LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.149 | 134 | 138 | 145 | rVB2 | 32351 | 48549 | 0.94% | 0.094% |
| 2 | 7.404 | 682 | 692 | 702 | rVB2 | 133481 | 258423 | 5.01% | 0.501% |
| 3 | 7.580 | 714 | 722 | 731 | rBV2 | 72934 | 128438 | 2.49% | 0.249% |
| 4 | 7.798 | 752 | 759 | 766 | rBV3 | 120692 | 214238 | 4.15% | 0.416% |
| 5 | 8.274 | 831 | 840 | 847 | rBV | 202390 | 343458 | 6.66% | 0.666% |
| 6 | 8.961 | 950 | 957 | 966 | rBV2 | 142466 | 253044 | 4.91% | 0.491% |
| 7 | 9.437 | 1032 | 1038 | 1046 | rVB | 115208 | 212797 | 4.13% | 0.413% |
| 8 | 10.172 | 1154 | 1163 | 1171 | rVB3 | 101822 | 194484 | 3.77% | 0.377% |
| 9 | 10.706 | 1244 | 1254 | 1262 | rVB | 168523 | 309758 | 6.00% | 0.601% |
| 10 | 11.100 | 1313 | 1321 | 1329 | rBV | 238721 | 439869 | 8.53% | 0.853% |
| 11 | 11.223 | 1335 | 1342 | 1349 | rVB2 | 93738 | 179458 | 3.48% | 0.348% |
| 12 | 14.278 | 1855 | 1862 | 1867 | rVV | 293244 | 445564 | 8.64% | 0.864% |
| 13 | 14.325 | 1867 | 1870 | 1878 | rVB | 41757 | 58420 | 1.13% | 0.113% |
| 14 | 14.584 | 1906 | 1914 | 1921 | rBV | 290293 | 477128 | 9.25% | 0.926% |
| 15 | 14.884 | 1958 | 1965 | 1971 | rVV | 353165 | 592092 | 11.48% | 1.149% |
| 16 | 14.948 | 1971 | 1976 | 1982 | rVB2 | 40854 | 64389 | 1.25% | 0.125% |
| 17 | 15.042 | 1987 | 1992 | 1999 | rVB2 | 131234 | 205274 | 3.98% | 0.398% |
| 18 | 15.277 | 2026 | 2032 | 2037 | rBV | 30140 | 51005 | 0.99% | 0.099% |
| 19 | 15.871 | 2125 | 2133 | 2138 | rBV2 | 375499 | 589001 | 11.42% | 1.143% |
| 20 | 15.924 | 2138 | 2142 | 2146 | rVV2 | 56188 | 91303 | 1.77% | 0.177% |
| 21 | 15.971 | 2146 | 2150 | 2157 | rVV3 | 51224 | 84193 | 1.63% | 0.163% |
| 22 | 16.217 | 2188 | 2192 | 2197 | rVB2 | 22244 | 32157 | 0.62% | 0.062% |
| 23 | 16.358 | 2211 | 2216 | 2225 | rVB3 | 22344 | 50071 | 0.97% | 0.097% |
| 24 | 16.922 | 2308 | 2312 | 2316 | rVV3 | 18109 | 30548 | 0.59% | 0.059% |
| 25 | 17.152 | 2343 | 2351 | 2354 | rBV8 | 17215 | 39082 | 0.76% | 0.076% |
| 26 | 17.269 | 2367 | 2371 | 2378 | rVB2 | 42579 | 75282 | 1.46% | 0.146% |
| 27 | 17.351 | 2378 | 2385 | 2387 | rBV4 | 19007 | 38127 | 0.74% | 0.074% |
| 28 | 17.439 | 2395 | 2400 | 2406 | rVB | 67309 | 103626 | 2.01% | 0.201% |
| 29 | 17.622 | 2423 | 2431 | 2434 | rBV | 435380 | 690509 | 13.39% | 1.340% |
| 30 | 17.663 | 2434 | 2438 | 2443 | rVV | 1299714 | 1967773 | 38.15% | 3.818% |
| 31 | 17.721 | 2443 | 2448 | 2451 | rVV | 397144 | 625343 | 12.12% | 1.213% |
| 32 | 17.751 | 2451 | 2453 | 2459 | rVV | 210559 | 294635 | 5.71% | 0.572% |
| 33 | 17.810 | 2459 | 2463 | 2468 | rVV2 | 30273 | 49194 | 0.95% | 0.095% |
| 34 | 18.015 | 2491 | 2498 | 2502 | rBV2 | 128919 | 225981 | 4.38% | 0.438% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 18.133 | 2514 | 2518 | 2525 | rBV4 | 29225 | 45887 | 0.89% | 0.089% |
| 36 | 18.197 | 2525 | 2529 | 2537 | rVB4 | 30074 | 50494 | 0.98% | 0.098% |
| 37 | 18.338 | 2549 | 2553 | 2560 | rVB3 | 22894 | 49713 | 0.96% | 0.096% |
| 38 | 18.491 | 2574 | 2579 | 2583 | rBV | 150445 | 226936 | 4.40% | 0.440% |
| 39 | 18.538 | 2583 | 2587 | 2594 | rVB | 207697 | 321396 | 6.23% | 0.624% |
| 40 | 18.615 | 2594 | 2600 | 2605 | rBV2 | 56537 | 99305 | 1.93% | 0.193% |
| 41 | 18.685 | 2605 | 2612 | 2616 | rBV2 | 256092 | 494356 | 9.58% | 0.959% |
| 42 | 18.785 | 2624 | 2629 | 2632 | rBV7 | 16655 | 29724 | 0.58% | 0.058% |
| 43 | 18.826 | 2632 | 2636 | 2640 | rVV3 | 22853 | 42970 | 0.83% | 0.083% |
| 44 | 18.879 | 2641 | 2645 | 2648 | rVV6 | 21383 | 38302 | 0.74% | 0.074% |
| 45 | 18.979 | 2656 | 2662 | 2665 | rBV | 171098 | 259689 | 5.03% | 0.504% |
| 46 | 19.020 | 2665 | 2669 | 2675 | rVB | 310936 | 450729 | 8.74% | 0.874% |
| 47 | 19.220 | 2700 | 2703 | 2707 | rVB2 | 38145 | 44667 | 0.87% | 0.087% |
| 48 | 19.273 | 2708 | 2712 | 2715 | rVV | 37112 | 48039 | 0.93% | 0.093% |
| 49 | 19.308 | 2715 | 2718 | 2722 | rVB2 | 32709 | 38639 | 0.75% | 0.075% |
| 50 | 19.390 | 2727 | 2732 | 2738 | rBV3 | 107083 | 197686 | 3.83% | 0.384% |
| 51 | 19.455 | 2738 | 2743 | 2746 | rBV7 | 32480 | 60668 | 1.18% | 0.118% |
| 52 | 19.531 | 2751 | 2756 | 2763 | rBV2 | 133656 | 224815 | 4.36% | 0.436% |
| 53 | 19.660 | 2771 | 2778 | 2783 | rVB | 3478250 | 5158448 | 100.00% | 10.008% |
| 54 | 19.713 | 2783 | 2787 | 2790 | rBV | 38831 | 53617 | 1.04% | 0.104% |
| 55 | 19.749 | 2790 | 2793 | 2797 | rVB2 | 68212 | 80804 | 1.57% | 0.157% |
| 56 | 19.843 | 2804 | 2809 | 2813 | rBV6 | 61865 | 102541 | 1.99% | 0.199% |
| 57 | 19.895 | 2814 | 2818 | 2822 | rVB | 108231 | 147501 | 2.86% | 0.286% |
| 58 | 19.984 | 2827 | 2833 | 2835 | rBV3 | 964535 | 1448719 | 28.08% | 2.811% |
| 59 | 20.019 | 2835 | 2839 | 2845 | rVV | 2626815 | 4030415 | 78.13% | 7.820% |
| 60 | 20.078 | 2845 | 2849 | 2854 | rVB2 | 140762 | 203708 | 3.95% | 0.395% |
| 61 | 20.189 | 2863 | 2868 | 2872 | rVB | 168312 | 245719 | 4.76% | 0.477% |
| 62 | 20.248 | 2873 | 2878 | 2884 | rVB2 | 76205 | 132370 | 2.57% | 0.257% |
| 63 | 20.336 | 2885 | 2893 | 2898 | rBV2 | 165169 | 447557 | 8.68% | 0.868% |
| 64 | 20.377 | 2898 | 2900 | 2904 | rVB | 40299 | 47946 | 0.93% | 0.093% |
| 65 | 20.495 | 2909 | 2920 | 2925 | rVB | 397468 | 817289 | 15.84% | 1.586% |
| 66 | 20.595 | 2932 | 2937 | 2941 | rBV | 272699 | 389332 | 7.55% | 0.755% |
| 67 | 20.653 | 2941 | 2947 | 2951 | rVV2 | 198132 | 420118 | 8.14% | 0.815% |
| 68 | 20.694 | 2951 | 2954 | 2957 | rVV | 137816 | 176050 | 3.41% | 0.342% |
| 69 | 20.736 | 2957 | 2961 | 2966 | rVB2 | 57732 | 92378 | 1.79% | 0.179% |
| 70 | 20.794 | 2967 | 2971 | 2975 | rBV | 114556 | 161693 | 3.13% | 0.314% |
| 71 | 20.841 | 2975 | 2979 | 2983 | rVB3 | 98220 | 143876 | 2.79% | 0.279% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 21.094 | 3020 | 3022 | 3025 | rBV3 | 34742 | 40196 | 0.78% | 0.078% |
| 73 | 21.229 | 3041 | 3045 | 3047 | rBV5 | 47826 | 69220 | 1.34% | 0.134% |
| 74 | 21.270 | 3048 | 3052 | 3060 | rVB | 285119 | 464762 | 9.01% | 0.902% |
| 75 | 21.470 | 3077 | 3086 | 3090 | rBV3 | 370995 | 806678 | 15.64% | 1.565% |
| 76 | 21.511 | 3090 | 3093 | 3098 | rVV2 | 320861 | 503551 | 9.76% | 0.977% |
| 77 | 21.564 | 3098 | 3102 | 3107 | rVV2 | 275670 | 536142 | 10.39% | 1.040% |
| 78 | 21.623 | 3107 | 3112 | 3124 | rVB2 | 316180 | 592549 | 11.49% | 1.150% |
| 79 | 21.764 | 3128 | 3136 | 3143 | rBV2 | 114761 | 282203 | 5.47% | 0.548% |
| 80 | 21.893 | 3147 | 3158 | 3165 | rBV2 | 1539703 | 3780290 | 73.28% | 7.334% |
| 81 | 21.964 | 3165 | 3170 | 3181 | rVB | 1509249 | 2761876 | 53.54% | 5.358% |
| 82 | 22.058 | 3184 | 3186 | 3191 | rVB5 | 39107 | 52704 | 1.02% | 0.102% |
| 83 | 22.116 | 3191 | 3196 | 3202 | rBV | 241492 | 447235 | 8.67% | 0.868% |
| 84 | 22.251 | 3216 | 3219 | 3225 | rVB3 | 104539 | 189737 | 3.68% | 0.368% |
| 85 | 22.328 | 3226 | 3232 | 3240 | rBV | 200157 | 415224 | 8.05% | 0.806% |
| 86 | 22.592 | 3273 | 3277 | 3281 | rBV2 | 50992 | 86384 | 1.67% | 0.168% |
| 87 | 22.674 | 3283 | 3291 | 3297 | rVV | 180527 | 430739 | 8.35% | 0.836% |
| 88 | 22.757 | 3299 | 3305 | 3311 | rVB3 | 189476 | 390588 | 7.57% | 0.758% |
| 89 | 22.962 | 3336 | 3340 | 3344 | rBV3 | 92358 | 167797 | 3.25% | 0.326% |
| 90 | 23.109 | 3359 | 3365 | 3373 | rBV5 | 86221 | 204498 | 3.96% | 0.397% |
| 91 | 23.368 | 3406 | 3409 | 3417 | rVB3 | 66380 | 124762 | 2.42% | 0.242% |
| 92 | 24.249 | 3547 | 3559 | 3566 | rBV | 1055518 | 3828750 | 74.22% | 7.428% |
| 93 | 24.508 | 3596 | 3603 | 3611 | rVB | 145748 | 352094 | 6.83% | 0.683% |
| 94 | 25.013 | 3680 | 3689 | 3697 | rBV2 | 564326 | 1636198 | 31.72% | 3.174% |
| 95 | 25.095 | 3698 | 3703 | 3707 | rVV | 172917 | 413289 | 8.01% | 0.802% |
| 96 | 25.172 | 3708 | 3716 | 3727 | rVB2 | 747005 | 2233687 | 43.30% | 4.334% |
| 97 | 25.324 | 3733 | 3742 | 3749 | rBV | 209361 | 696253 | 13.50% | 1.351% |
| 98 | 25.401 | 3751 | 3755 | 3772 | rVB2 | 228848 | 718818 | 13.93% | 1.395% |
| 99 | 29.267 | 4399 | 4413 | 4435 | rVB4 | 327442 | 1928351 | 37.38% | 3.741% |
| 100 | 30.489 | 4608 | 4621 | 4634 | rVB2 | 193399 | 900429 | 17.46% | 1.747% |

