LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Title : SVOA CALIBRATION

Signal : TIC: BM030522.D

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.281 | 30 | 33 | 45 | rVB | 41583 | 62100 | 1.07% | 0.108% |
| 2 | 3.705 | 101 | 105 | 115 | rBV | 300760 | 535021 | 9.23% | 0.930% |
| 3 | 3.799 | 117 | 121 | 127 | rVV | 147489 | 212868 | 3.67% | 0.370% |
| 4 | 3.870 | 130 | 133 | 138 | rVV | 20372 | 32349 | 0.56% | 0.056% |
| 5 | 4.017 | 154 | 158 | 163 | rVB | 57353 | 78660 | 1.36% | 0.137% |
| 6 | 4.387 | 218 | 221 | 228 | rVB | 21715 | 31137 | 0.54% | 0.054% |
| 7 | 4.522 | 239 | 244 | 247 | rBV | 18882 | 28547 | 0.49% | 0.050% |
| 8 | 4.570 | 247 | 252 | 259 | rVB | 103719 | 146023 | 2.52% | 0.254% |
| 9 | 4.928 | 309 | 313 | 321 | rVB | 16133 | 27163 | 0.47% | 0.047% |
| 10 | 5.034 | 327 | 331 | 340 | rBV2 | 20771 | 33389 | 0.58% | 0.058% |
| 11 | 5.328 | 377 | 381 | 386 | rVB | 39704 | 58062 | 1.00% | 0.101% |
| 12 | 5.464 | 398 | 404 | 413 | rBV | 114361 | 242269 | 4.18% | 0.421% |
| 13 | 5.828 | 459 | 466 | 474 | rVB | 57399 | 88773 | 1.53% | 0.154% |
| 14 | 6.975 | 653 | 661 | 671 | rBV | 659699 | 1077282 | 18.59% | 1.873% |
| 15 | 7.140 | 683 | 689 | 702 | rBV | 508063 | 842682 | 14.54% | 1.465% |
| 16 | 7.346 | 715 | 724 | 733 | rBV | 676462 | 1113611 | 19.22% | 1.936% |
| 17 | 7.810 | 796 | 803 | 811 | rVV | 546574 | 874957 | 15.10% | 1.521% |
| 18 | 8.510 | 912 | 922 | 938 | rBV | 729735 | 1249290 | 21.56% | 2.172% |
| 19 | 8.634 | 938 | 943 | 948 | rVB2 | 14848 | 25731 | 0.44% | 0.045% |
| 20 | 8.963 | 993 | 999 | 1008 | rVV | 627945 | 1027422 | 17.73% | 1.786% |
| 21 | 9.687 | 1112 | 1122 | 1135 | rBV | 485068 | 842421 | 14.54% | 1.465% |
| 22 | 10.222 | 1205 | 1213 | 1225 | rBV | 730888 | 1275369 | 22.01% | 2.218% |
| 23 | 10.404 | 1236 | 1244 | 1259 | rBV2 | 29260 | 98976 | 1.71% | 0.172% |
| 24 | 10.599 | 1269 | 1277 | 1283 | rBV | 712825 | 1196626 | 20.65% | 2.081% |
| 25 | 10.646 | 1283 | 1285 | 1291 | rVB | 33536 | 48143 | 0.83% | 0.084% |
| 26 | 10.740 | 1293 | 1301 | 1319 | rBV | 452149 | 931172 | 16.07% | 1.619% |
| 27 | 12.187 | 1541 | 1547 | 1555 | rBV | 15286 | 26057 | 0.45% | 0.045% |
| 28 | 13.269 | 1721 | 1731 | 1736 | rBV2 | 29541 | 47514 | 0.82% | 0.083% |
| 29 | 13.851 | 1820 | 1830 | 1840 | rVV | 1277478 | 1841173 | 31.78% | 3.201% |
| 30 | 14.134 | 1871 | 1878 | 1894 | rVB | 1477242 | 2210444 | 38.15% | 3.843% |
| 31 | 14.339 | 1908 | 1913 | 1917 | rBV | 35839 | 46662 | 0.81% | 0.081% |
| 32 | 14.439 | 1922 | 1930 | 1937 | rBV | 1033823 | 1488903 | 25.70% | 2.589% |
| 33 | 14.504 | 1937 | 1941 | 1947 | rVB | 32612 | 48432 | 0.84% | 0.084% |
| 34 | 14.639 | 1955 | 1964 | 1978 | rBV | 335329 | 654263 | 11.29% | 1.138% |
| 35 | 14.857 | 1994 | 2001 | 2008 | rVV2 | 76560 | 149674 | 2.58% | 0.260% |
| 36 | 15.292 | 2071 | 2075 | 2083 | rVB3 | 27735 | 42436 | 0.73% | 0.074% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.434 | 2090 | 2099 | 2105 | rBV | 1907151 | 2845430 | 49.11% | 4.948% |
| 38 | 15.486 | 2105 | 2108 | 2113 | rVB3 | 37841 | 51058 | 0.88% | 0.089% |
| 39 | 15.551 | 2113 | 2119 | 2123 | rBV | 533146 | 719966 | 12.43% | 1.252% |
| 40 | 15.592 | 2123 | 2126 | 2132 | rVB | 59364 | 88301 | 1.52% | 0.154% |
| 41 | 15.669 | 2133 | 2139 | 2143 | rBV | 20699 | 37148 | 0.64% | 0.065% |
| 42 | 15.781 | 2153 | 2158 | 2164 | rVB | 22387 | 39592 | 0.68% | 0.069% |
| 43 | 15.851 | 2164 | 2170 | 2175 | rBV | 152545 | 198872 | 3.43% | 0.346% |
| 44 | 15.928 | 2175 | 2183 | 2189 | rVV2 | 26834 | 63347 | 1.09% | 0.110% |
| 45 | 16.151 | 2217 | 2221 | 2228 | rVV4 | 31476 | 69764 | 1.20% | 0.121% |
| 46 | 16.492 | 2270 | 2279 | 2284 | rBV3 | 30518 | 66245 | 1.14% | 0.115% |
| 47 | 16.716 | 2312 | 2317 | 2321 | rBV2 | 35532 | 57922 | 1.00% | 0.101% |
| 48 | 16.757 | 2321 | 2324 | 2327 | rVV2 | 31539 | 42043 | 0.73% | 0.073% |
| 49 | 16.839 | 2334 | 2338 | 2345 | rBV7 | 13614 | 27244 | 0.47% | 0.047% |
| 50 | 16.916 | 2345 | 2351 | 2352 | rBV2 | 44576 | 67046 | 1.16% | 0.117% |
| 51 | 16.933 | 2352 | 2354 | 2359 | rVV3 | 38685 | 54437 | 0.94% | 0.095% |
| 52 | 17.180 | 2389 | 2396 | 2400 | rBV | 1137802 | 1673057 | 28.88% | 2.909% |
| 53 | 17.222 | 2400 | 2403 | 2407 | rVV | 215134 | 293176 | 5.06% | 0.510% |
| 54 | 17.275 | 2407 | 2412 | 2417 | rVV | 2026690 | 2975532 | 51.36% | 5.174% |
| 55 | 17.310 | 2417 | 2418 | 2423 | rVV | 259885 | 238499 | 4.12% | 0.415% |
| 56 | 17.369 | 2423 | 2428 | 2433 | rVV4 | 38524 | 76699 | 1.32% | 0.133% |
| 57 | 17.616 | 2467 | 2470 | 2476 | rVV | 28183 | 53751 | 0.93% | 0.093% |
| 58 | 17.675 | 2477 | 2480 | 2487 | rVB2 | 39574 | 69778 | 1.20% | 0.121% |
| 59 | 17.845 | 2505 | 2509 | 2514 | rVB | 48933 | 67458 | 1.16% | 0.117% |
| 60 | 18.069 | 2540 | 2547 | 2549 | rBV2 | 87975 | 189255 | 3.27% | 0.329% |
| 61 | 18.098 | 2549 | 2552 | 2557 | rVB | 116153 | 168918 | 2.92% | 0.294% |
| 62 | 18.180 | 2561 | 2566 | 2571 | rBV | 127377 | 182021 | 3.14% | 0.316% |
| 63 | 18.251 | 2572 | 2578 | 2582 | rBV2 | 219977 | 392161 | 6.77% | 0.682% |
| 64 | 18.363 | 2594 | 2597 | 2601 | rBV | 51604 | 65380 | 1.13% | 0.114% |
| 65 | 18.498 | 2615 | 2620 | 2625 | rBV | 385040 | 525498 | 9.07% | 0.914% |
| 66 | 18.551 | 2626 | 2629 | 2633 | rVB | 94001 | 126516 | 2.18% | 0.220% |
| 67 | 18.798 | 2668 | 2671 | 2675 | rBV | 31798 | 38629 | 0.67% | 0.067% |
| 68 | 18.851 | 2677 | 2680 | 2683 | rVB | 36389 | 37925 | 0.65% | 0.066% |
| 69 | 18.886 | 2683 | 2686 | 2690 | rVB2 | 46672 | 61103 | 1.05% | 0.106% |
| 70 | 18.969 | 2694 | 2700 | 2703 | rBV | 113739 | 212298 | 3.66% | 0.369% |
| 71 | 19.022 | 2706 | 2709 | 2714 | rVB4 | 87010 | 146276 | 2.52% | 0.254% |
| 72 | 19.104 | 2719 | 2723 | 2736 | rVB5 | 55544 | 146595 | 2.53% | 0.255% |
| 73 | 19.233 | 2739 | 2745 | 2751 | rVB | 1717486 | 2368051 | 40.87% | 4.118% |
| 74 | 19.292 | 2752 | 2755 | 2758 | rVB | 43264 | 49744 | 0.86% | 0.086% |
| 75 | 19.333 | 2758 | 2762 | 2766 | rBV5 | 43141 | 74201 | 1.28% | 0.129% |
| 76 | 19.380 | 2766 | 2770 | 2774 | rVV | 108871 | 140946 | 2.43% | 0.245% |

