LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

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_G\METHODS\SFAM-EPA-BG070921.M
Title : SVOA CALIBRATION

Signal : TIC: BG049378.D

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.093 | 4 | 9 | 19 | rBV | 132852 | 302873 | 27.69% | 1.981% |
| 2 | 3.176 | 19 | 23 | 36 | rVB | 170500 | 303710 | 27.76% | 1.986% |
| 3 | 3.881 | 140 | 143 | 158 | rBV | 20739 | 46668 | 4.27% | 0.305% |
| 4 | 4.210 | 195 | 199 | 202 | rBV | 5866 | 7774 | 0.71% | 0.051% |
| 5 | 7.218 | 702 | 711 | 721 | rBV2 | 93917 | 171877 | 15.71% | 1.124% |
| 6 | 7.382 | 731 | 739 | 748 | rBV2 | 55512 | 105194 | 9.62% | 0.688% |
| 7 | 7.594 | 769 | 775 | 783 | rVB | 88616 | 162526 | 14.86% | 1.063% |
| 8 | 8.064 | 847 | 855 | 862 | rBV | 103002 | 186487 | 17.05% | 1.220% |
| 9 | 8.610 | 940 | 948 | 952 | rBV6 | 2995 | 6092 | 0.56% | 0.040% |
| 10 | 8.769 | 968 | 975 | 984 | rVB2 | 115629 | 213655 | 19.53% | 1.397% |
| 11 | 9.227 | 1044 | 1053 | 1062 | rBV | 95231 | 179983 | 16.45% | 1.177% |
| 12 | 9.956 | 1170 | 1177 | 1185 | rBV | 86050 | 162121 | 14.82% | 1.060% |
| 13 | 10.502 | 1262 | 1270 | 1282 | rBV | 124268 | 222983 | 20.38% | 1.458% |
| 14 | 10.649 | 1287 | 1295 | 1303 | rBV2 | 7558 | 15997 | 1.46% | 0.105% |
| 15 | 10.884 | 1323 | 1335 | 1341 | rBV | 148645 | 271889 | 24.86% | 1.778% |
| 16 | 10.931 | 1341 | 1343 | 1350 | rVB3 | 15825 | 25363 | 2.32% | 0.166% |
| 17 | 11.019 | 1350 | 1358 | 1366 | rBV | 103455 | 197428 | 18.05% | 1.291% |
| 18 | 12.535 | 1610 | 1616 | 1625 | rBV4 | 3565 | 8231 | 0.75% | 0.054% |
| 19 | 13.534 | 1781 | 1786 | 1790 | rVB4 | 4098 | 6816 | 0.62% | 0.045% |
| 20 | 13.869 | 1838 | 1843 | 1844 | rBV | 5715 | 5885 | 0.54% | 0.038% |
| 21 | 14.039 | 1865 | 1872 | 1875 | rVV3 | 14814 | 23313 | 2.13% | 0.152% |
| 22 | 14.110 | 1878 | 1884 | 1890 | rVV | 243694 | 364042 | 33.28% | 2.381% |
| 23 | 14.174 | 1894 | 1895 | 1902 | rVB4 | 4806 | 5997 | 0.55% | 0.039% |
| 24 | 14.268 | 1907 | 1911 | 1915 | rBV2 | 6382 | 10645 | 0.97% | 0.070% |
| 25 | 14.404 | 1927 | 1934 | 1945 | rBV | 238154 | 423771 | 38.74% | 2.771% |
| 26 | 14.709 | 1974 | 1986 | 1993 | rBV | 226819 | 376888 | 34.45% | 2.465% |
| 27 | 14.774 | 1993 | 1997 | 2005 | rVB | 38569 | 66280 | 6.06% | 0.433% |
| 28 | 14.909 | 2014 | 2020 | 2032 | rBV2 | 93383 | 163489 | 14.95% | 1.069% |
| 29 | 15.115 | 2049 | 2055 | 2060 | rVB3 | 27813 | 47607 | 4.35% | 0.311% |
| 30 | 15.185 | 2062 | 2067 | 2071 | rBV3 | 12469 | 17510 | 1.60% | 0.115% |
| 31 | 15.326 | 2085 | 2091 | 2096 | rBV4 | 11376 | 23009 | 2.10% | 0.150% |
| 32 | 15.373 | 2096 | 2099 | 2105 | rVB3 | 10557 | 16544 | 1.51% | 0.108% |
| 33 | 15.496 | 2112 | 2120 | 2124 | rBV7 | 10003 | 23385 | 2.14% | 0.153% |
| 34 | 15.585 | 2131 | 2135 | 2141 | rVB3 | 5823 | 8456 | 0.77% | 0.055% |
| 35 | 15.702 | 2148 | 2155 | 2161 | rVV | 314111 | 502262 | 45.92% | 3.285% |
| 36 | 15.761 | 2161 | 2165 | 2170 | rVV3 | 58480 | 88582 | 8.10% | 0.579% |

LSC Area Percent Report

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Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

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_G\METHODS\SFAM-EPA-BG070921.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.820 | 2170 | 2175 | 2184 | rVB | 73558 | 109260 | 9.99% | 0.715% |
| 38 | 15.919 | 2190 | 2192 | 2196 | rBV5 | 5982 | 7754 | 0.71% | 0.051% |
| 39 | 16.055 | 2210 | 2215 | 2221 | rVB2 | 30506 | 49351 | 4.51% | 0.323% |
| 40 | 16.201 | 2229 | 2240 | 2249 | rVB3 | 33801 | 80261 | 7.34% | 0.525% |
| 41 | 16.284 | 2249 | 2254 | 2260 | rVV4 | 5908 | 12202 | 1.12% | 0.080% |
| 42 | 16.354 | 2260 | 2266 | 2271 | rVB5 | 8556 | 19719 | 1.80% | 0.129% |
| 43 | 16.437 | 2271 | 2280 | 2286 | rBV7 | 19337 | 40087 | 3.66% | 0.262% |
| 44 | 16.531 | 2292 | 2296 | 2300 | rBV3 | 13115 | 21427 | 1.96% | 0.140% |
| 45 | 16.566 | 2300 | 2302 | 2303 | rVV2 | 8685 | 7237 | 0.66% | 0.047% |
| 46 | 16.595 | 2303 | 2307 | 2313 | rVV5 | 15321 | 30984 | 2.83% | 0.203% |
| 47 | 16.648 | 2313 | 2316 | 2320 | rVV5 | 12700 | 18376 | 1.68% | 0.120% |
| 48 | 16.695 | 2322 | 2324 | 2329 | rVV4 | 6961 | 8514 | 0.78% | 0.056% |
| 49 | 16.766 | 2329 | 2336 | 2341 | rVV5 | 32154 | 69189 | 6.33% | 0.452% |
| 50 | 16.813 | 2341 | 2344 | 2348 | rVV4 | 12428 | 16235 | 1.48% | 0.106% |
| 51 | 16.860 | 2348 | 2352 | 2357 | rVB7 | 11433 | 18568 | 1.70% | 0.121% |
| 52 | 16.918 | 2357 | 2362 | 2366 | rVB3 | 22020 | 32719 | 2.99% | 0.214% |
| 53 | 16.995 | 2366 | 2375 | 2378 | rBV6 | 29778 | 54147 | 4.95% | 0.354% |
| 54 | 17.036 | 2378 | 2382 | 2385 | rVB3 | 15885 | 20724 | 1.89% | 0.136% |
| 55 | 17.124 | 2391 | 2397 | 2401 | rVB7 | 17654 | 33602 | 3.07% | 0.220% |
| 56 | 17.189 | 2404 | 2408 | 2414 | rVV4 | 26309 | 52870 | 4.83% | 0.346% |
| 57 | 17.283 | 2416 | 2424 | 2433 | rVV2 | 39050 | 76624 | 7.00% | 0.501% |
| 58 | 17.465 | 2448 | 2455 | 2458 | rBV | 292096 | 476854 | 43.59% | 3.119% |
| 59 | 17.506 | 2458 | 2462 | 2467 | rVV | 488364 | 738608 | 67.52% | 4.830% |
| 60 | 17.565 | 2467 | 2472 | 2475 | rVV | 344590 | 536339 | 49.03% | 3.508% |
| 61 | 17.594 | 2475 | 2477 | 2482 | rVV | 120714 | 149553 | 13.67% | 0.978% |
| 62 | 17.647 | 2482 | 2486 | 2492 | rVB6 | 16161 | 31300 | 2.86% | 0.205% |
| 63 | 17.735 | 2497 | 2501 | 2504 | rBV6 | 6984 | 10899 | 1.00% | 0.071% |
| 64 | 17.900 | 2525 | 2529 | 2533 | rBV6 | 11562 | 19085 | 1.74% | 0.125% |
| 65 | 17.982 | 2539 | 2543 | 2548 | rVB3 | 14190 | 23371 | 2.14% | 0.153% |
| 66 | 18.340 | 2599 | 2604 | 2608 | rBV | 95541 | 150883 | 13.79% | 0.987% |
| 67 | 18.387 | 2608 | 2612 | 2620 | rVB | 111677 | 162376 | 14.84% | 1.062% |
| 68 | 18.469 | 2620 | 2626 | 2631 | rBV2 | 61051 | 99398 | 9.09% | 0.650% |
| 69 | 18.540 | 2631 | 2638 | 2641 | rBV3 | 126625 | 233328 | 21.33% | 1.526% |
| 70 | 18.716 | 2666 | 2668 | 2673 | rBV6 | 8232 | 12650 | 1.16% | 0.083% |
| 71 | 18.775 | 2674 | 2678 | 2683 | rVV | 31837 | 55422 | 5.07% | 0.362% |
| 72 | 18.834 | 2683 | 2688 | 2692 | rVB | 66863 | 96722 | 8.84% | 0.633% |
| 73 | 19.080 | 2726 | 2730 | 2733 | rVB3 | 20496 | 26702 | 2.44% | 0.175% |
| 74 | 19.133 | 2735 | 2739 | 2741 | rVV2 | 18394 | 22844 | 2.09% | 0.149% |
| 75 | 19.169 | 2742 | 2745 | 2749 | rVB2 | 17861 | 20122 | 1.84% | 0.132% |
| 76 | 19.251 | 2754 | 2759 | 2763 | rBV4 | 42840 | 92318 | 8.44% | 0.604% |

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Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