Sum of corrected areas: 51542313

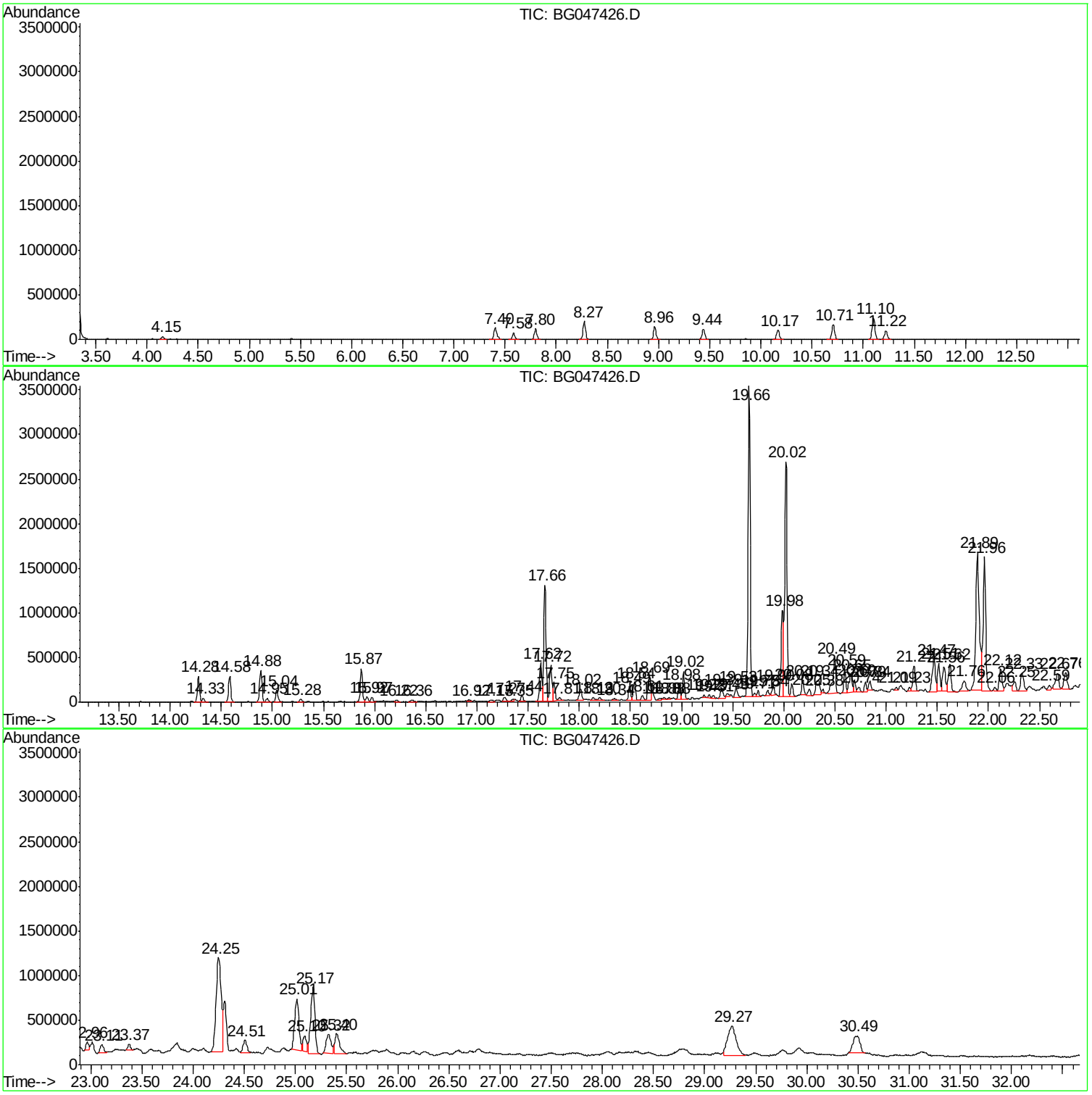
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

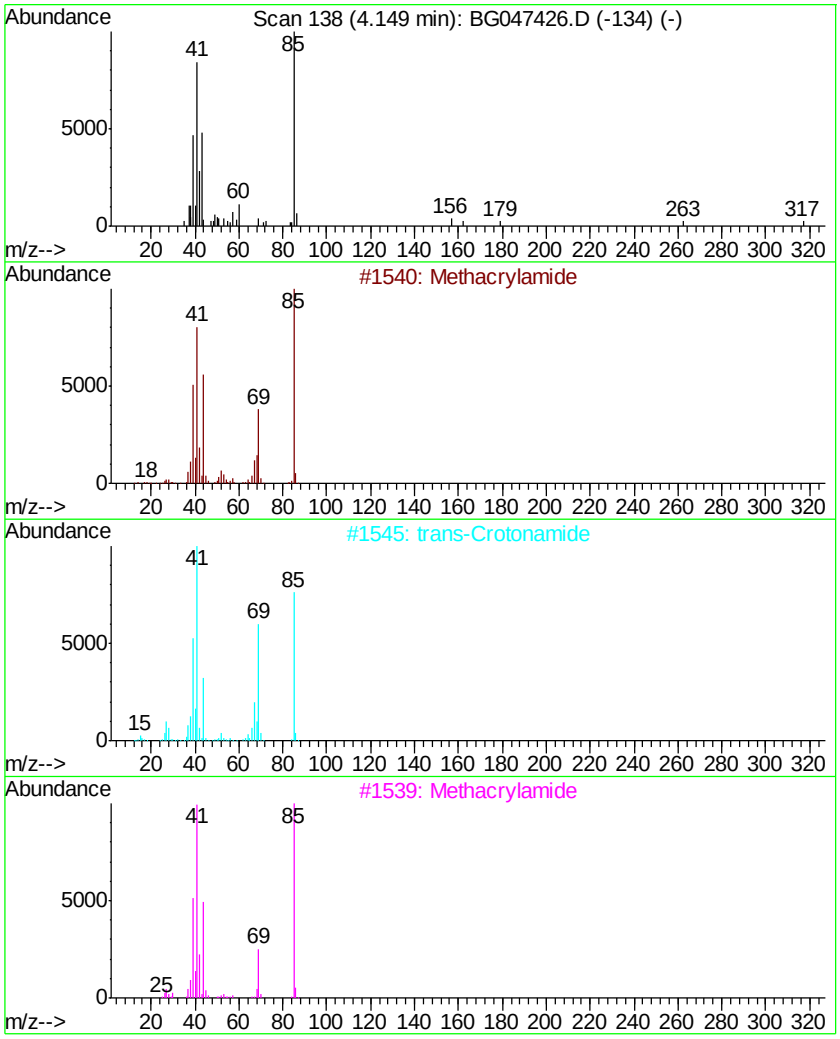
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

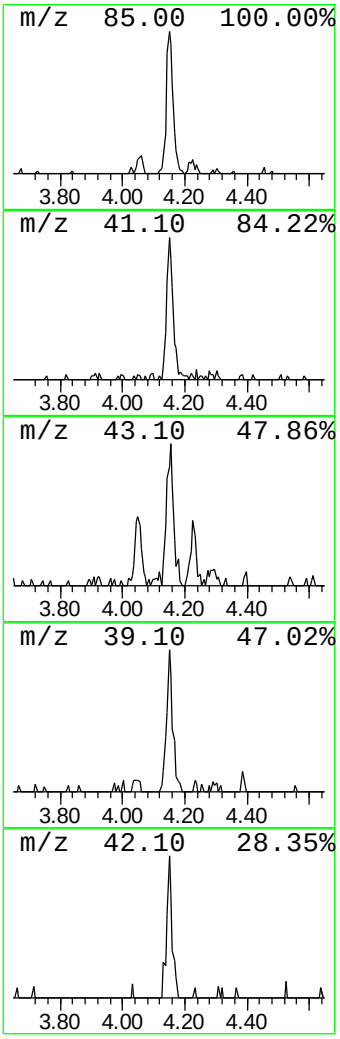
**********

Peak Number 1 Methacrylamide Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.15 | 2.83 ng/ul | 48549 | 1,4-Dichlorobenzene-d4 | 8.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 72 |
| 2 | trans-Crotonamide | 85 | C4H7NO | 000625-37-6 | 64 |
| 3 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 58 |
| 4 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 50 |
| 5 | Aluminum, tripropyl- | 156 | C9H21Al | 000102-67-0 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

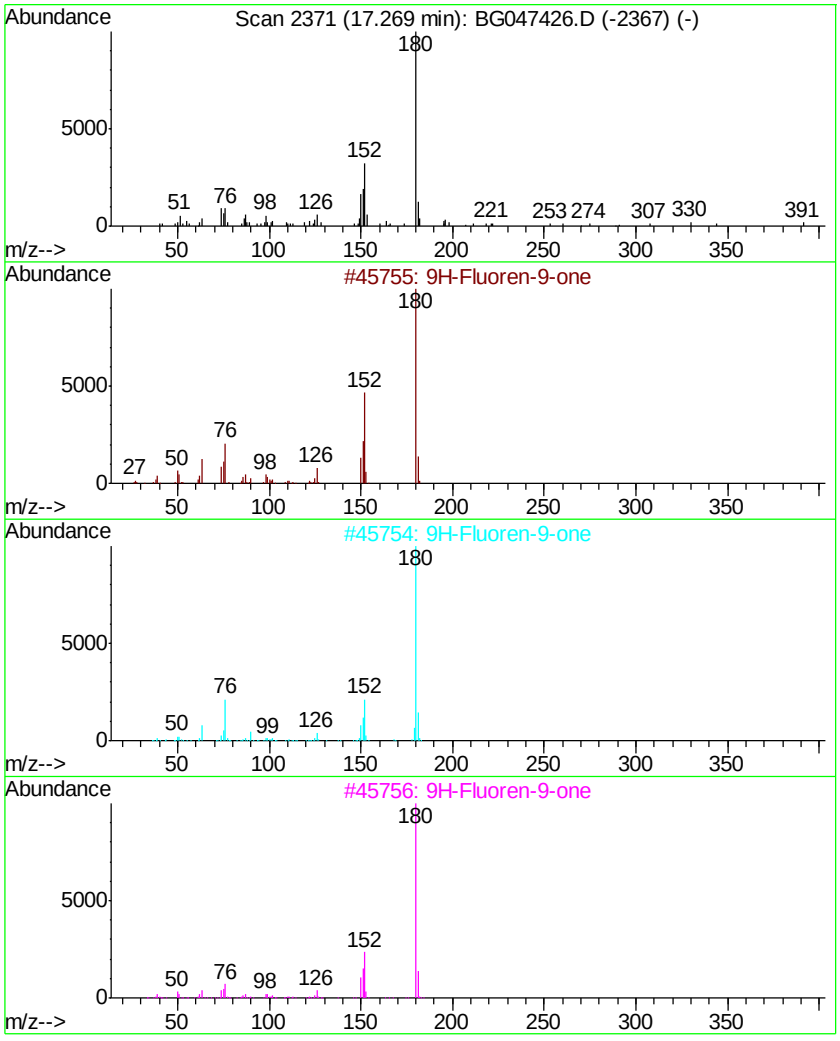
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

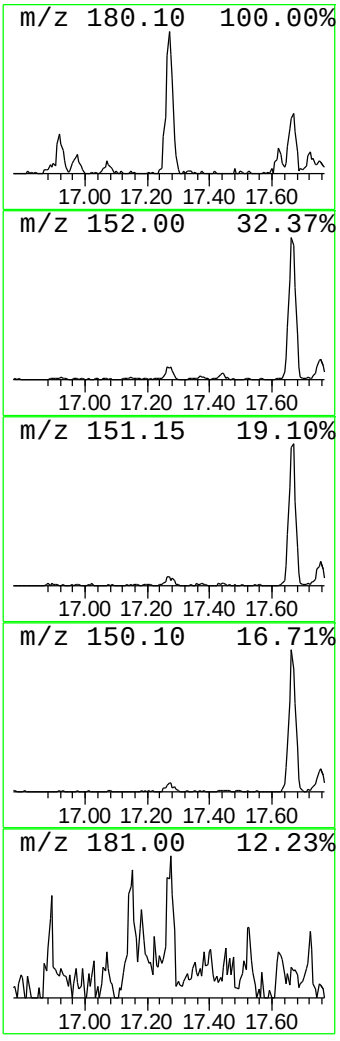
**********

Peak Number 2 9H-Fluoren-9-one Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.27 | 2.18 ng/ul | 75282 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 87 |
| 4 | Diphenic anhydride | 224 | C14H8O3 | 006050-13-1 | 64 |
| 5 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

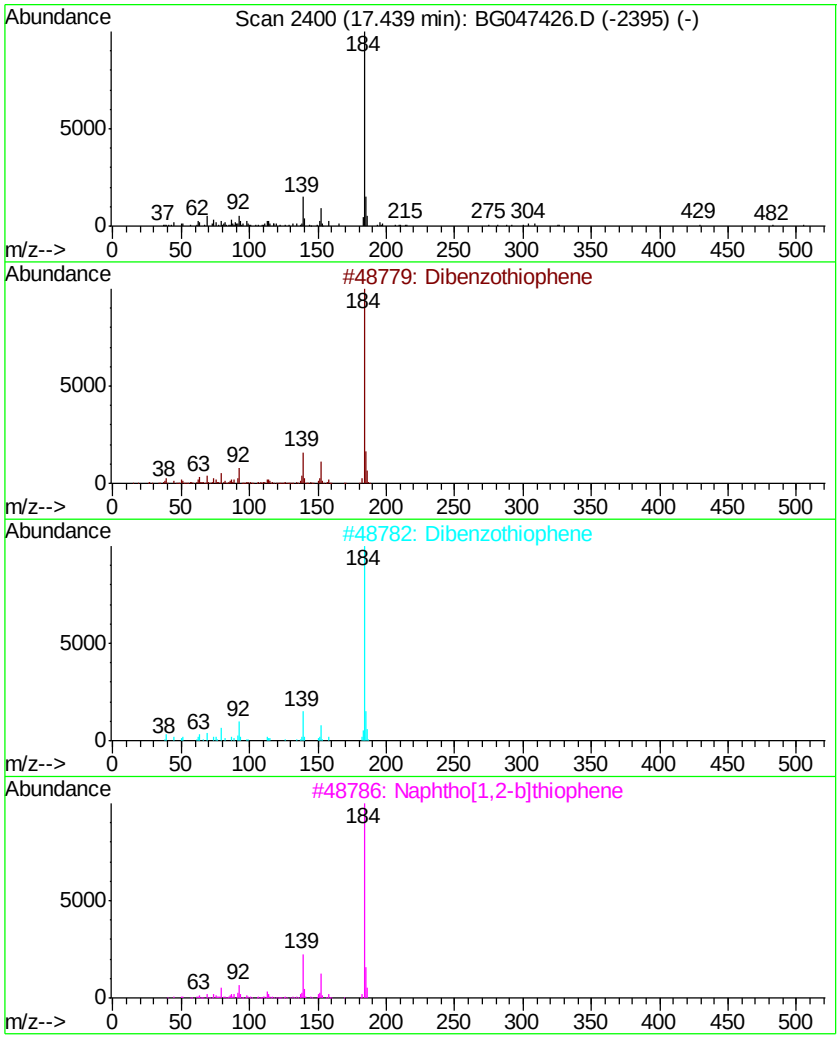
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