LSC Area Percent Report

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Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.563 | 2796 | 2801 | 2804 | rBV2 | 1694389 | 2431242 | 41.96% | 4.227% |
| 78 | 19.592 | 2804 | 2806 | 2814 | rVV | 678023 | 874391 | 15.09% | 1.520% |
| 79 | 19.663 | 2815 | 2818 | 2825 | rVB2 | 93566 | 157118 | 2.71% | 0.273% |
| 80 | 19.769 | 2832 | 2836 | 2843 | rVB | 144718 | 218956 | 3.78% | 0.381% |
| 81 | 19.916 | 2856 | 2861 | 2869 | rBV4 | 151089 | 380006 | 6.56% | 0.661% |
| 82 | 20.051 | 2879 | 2884 | 2886 | rBV4 | 122057 | 213331 | 3.68% | 0.371% |
| 83 | 20.086 | 2886 | 2890 | 2897 | rVB | 468310 | 679109 | 11.72% | 1.181% |
| 84 | 20.186 | 2903 | 2907 | 2911 | rBV | 405013 | 494904 | 8.54% | 0.861% |
| 85 | 20.239 | 2911 | 2916 | 2921 | rVB2 | 167676 | 305788 | 5.28% | 0.532% |
| 86 | 20.380 | 2938 | 2940 | 2944 | rBV | 47490 | 55181 | 0.95% | 0.096% |
| 87 | 20.427 | 2946 | 2948 | 2953 | rVB3 | 83936 | 106908 | 1.85% | 0.186% |
| 88 | 20.557 | 2966 | 2970 | 2975 | rBV | 5419699 | 5793765 | 100.00% | 10.074% |
| 89 | 20.792 | 3007 | 3010 | 3014 | rBV2 | 66101 | 86013 | 1.48% | 0.150% |
| 90 | 20.998 | 3042 | 3045 | 3048 | rBV | 81111 | 82858 | 1.43% | 0.144% |
| 91 | 21.033 | 3048 | 3051 | 3053 | rBV | 177308 | 213741 | 3.69% | 0.372% |
| 92 | 21.257 | 3087 | 3089 | 3093 | rVB | 190565 | 212305 | 3.66% | 0.369% |
| 93 | 21.339 | 3097 | 3103 | 3107 | rVV2 | 2131493 | 4164948 | 71.89% | 7.242% |
| 94 | 21.380 | 3107 | 3110 | 3119 | rVB | 1120046 | 1584807 | 27.35% | 2.756% |
| 95 | 21.898 | 3195 | 3198 | 3202 | rVB | 219643 | 254420 | 4.39% | 0.442% |
| 96 | 22.198 | 3246 | 3249 | 3254 | rVB2 | 205544 | 274064 | 4.73% | 0.477% |
| 97 | 22.933 | 3368 | 3374 | 3379 | rBV | 806947 | 1966363 | 33.94% | 3.419% |
| 98 | 23.109 | 3401 | 3404 | 3410 | rVB | 237496 | 352356 | 6.08% | 0.613% |
| 99 | 23.474 | 3461 | 3466 | 3471 | rBV2 | 477233 | 957743 | 16.53% | 1.665% |
| 100 | 23.615 | 3484 | 3490 | 3498 | rBV2 | 1126437 | 2113478 | 36.48% | 3.675% |

Sum of corrected areas: 57511278

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
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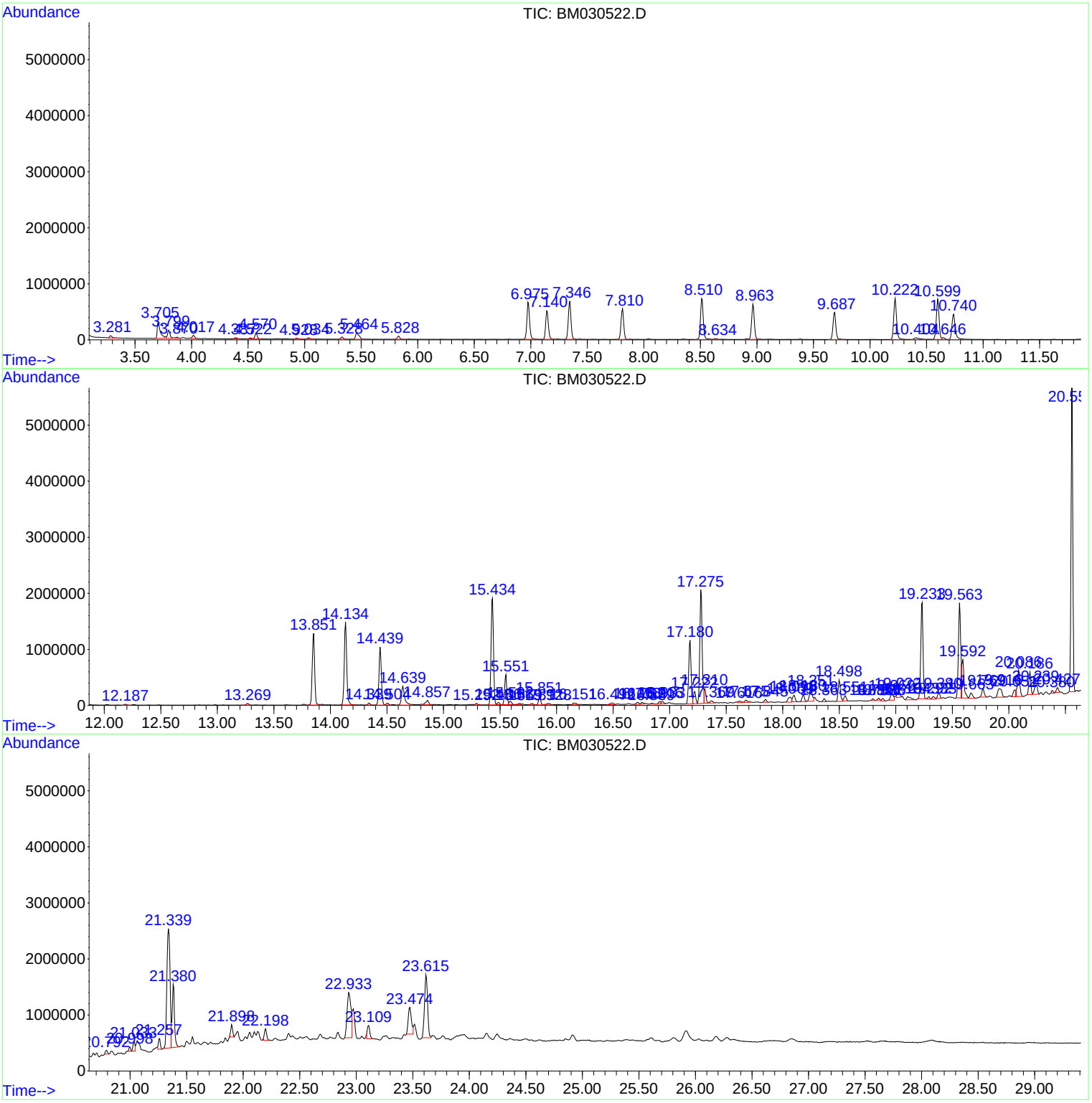
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

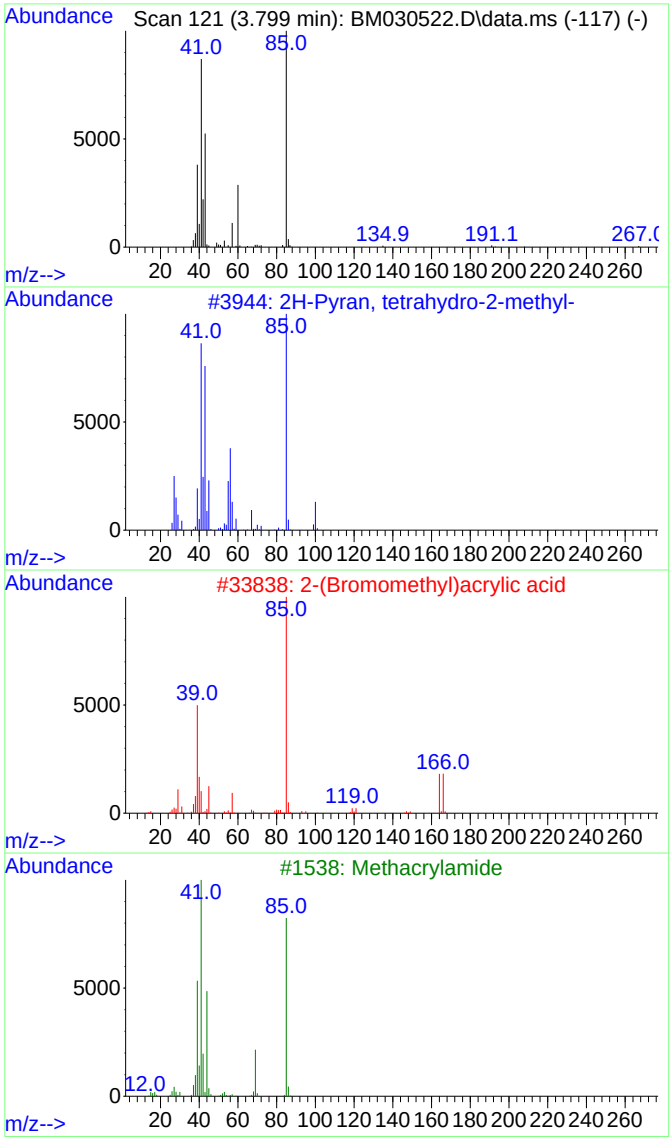
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