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_G\METHODS\SFAM-EPA-BG070921.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.386 | 2779 | 2782 | 2783 | rBV3 | 13974 | 15557 | 1.42% | 0.102% |
| 78 | 19.515 | 2798 | 2804 | 2810 | rVB | 772933 | 1093878 | 100.00% | 7.154% |
| 79 | 19.568 | 2810 | 2813 | 2817 | rVB3 | 20673 | 27053 | 2.47% | 0.177% |
| 80 | 19.609 | 2817 | 2820 | 2824 | rVB4 | 23360 | 25744 | 2.35% | 0.168% |
| 81 | 19.662 | 2824 | 2829 | 2833 | rBV | 77107 | 110460 | 10.10% | 0.722% |
| 82 | 19.844 | 2855 | 2860 | 2863 | rBV2 | 435241 | 708060 | 64.73% | 4.631% |
| 83 | 19.880 | 2863 | 2866 | 2873 | rVB | 409147 | 577534 | 52.80% | 3.777% |
| 84 | 19.944 | 2873 | 2877 | 2884 | rVB2 | 54970 | 93438 | 8.54% | 0.611% |
| 85 | 20.050 | 2888 | 2895 | 2900 | rVB | 54037 | 100676 | 9.20% | 0.658% |
| 86 | 20.103 | 2900 | 2904 | 2905 | rBV4 | 15988 | 21415 | 1.96% | 0.140% |
| 87 | 20.191 | 2914 | 2919 | 2920 | rBV2 | 50614 | 70544 | 6.45% | 0.461% |
| 88 | 20.285 | 2932 | 2935 | 2938 | rBV3 | 22693 | 26997 | 2.47% | 0.177% |
| 89 | 20.332 | 2939 | 2943 | 2944 | rVV3 | 38963 | 55259 | 5.05% | 0.361% |
| 90 | 20.367 | 2945 | 2949 | 2953 | rVB | 152279 | 221175 | 20.22% | 1.446% |
| 91 | 20.461 | 2961 | 2965 | 2970 | rBV | 137628 | 194398 | 17.77% | 1.271% |
| 92 | 20.667 | 2995 | 3000 | 3003 | rBV | 36792 | 62923 | 5.75% | 0.412% |
| 93 | 20.820 | 3022 | 3026 | 3031 | rVB | 486742 | 566988 | 51.83% | 3.708% |
| 94 | 21.366 | 3116 | 3119 | 3123 | rVB2 | 48907 | 67131 | 6.14% | 0.439% |
| 95 | 21.730 | 3175 | 3181 | 3188 | rBV2 | 423104 | 1085862 | 99.27% | 7.101% |
| 96 | 21.795 | 3188 | 3192 | 3201 | rVB | 228425 | 402544 | 36.80% | 2.633% |
| 97 | 22.012 | 3226 | 3229 | 3235 | rVB3 | 44384 | 74038 | 6.77% | 0.484% |
| 98 | 23.992 | 3558 | 3566 | 3572 | rBV2 | 131644 | 416185 | 38.05% | 2.722% |
| 99 | 24.809 | 3699 | 3705 | 3711 | rVB | 104192 | 230364 | 21.06% | 1.507% |
| 100 | 25.038 | 3735 | 3744 | 3755 | rBV3 | 178899 | 538571 | 49.24% | 3.522% |

Sum of corrected areas: 15290750

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
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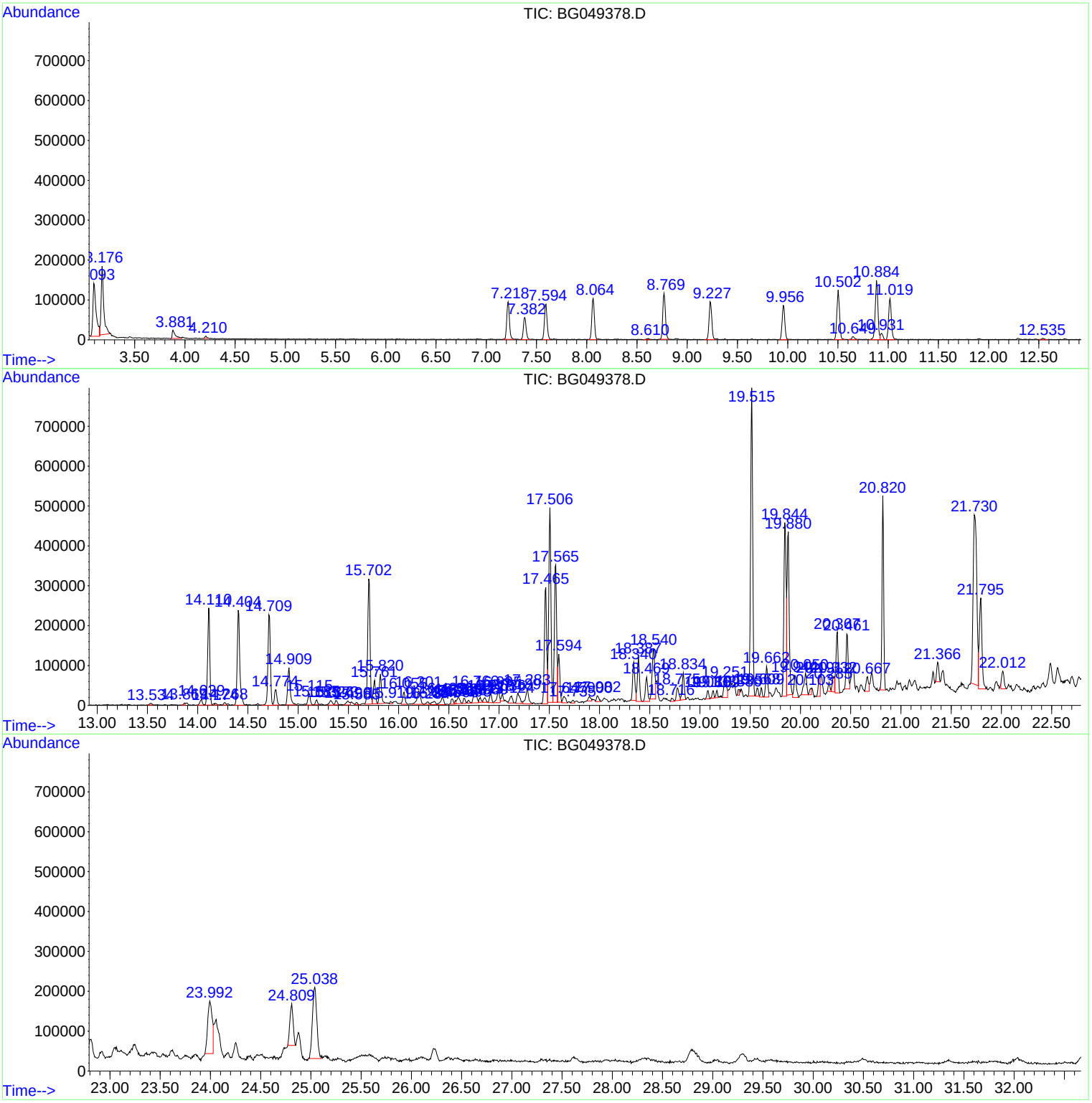
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

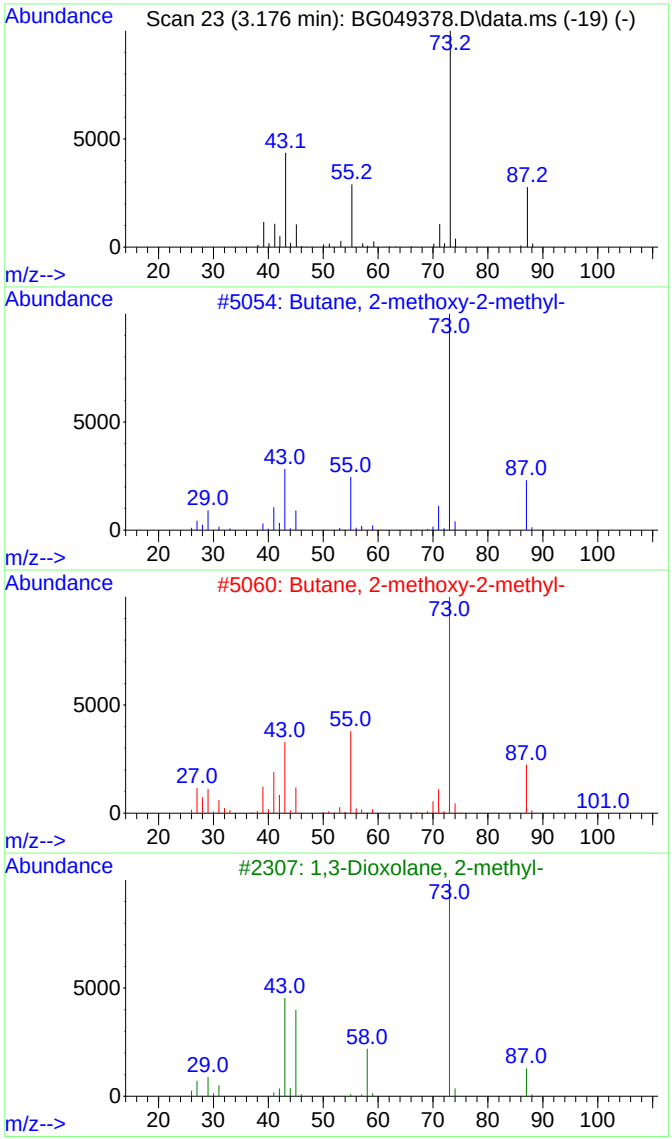
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

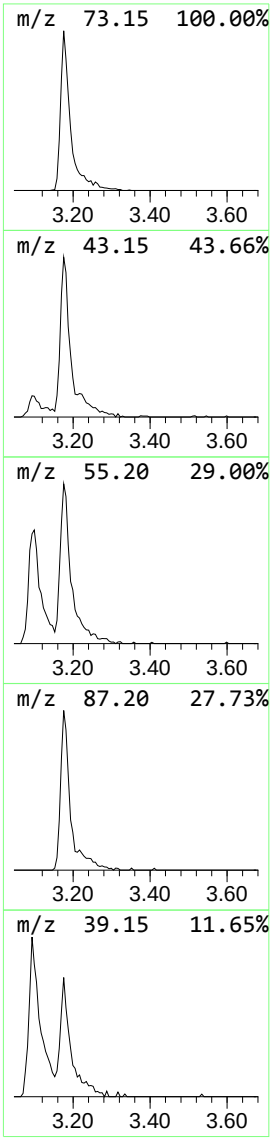
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.180 | 32.57 ng/ul | 303710 | 1,4-Dichlorobenzene-d4 | 8.064 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 47 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

