       | 212           | 216         | 219          | rBV3     | 6834           | 9817          | 0.61%           | 0.049%        |
| 4         | 5.029       | 285           | 288         | 292          | rBV3     | 5851           | 8577          | 0.53%           | 0.043%        |
| 5         | 7.227       | 657           | 662         | 665          | rBV3     | 5358           | 10737         | 0.67%           | 0.053%        |
| 6         | 7.409       | 686           | 693         | 701          | rBV2     | 210972         | 377872        | 23.54%          | 1.876%        |
| 7         | 7.591       | 715           | 724         | 732          | rBV      | 119689         | 207281        | 12.91%          | 1.029%        |
| 8         | 7.802       | 752           | 760         | 766          | rBV      | 196605         | 357005        | 22.24%          | 1.773%        |
| 9         | 7.849       | 766           | 768         | 774          | rVB2     | 24501          | 30840         | 1.92%           | 0.153%        |
| 10        | 8.178       | 821           | 824         | 831          | rVB2     | 3546           | 6174          | 0.38%           | 0.031%        |
| 11        | 8.278       | 831           | 841         | 847          | rBV      | 190081         | 325939        | 20.31%          | 1.618%        |
| 12        | 8.325       | 847           | 849         | 854          | rVB3     | 3867           | 4369          | 0.27%           | 0.022%        |
| 13        | 8.819       | 930           | 933         | 937          | rBV3     | 2869           | 4409          | 0.27%           | 0.022%        |
| 14        | 8.966       | 949           | 958         | 966          | rBV2     | 247314         | 425930        | 26.54%          | 2.115%        |
| 15        | 9.089       | 977           | 979         | 983          | rBV4     | 3432           | 3973          | 0.25%           | 0.020%        |
| 16        | 9.442       | 1030          | 1039        | 1047         | rVB      | 183856         | 343735        | 21.42%          | 1.707%        |
| 17        | 10.170      | 1156          | 1163        | 1170         | rBV2     | 185090         | 338737        | 21.10%          | 1.682%        |
| 18        | 10.711      | 1247          | 1255        | 1262         | rVV      | 275372         | 506805        | 31.58%          | 2.516%        |
| 19        | 11.104      | 1315          | 1322        | 1329         | rVV      | 242217         | 442051        | 27.54%          | 2.195%        |
| 20        | 11.228      | 1333          | 1343        | 1354         | rVB      | 218607         | 413699        | 25.77%          | 2.054%        |
| 21        | 11.404      | 1369          | 1373        | 1376         | rVB      | 3630           | 4966          | 0.31%           | 0.025%        |
| 22        | 11.774      | 1430          | 1436        | 1441         | rVB2     | 15662          | 28340         | 1.77%           | 0.141%        |
| 23        | 12.103      | 1488          | 1492        | 1498         | rVB2     | 2822           | 4950          | 0.31%           | 0.025%        |
| 24        | 12.391      | 1538          | 1541        | 1546         | rVB4     | 8347           | 11615         | 0.72%           | 0.058%        |
| 25        | 12.591      | 1569          | 1575        | 1580         | rBV2     | 18607          | 29969         | 1.87%           | 0.149%        |
| 26        | 12.661      | 1585          | 1587        | 1592         | rVB2     | 4555           | 7309          | 0.46%           | 0.036%        |
| 27        | 12.955      | 1633          | 1637        | 1639         | rBV3     | 5365           | 5968          | 0.37%           | 0.030%        |
| 28        | 13.625      | 1748          | 1751        | 1753         | rBV      | 3358           | 3943          | 0.25%           | 0.020%        |
| 29        | 13.719      | 1762          | 1767        | 1770         | rBV4     | 5830           | 8863          | 0.55%           | 0.044%        |
| 30        | 13.772      | 1770          | 1776        | 1785         | rVB      | 185251         | 310373        | 19.34%          | 1.541%        |
| 31        | 14.207      | 1846          | 1850        | 1852         | rBV      | 3745           | 5024          | 0.31%           | 0.025%        |
| 32        | 14.283      | 1857          | 1863        | 1867         | rVV      | 465001         | 682611        | 42.53%          | 3.389%        |
| 33        | 14.324      | 1867          | 1870        | 1877         | rVV      | 178669         | 262774        | 16.37%          | 1.305%        |
| 34        | 14.506      | 1898          | 1901        | 1904         | rBV2     | 4424           | 6131          | 0.38%           | 0.030%        |

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 Peak separation: 5

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.583 | 1908 | 1914 | 1923 | rVB  | 480248 | 774541 | 48.26% | 3.846% |
| 36 | 14.765 | 1943 | 1945 | 1951 | rVB4 | 3883   | 5268   | 0.33%  | 0.026% |
| 37 | 14.888 | 1958 | 1966 | 1972 | rVV  | 391370 | 623306 | 38.83% | 3.095% |
| 38 | 14.947 | 1972 | 1976 | 1982 | rVB2 | 34362  | 54098  | 3.37%  | 0.269% |
| 39 | 15.041 | 1982 | 1992 | 2000 | rBV  | 214661 | 359911 | 22.42% | 1.787% |
| 40 | 15.200 | 2013 | 2019 | 2023 | rVB6 | 6410   | 12074  | 0.75%  | 0.060% |
| 41 | 15.282 | 2028 | 2033 | 2038 | rVV2 | 24674  | 38494  | 2.40%  | 0.191% |
| 42 | 15.352 | 2040 | 2045 | 2047 | rBV3 | 4016   | 4837   | 0.30%  | 0.024% |
| 43 | 15.605 | 2083 | 2088 | 2092 | rVV3 | 7988   | 8747   | 0.54%  | 0.043% |
| 44 | 15.664 | 2095 | 2098 | 2099 | rVV2 | 5306   | 5871   | 0.37%  | 0.029% |
| 45 | 15.705 | 2103 | 2105 | 2112 | rVB3 | 5757   | 9176   | 0.57%  | 0.046% |
| 46 | 15.869 | 2127 | 2133 | 2139 | rBV  | 591206 | 912027 | 56.82% | 4.529% |
| 47 | 15.928 | 2139 | 2143 | 2146 | rVV  | 41152  | 56490  | 3.52%  | 0.280% |
| 48 | 15.975 | 2146 | 2151 | 2161 | rVB2 | 208889 | 329185 | 20.51% | 1.635% |
| 49 | 16.104 | 2171 | 2173 | 2180 | rVB7 | 11345  | 15805  | 0.98%  | 0.078% |
| 50 | 16.169 | 2181 | 2184 | 2185 | rVV2 | 4524   | 3965   | 0.25%  | 0.020% |
| 51 | 16.216 | 2188 | 2192 | 2198 | rVB2 | 14355  | 25592  | 1.59%  | 0.127% |
| 52 | 16.369 | 2209 | 2218 | 2224 | rBV5 | 17357  | 40739  | 2.54%  | 0.202% |
| 53 | 16.545 | 2242 | 2248 | 2250 | rBV6 | 6398   | 9998   | 0.62%  | 0.050% |
| 54 | 16.592 | 2250 | 2256 | 2262 | rVV6 | 9460   | 20396  | 1.27%  | 0.101% |
| 55 | 16.651 | 2262 | 2266 | 2272 | rVV3 | 13505  | 20223  | 1.26%  | 0.100% |
| 56 | 16.727 | 2276 | 2279 | 2284 | rBV5 | 5829   | 8750   | 0.55%  | 0.043% |
| 57 | 16.851 | 2296 | 2300 | 2304 | rBV5 | 8570   | 14375  | 0.90%  | 0.071% |
| 58 | 16.886 | 2304 | 2306 | 2308 | rVV3 | 4440   | 4923   | 0.31%  | 0.024% |
| 59 | 16.921 | 2310 | 2312 | 2316 | rVB4 | 10423  | 12946  | 0.81%  | 0.064% |
| 60 | 17.068 | 2334 | 2337 | 2344 | rBV6 | 7340   | 13045  | 0.81%  | 0.065% |
| 61 | 17.150 | 2347 | 2351 | 2354 | rVB4 | 11974  | 15842  | 0.99%  | 0.079% |
| 62 | 17.185 | 2354 | 2357 | 2361 | rBV4 | 9652   | 15398  | 0.96%  | 0.076% |
| 63 | 17.221 | 2361 | 2363 | 2366 | rVB4 | 6113   | 4447   | 0.28%  | 0.022% |
| 64 | 17.268 | 2366 | 2371 | 2380 | rVB  | 33250  | 59846  | 3.73%  | 0.297% |
| 65 | 17.350 | 2380 | 2385 | 2387 | rBV3 | 15941  | 24629  | 1.53%  | 0.122% |
| 66 | 17.444 | 2395 | 2401 | 2406 | rVB  | 28125  | 47473  | 2.96%  | 0.236% |
| 67 | 17.526 | 2413 | 2415 | 2419 | rVB4 | 6211   | 7416   | 0.46%  | 0.037% |
| 68 | 17.620 | 2423 | 2431 | 2435 | rBV  | 490820 | 800323 | 49.86% | 3.974% |
| 69 | 17.661 | 2435 | 2438 | 2443 | rVB  | 587899 | 830802 | 51.76% | 4.125% |
| 70 | 17.720 | 2443 | 2448 | 2453 | rBV2 | 580202 | 875824 | 54.57% | 4.349% |
| 71 | 17.802 | 2458 | 2462 | 2468 | rVB3 | 22084  | 37238  | 2.32%  | 0.185% |