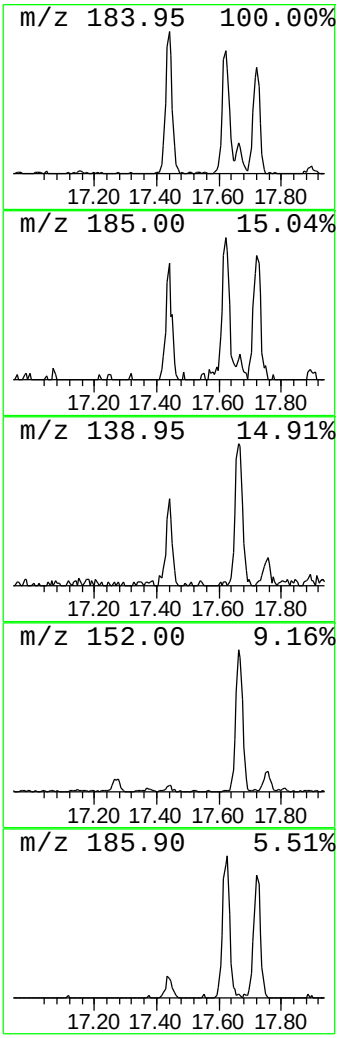
**********

Peak Number 3 Dibenzothiophene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.44 | 3.00 ng/ul | 103626 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 90 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 90 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 90 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 5 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

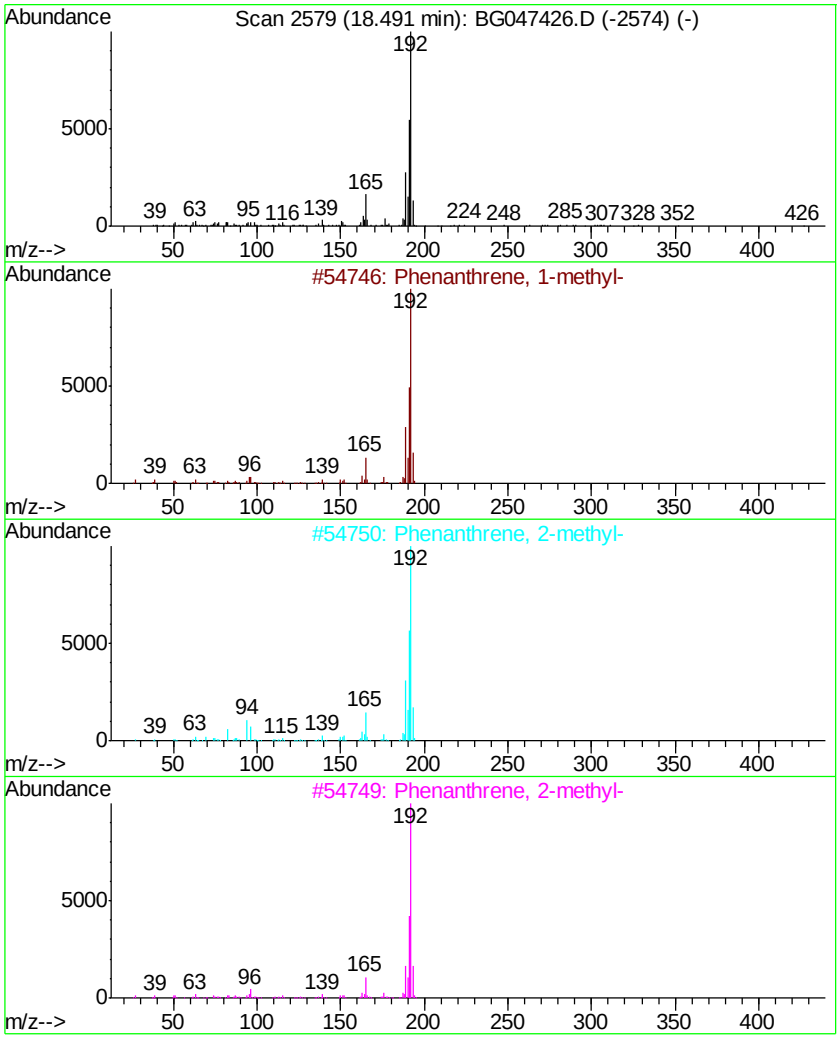
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

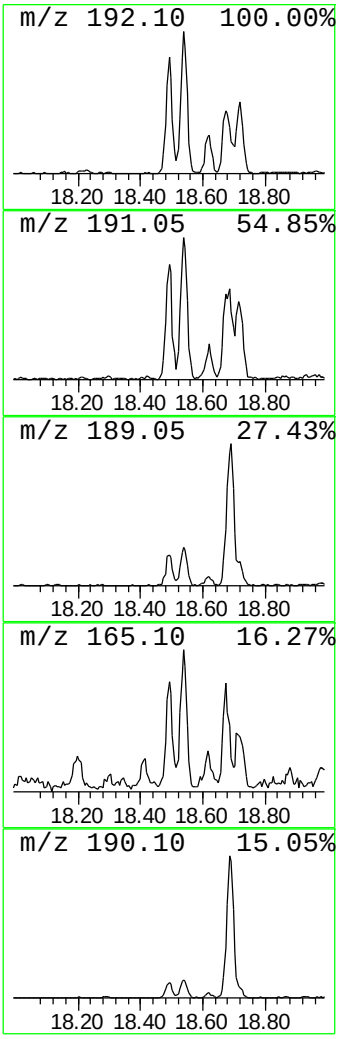
**********

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.49 | 6.57 ng/ul | 226936 | Phenanthrene-d10 | 17.62 |

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

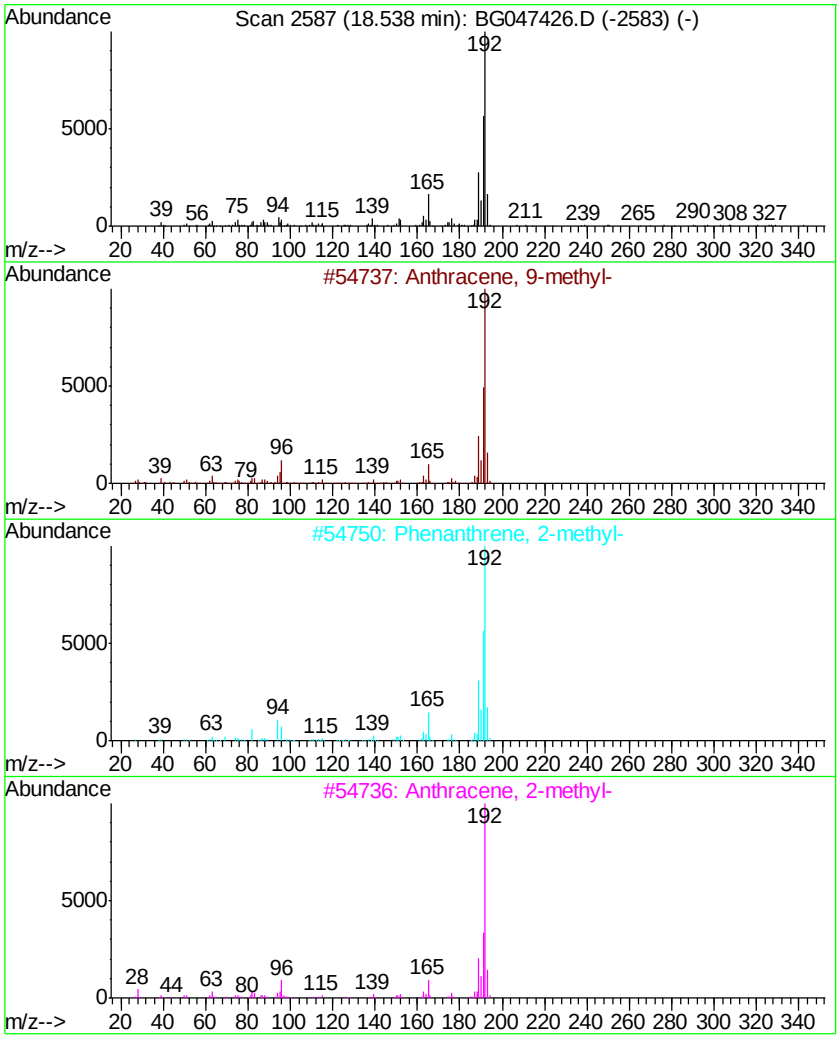
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

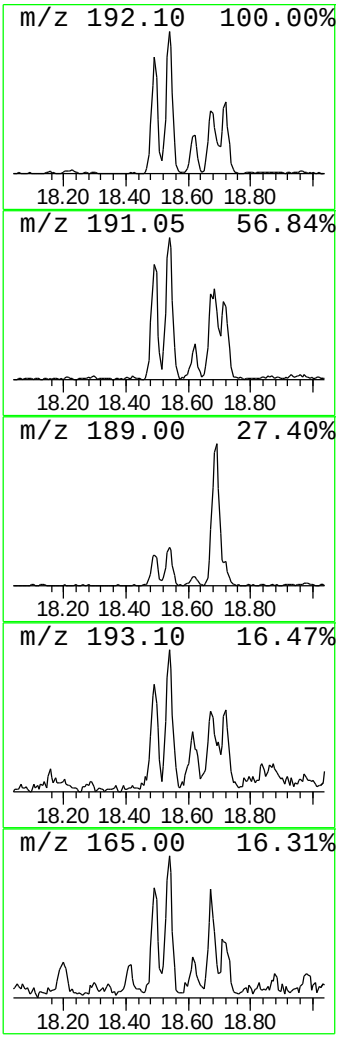
**********

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.54 | 9.31 ng/ul | 321396 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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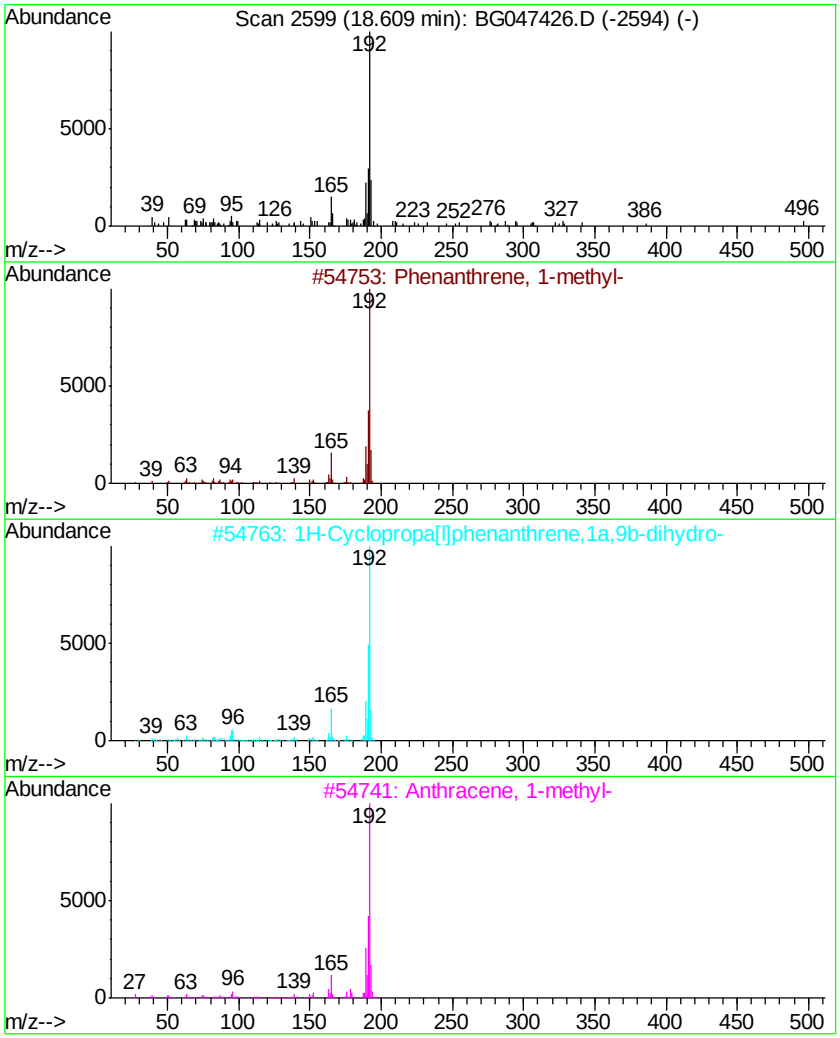
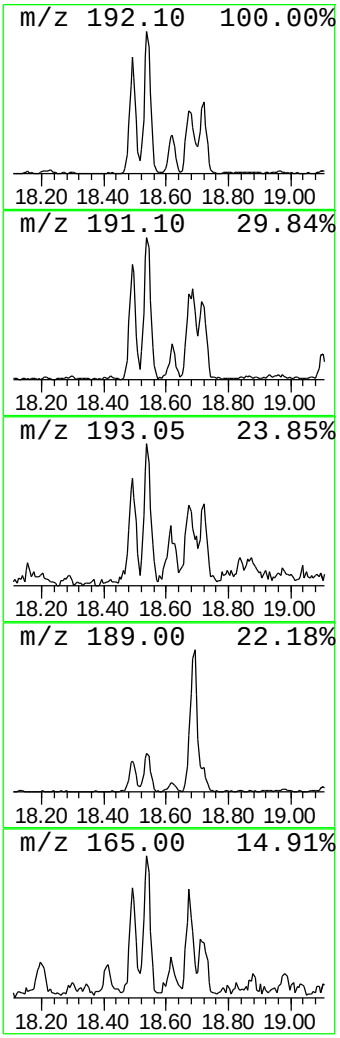
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.61 | 2.88 ng/ul | 99305 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