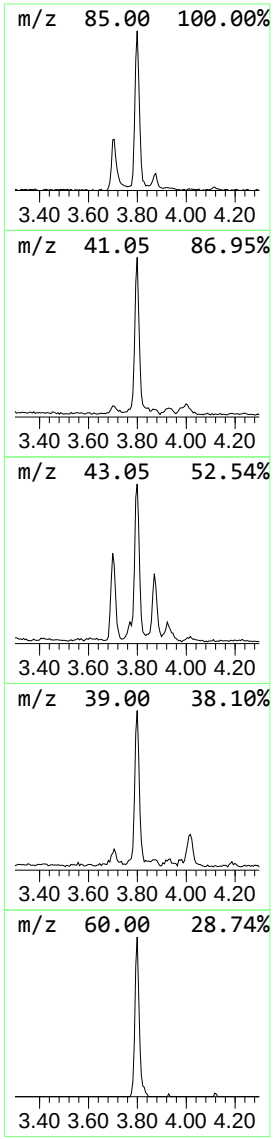
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.800 | 4.87 ng/ul | 212868 | 1,4-Dichlorobenzene-d4 | 7.810 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 50 |
| 2 | 2-(Bromomethyl)acrylic acid | 164 | C4H5BrO2 | 072707-66-5 | 40 |
| 3 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 25 |
| 4 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 25 |
| 5 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

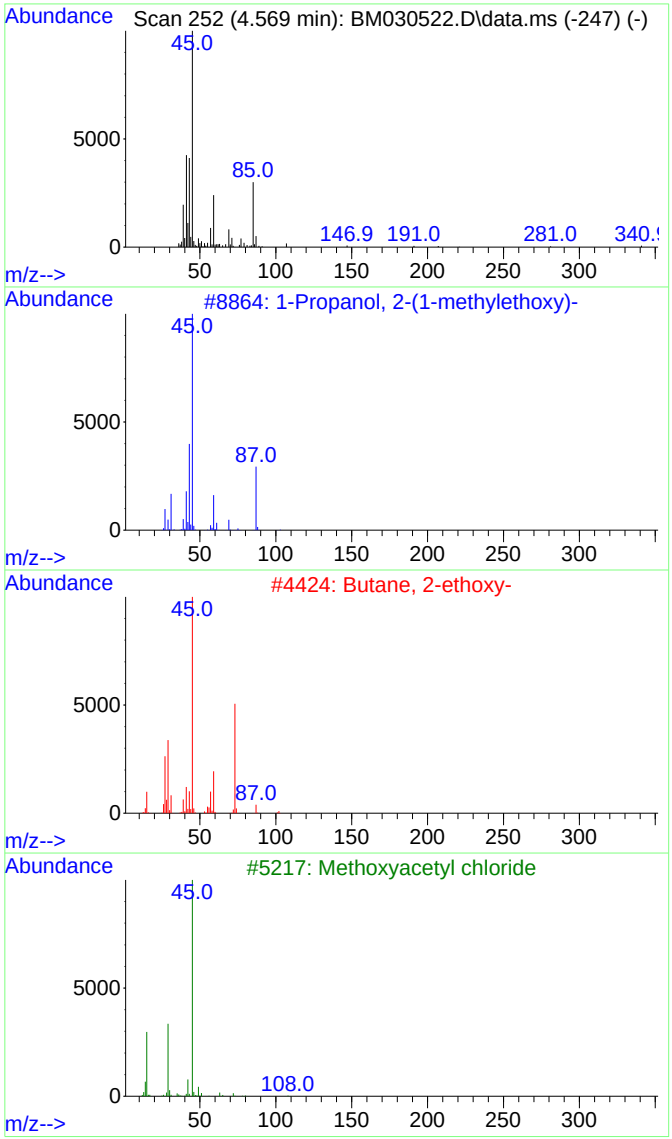
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

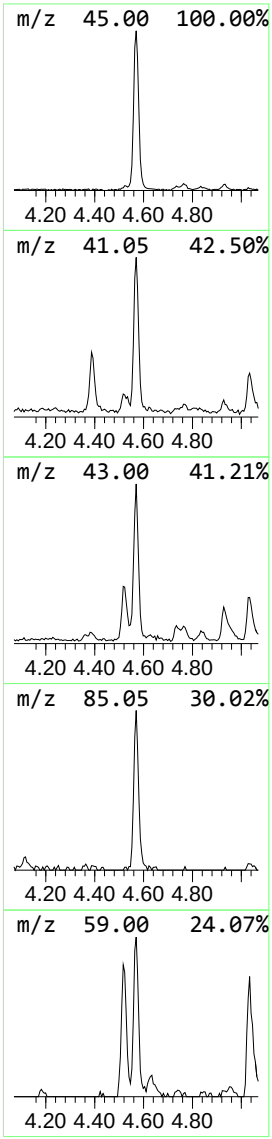
**********

Peak Number 2 unknown-01 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.570 | 3.34 ng/ul | 146023 | 1,4-Dichlorobenzene-d4 | 7.810 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 42 |
| 2 | Butane, 2-ethoxy- | 102 | C6H14O | 002679-87-0 | 42 |
| 3 | Methoxyacetyl chloride | 108 | C3H5ClO2 | 038870-89-2 | 40 |
| 4 | 2,2-Dichloroethyl methyl ether | 128 | C3H6Cl2O | 034862-07-2 | 38 |
| 5 | 2-Hexanol, 5-methyl- | 116 | C7H16O | 000627-59-8 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

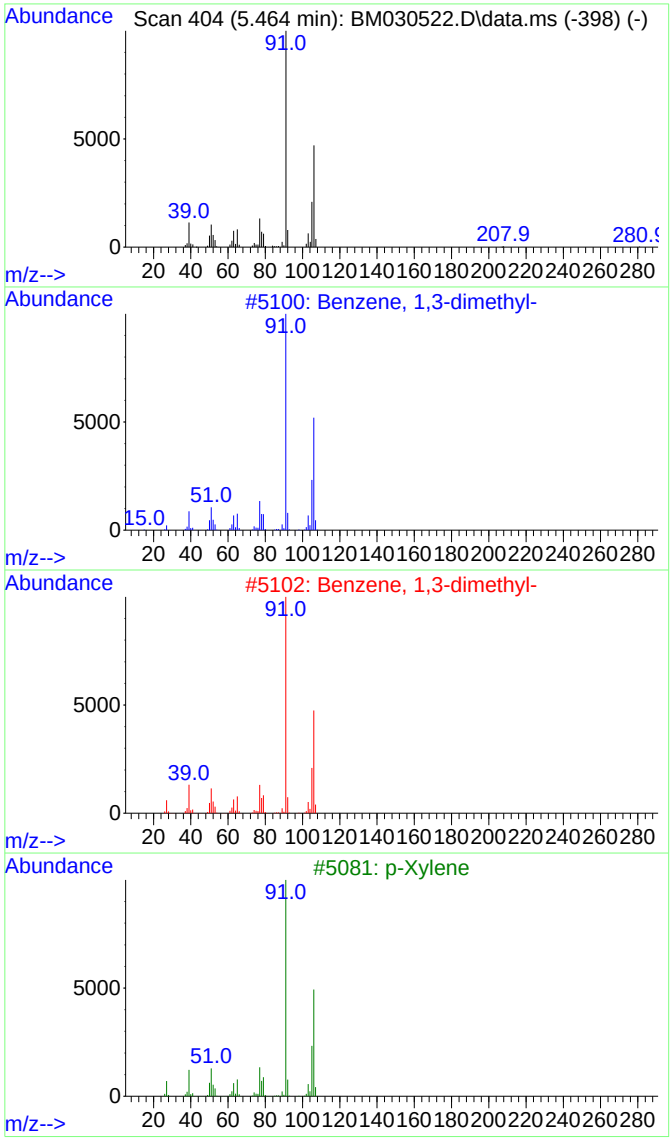
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

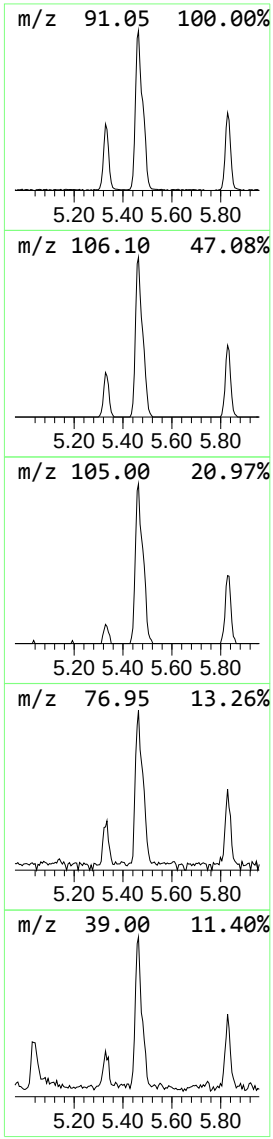
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.460 | 5.54 ng/ul | 242269 | 1,4-Dichlorobenzene-d4 | 7.810 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 4 | o-Xylene | 106 | C8H10 | 000095-47-6 | 97 |
| 5 | o-Xylene | 106 | C8H10 | 000095-47-6 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