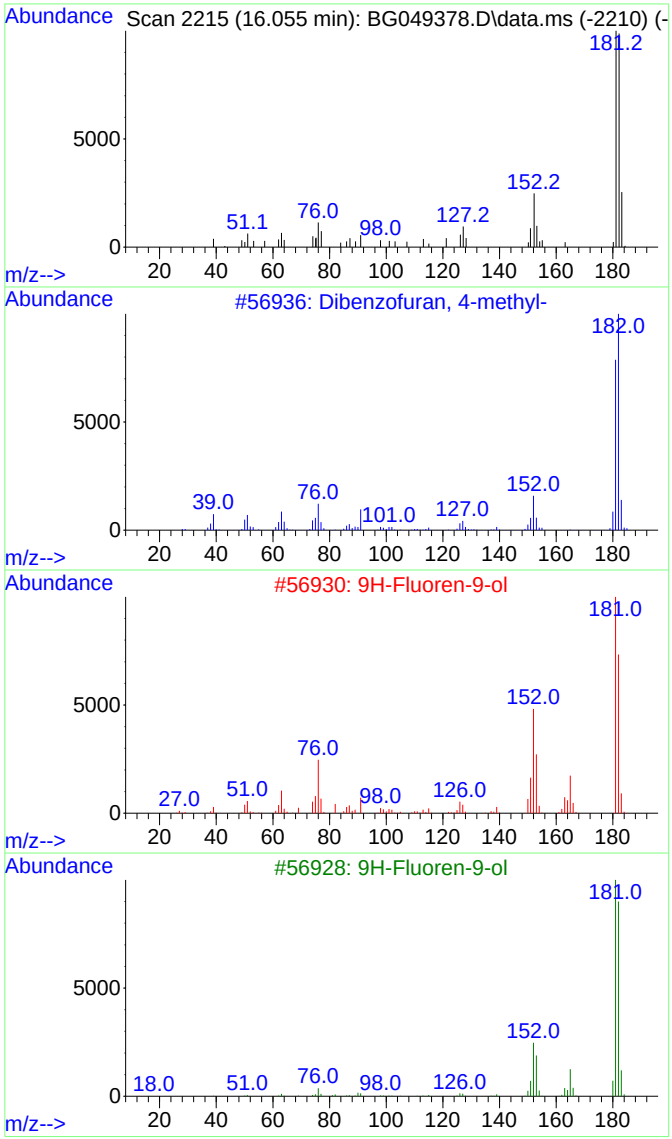
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

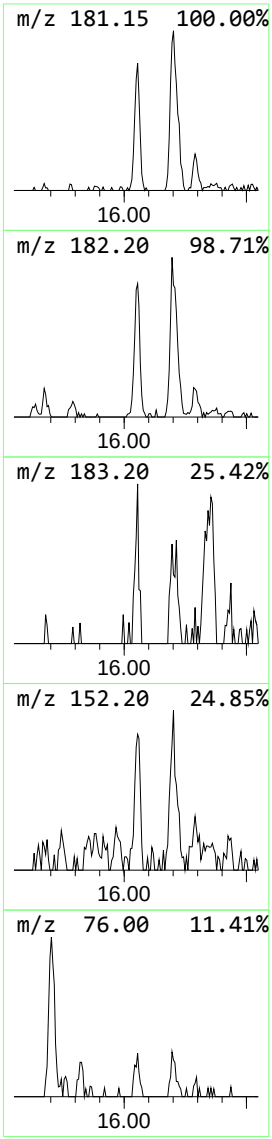
**********

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.050 | 2.62 ng/ul | 49351 | Acenaphthene-d10 | 14.709 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 80 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 80 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 72 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 64 |
| 5 | Pyrido[2,3-b]indole, 6-methyl- | 182 | C12H10N2 | 108349-67-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

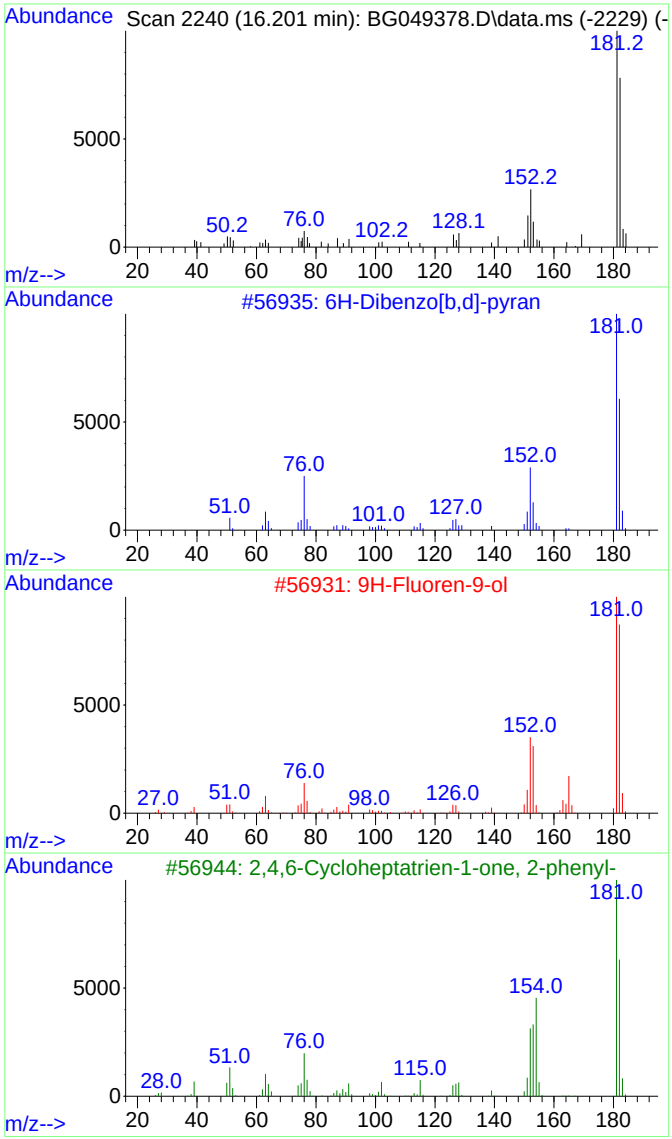
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

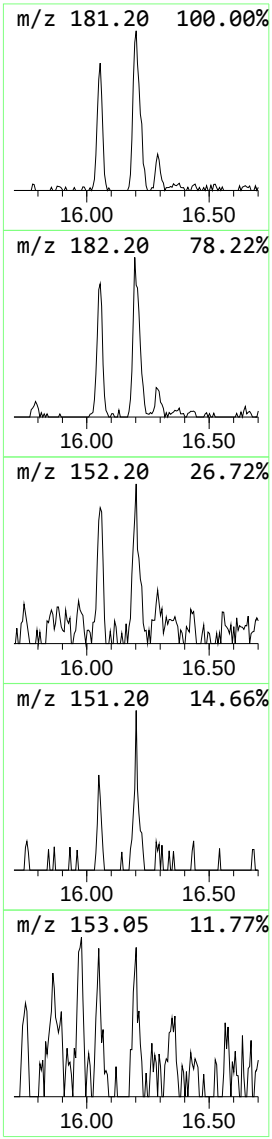
**********

Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.200 | 3.37 ng/ul | 80261 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6H-Dibenzo[b,d]-pyran | 182 | C13H10O | 000229-95-8 | 90 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 3 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 80 |
| 4 | 9H-Xanthene | 182 | C13H10O | 000092-83-1 | 72 |
| 5 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
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Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

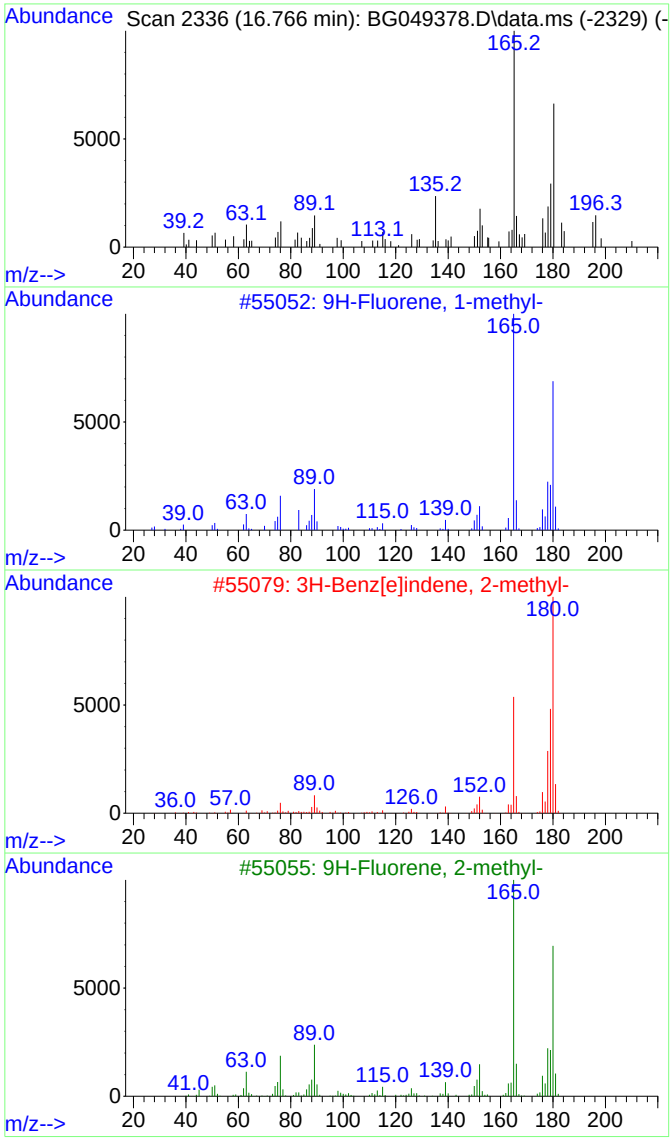
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