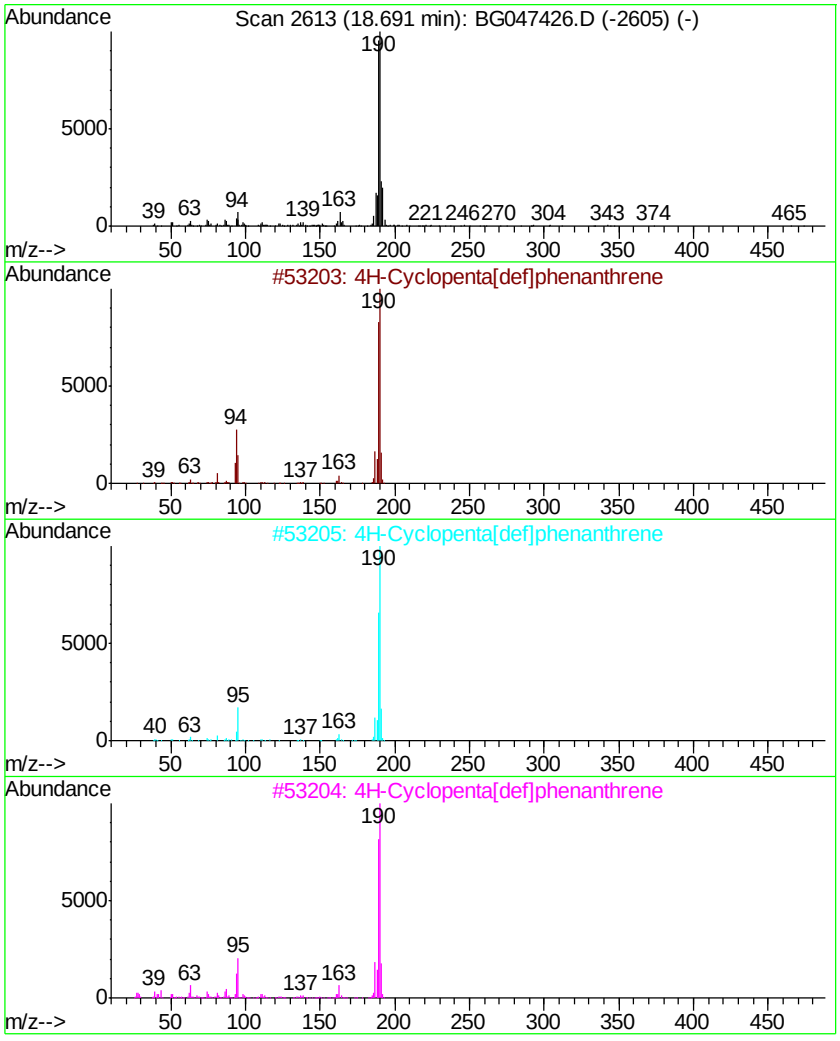
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

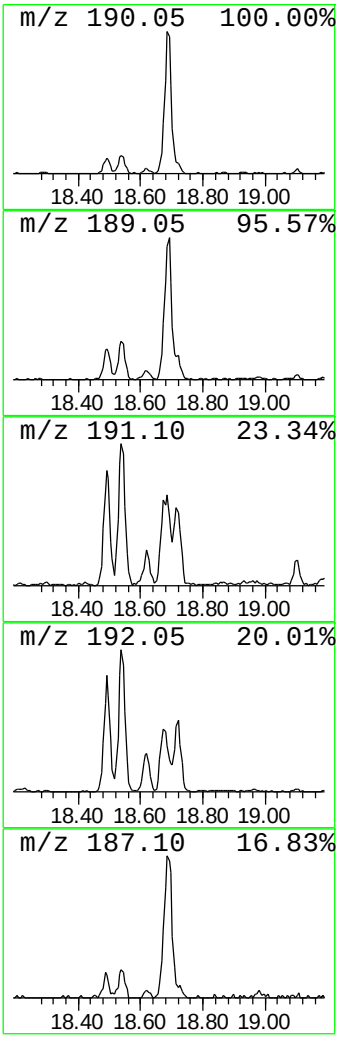
**********

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.69 | 14.32 ng/ul | 494356 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 83 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 80 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 4 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 45 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |



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Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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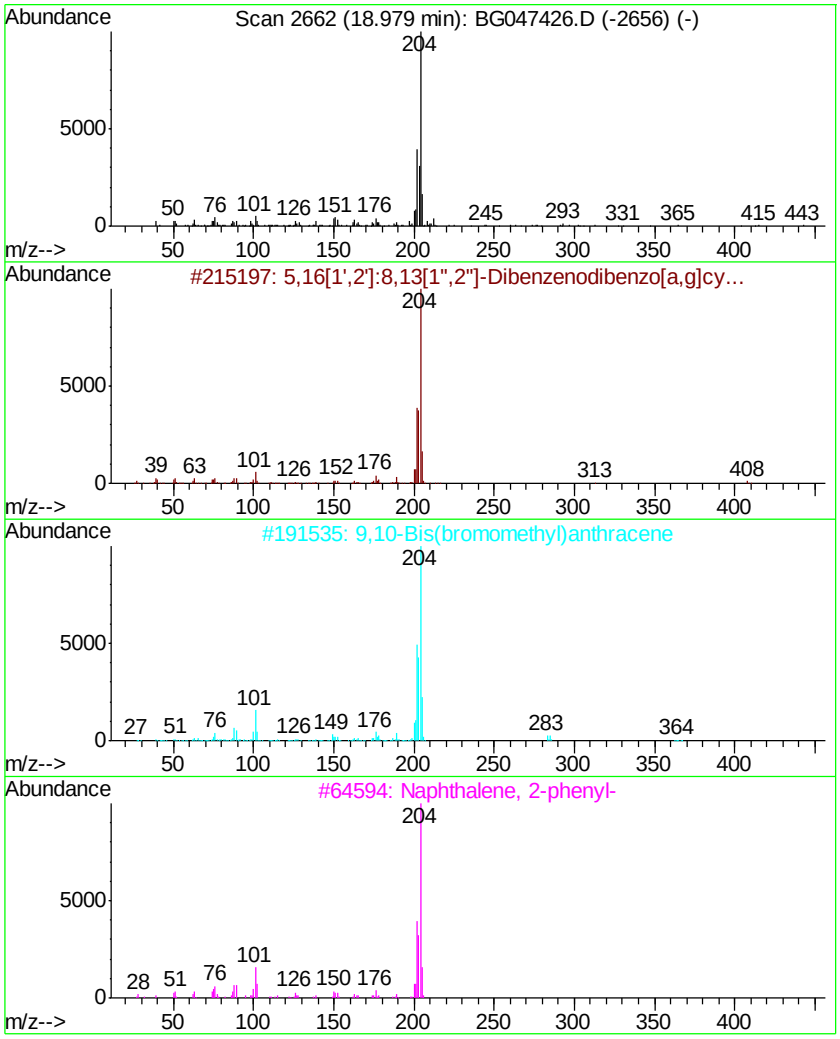
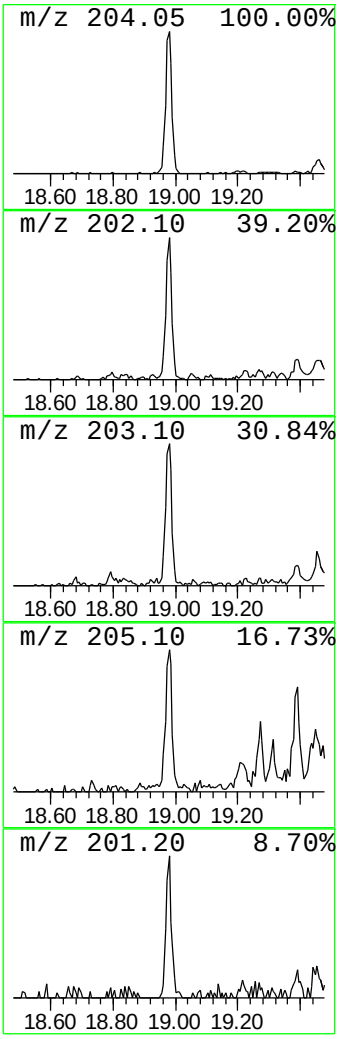
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.98 | 7.52 ng/ul | 259689 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 2 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 78 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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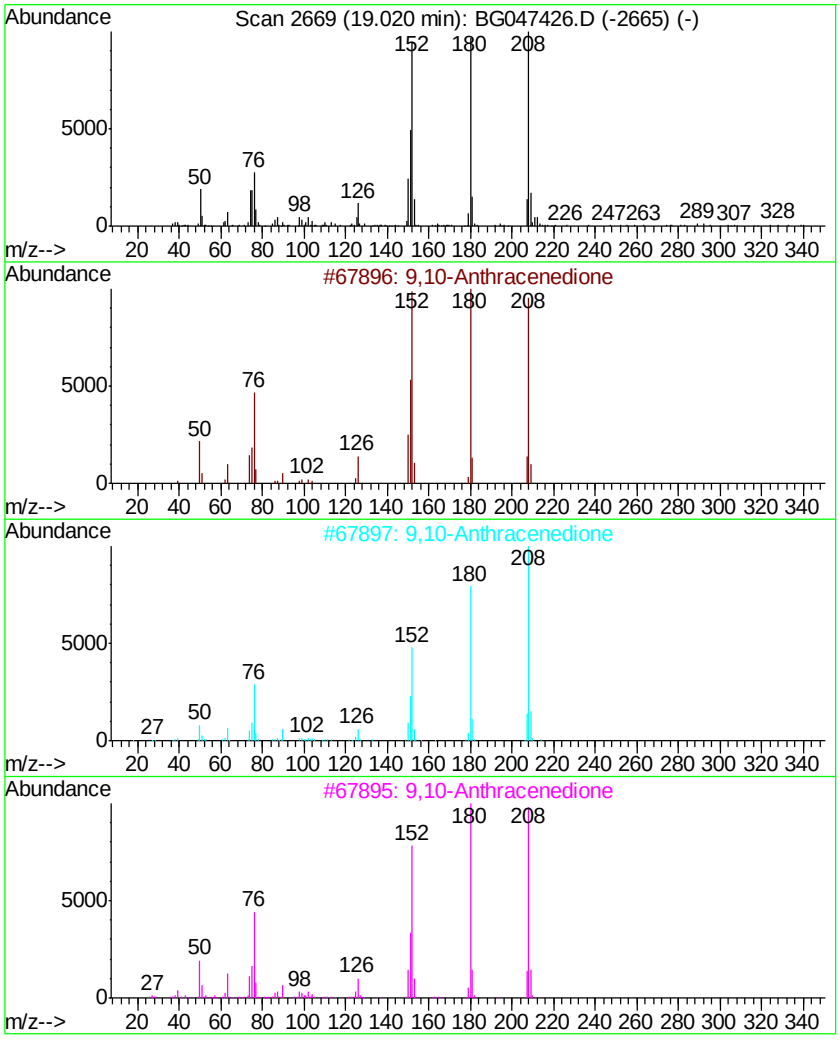
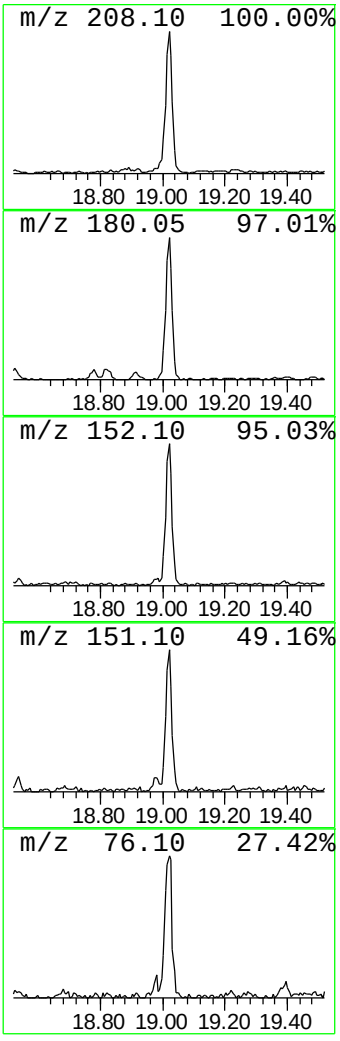
Peak Number 9 9,10-Anthracenedione Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.02 | 13.06 ng/ul | 450729 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 86 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |



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Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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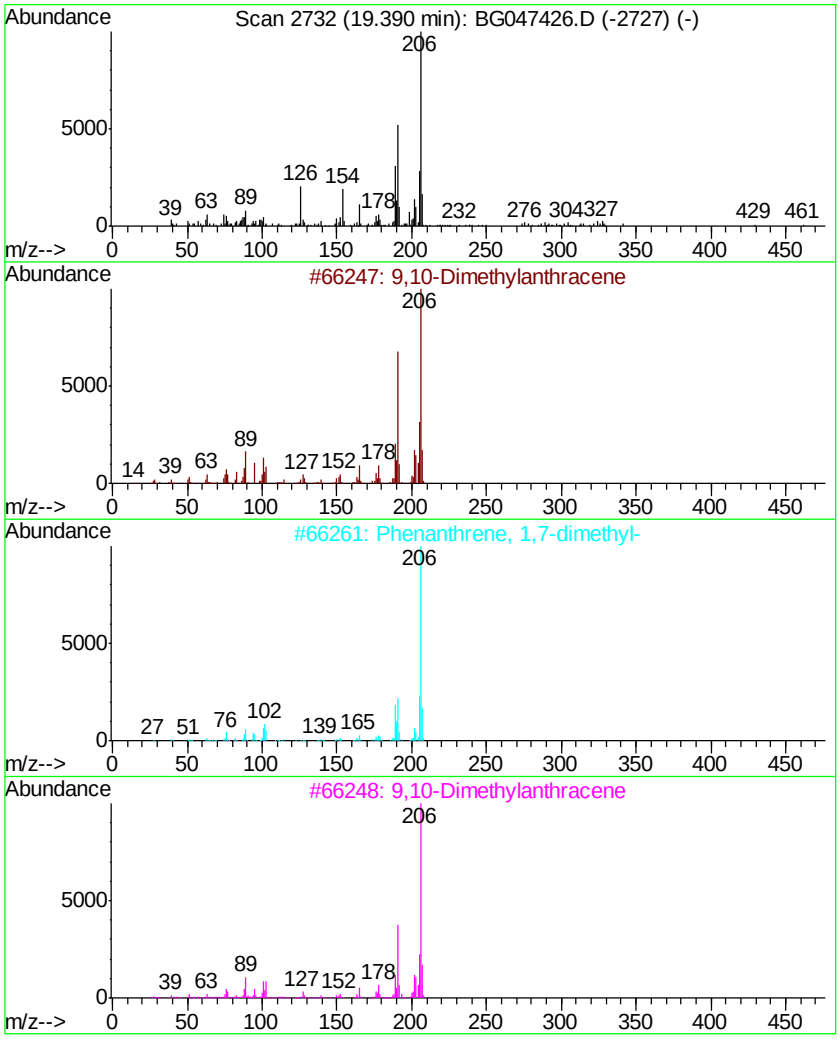
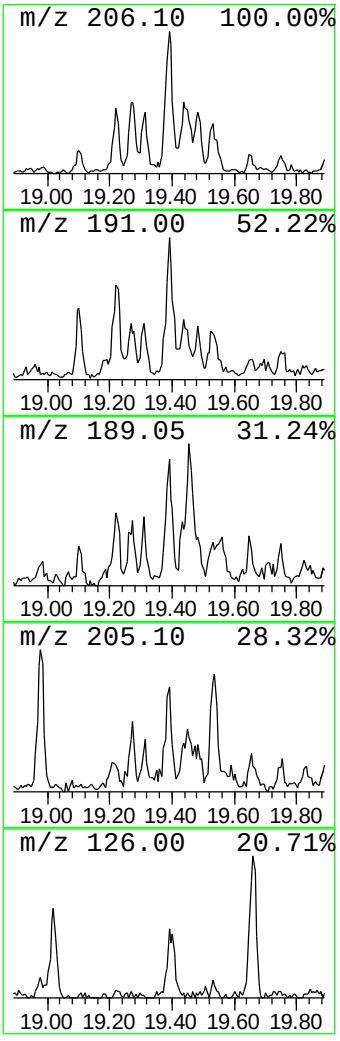
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 5.73 ng/ul | 197686 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 86 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 81 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 76 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 76 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 70 |