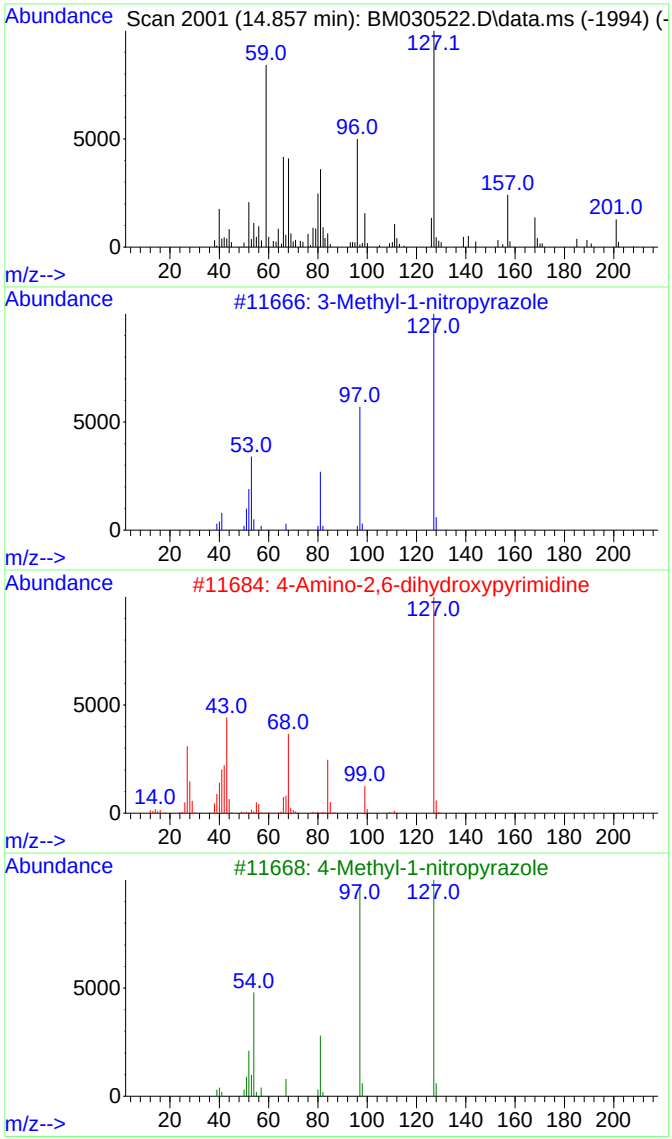
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

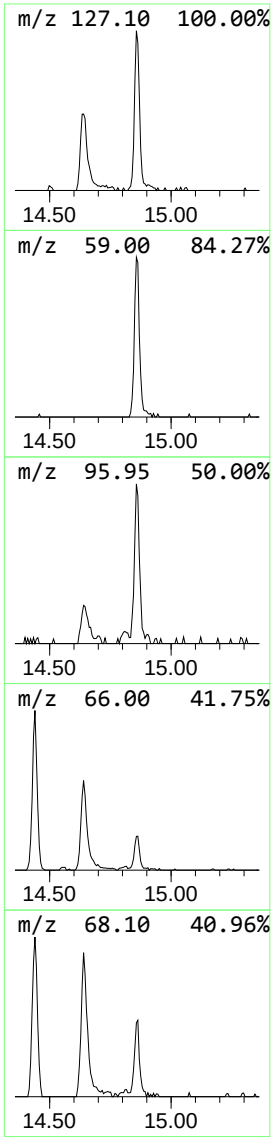
**********

Peak Number 5 unknown-02 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.860 | 2.01 ng/ul | 149674 | Acenaphthene-d10 | 14.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methyl-1-nitropyrazole | 127 | C4H5N3O2 | 031163-84-5 | 14 |
| 2 | 4-Amino-2,6-dihydroxypyrimidine | 127 | C4H5N3O2 | 000873-83-6 | 10 |
| 3 | 4-Methyl-1-nitropyrazole | 127 | C4H5N3O2 | 038858-82-1 | 10 |
| 4 | 4-Amino-2,6-dihydroxypyrimidine | 127 | C4H5N3O2 | 000873-83-6 | 10 |
| 5 | Cyclopentene, 4-(2-methoxyethoxy... | 172 | C9H16O3 | 1000155-97-7 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

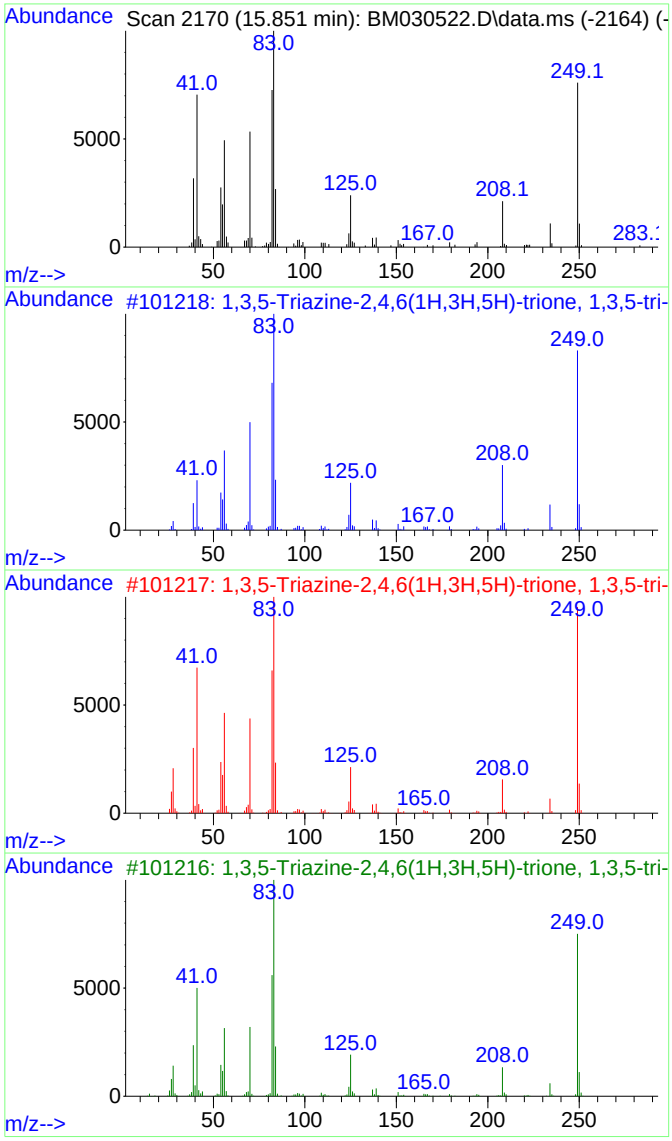
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

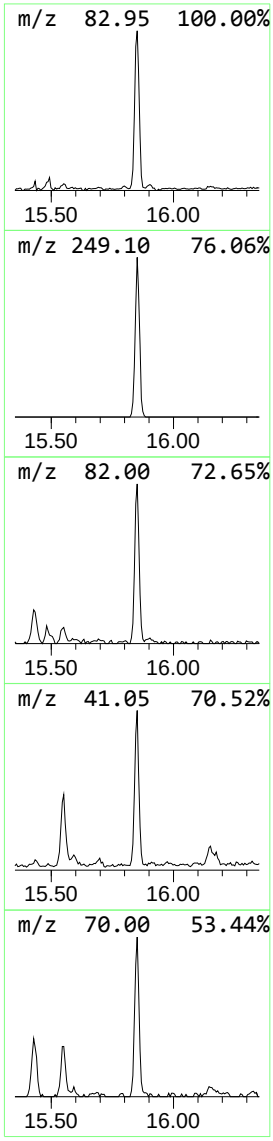
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1,3,5-Triazine-2,4,6(1H,3H,... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.850 | 2.38 ng/ul | 198872 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 95 |
| 2 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 94 |
| 3 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 93 |
| 4 | 4H-1-Benzopyran-2-carboxylic aci... | 249 | C12H11NO5 | 032142-43-1 | 50 |
| 5 | 2-Methylphenanthro[3,4-d][1,3]ox... | 249 | C16H11NO2 | 098033-24-0 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