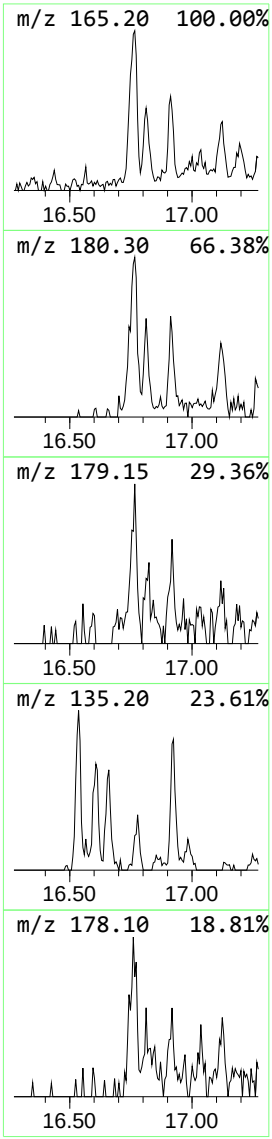
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.770 | 2.90 ng/ul | 69189 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 92 |
| 2 | 3H-Benz[e]indene, 2-methyl- | 180 | C14H12 | 150096-60-9 | 83 |
| 3 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 64 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 64 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

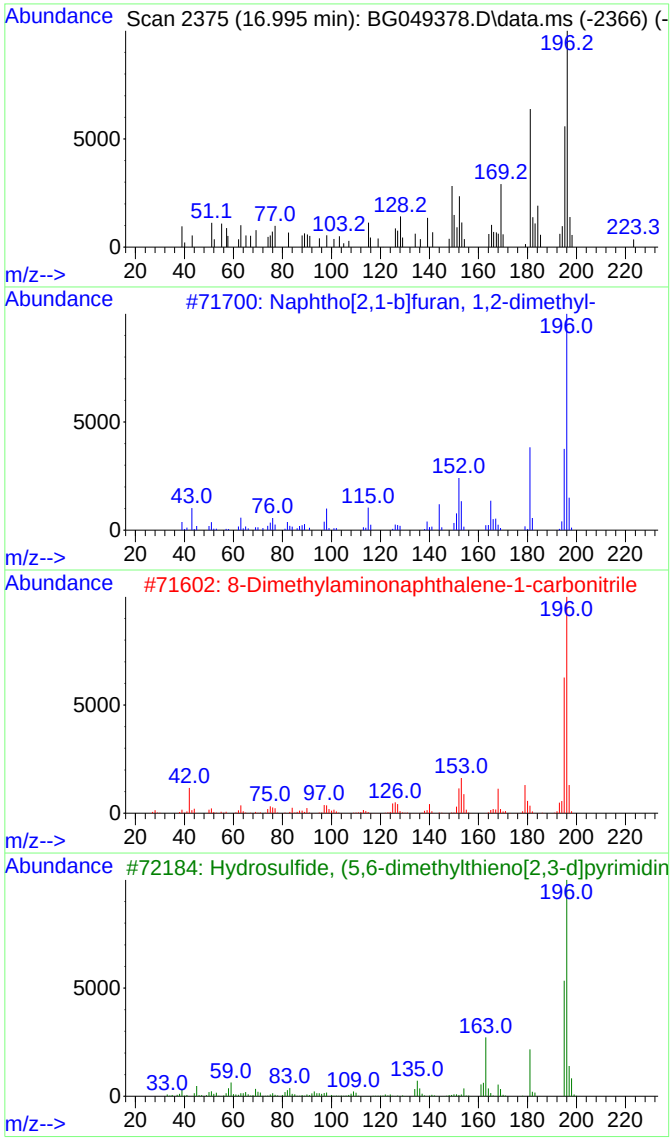
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

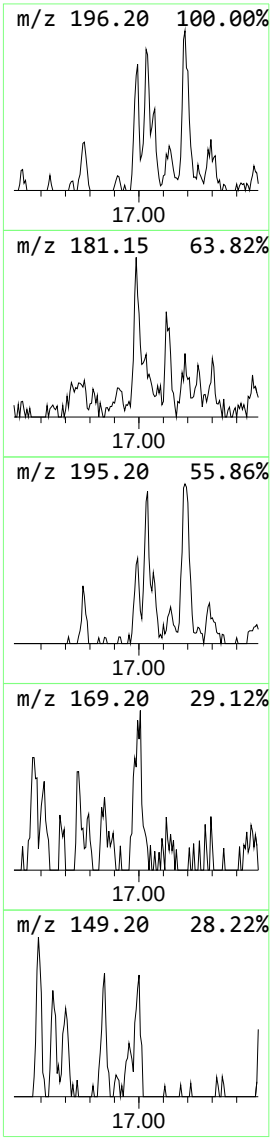
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.990 | 2.27 ng/ul | 54147 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]furan, 1,2-dimethyl- | 196 | C14H12O | 129812-23-3 | 53 |
| 2 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 49 |
| 3 | Hydrosulfide, (5,6-dimethylthien... | 196 | C8H8N2S2 | 1000362-41-8 | 46 |
| 4 | 9H-Fluorene, 2-methoxy- | 196 | C14H12O | 002523-46-8 | 46 |
| 5 | Dibenz[c,e]oxepin, 5,7-dihydro- | 196 | C14H12O | 001136-22-7 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

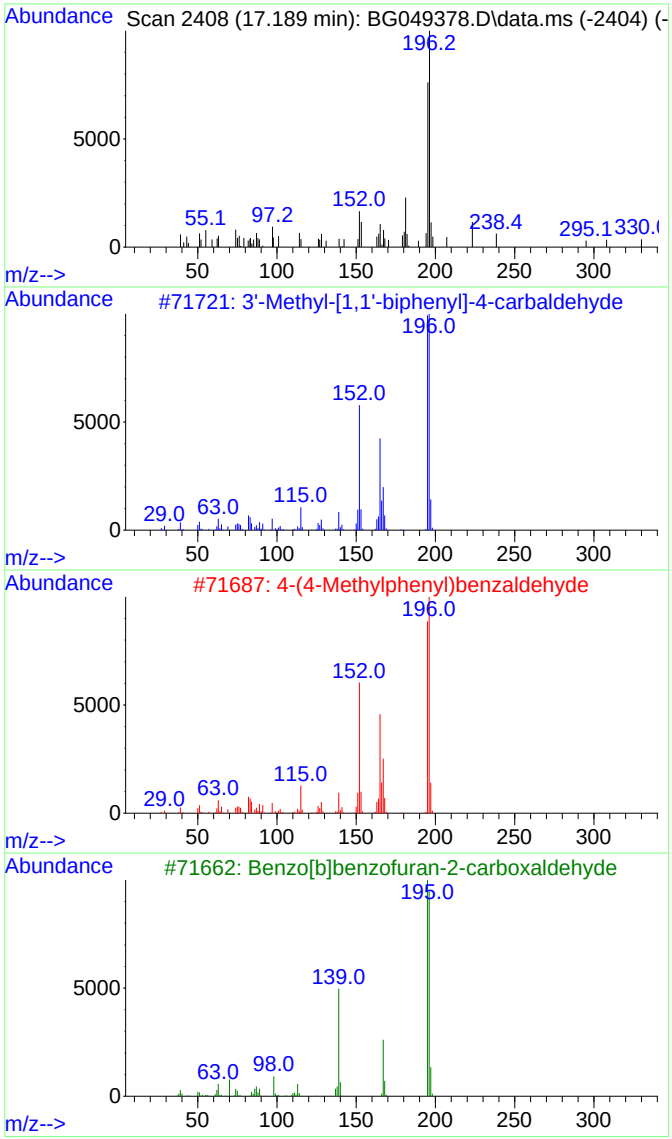
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

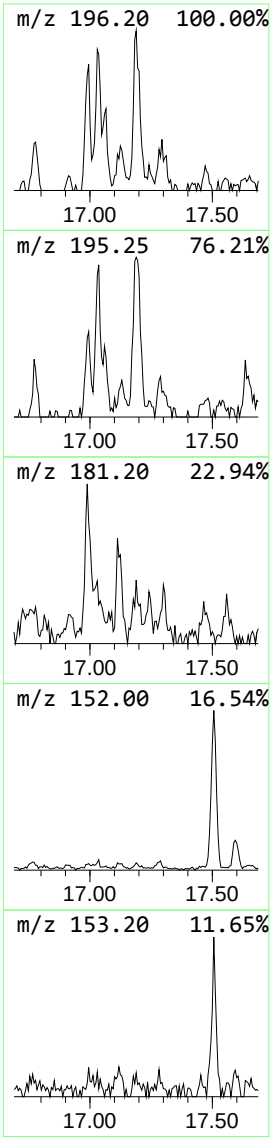
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.190 | 2.22 ng/ul | 52870 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 68 |
| 2 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 64 |
| 3 | Benzo[b]benzofuran-2-carboxaldehyde | 196 | C13H8O2 | 1000351-56-0 | 53 |
| 4 | Benzenamine, 4-[(E)-2-(4-pyridin... | 196 | C13H12N2 | 1000351-61-4 | 53 |
| 5 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

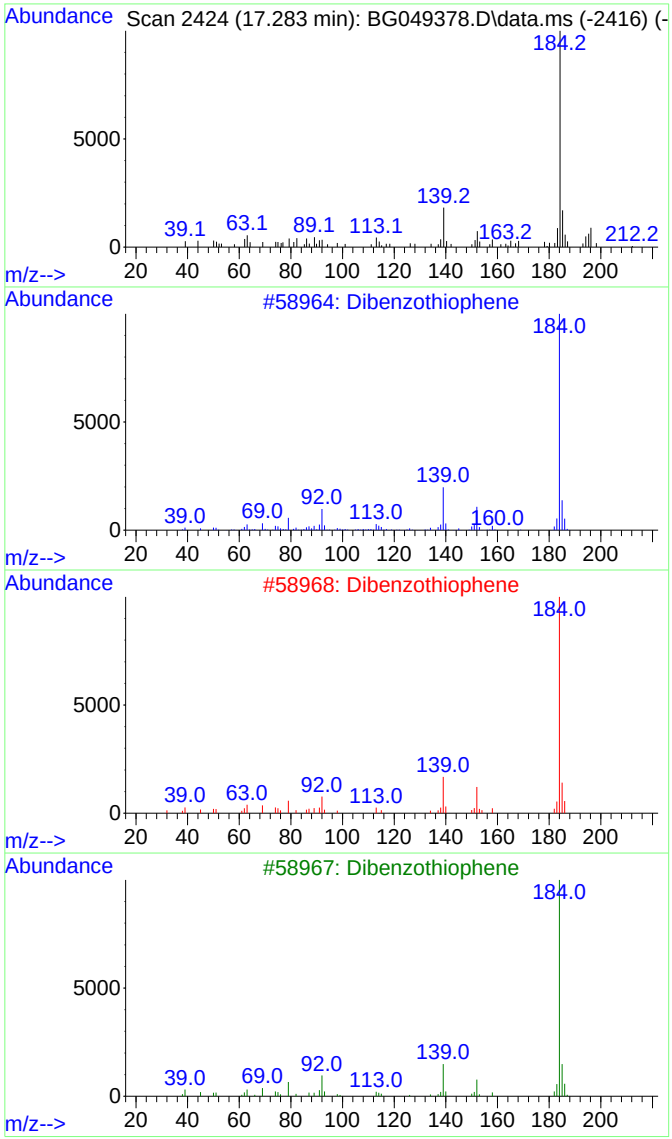
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