Library Search Compound Report

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Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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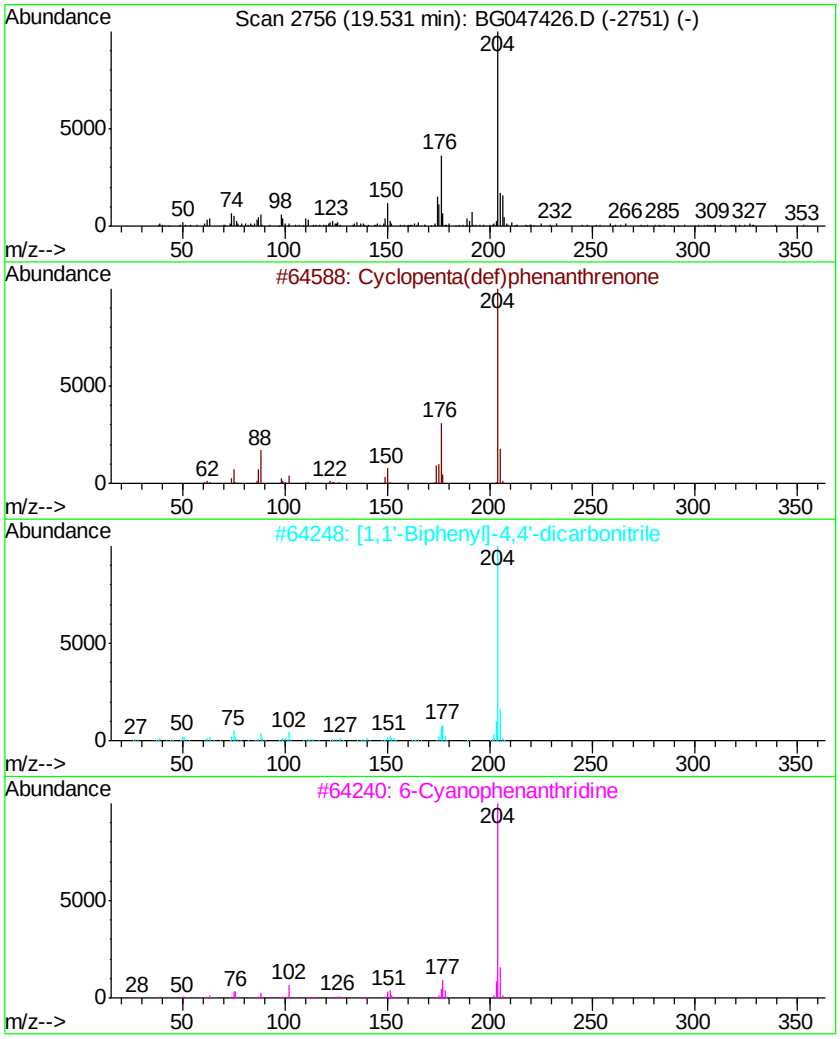
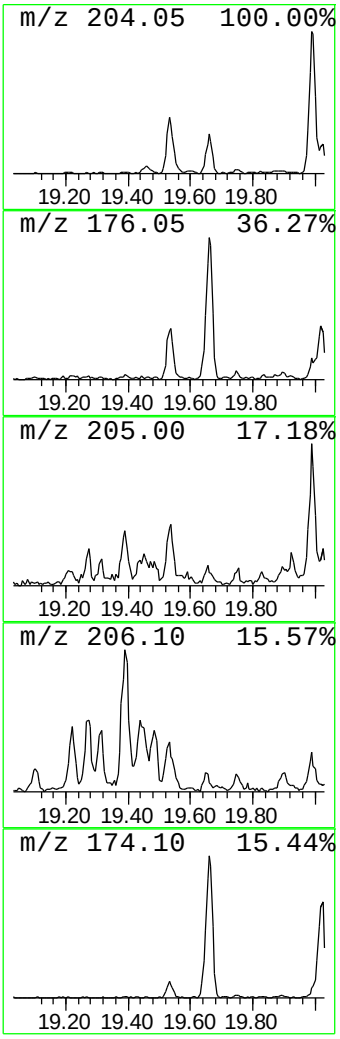
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.53 | 6.51 ng/ul | 224815 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 87 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 52 |
| 3 | 6-Cyanophenanthridine | 204 | C14H8N2 | 002176-28-5 | 50 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 47 |
| 5 | 2,2,4,4,6,6-Hexamethylcyclotrisi... | 219 | C6H21N3Si3 | 001009-93-4 | 47 |



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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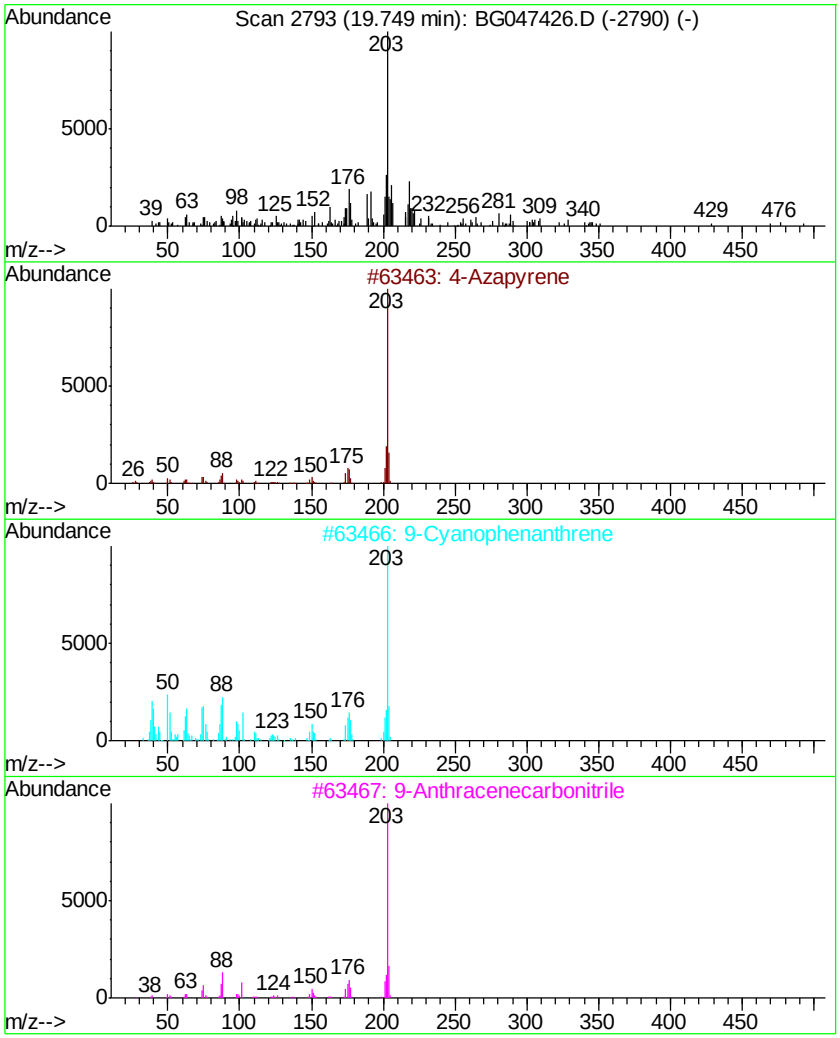
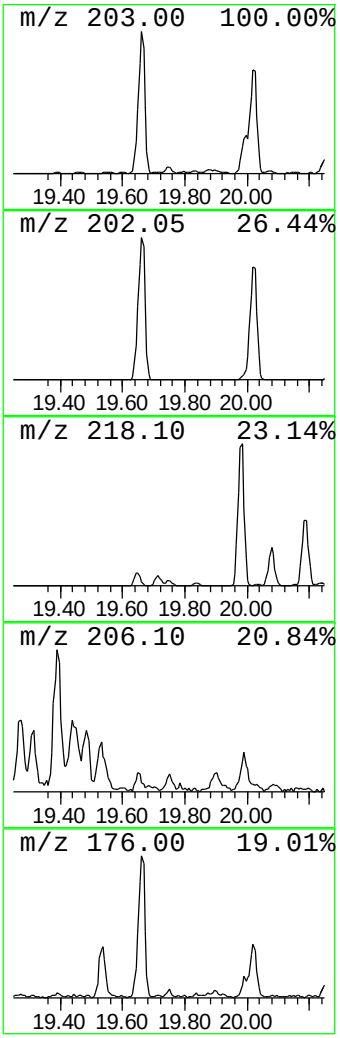
Peak Number 12 4-Azapyrene Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.75 | 2.34 ng/ul | 80804 | Phenanthrene-d10 | 17.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Azapyrene | 203 | C15H9N | 000194-03-6 | 60 |
| 2 | 9-Cyanophenanthrene | 203 | C15H9N | 002510-55-6 | 49 |
| 3 | 9-Anthracenecarbonitrile | 203 | C15H9N | 001210-12-4 | 49 |
| 4 | 4-Azapyrene | 203 | C15H9N | 000194-03-6 | 49 |
| 5 | Naphtho(2,1,8-def)quinoline | 203 | C15H9N | 000313-80-4 | 49 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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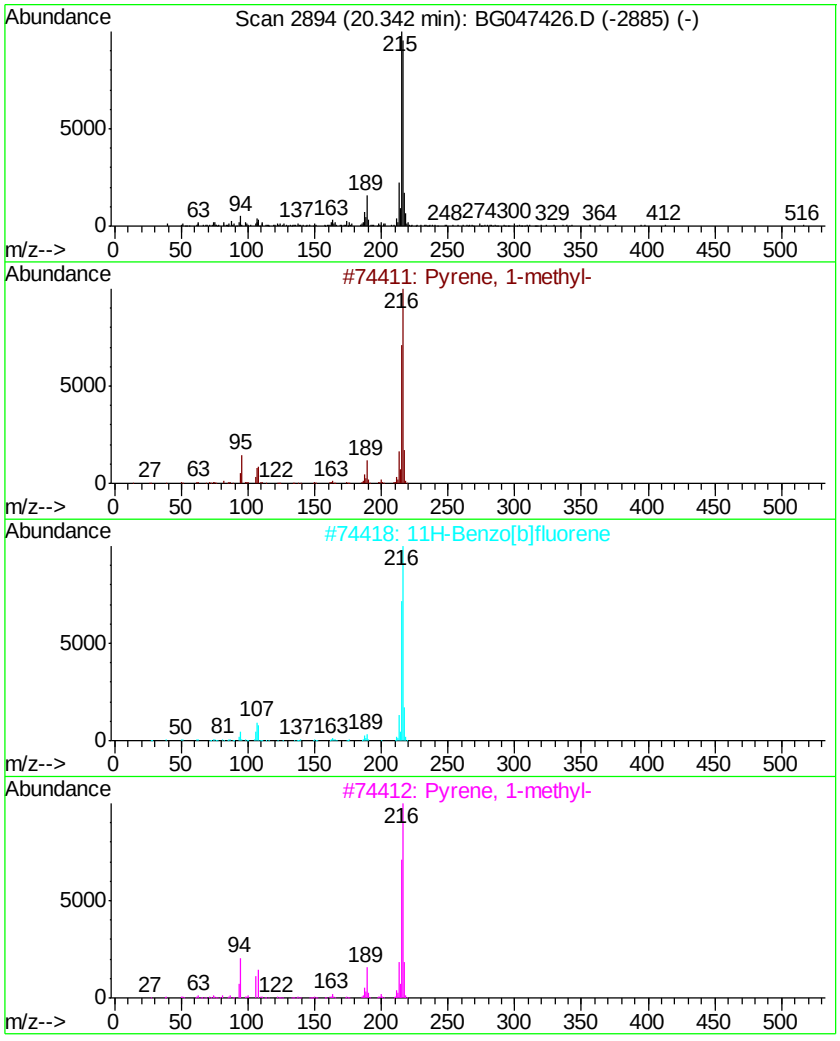
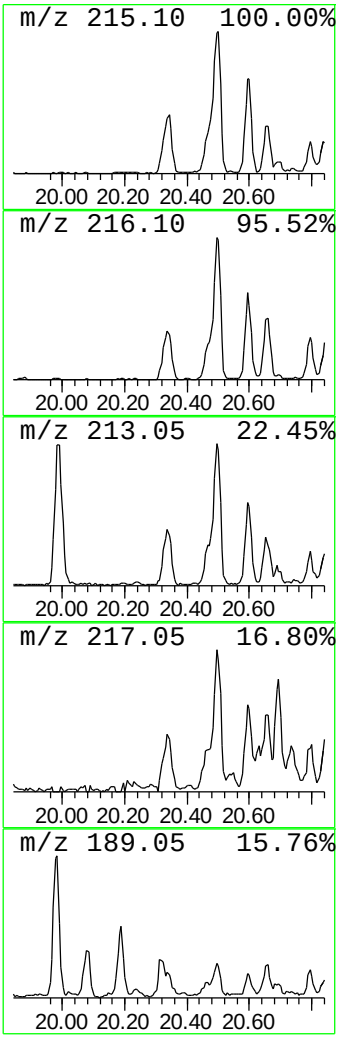
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.34 | 2.37 ng/ul | 447557 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |