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

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.879 | 2473 | 2475 | 2482 | rBV3 | 10976   | 18250   | 1.14%   | 0.091% |
| 73  | 17.932 | 2482 | 2484 | 2486 | rVB2 | 7350    | 4415    | 0.28%   | 0.022% |
| 74  | 17.979 | 2488 | 2492 | 2494 | rBV5 | 15056   | 23122   | 1.44%   | 0.115% |
| 75  | 18.008 | 2494 | 2497 | 2503 | rVB2 | 50193   | 77735   | 4.84%   | 0.386% |
| 76  | 18.131 | 2515 | 2518 | 2525 | rBV6 | 17799   | 26724   | 1.66%   | 0.133% |
| 77  | 18.196 | 2525 | 2529 | 2532 | rBV4 | 21672   | 28118   | 1.75%   | 0.140% |
| 78  | 18.390 | 2561 | 2562 | 2563 | rBV  | 7590    | 3849    | 0.24%   | 0.019% |
| 79  | 18.408 | 2563 | 2565 | 2569 | rVV5 | 9661    | 11002   | 0.69%   | 0.055% |
| 80  | 18.490 | 2575 | 2579 | 2583 | rBV2 | 71363   | 100484  | 6.26%   | 0.499% |
| 81  | 18.537 | 2583 | 2587 | 2596 | rVB  | 95752   | 149579  | 9.32%   | 0.743% |
| 82  | 18.619 | 2596 | 2601 | 2605 | rVB  | 23654   | 36227   | 2.26%   | 0.180% |
| 83  | 18.684 | 2605 | 2612 | 2616 | rBV3 | 104396  | 209760  | 13.07%  | 1.042% |
| 84  | 18.977 | 2658 | 2662 | 2665 | rBV2 | 63813   | 92139   | 5.74%   | 0.458% |
| 85  | 19.019 | 2665 | 2669 | 2679 | rVB  | 151640  | 227494  | 14.17%  | 1.130% |
| 86  | 19.260 | 2706 | 2710 | 2715 | rBV2 | 37326   | 52121   | 3.25%   | 0.259% |
| 87  | 19.389 | 2729 | 2732 | 2735 | rBV2 | 39189   | 53662   | 3.34%   | 0.266% |
| 88  | 19.530 | 2752 | 2756 | 2762 | rBV3 | 54810   | 82234   | 5.12%   | 0.408% |
| 89  | 19.653 | 2771 | 2777 | 2783 | rVB  | 1147854 | 1605047 | 100.00% | 7.970% |
| 90  | 19.982 | 2827 | 2833 | 2836 | rBV2 | 815785  | 1374077 | 85.61%  | 6.823% |
| 91  | 20.017 | 2836 | 2839 | 2845 | rVV  | 800138  | 1070164 | 66.67%  | 5.314% |
| 92  | 20.076 | 2846 | 2849 | 2854 | rVB  | 50449   | 68099   | 4.24%   | 0.338% |
| 93  | 20.182 | 2864 | 2867 | 2872 | rVB  | 61564   | 88298   | 5.50%   | 0.438% |
| 94  | 20.493 | 2918 | 2920 | 2925 | rVB  | 143282  | 170024  | 10.59%  | 0.844% |
| 95  | 20.593 | 2935 | 2937 | 2941 | rVB  | 68790   | 71264   | 4.44%   | 0.354% |
| 96  | 21.269 | 3049 | 3052 | 3057 | rVB2 | 90786   | 131089  | 8.17%   | 0.651% |
| 97  | 21.510 | 3090 | 3093 | 3098 | rVB2 | 210878  | 279905  | 17.44%  | 1.390% |
| 98  | 21.892 | 3152 | 3158 | 3164 | rBV2 | 490338  | 1330506 | 82.90%  | 6.607% |
| 99  | 21.950 | 3165 | 3168 | 3178 | rVB  | 402732  | 669192  | 41.69%  | 3.323% |
| 100 | 24.224 | 3549 | 3555 | 3564 | rBV2 | 241724  | 760060  | 47.35%  | 3.774% |

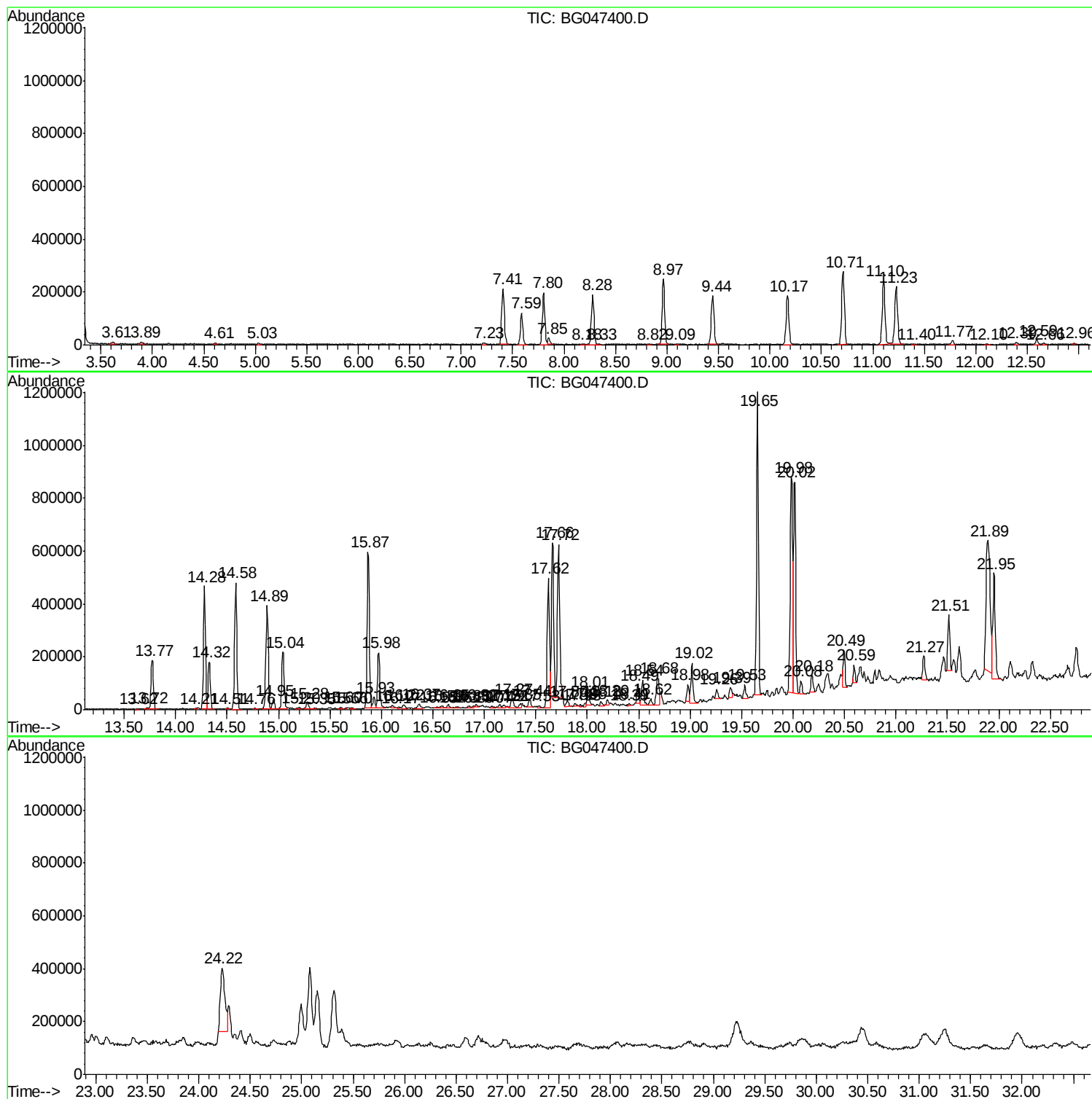
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION