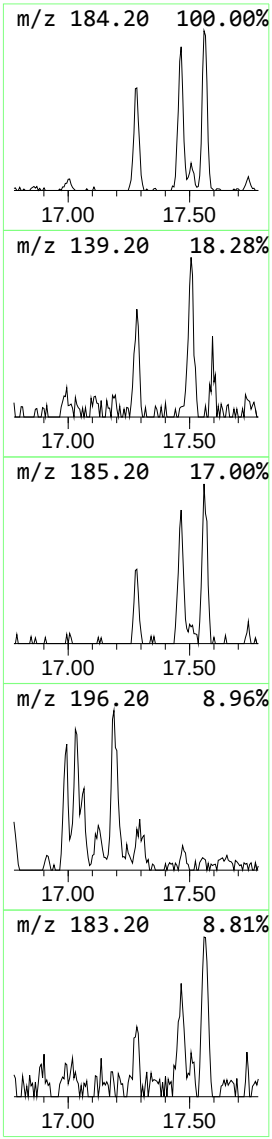
**********

Peak Number 8 Dibenzothiophene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.280 | 3.21 ng/ul | 76624 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 83 |



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Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

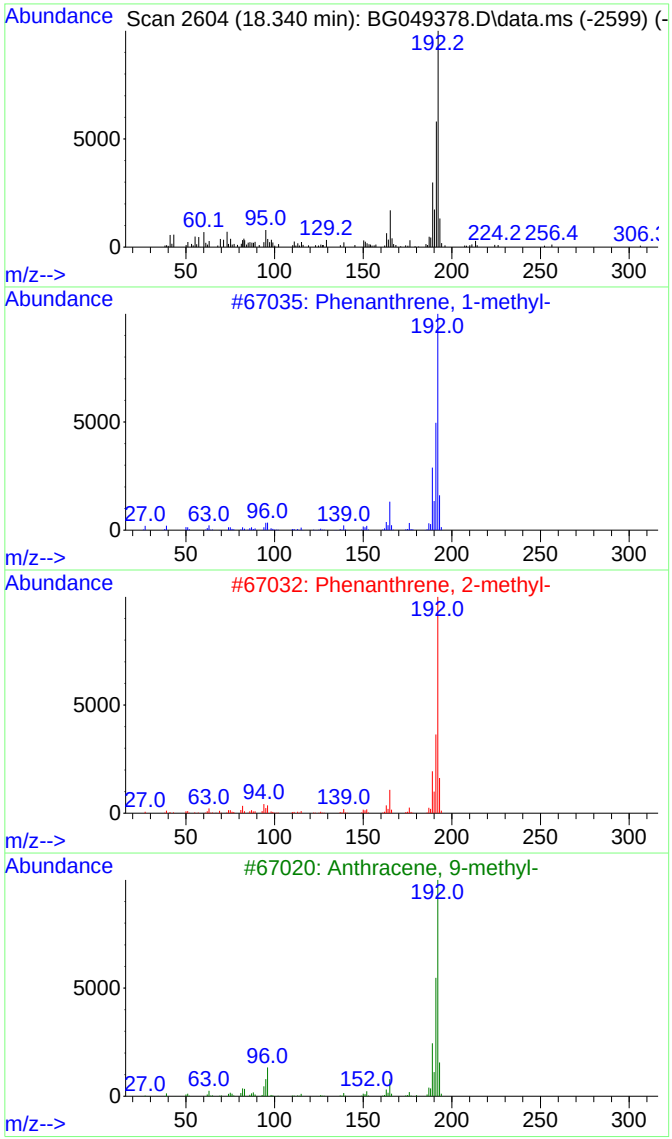
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

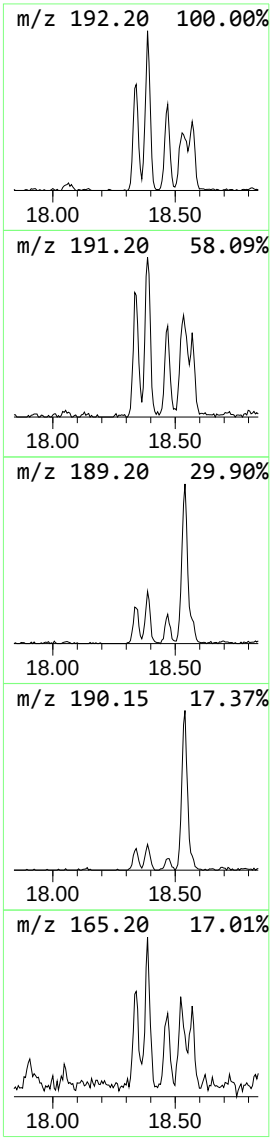
**********

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.340 | 6.33 ng/ul | 150883 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

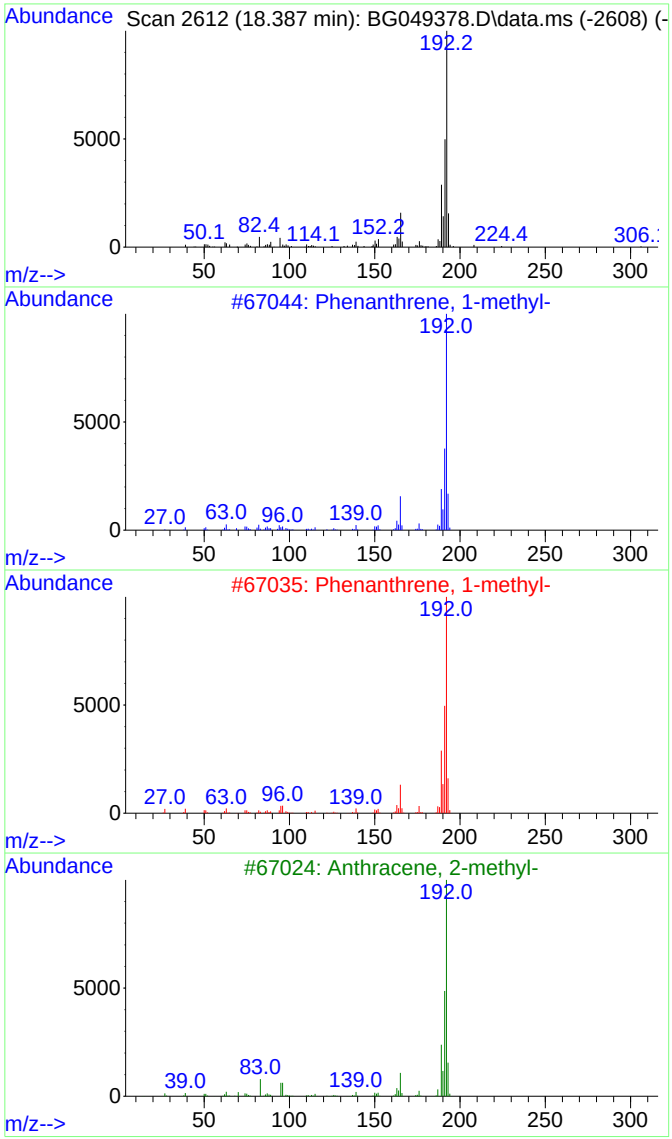
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

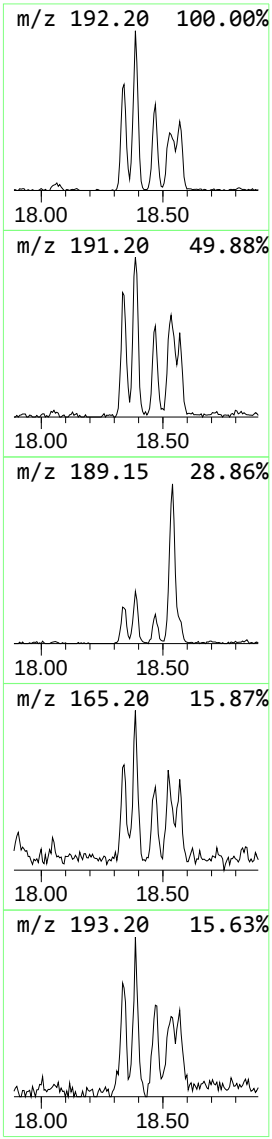
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.390 | 6.81 ng/ul | 162376 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