Library Search Compound Report

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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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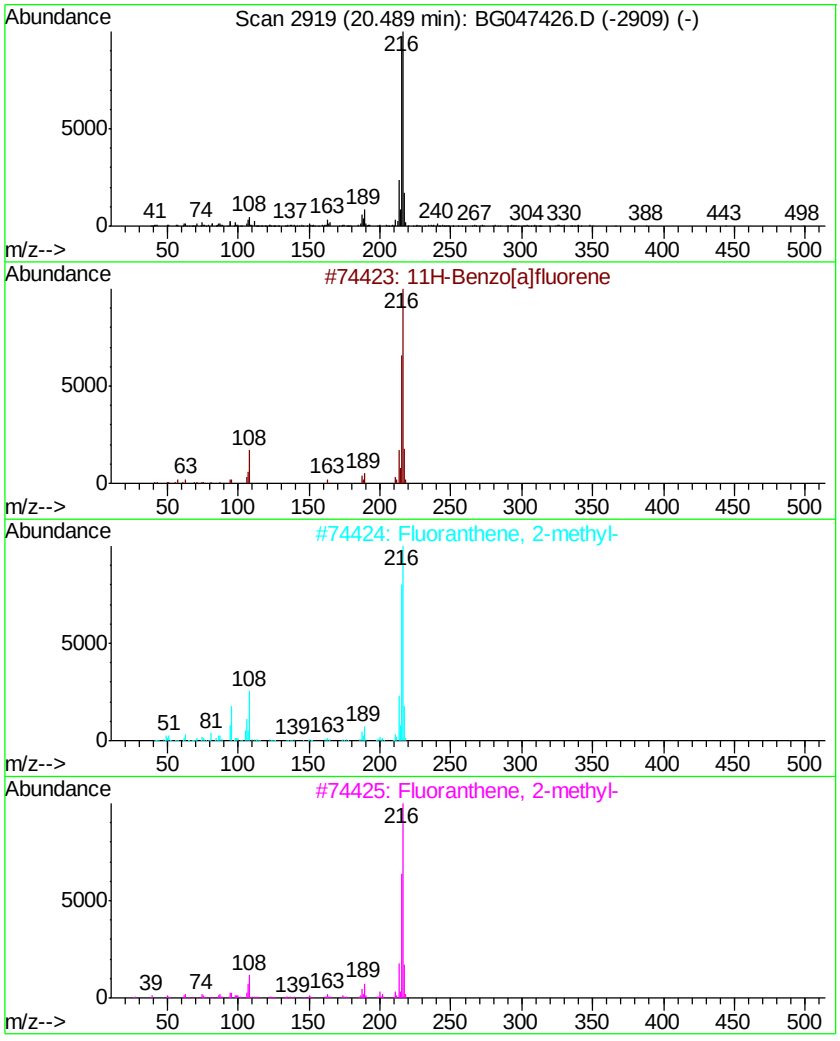
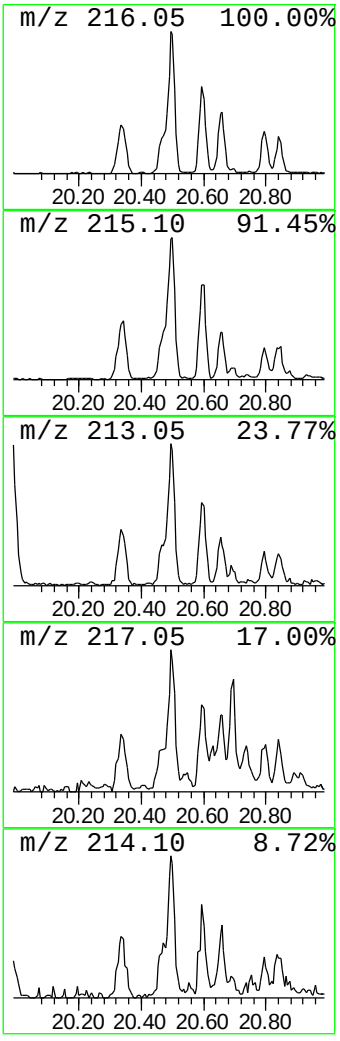
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.49 | 4.32 ng/ul | 817289 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |



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Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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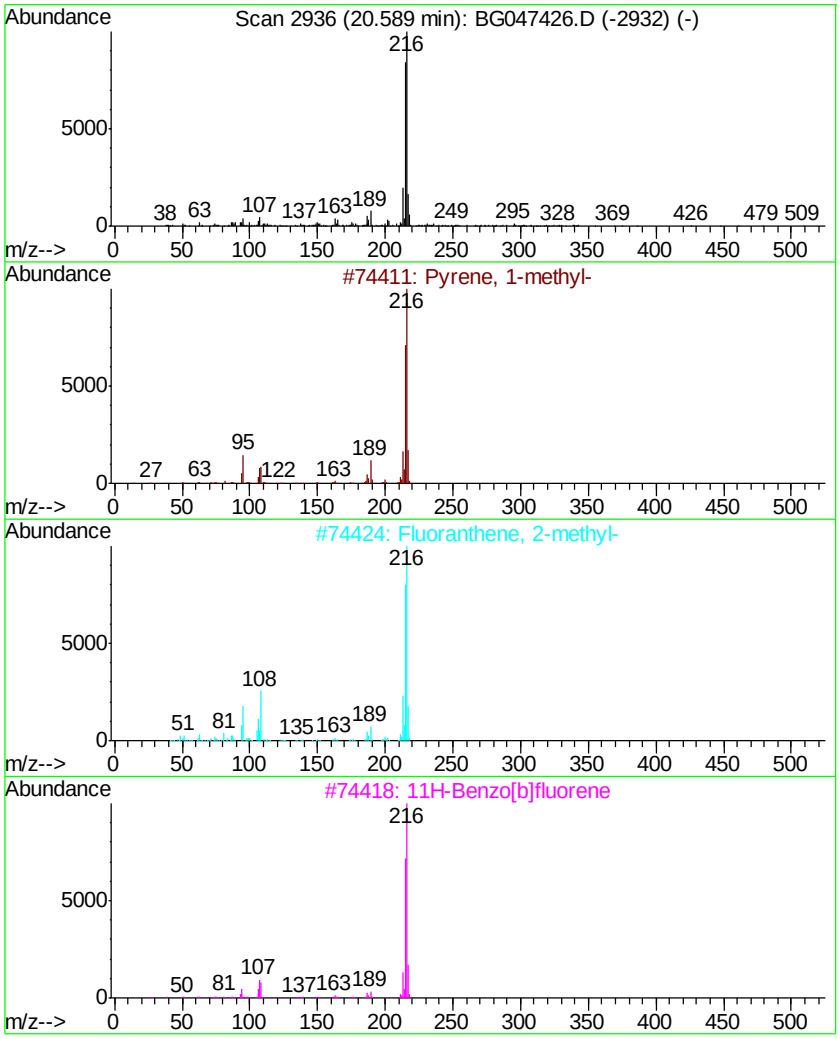
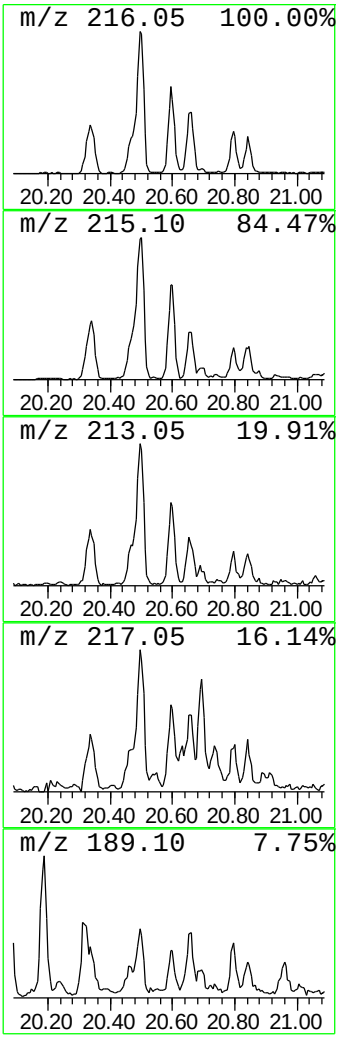
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.59 | 2.06 ng/ul | 389332 | Chrysene-d12 | 21.91 |

| 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 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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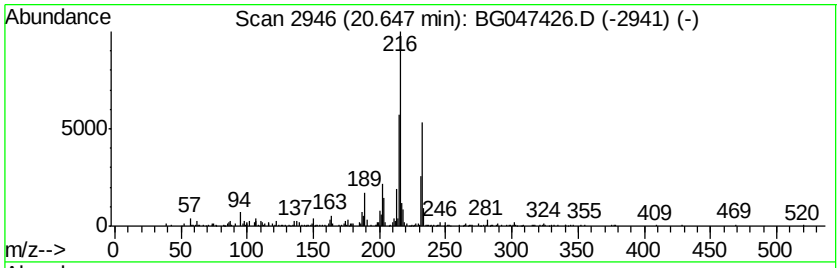
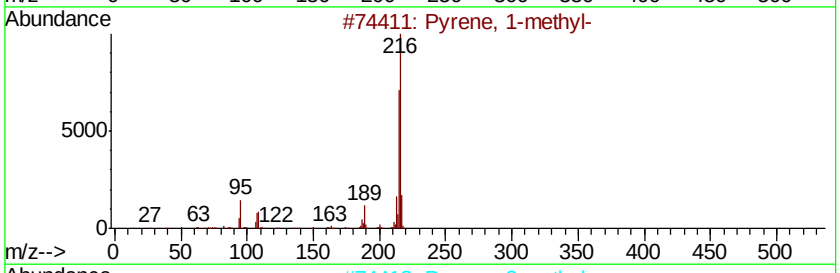
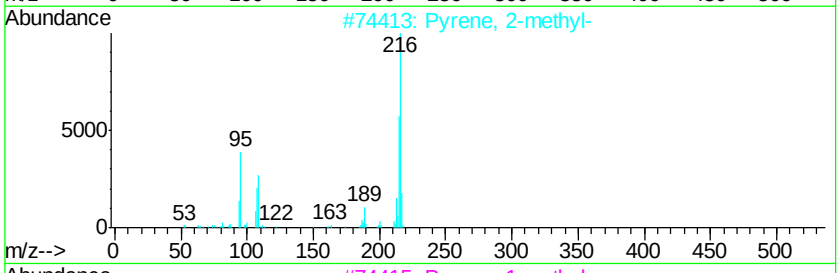
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 24

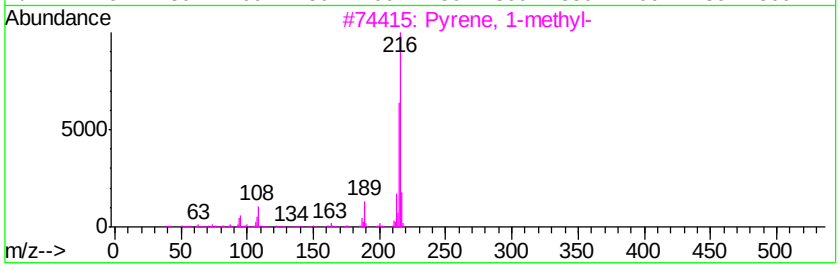
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.65 | 2.22 ng/ul | 420118 | Chrysene-d12 | 21.91 |

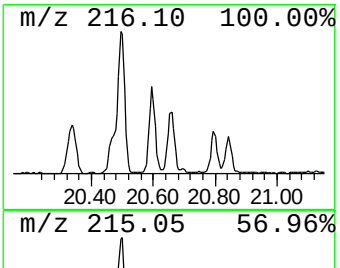
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 83 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 81 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 81 |

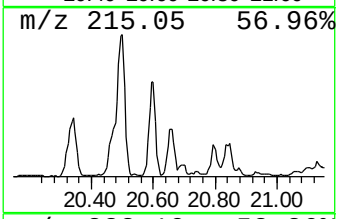


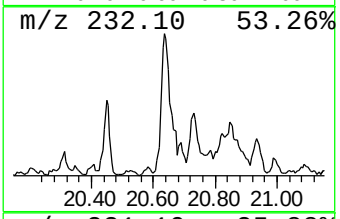



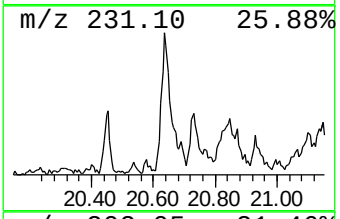



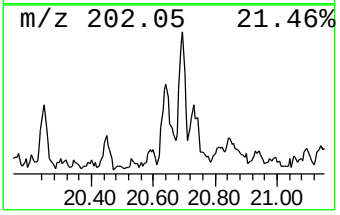



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

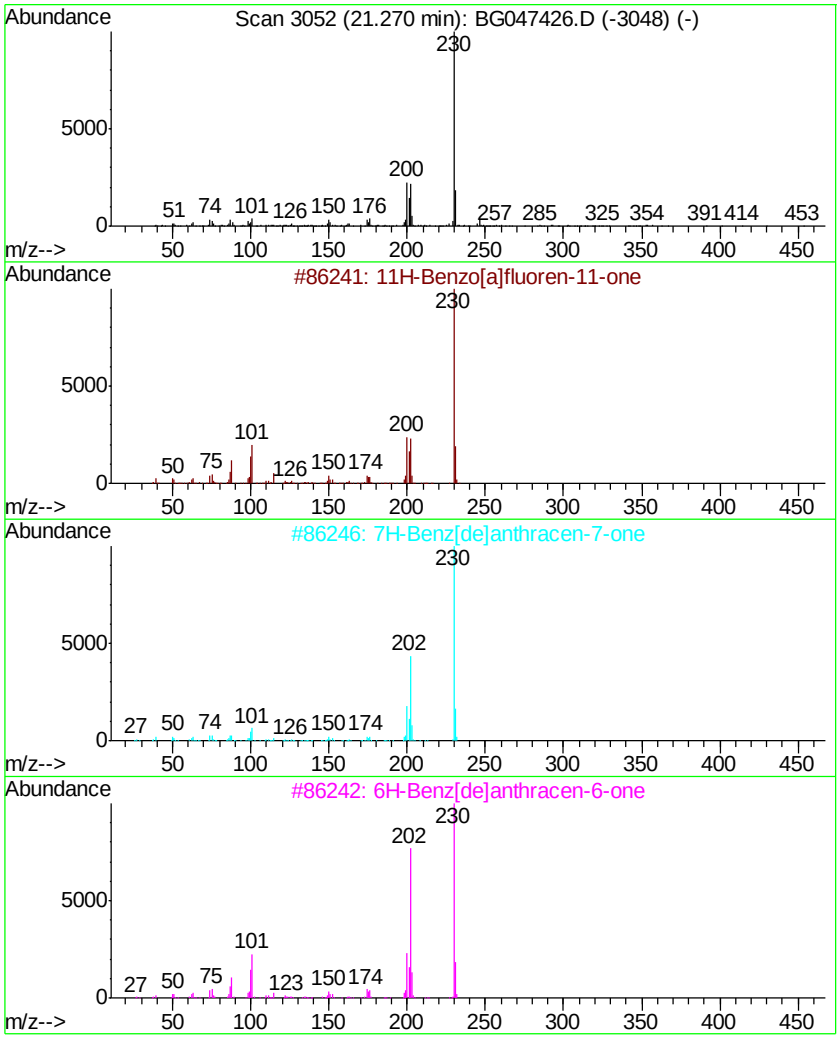
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