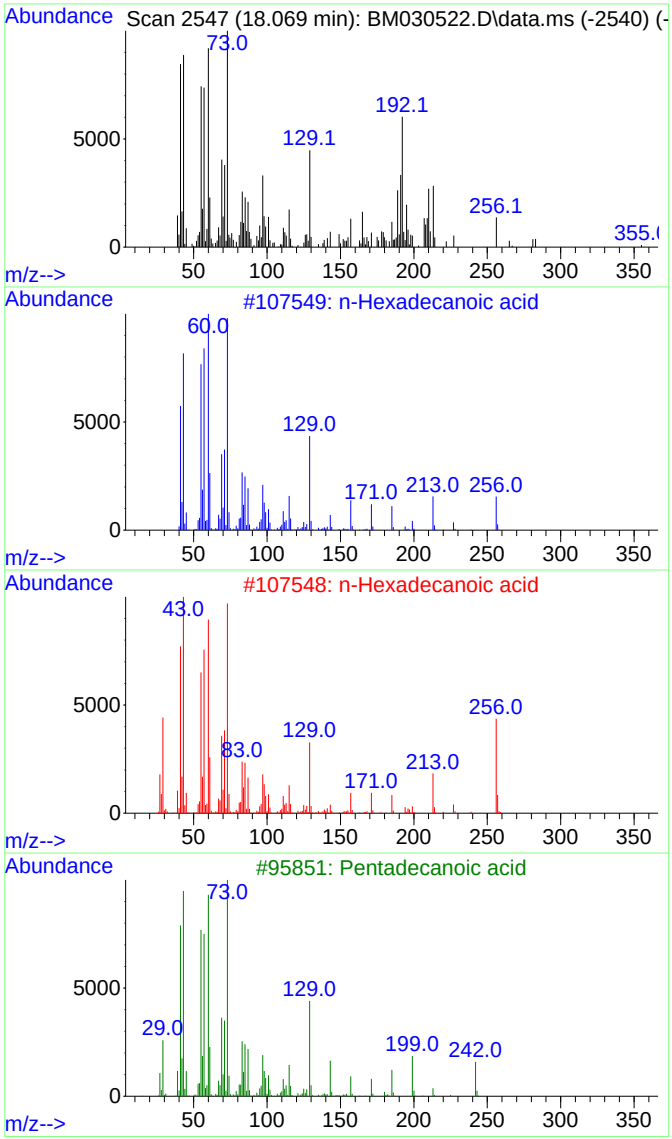
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

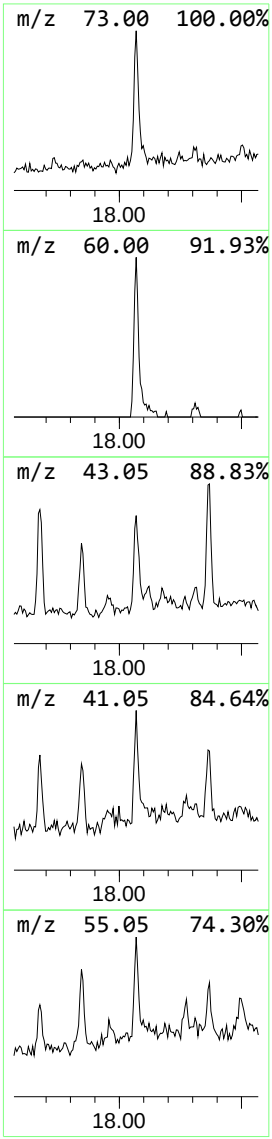
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.070 | 2.26 ng/ul | 189255 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 84 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 46 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 41 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 41 |



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Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

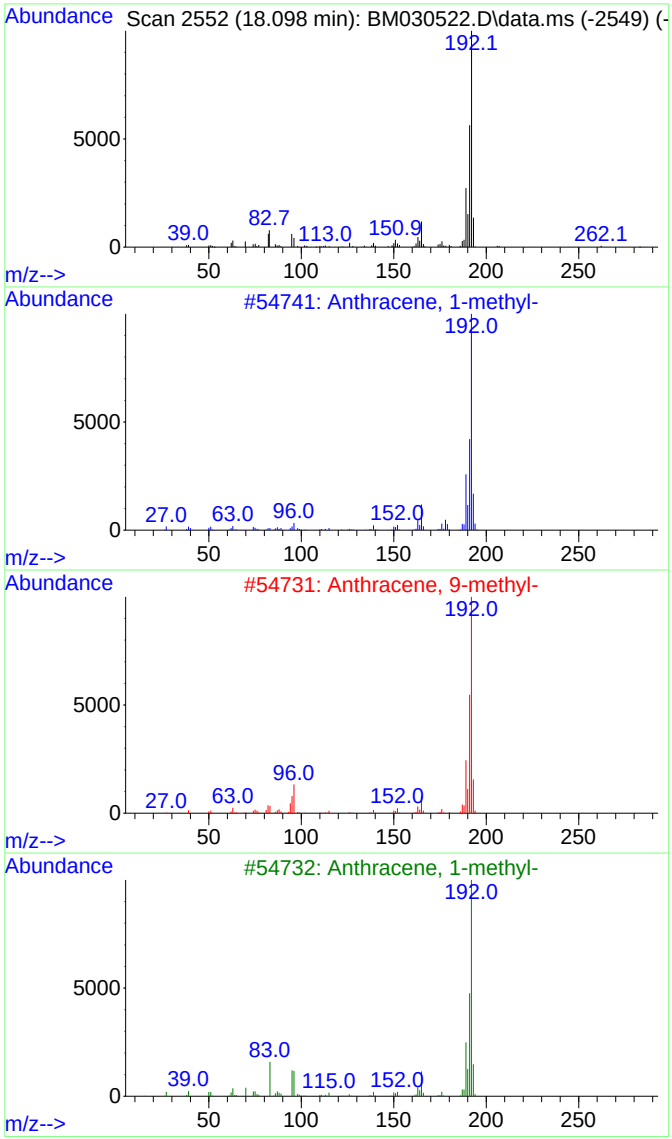
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

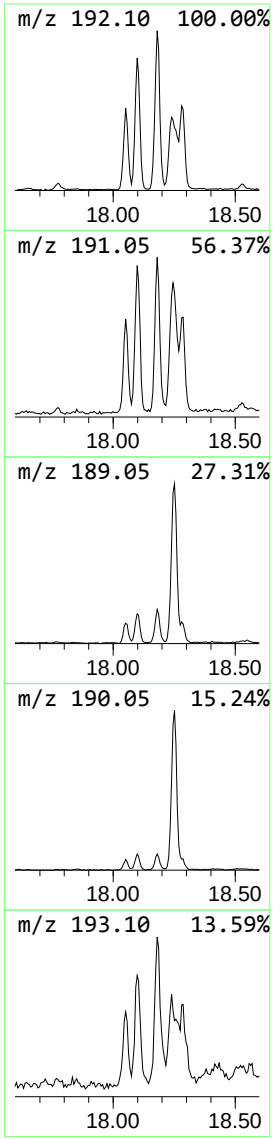
**********

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.100 | 2.02 ng/ul | 168918 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



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Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

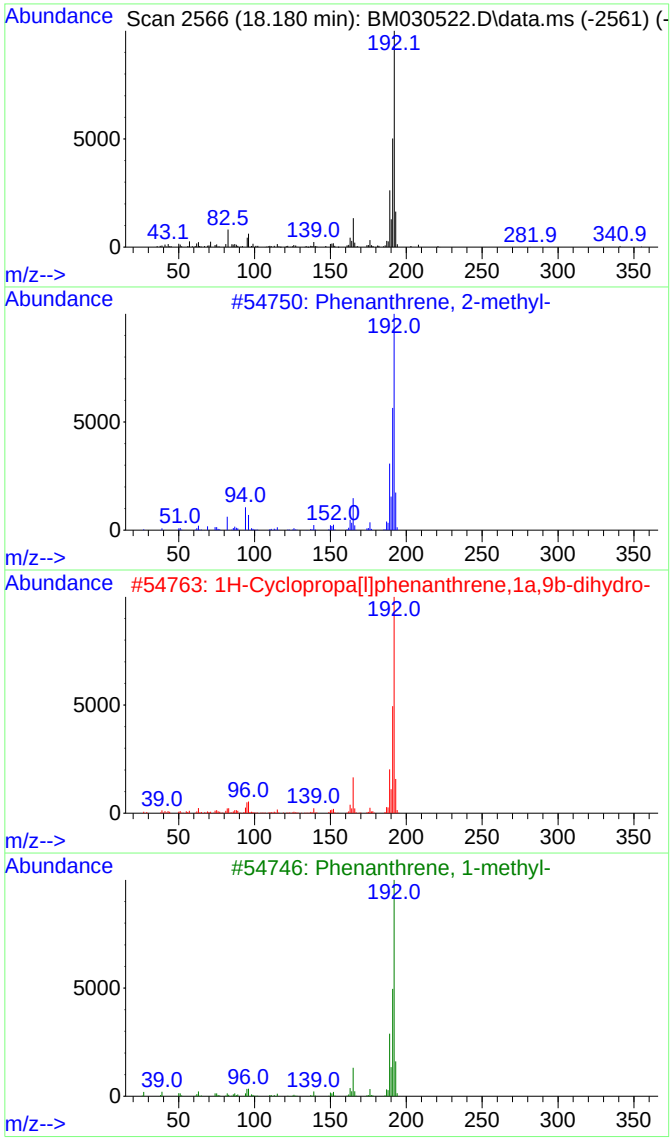
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

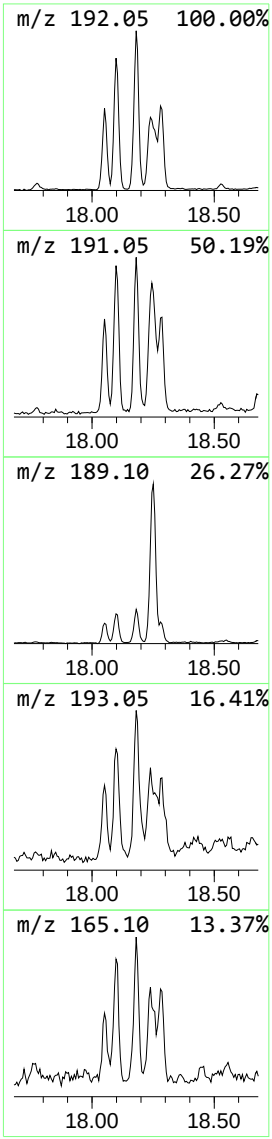
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.180 | 2.18 ng/ul | 182021 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 97 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