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



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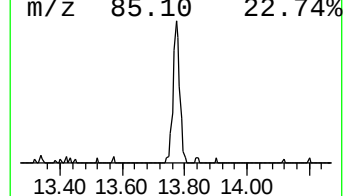
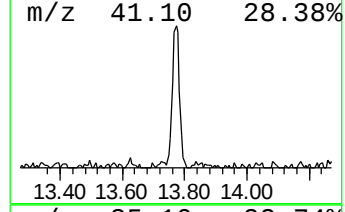
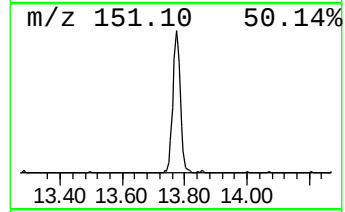
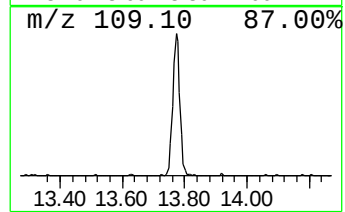
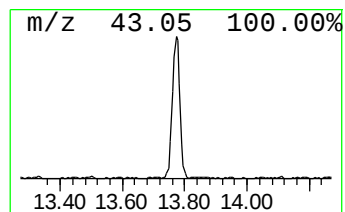
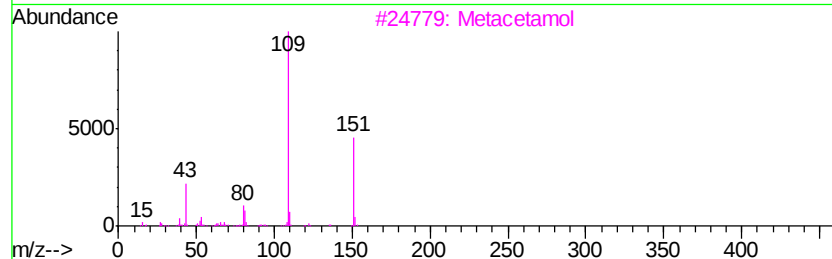
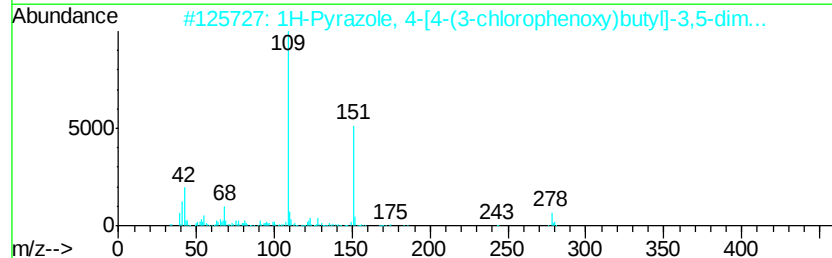
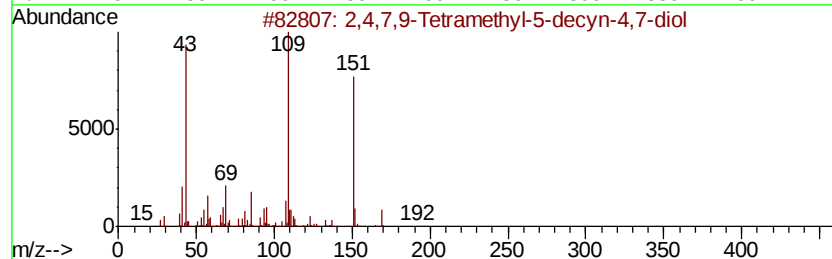
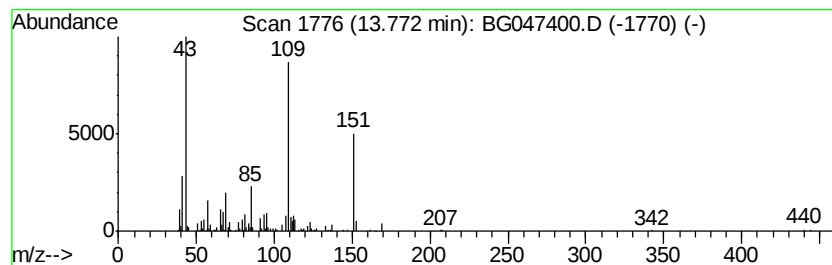
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.77     | 9.96 ng/ul                          | 310373 | Acenaphthene-d10 | 14.89        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226    | C14H26O2         | 000126-86-3  | 86   |
| 2         | 1H-Pyrazole, 4-[4-(3-chloropheno... | 278    | C15H19ClN2O      | 1000302-33-9 | 59   |
| 3         | Metacetamol                         | 151    | C8H9NO2          | 000621-42-1  | 58   |
| 4         | Acetaminophen                       | 151    | C8H9NO2          | 000103-90-2  | 58   |
| 5         | Tiocarlide                          | 400    | C23H32N2O2S      | 000910-86-1  | 53   |