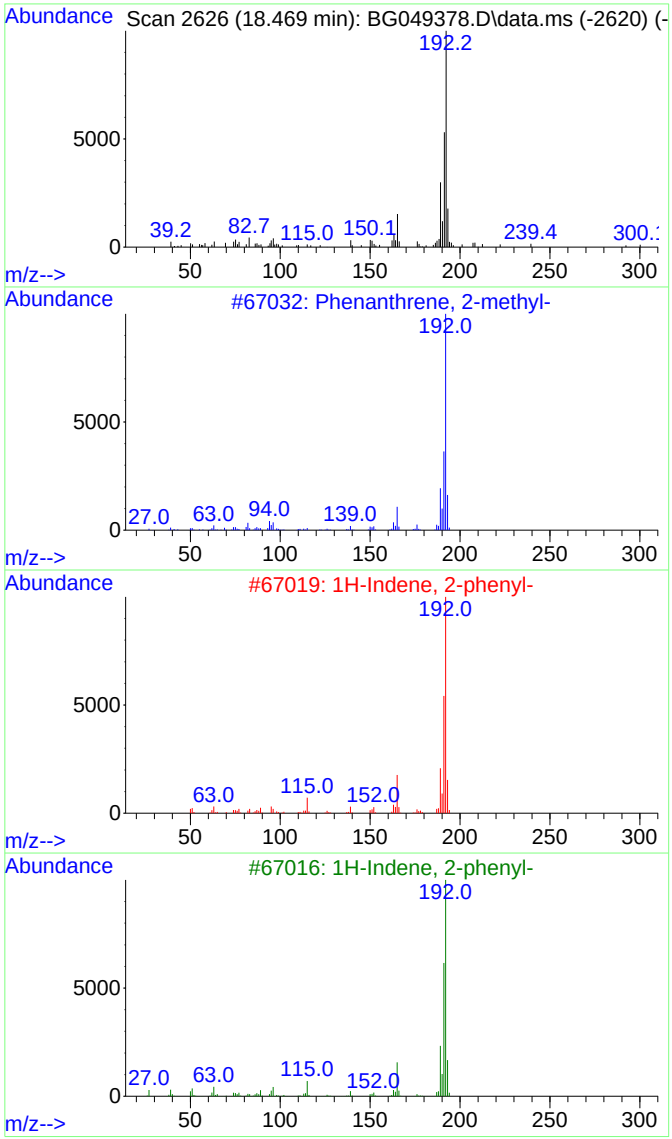
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

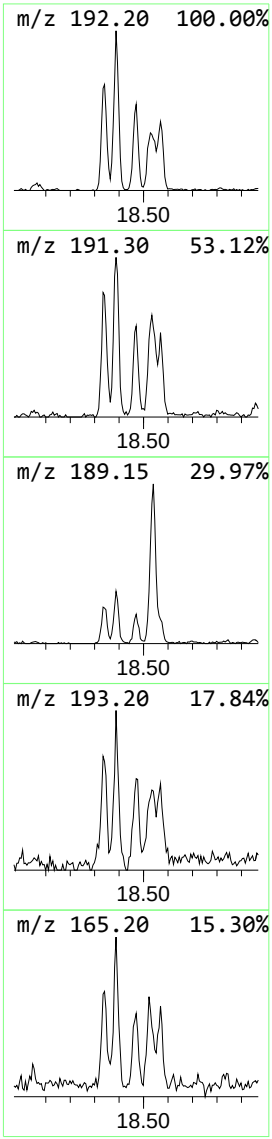
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.470 | 4.17 ng/ul | 99398 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

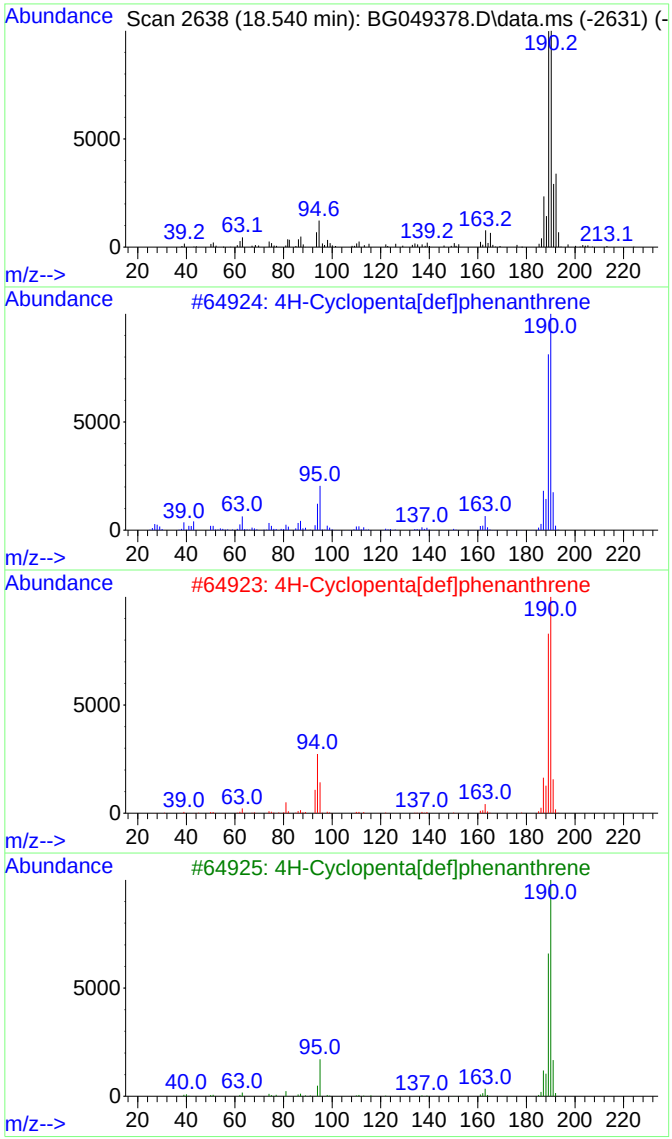
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

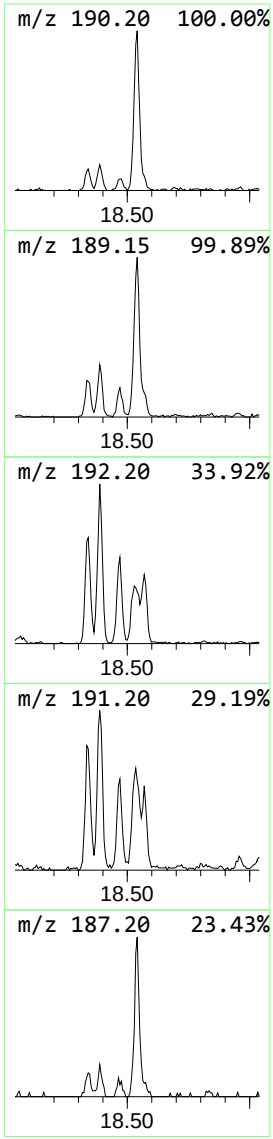
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.540 | 9.79 ng/ul | 233328 | Phenanthrene-d10 | 17.465 |

| 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 | 83 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 59 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |
| 5 | 2,4(1H,3H)-Pyrimidinedione, 5-br... | 190 | C4H3BrN2O2 | 000051-20-7 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BGEC6

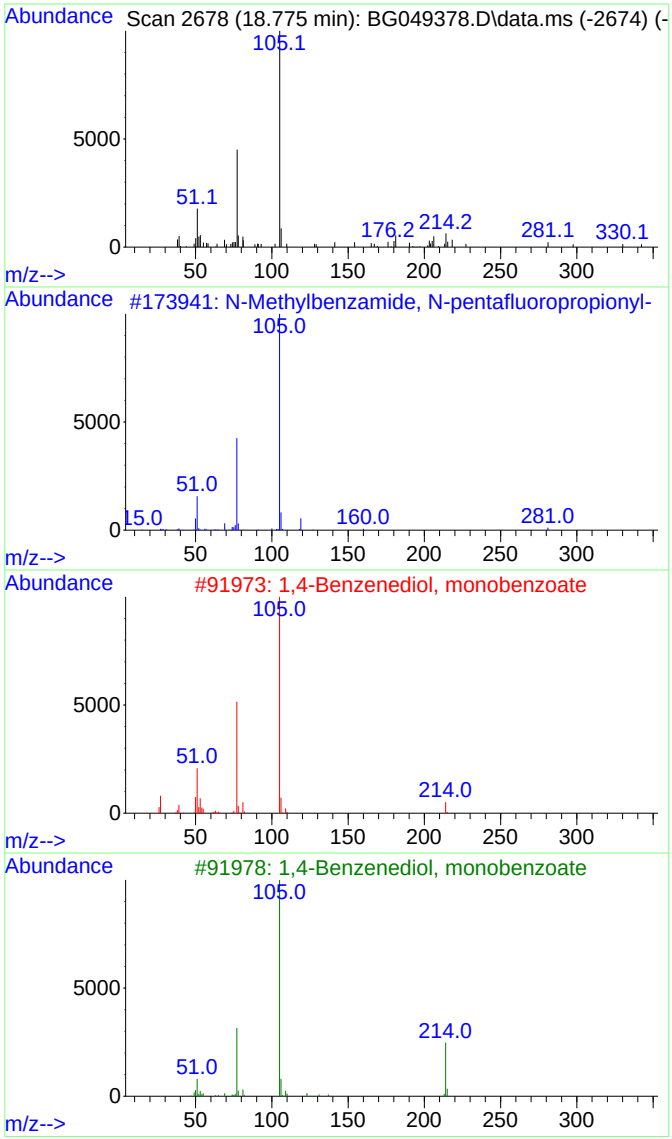
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

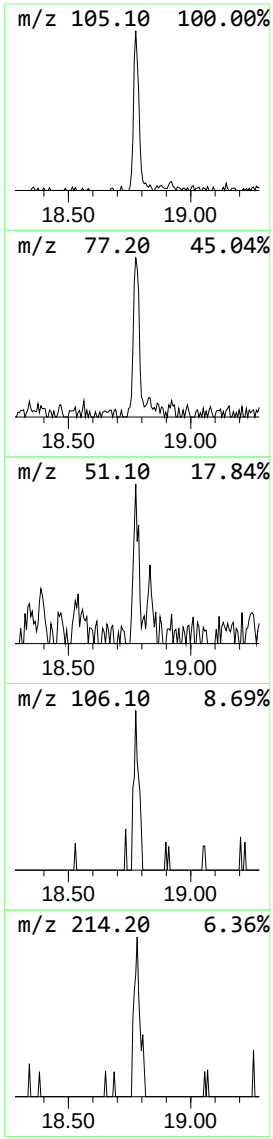
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 N-Methylbenzamide, N-pentaf... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.780 | 2.32 ng/ul | 55422 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-Methylbenzamide, N-pentafluoro... | 281 | C11H8F5NO2 | 1000446-98-1 | 58 |
| 2 | 1,4-Benzenediol, monobenzoate | 214 | C13H10O3 | 002444-19-1 | 58 |
| 3 | 1,4-Benzenediol, monobenzoate | 214 | C13H10O3 | 002444-19-1 | 58 |
| 4 | S-Phenyl benzothioate | 214 | C13H10OS | 000884-09-3 | 53 |
| 5 | 1,3-Benzenediol, monobenzoate | 214 | C13H10O3 | 000136-36-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