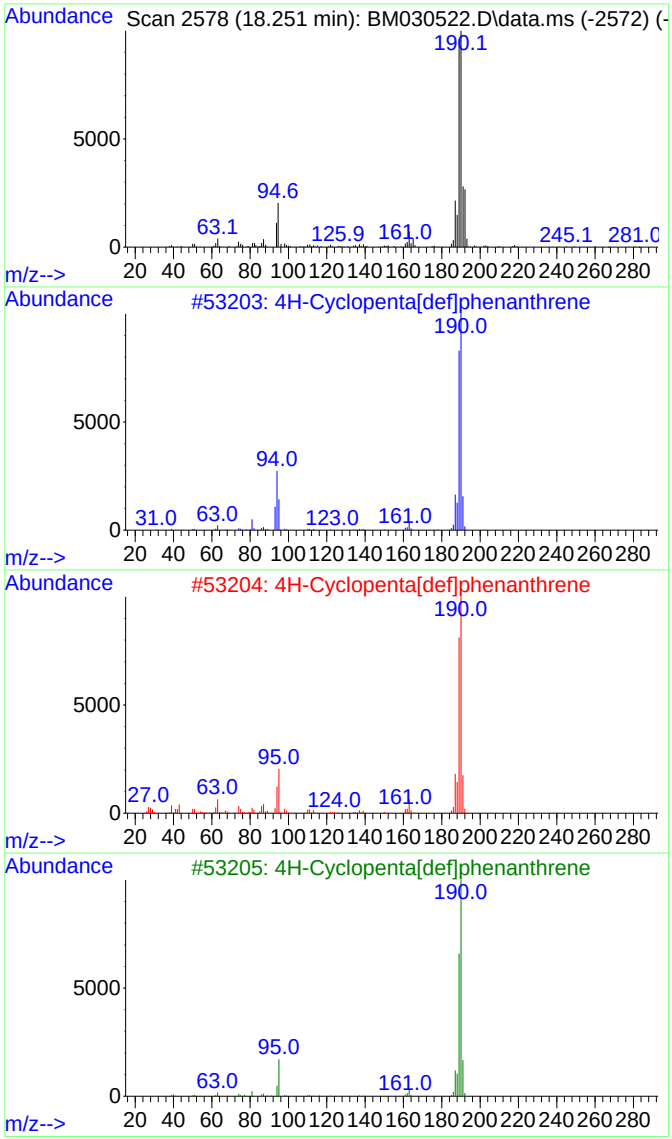
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

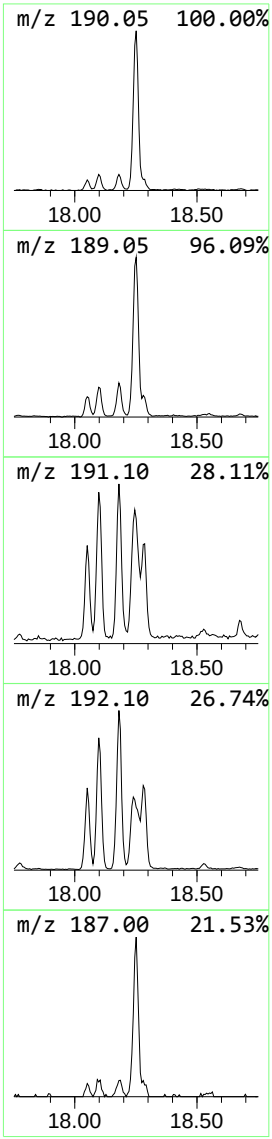
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.250 | 4.69 ng/ul | 392161 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 68 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

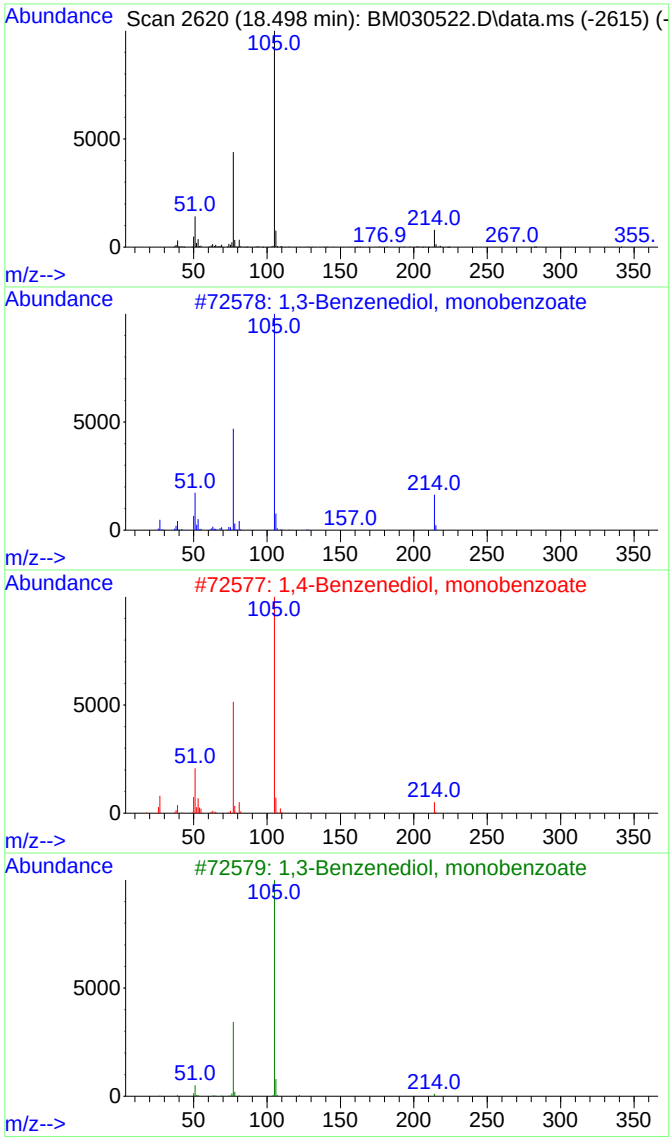
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

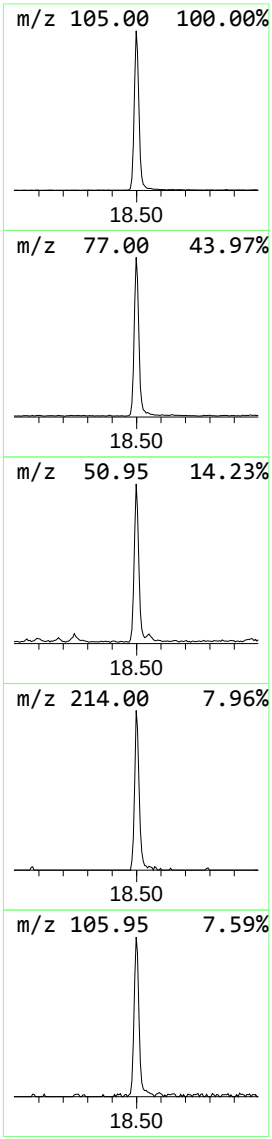
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 1,3-Benzenediol, monobenzoate Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.500 | 6.28 ng/ul | 525498 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Benzenediol, monobenzoate | 214 | C13H10O3 | 000136-36-7 | 91 |
| 2 | 1,4-Benzenediol, monobenzoate | 214 | C13H10O3 | 002444-19-1 | 90 |
| 3 | 1,3-Benzenediol, monobenzoate | 214 | C13H10O3 | 000136-36-7 | 87 |
| 4 | 1-Benzoyloxy-2-formyloxybenzene | 242 | C14H10O4 | 079792-93-1 | 83 |
| 5 | N-(4-Fluorophenyl)-.alpha.-phene... | 215 | C14H14FN | 148254-55-1 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

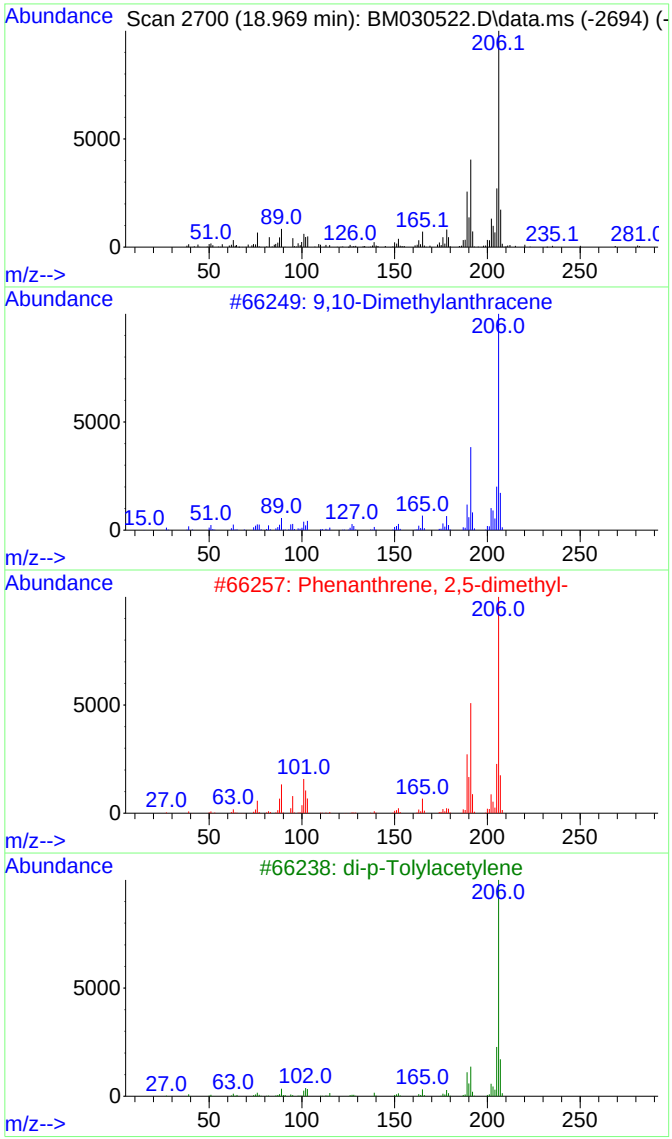
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