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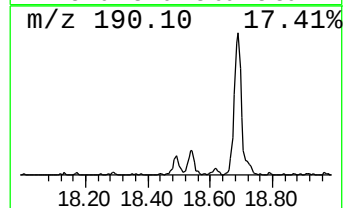
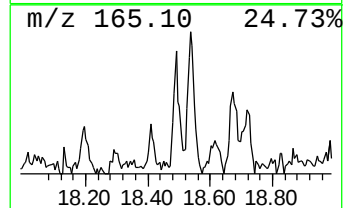
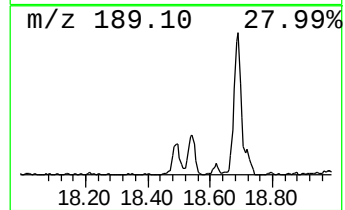
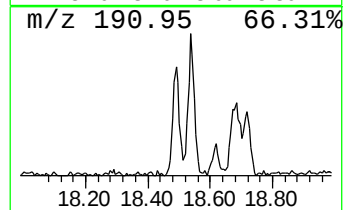
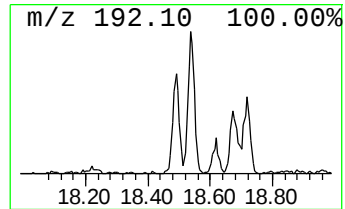
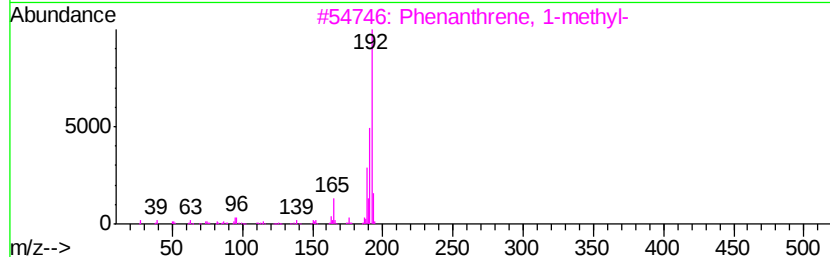
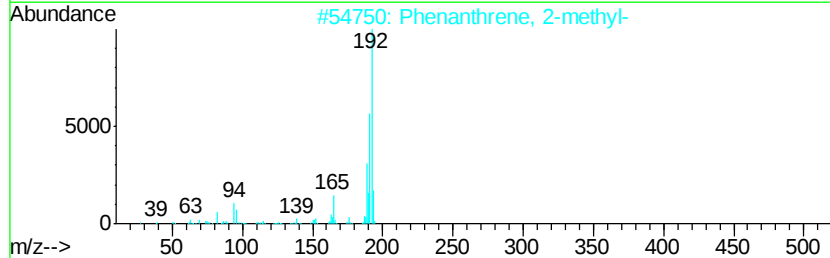
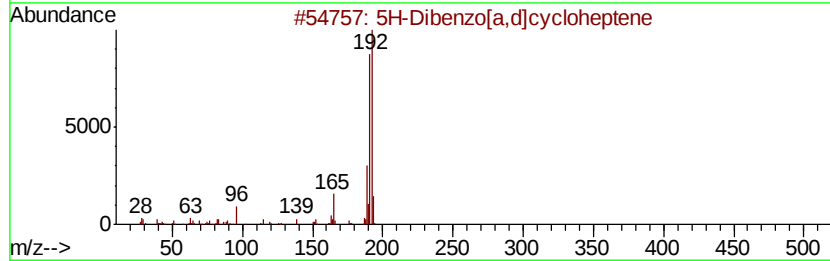
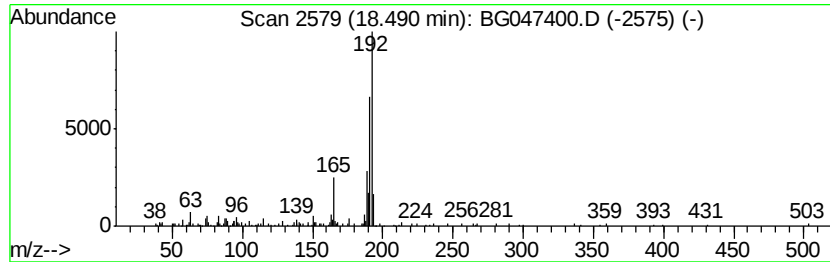
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 5H-Dibenzo[a,d]cycloheptene Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.49 | 2.51 ng/ul | 100484 | Phenanthrene-d10 | 17.62 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12  | 000256-81-5 | 91   |
| 2    |    | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 91   |
| 3    |    | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 89   |
| 4    |    | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 87   |
| 5    |    | 1H-Indene, 2-phenyl-        | 192 | C15H12  | 004505-48-0 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B36

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

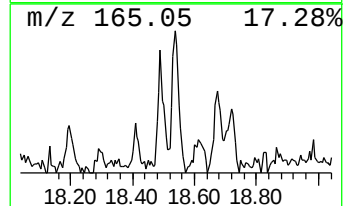
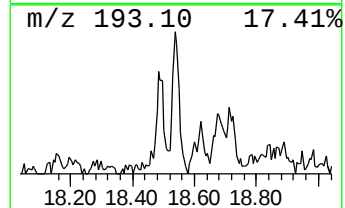
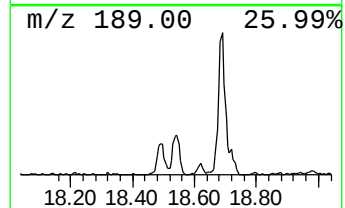
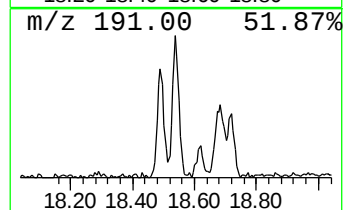
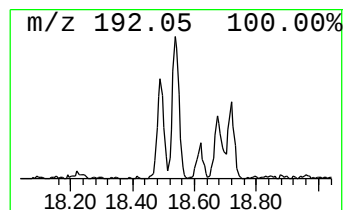
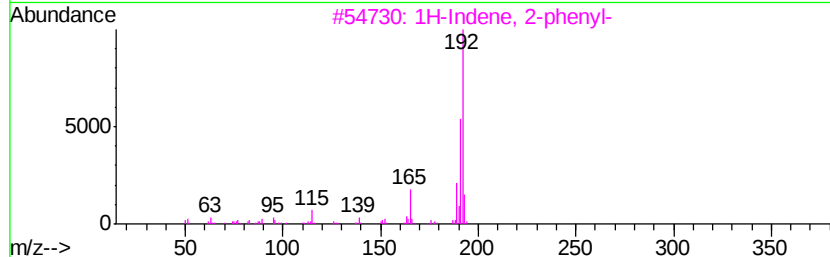
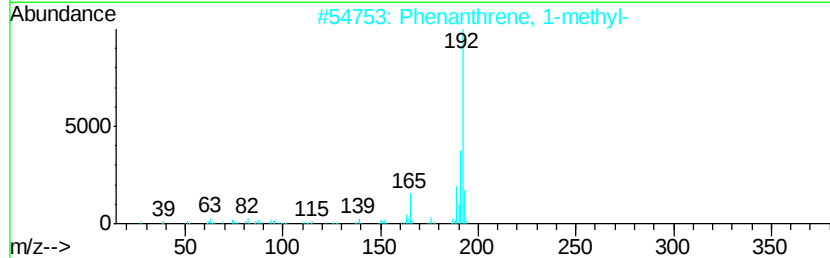
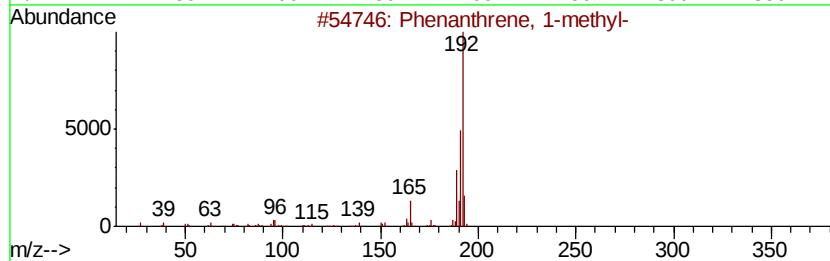
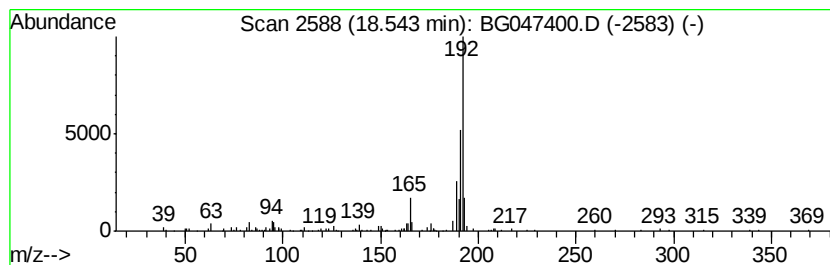
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.54 | 3.74 ng/ul | 149579 | Phenanthrene-d10 | 17.62 |

| Hit# of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 95   |
| 2       |   | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 95   |
| 3       |   | 1H-Indene, 2-phenyl-                   | 192 | C15H12  | 004505-48-0 | 95   |
| 4       |   | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 94   |
| 5       |   | Anthracene, 9-methyl-                  | 192 | C15H12  | 000779-02-2 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B36