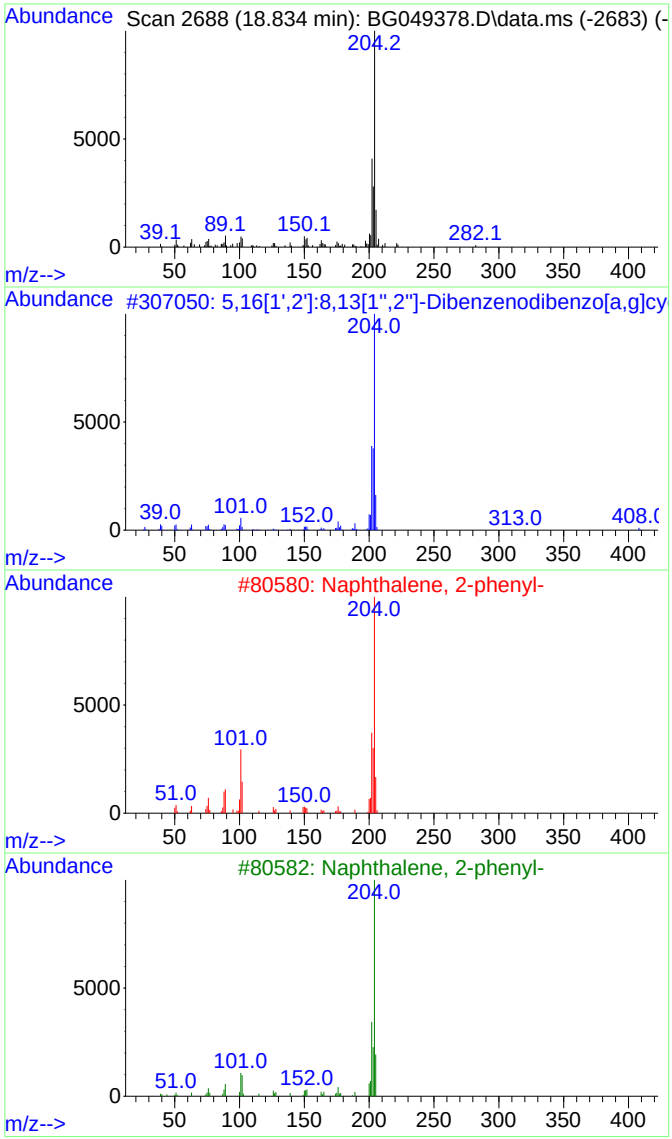
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

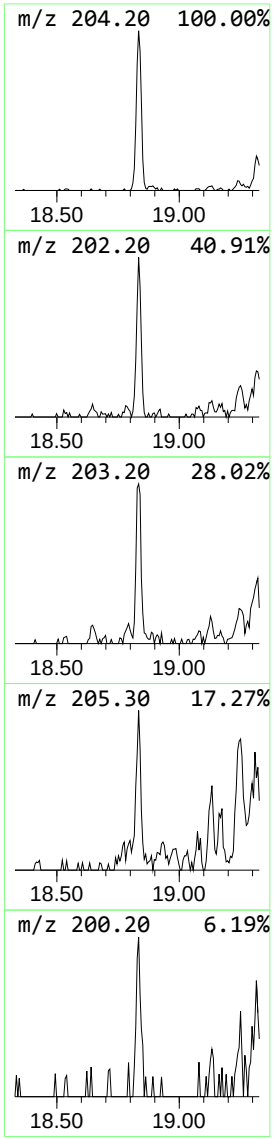
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.830 | 4.06 ng/ul | 96722 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 64 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 62 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 60 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 58 |
| 5 | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

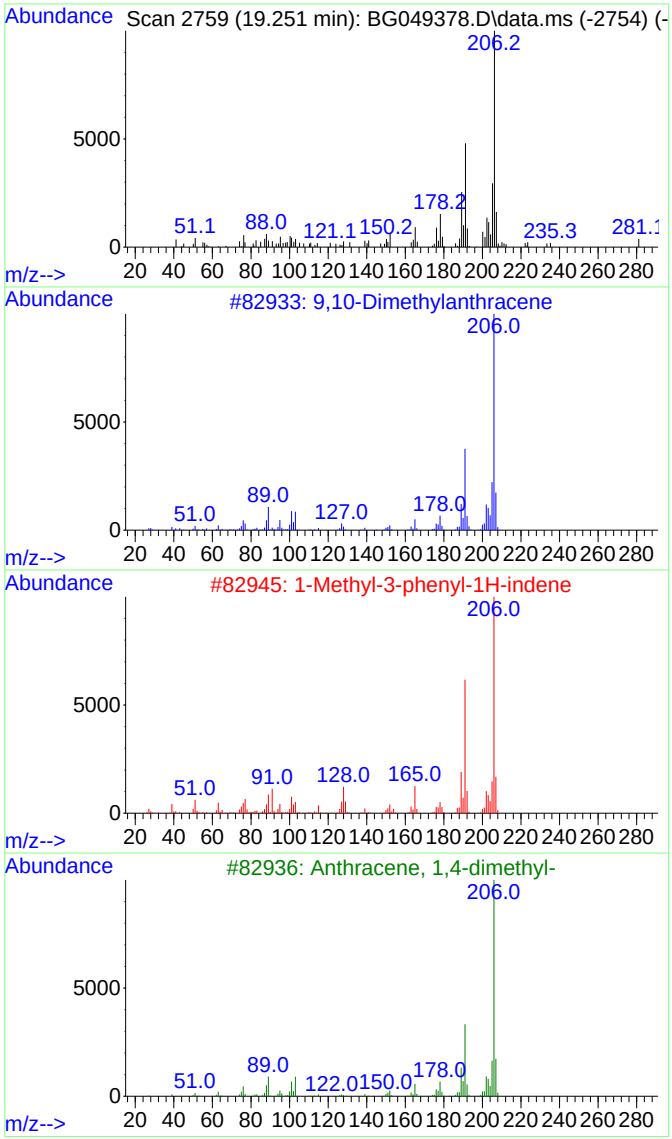
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

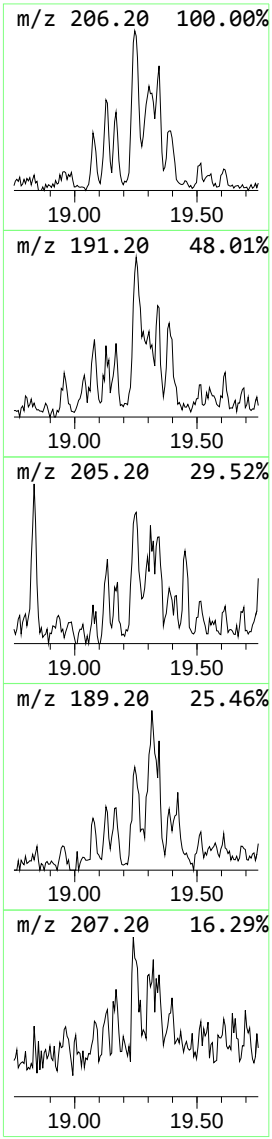
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.250 | 3.87 ng/ul | 92318 | Phenanthrene-d10 | 17.465 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 2 | 1-Methyl-3-phenyl-1H-indene | 206 | C16H14 | 022360-62-9 | 90 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |
| 4 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 90 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

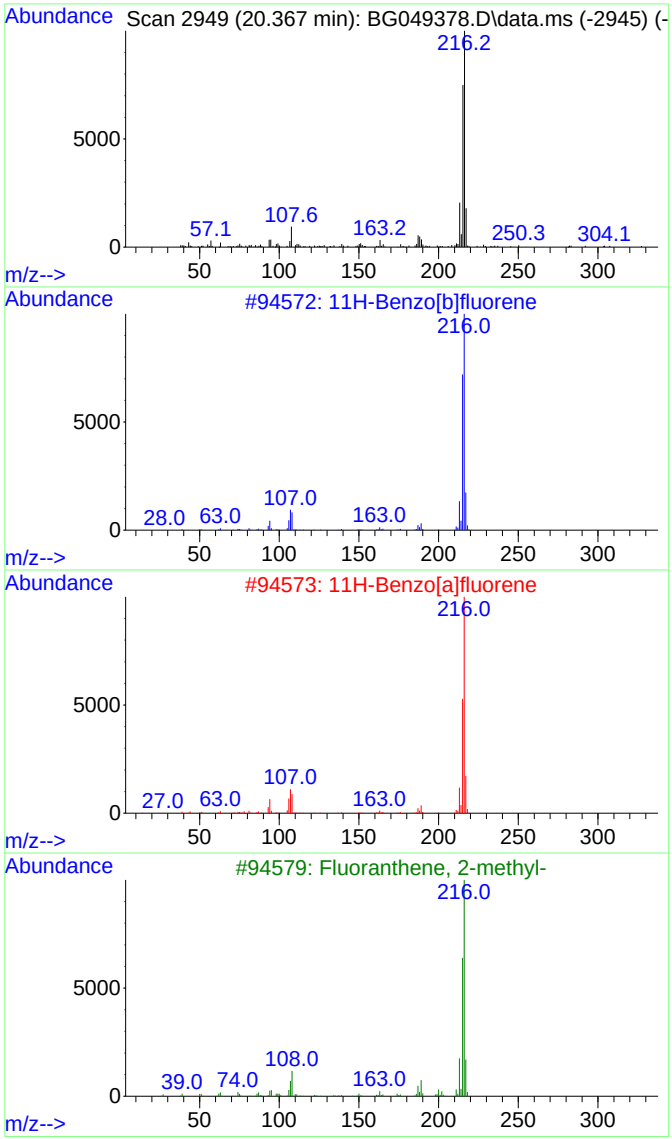
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

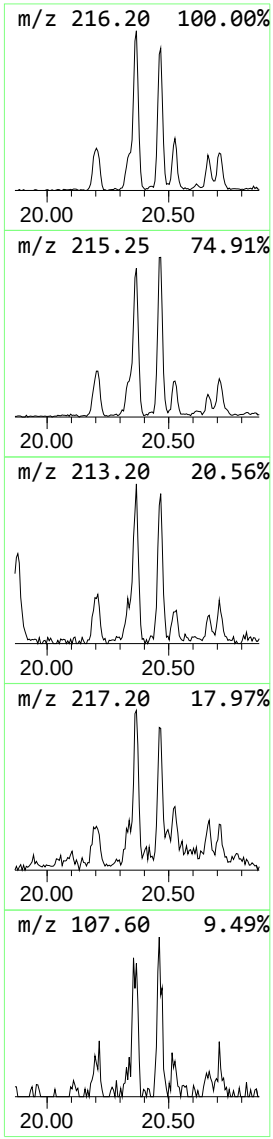
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.370 | 4.07 ng/ul | 221175 | Chrysene-d12 | 21.748 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 80 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