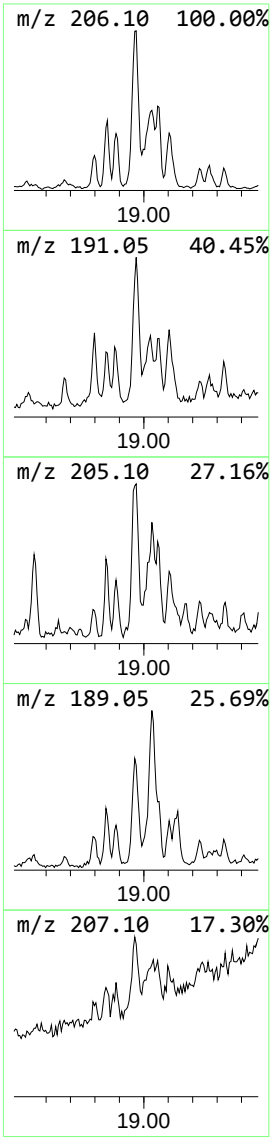
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.970 | 2.54 ng/ul | 212298 | Phenanthrene-d10 | 17.180 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 96 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 93 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |



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Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

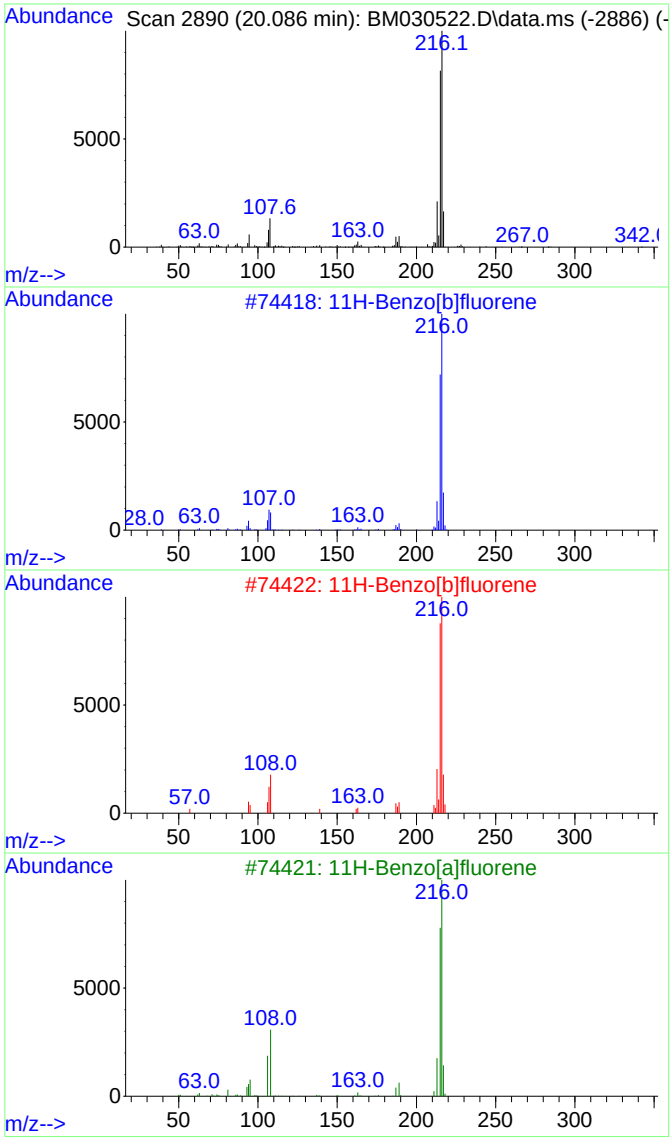
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

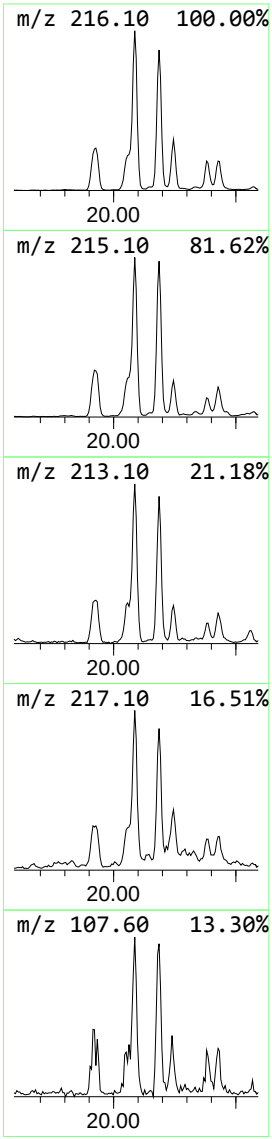
**********

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.090 | 3.26 ng/ul | 679109 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 83 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 80 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

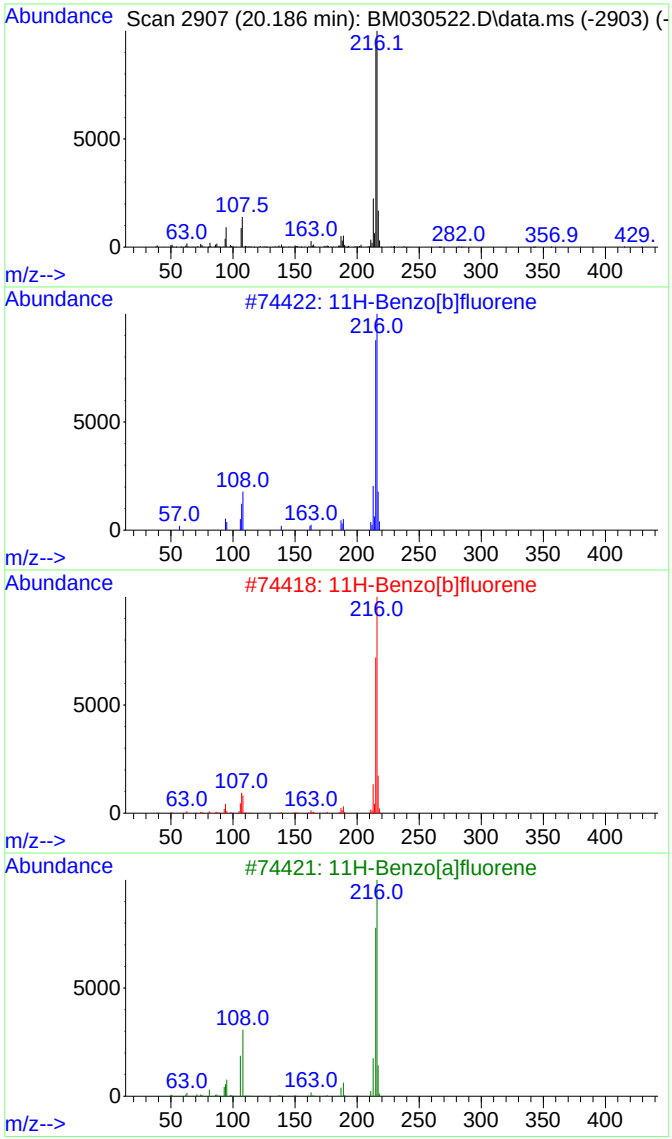
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

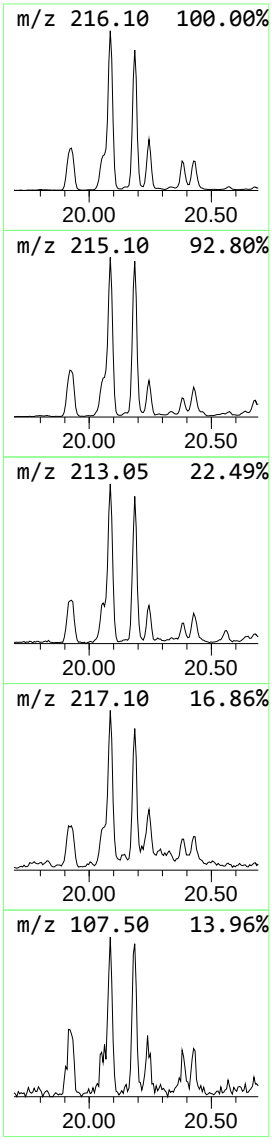
**********

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.190 | 2.38 ng/ul | 494904 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |



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Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BGDE5