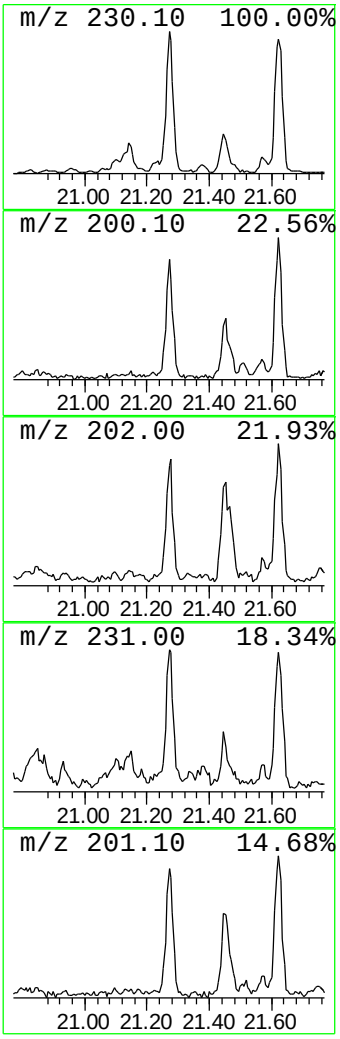
**********

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.27 | 2.46 ng/ul | 464762 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 94 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 81 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 81 |
| 4 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 80 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

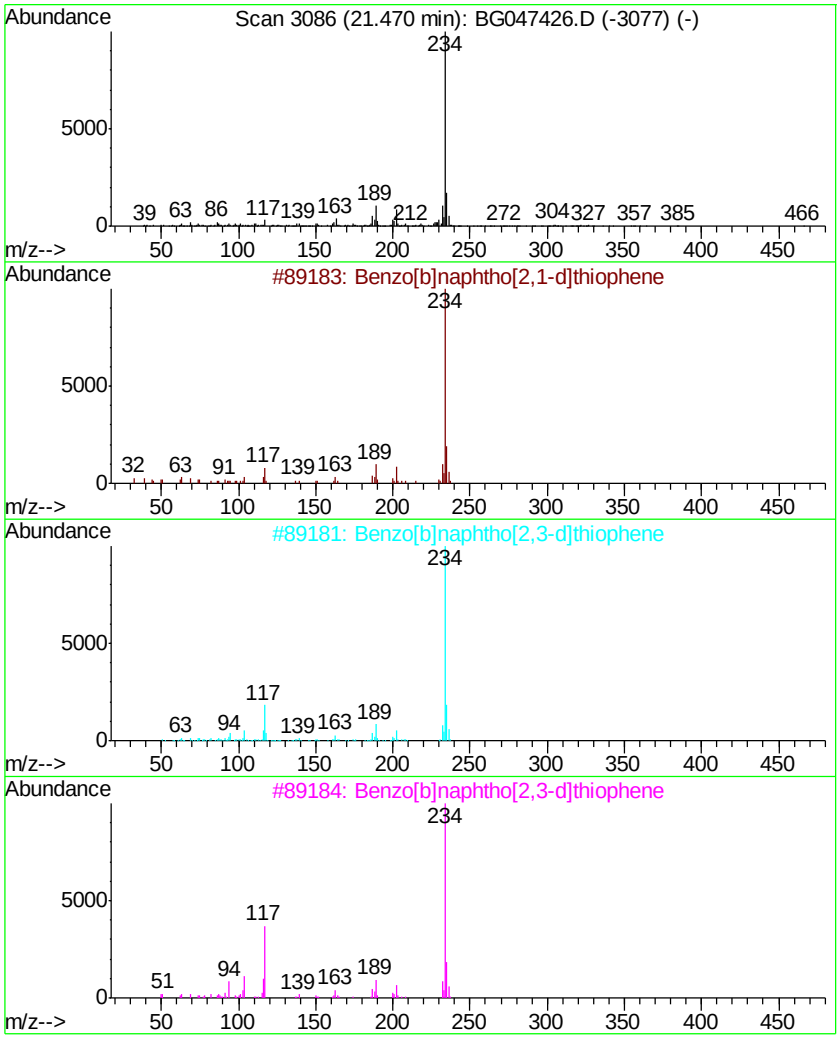
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

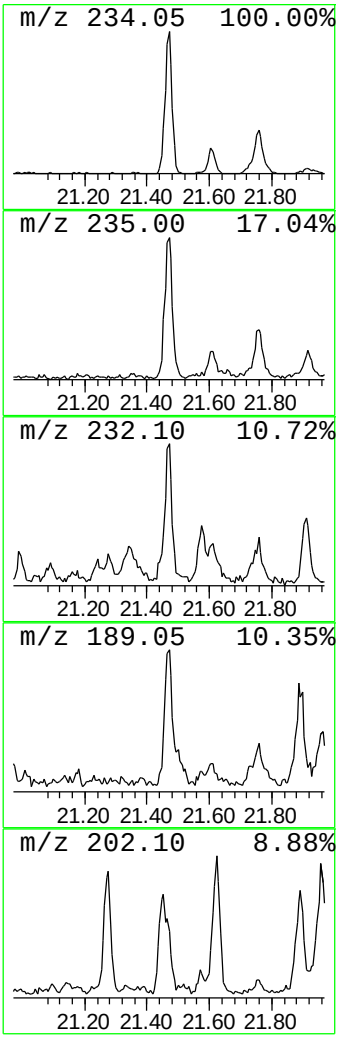
**********

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.47 | 4.27 ng/ul | 806678 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 96 |
| 2 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 94 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 94 |
| 4 | Benzo[b]naphtho[1,2-d]thiophene | 234 | C16H10S | 000205-43-6 | 93 |
| 5 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 91 |



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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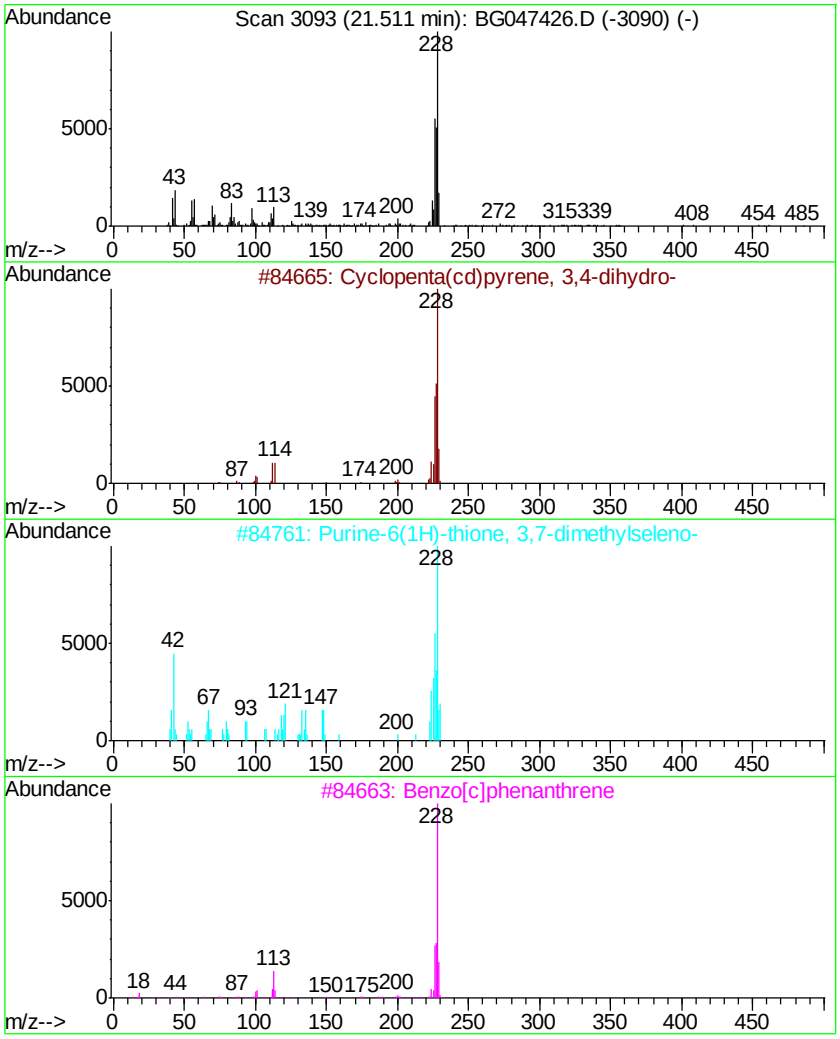
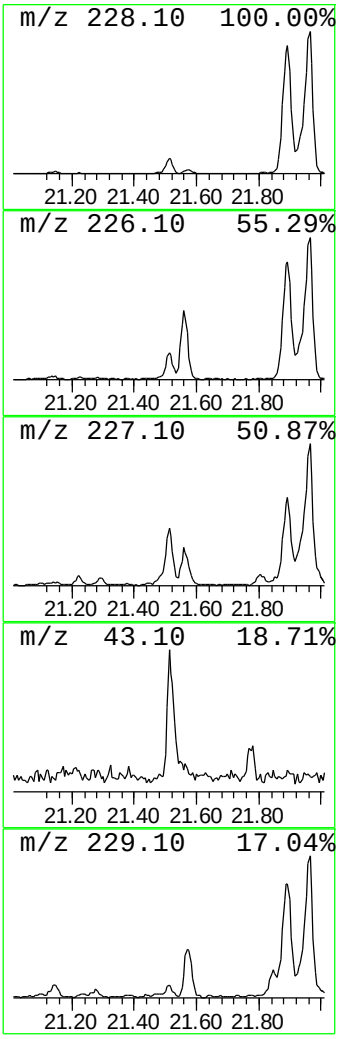
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.51 | 2.66 ng/ul | 503551 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 53 |
| 2 | Purine-6(1H)-thione, 3,7-dimethy... | 228 | C7H8N4Se | 023663-58-3 | 50 |
| 3 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 47 |
| 4 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 45 |
| 5 | Triphenylene | 228 | C18H12 | 000217-59-4 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

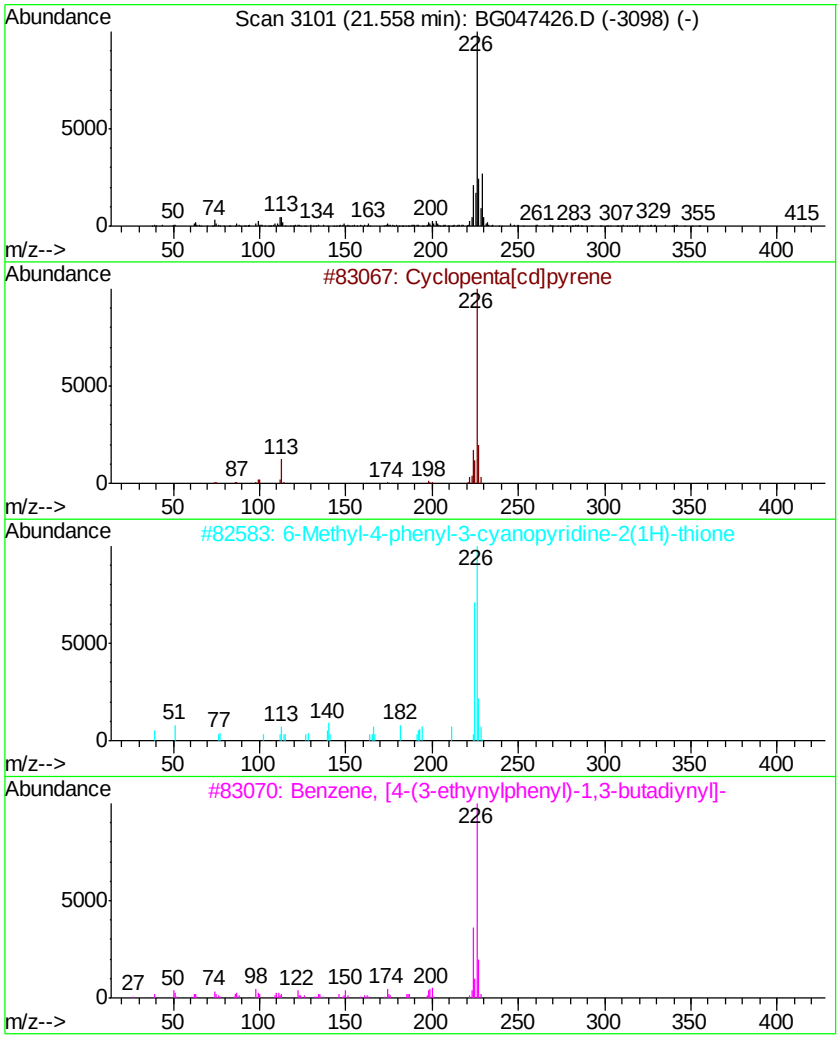
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

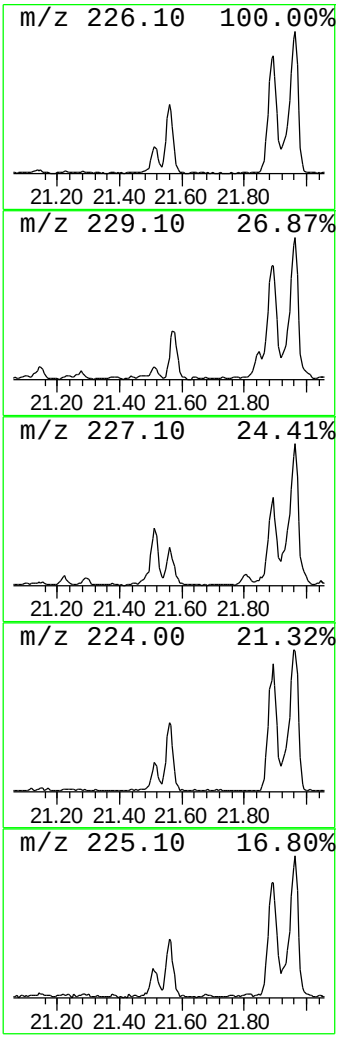
**********

Peak Number 20 unknown-01 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.56 | 2.84 ng/ul | 536142 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 43 |
| 2 | 6-Methyl-4-phenyl-3-cyanopyridin... | 226 | C13H10N2S | 078564-23-5 | 37 |
| 3 | Benzene, [4-(3-ethynylphenyl)-1,... | 226 | C18H10 | 1000115-87-3 | 37 |
| 4 | Benz[c]acridine | 229 | C17H11N | 000225-51-4 | 18 |
| 5 | 4-Piperidino-1-oxo-1,2-dihydroph... | 229 | C13H15N3O | 078755-15-4 | 18 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