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

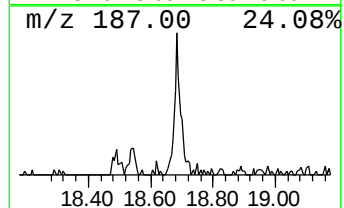
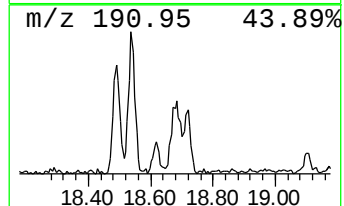
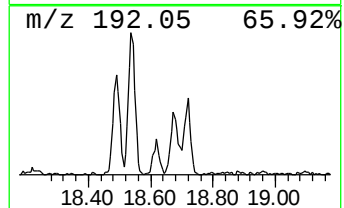
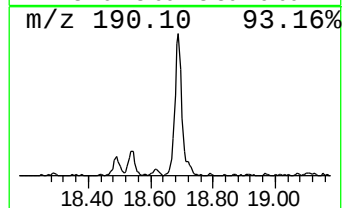
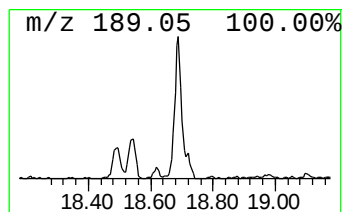
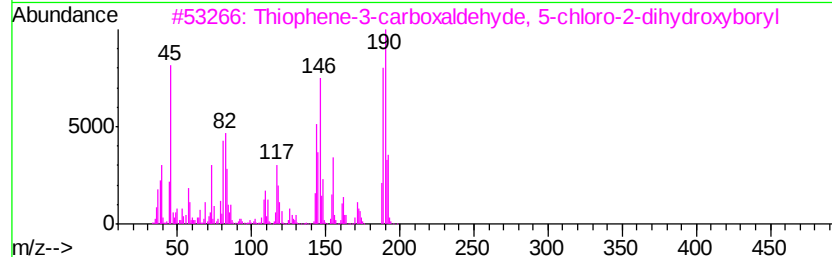
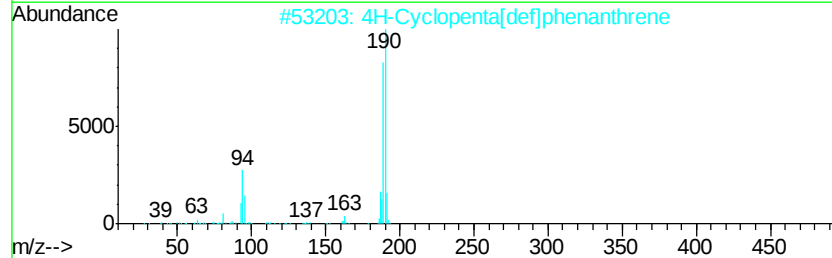
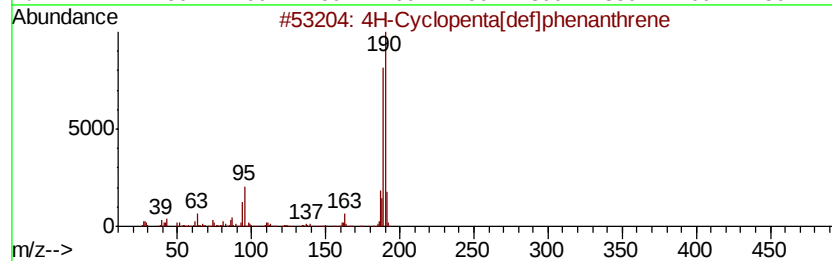
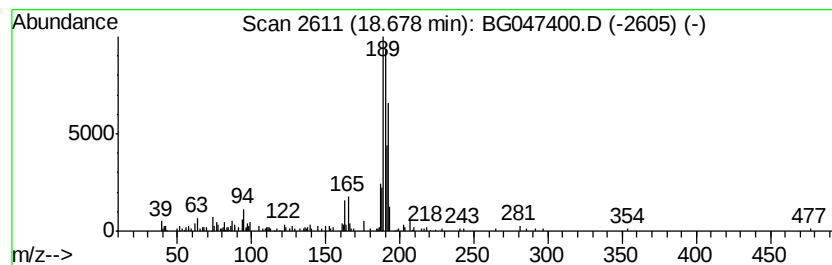
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.68 | 5.24 ng/ul | 209760 | Phenanthrene-d10 | 17.62 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 89   |
| 2       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 64   |
| 3       |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 53   |
| 4       |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4   | 069286-06-2 | 50   |
| 5       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B36

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

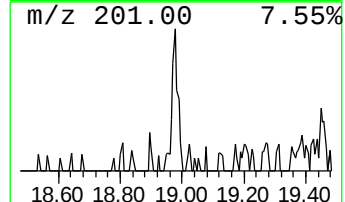
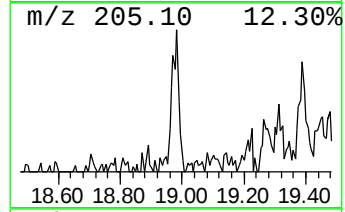
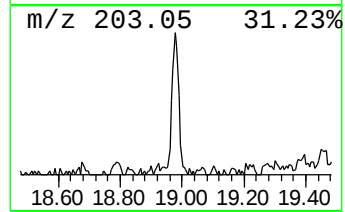
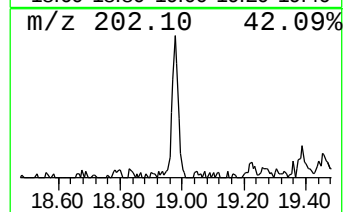
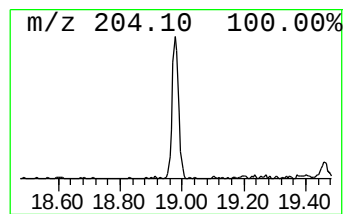
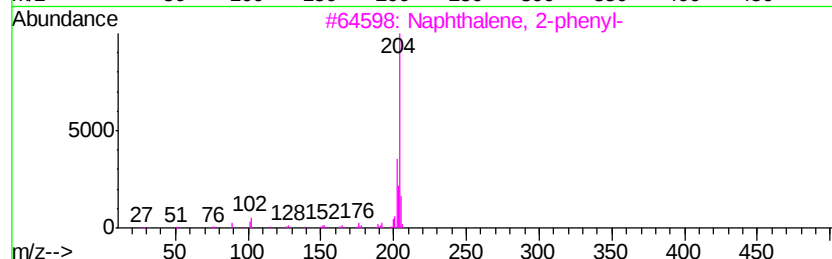
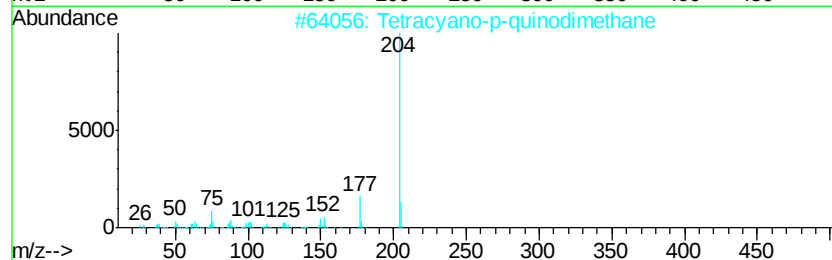
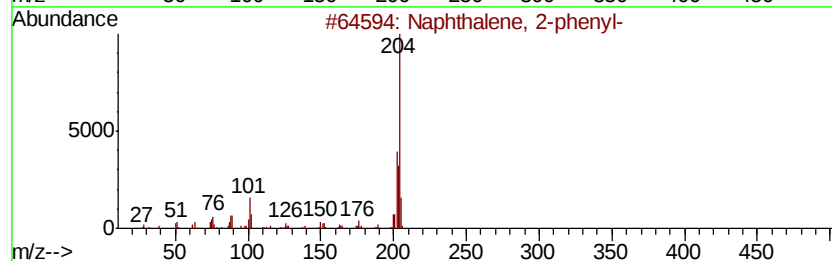
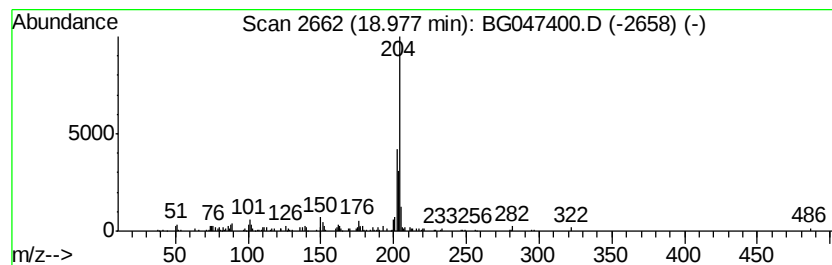
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 8