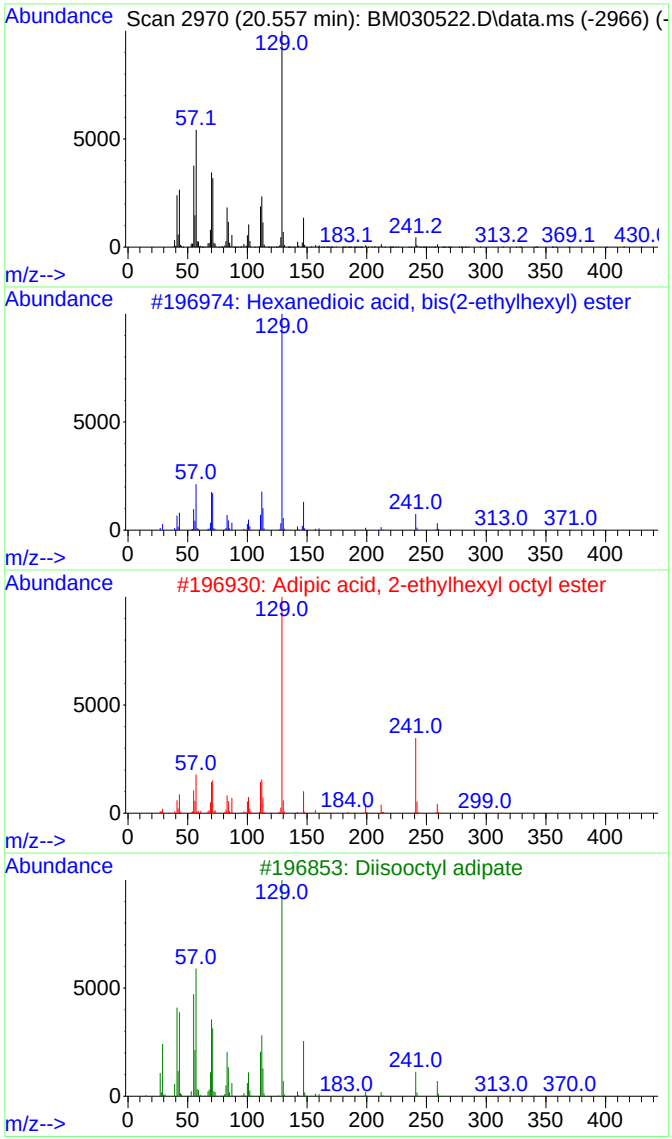
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

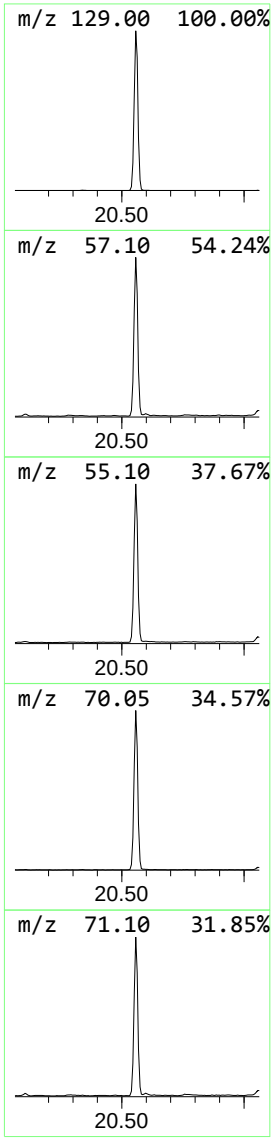
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Hexanedioic acid, bis(2-eth... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.560 | 27.82 ng/ul | 5793770 | Chrysene-d12 | 21.345 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 91 |
| 2 | Adipic acid, 2-ethylhexyl octyl ... | 370 | C22H42O4 | 1000324-48-6 | 90 |
| 3 | Diisooctyl adipate | 370 | C22H42O4 | 001330-86-5 | 87 |
| 4 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 86 |
| 5 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

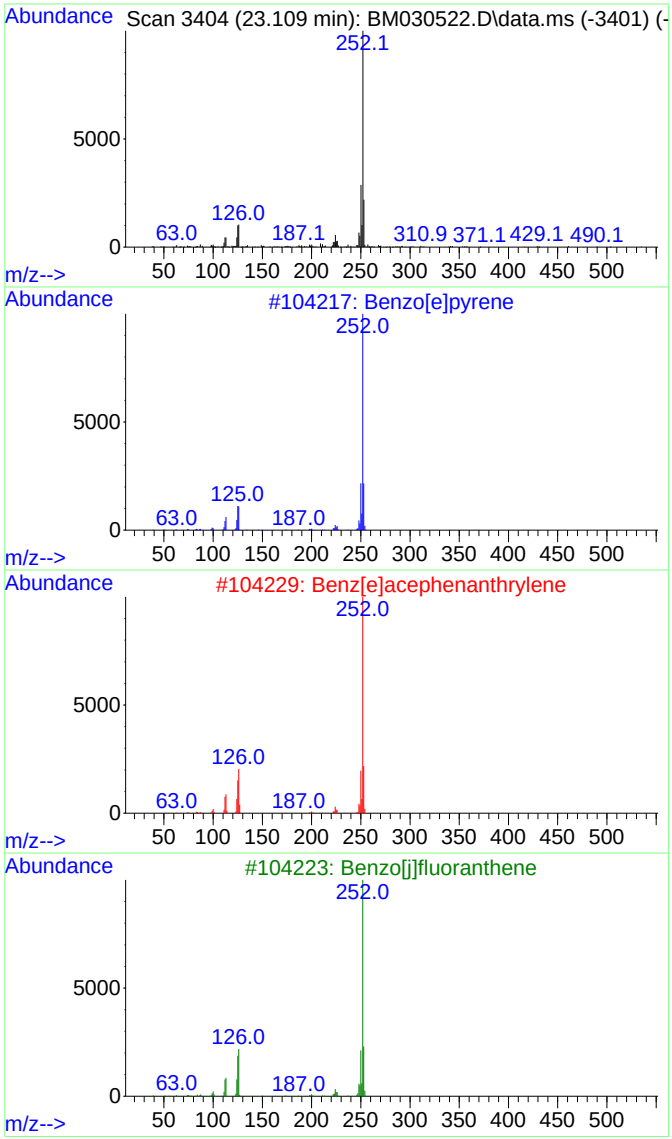
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

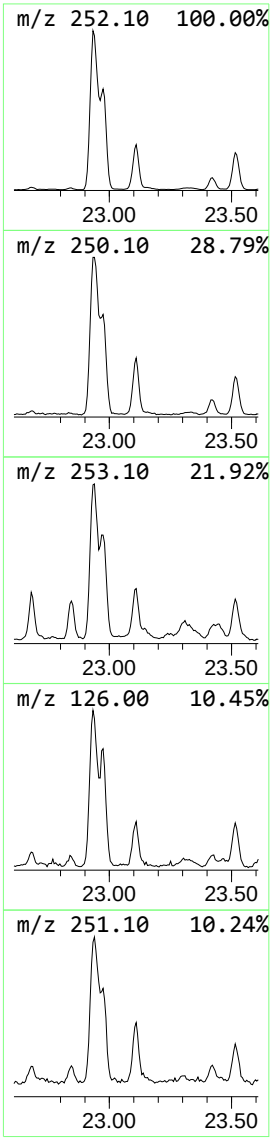
**********

Peak Number 16 Benzo[e]pyrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.110 | 3.33 ng/ul | 352356 | Perylene-d12 | 23.615 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 91 |
| 3 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
Data File : BM030522.D
Acq On : 22 Jun 2021 19:18
Operator : CG/JU
Sample : M2662-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDE5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2H-Pyran, tetra... | 3.800 | 4.9 | ng/ul | 212868 | 1 | 7.810 | 874957 | 20.0 |
| unknown-01 | 4.570 | 3.3 | ng/ul | 146023 | 1 | 7.810 | 874957 | 20.0 |
| Benzene, 1,3-di... | 5.460 | 5.5 | ng/ul | 242269 | 1 | 7.810 | 874957 | 20.0 |
| unknown-02 | 14.860 | 2.0 | ng/ul | 149674 | 3 | 14.439 | 1488900 | 20.0 |
| 1,3,5-Triazine-... | 15.850 | 2.4 | ng/ul | 198872 | 4 | 17.180 | 1673060 | 20.0 |
| n-Hexadecanoic ... | 18.070 | 2.3 | ng/ul | 189255 | 4 | 17.180 | 1673060 | 20.0 |
| Anthracene, 1-m... | 18.100 | 2.0 | ng/ul | 168918 | 4 | 17.180 | 1673060 | 20.0 |
| Phenanthrene, 2... | 18.180 | 2.2 | ng/ul | 182021 | 4 | 17.180 | 1673060 | 20.0 |
| 4H-Cyclopenta[d... | 18.250 | 4.7 | ng/ul | 392161 | 4 | 17.180 | 1673060 | 20.0 |
| 1,3-Benzenediol... | 18.500 | 6.3 | ng/ul | 525498 | 4 | 17.180 | 1673060 | 20.0 |
| 9,10-Dimethylan... | 18.970 | 2.5 | ng/ul | 212298 | 4 | 17.180 | 1673060 | 20.0 |
| 11H-Benzo[b]flu... | 20.090 | 3.3 | ng/ul | 679109 | 5 | 21.345 | 4164950 | 20.0 |
| 11H-Benzo[a]flu... | 20.190 | 2.4 | ng/ul | 494904 | 5 | 21.345 | 4164950 | 20.0 |
| Hexanedioic aci... | 20.560 | 27.8 | ng/ul | 5793770 | 5 | 21.345 | 4164950 | 20.0 |
| Benzo[e]pyrene | 23.110 | 3.3 | ng/ul | 352356 | 6 | 23.615 | 2113480 | 20.0 |