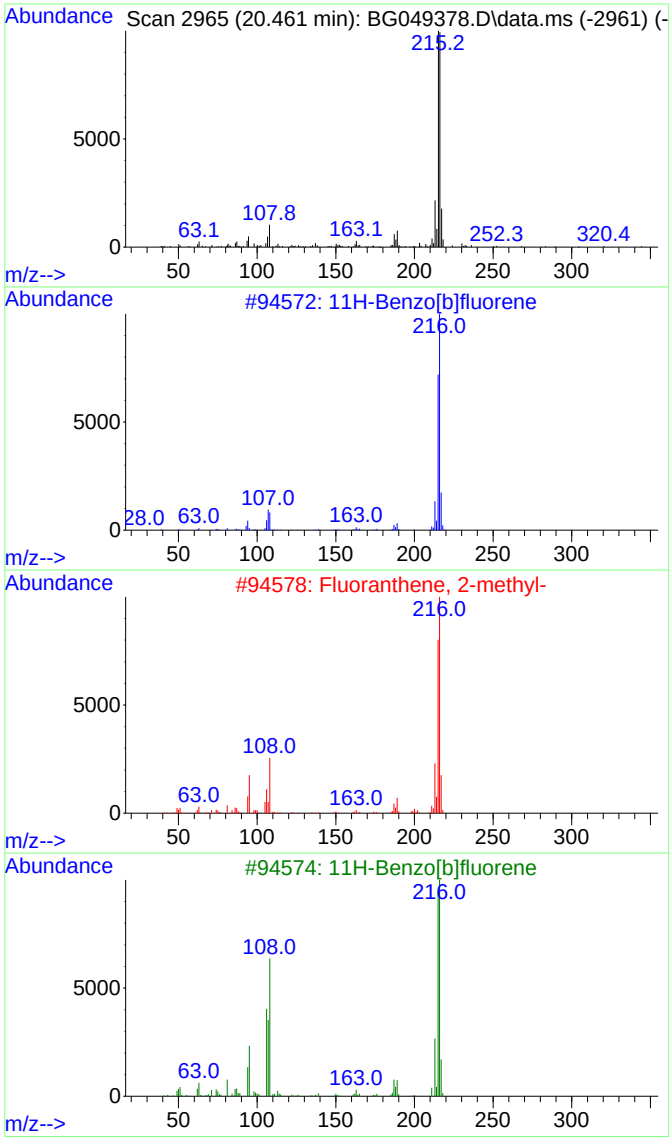
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

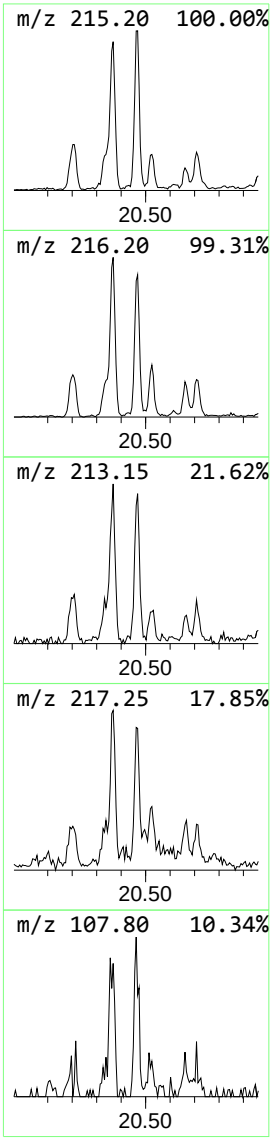
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.460 | 3.58 ng/ul | 194398 | Chrysene-d12 | 21.748 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

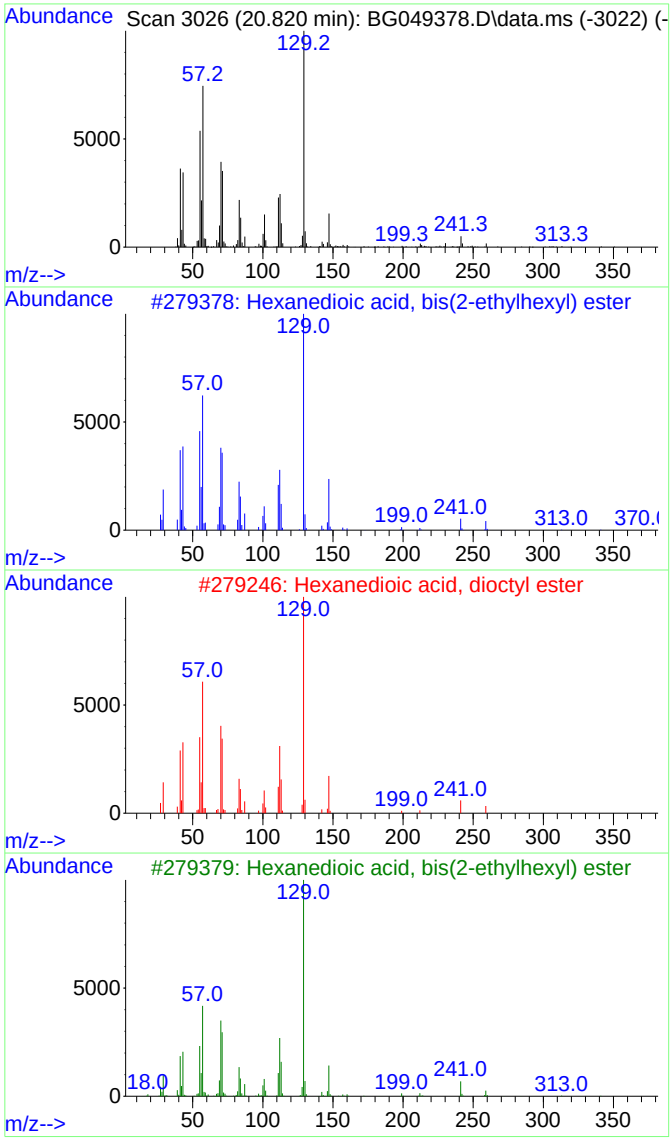
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

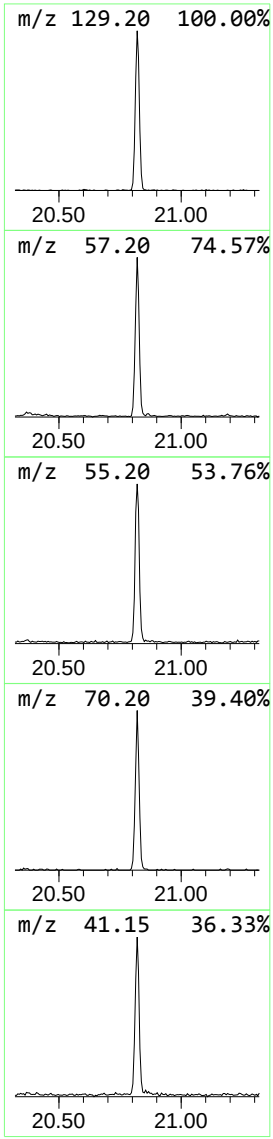
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Hexanedioic acid, bis(2-eth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.820 | 10.44 ng/ul | 566988 | Chrysene-d12 | 21.748 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 90 |
| 2 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 83 |
| 3 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 80 |
| 4 | Diisooctyl adipate | 370 | C22H42O4 | 001330-86-5 | 74 |
| 5 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071621\
Data File : BG049378.D
Acq On : 16 Jul 2021 14:43
Operator : CG/JU
Sample : M2970-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BGEC6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG070921.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 3.180 | 32.6 | ng/ul | 303710 | 1 | 8.064 | 186487 | 20.0 |
| Dibenzofuran, 4... | 16.050 | 2.6 | ng/ul | 49351 | 3 | 14.709 | 376888 | 20.0 |
| 6H-Dibenzo[b,d]... | 16.200 | 3.4 | ng/ul | 80261 | 4 | 17.465 | 476854 | 20.0 |
| 9H-Fluorene, 1-... | 16.770 | 2.9 | ng/ul | 69189 | 4 | 17.465 | 476854 | 20.0 |
| Naphtho[2,1-b]f... | 16.990 | 2.3 | ng/ul | 54147 | 4 | 17.465 | 476854 | 20.0 |
| 3'-Methyl-[1,1'... | 17.190 | 2.2 | ng/ul | 52870 | 4 | 17.465 | 476854 | 20.0 |
| Dibenzothiophene | 17.280 | 3.2 | ng/ul | 76624 | 4 | 17.465 | 476854 | 20.0 |
| Anthracene, 9-m... | 18.340 | 6.3 | ng/ul | 150883 | 4 | 17.465 | 476854 | 20.0 |
| Phenanthrene, 1... | 18.390 | 6.8 | ng/ul | 162376 | 4 | 17.465 | 476854 | 20.0 |
| Phenanthrene, 2... | 18.470 | 4.2 | ng/ul | 99398 | 4 | 17.465 | 476854 | 20.0 |
| 4H-Cyclopenta[d... | 18.540 | 9.8 | ng/ul | 233328 | 4 | 17.465 | 476854 | 20.0 |
| N-Methylbenzami... | 18.780 | 2.3 | ng/ul | 55422 | 4 | 17.465 | 476854 | 20.0 |
| 5,16[1',2']:8,1... | 18.830 | 4.1 | ng/ul | 96722 | 4 | 17.465 | 476854 | 20.0 |
| 9,10-Dimethylan... | 19.250 | 3.9 | ng/ul | 92318 | 4 | 17.465 | 476854 | 20.0 |
| 11H-Benzo[b]flu... | 20.370 | 4.1 | ng/ul | 221175 | 5 | 21.748 | 1085860 | 20.0 |
| Fluoranthene, 2... | 20.460 | 3.6 | ng/ul | 194398 | 5 | 21.748 | 1085860 | 20.0 |
| Hexanedioic aci... | 20.820 | 10.4 | ng/ul | 566988 | 5 | 21.748 | 1085860 | 20.0 |