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 18.98 | 2.30 ng/ul | 92139 | Phenanthrene-d10 | 17.62 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 93   |
| 2       |   | Tetracyano-p-quinodimethane         | 204 | C12H4N4 | 001518-16-7 | 55   |
| 3       |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 53   |
| 4       |   | Naphthalene, 2-phenyl-              | 204 | C16H12  | 000612-94-2 | 53   |
| 5       |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12  | 006572-60-7 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG111920MA.M  
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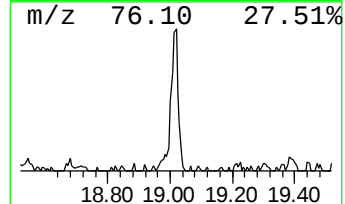
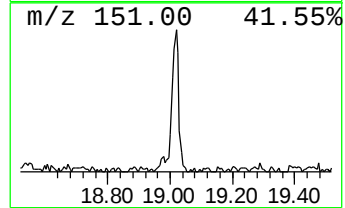
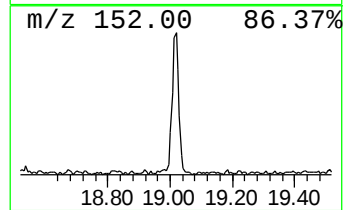
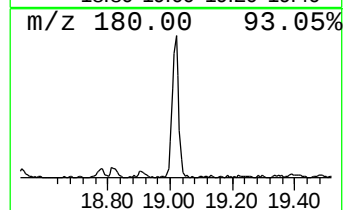
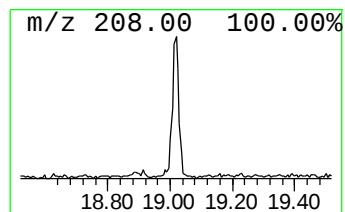
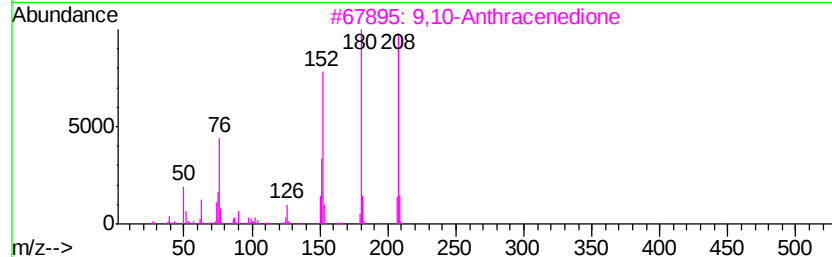
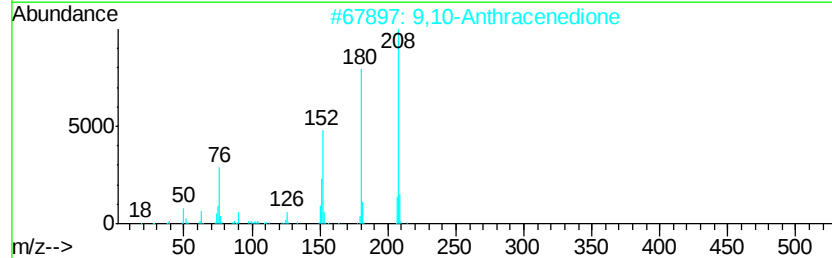
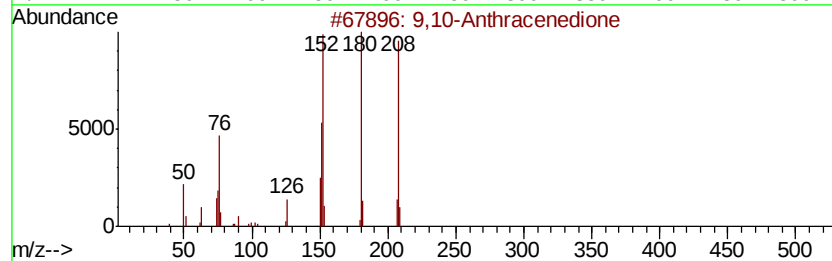
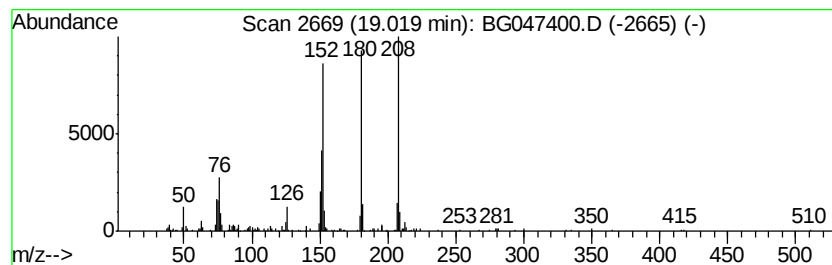
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 9,10-Anthracenedione Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 19.02 | 5.69 ng/ul | 227494 | Phenanthrene-d10 |  | 17.62 |

| Hit# | of                   | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------------------|---|--------------|-----|---------|-------------|------|
| 1    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 97   |
| 2    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 95   |
| 3    | 9,10-Anthracenedione |   |              | 208 | C14H8O2 | 000084-65-1 | 93   |
| 4    | Benzo[c]cinnoline    |   |              | 180 | C12H8N2 | 000230-17-1 | 70   |
| 5    | Benzo[c]cinnoline    |   |              | 180 | C12H8N2 | 000230-17-1 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

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

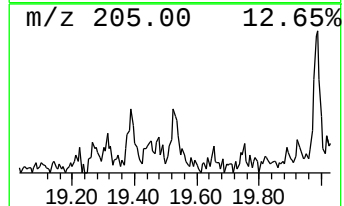
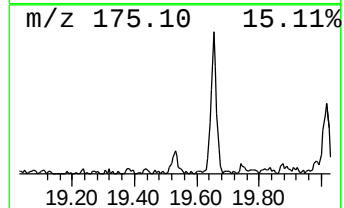
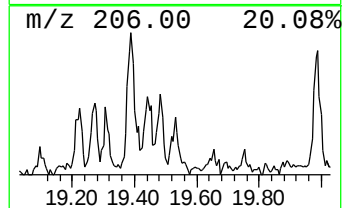
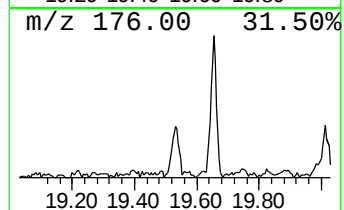
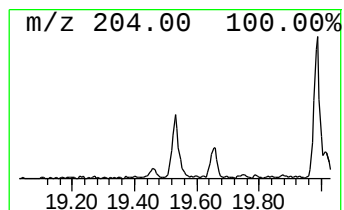
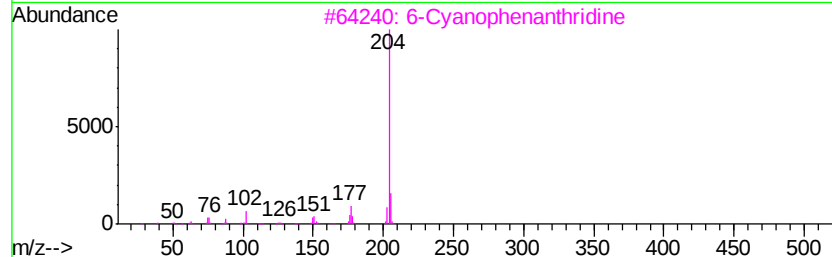
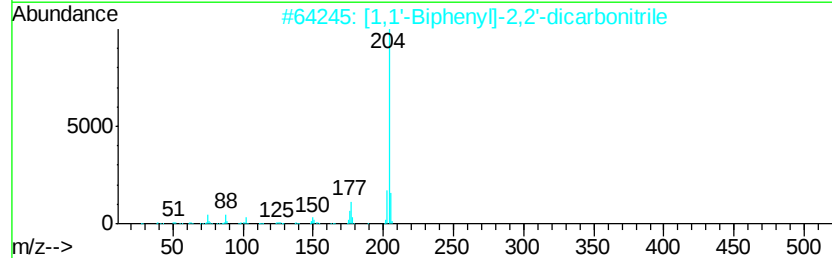
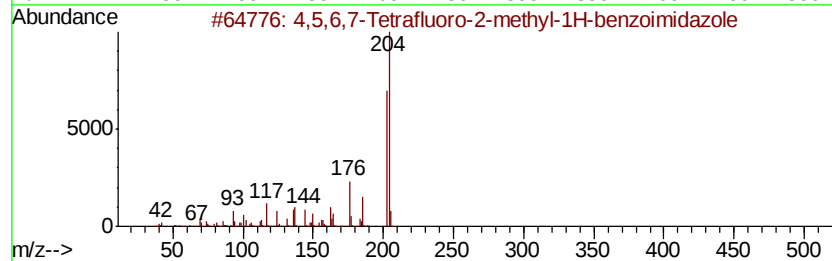
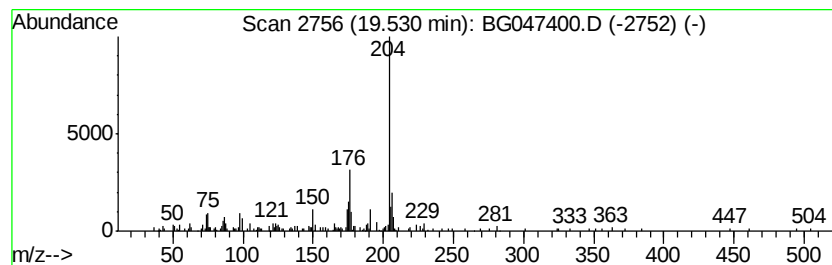
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 4,5,6,7-Tetrafluoro-2-methy... Concentration Rank 9

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 19.53 | 2.06 ng/ul | 82234 | Phenanthrene-d10 | 17.62 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4,5,6,7-Tetrafluoro-2-methyl-1H-... | 204 | C8H4F4N2 | 081430-75-3 | 59   |
| 2    |    | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2  | 004341-02-0 | 52   |
| 3    |    | 6-Cyanophenanthridine               | 204 | C14H8N2  | 002176-28-5 | 52   |
| 4    |    | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2  | 001591-30-6 | 50   |
| 5    |    | Cyclopenta(def)phenanthrenone       | 204 | C15H8O   | 005737-13-3 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

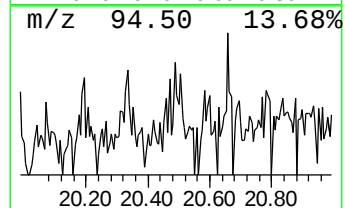
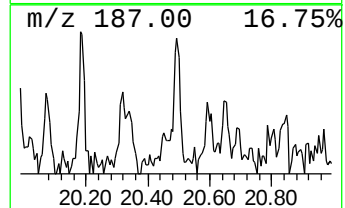
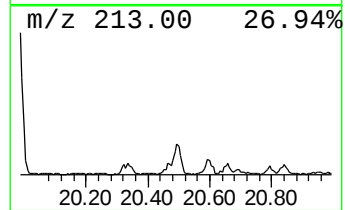
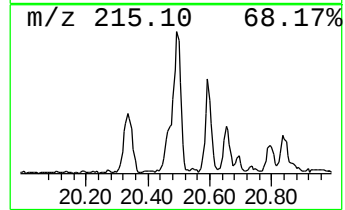
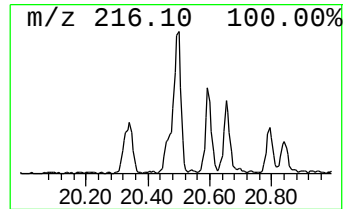
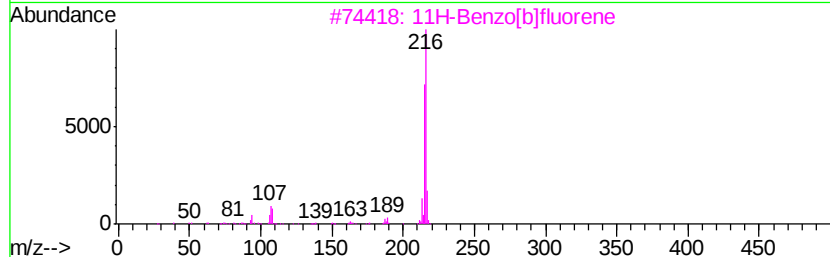
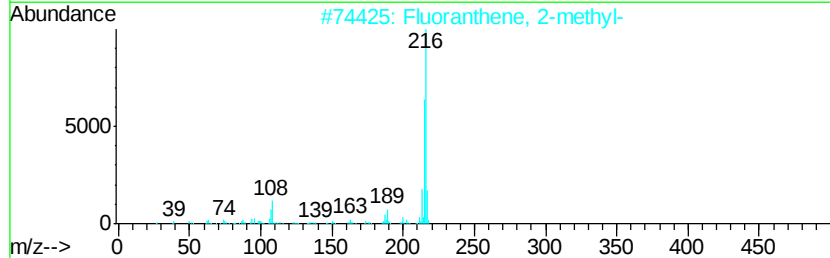
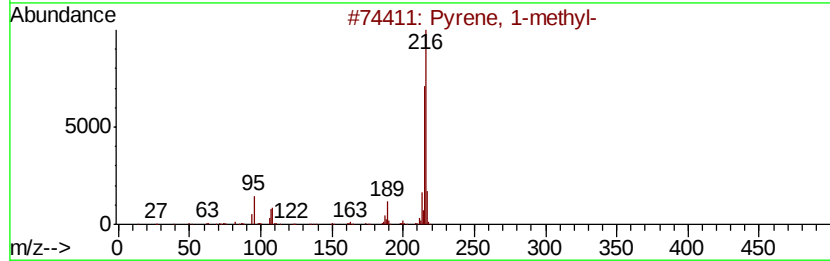
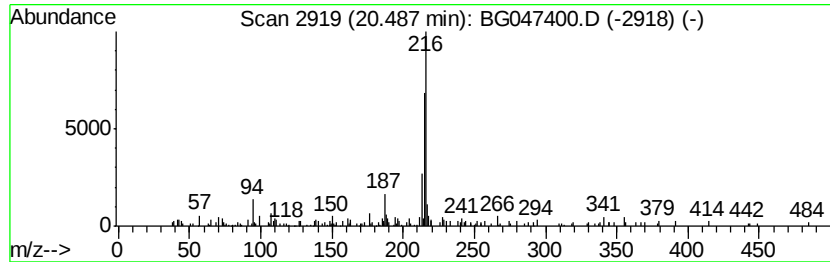
Instrument :  
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ClientSampleId :  
C0B36

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

\*\*\*\*\*  
Peak Number 8 Pyrene, 1-methyl- Concentration Rank 6

| R.T.    | EstConc                 | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------|--------------|------------------|-----------|
| 20.49   | 2.56 ng/ul              | 170024       | Chrysene-d12     | 21.90     |
| Hit# of | 5                       | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pyrene, 1-methyl-       | 216 C17H12   | 002381-21-7      | 94        |
| 2       | Fluoranthene, 2-methyl- | 216 C17H12   | 033543-31-6      | 91        |
| 3       | 11H-Benzo[b]fluorene    | 216 C17H12   | 000243-17-4      | 90        |
| 4       | Pyrene, 1-methyl-       | 216 C17H12   | 002381-21-7      | 87        |
| 5       | Pyrene, 1-methyl-       | 216 C17H12   | 002381-21-7      | 87        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B36

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

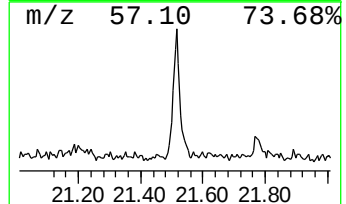
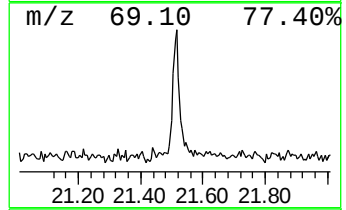
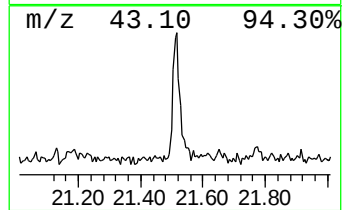
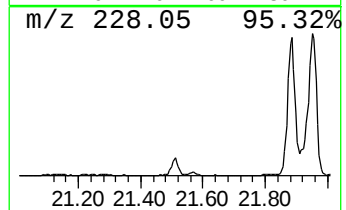
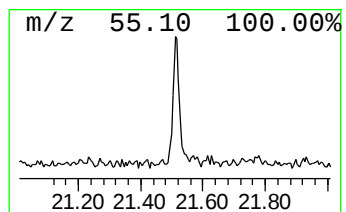
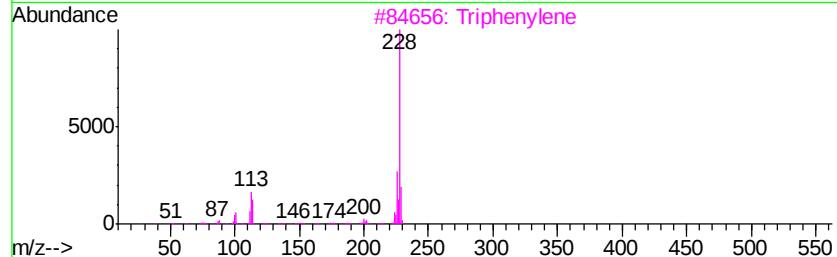
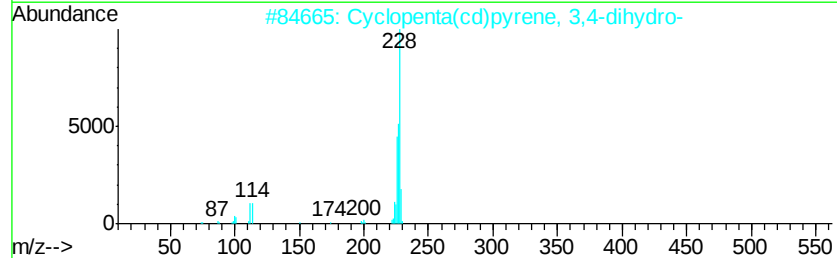
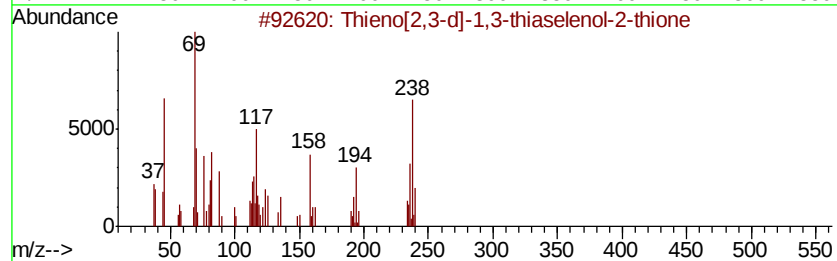
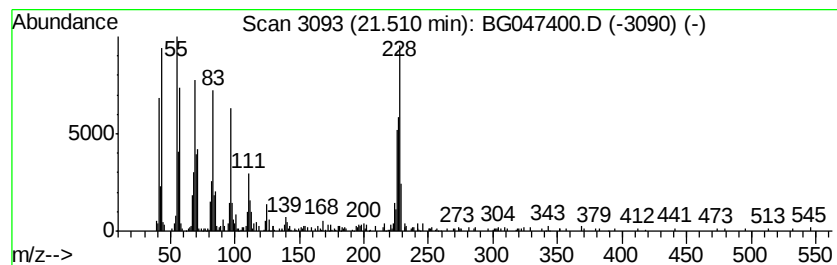
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Thieno[2,3-d]-1,3-thiaselen... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.51 | 4.21 ng/ul | 279905 | Chrysene-d12     | 21.90 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-----------|-------------|------|
| 1       |   | Thieno[2,3-d]-1,3-thiaselenol-2-... | 238 | C5H2S3Se  | 081803-09-0 | 53   |
| 2       |   | Cyclopenta(cd)pyrene, 3,4-dihydro-  | 228 | C18H12    | 025732-74-5 | 43   |
| 3       |   | Triphenylene                        | 228 | C18H12    | 000217-59-4 | 38   |
| 4       |   | Naphthacene                         | 228 | C18H12    | 000092-24-0 | 38   |
| 5       |   | Thiazolo[5,4-f]quinoline, 2,7,9-... | 228 | C13H12N2S | 038463-47-7 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG112120\  
Data File : BG047400.D  
Acq On : 21 Nov 2020 18:28  
Operator : CG/JU  
Sample : L4711-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B36

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2,4,7,9-Tetrameth... | 13.77 | 10.0    | ng/ul | 310373   | 3                     | 14.89 | 623306  | 20.0 |
| 5H-Dibenzo[a,d]cy... | 18.49 | 2.5     | ng/ul | 100484   | 4                     | 17.62 | 800323  | 20.0 |
| Phenanthrene, 1-m... | 18.54 | 3.7     | ng/ul | 149579   | 4                     | 17.62 | 800323  | 20.0 |
| 4H-Cyclopenta[def... | 18.68 | 5.2     | ng/ul | 209760   | 4                     | 17.62 | 800323  | 20.0 |
| Naphthalene, 2-ph... | 18.98 | 2.3     | ng/ul | 92139    | 4                     | 17.62 | 800323  | 20.0 |
| 9,10-Anthracenedione | 19.02 | 5.7     | ng/ul | 227494   | 4                     | 17.62 | 800323  | 20.0 |
| 4,5,6,7-Tetraflu...  | 19.53 | 2.1     | ng/ul | 82234    | 4                     | 17.62 | 800323  | 20.0 |
| Pyrene, 1-methyl-    | 20.49 | 2.6     | ng/ul | 170024   | 5                     | 21.90 | 1330510 | 20.0 |
| Thieno[2,3-d]-1,3... | 21.51 | 4.2     | ng/ul | 279905   | 5                     | 21.90 | 1330510 | 20.0 |