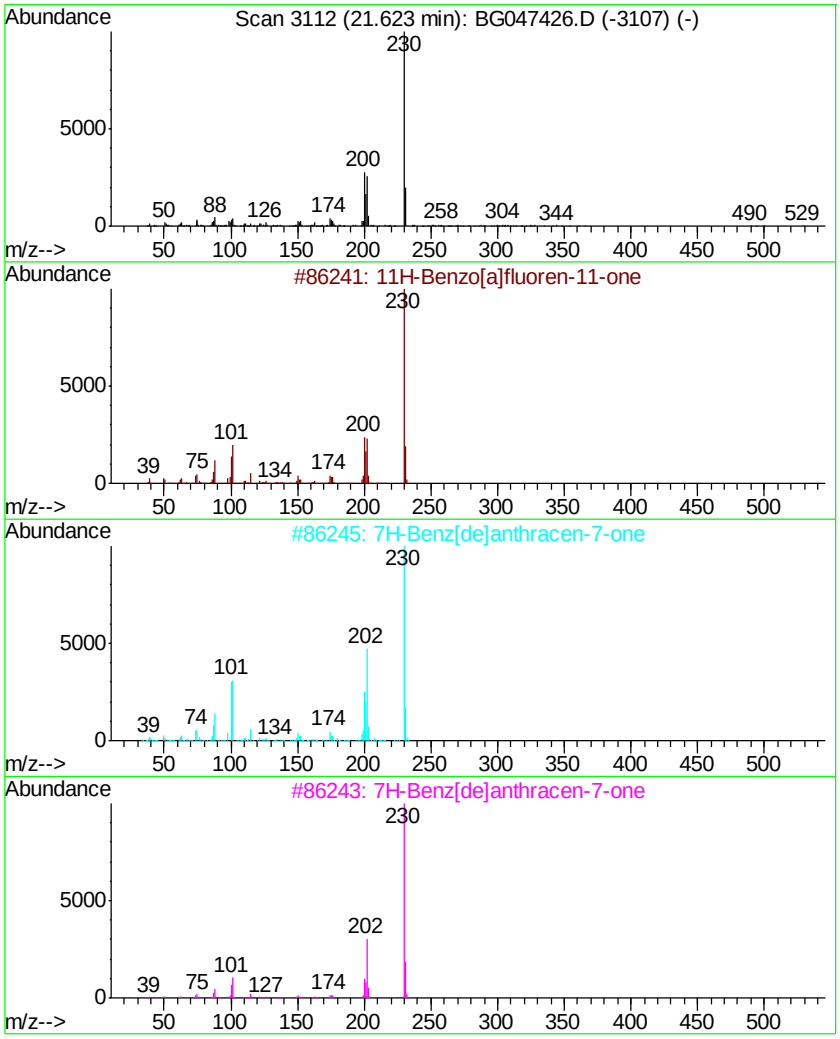
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

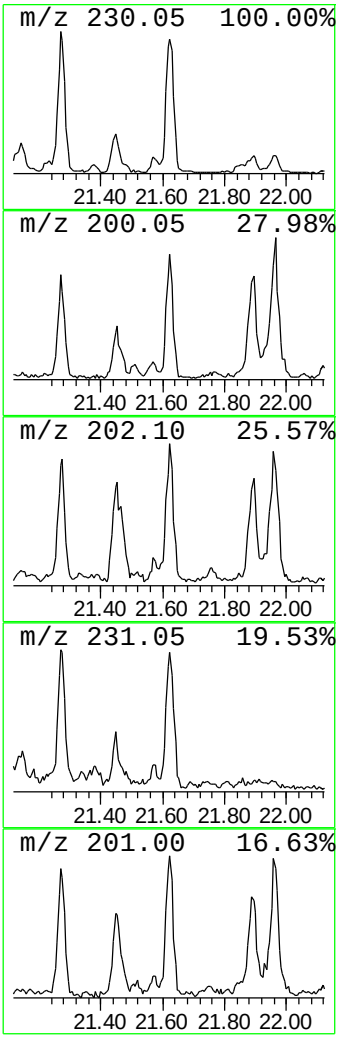
**********

Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.62 | 3.13 ng/ul | 592549 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 91 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 72 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

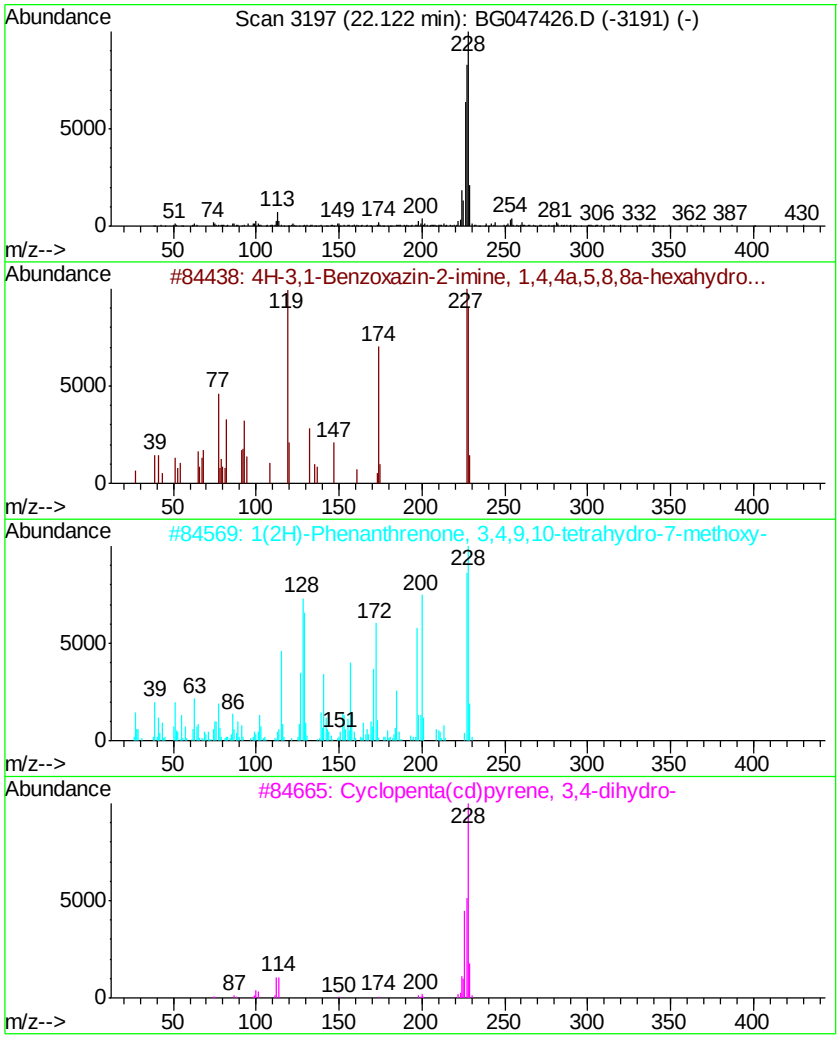
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

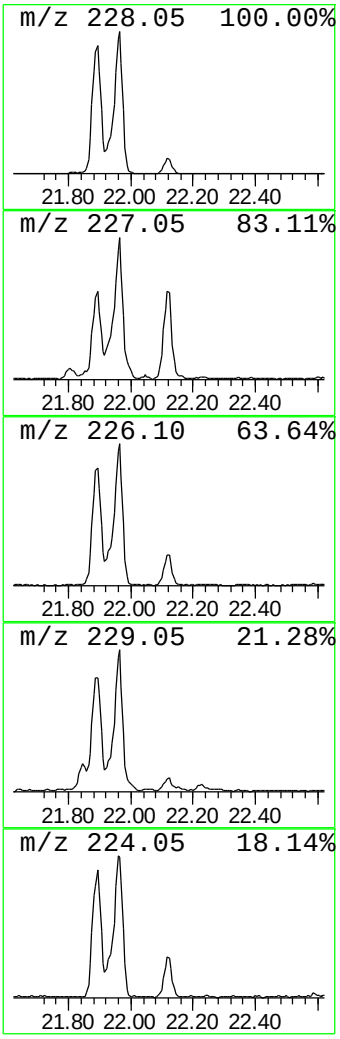
**********

Peak Number 22 4H-3,1-Benzoxazin-2-imine, ... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.12 | 2.37 ng/ul | 447235 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-3,1-Benzoxazin-2-imine, 1,4,4... | 228 | C14H16N2O | 1000139-29-1 | 58 |
| 2 | 1(2H)-Phenanthrenone, 3,4,9,10-t... | 228 | C15H16O2 | 014427-61-3 | 50 |
| 3 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 49 |
| 4 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 40 |
| 5 | Pyrazole-4-carboxaldehyde-, 3,5-... | 228 | C14H16N2O | 1000272-54-8 | 40 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

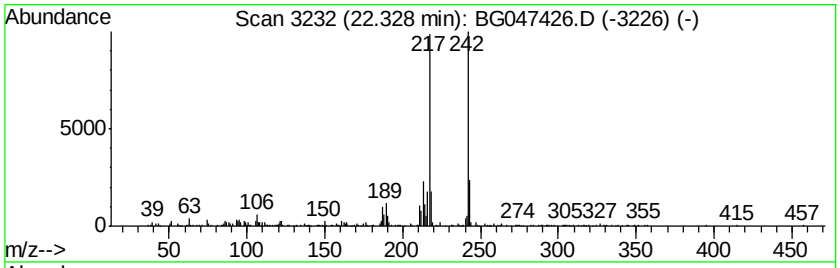
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

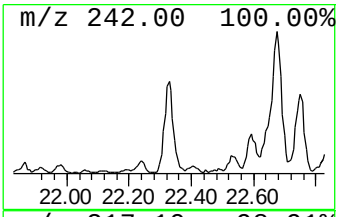
**********

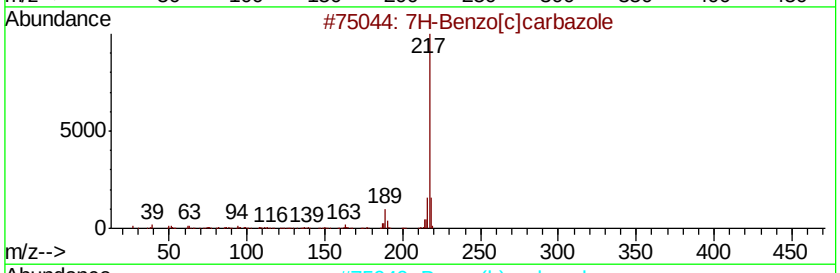
Peak Number 23 unknown-02 Concentration Rank 25

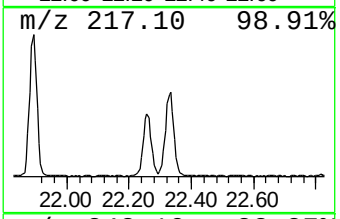
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.33 | 2.20 ng/ul | 415224 | Chrysene-d12 | 21.91 |

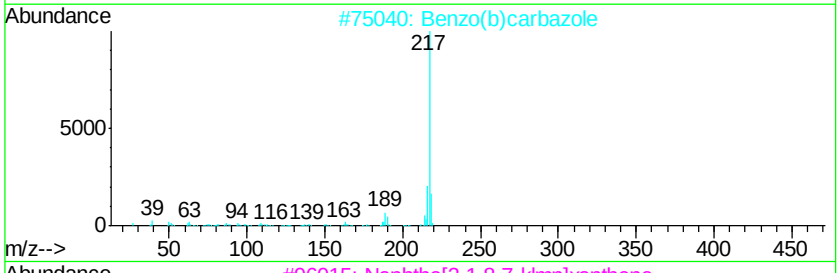
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benzo[c]carbazole | 217 | C16H11N | 000205-25-4 | 42 |
| 2 | Benzo(b)carbazole | 217 | C16H11N | 000243-28-7 | 38 |
| 3 | Naphtho[2,1,8,7-klmn]xanthene | 242 | C18H10O | 000191-37-7 | 38 |
| 4 | 7H-Benzo[c]carbazole | 217 | C16H11N | 000205-25-4 | 38 |
| 5 | 11H-Benzo[a]carbazole | 217 | C16H11N | 000239-01-0 | 38 |

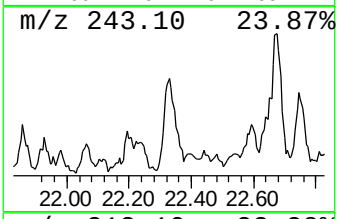


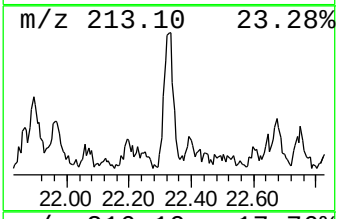



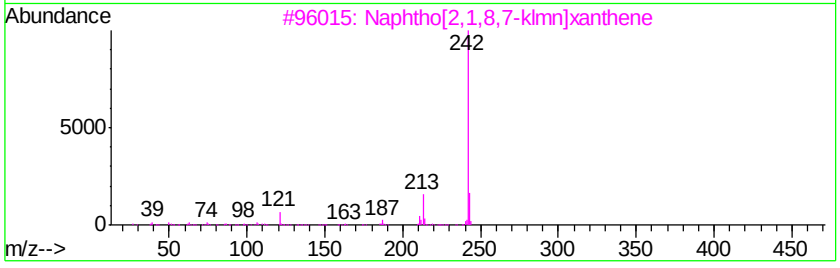



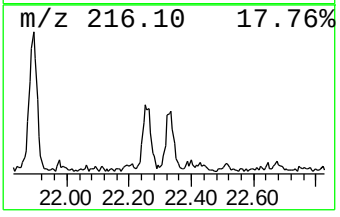



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Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

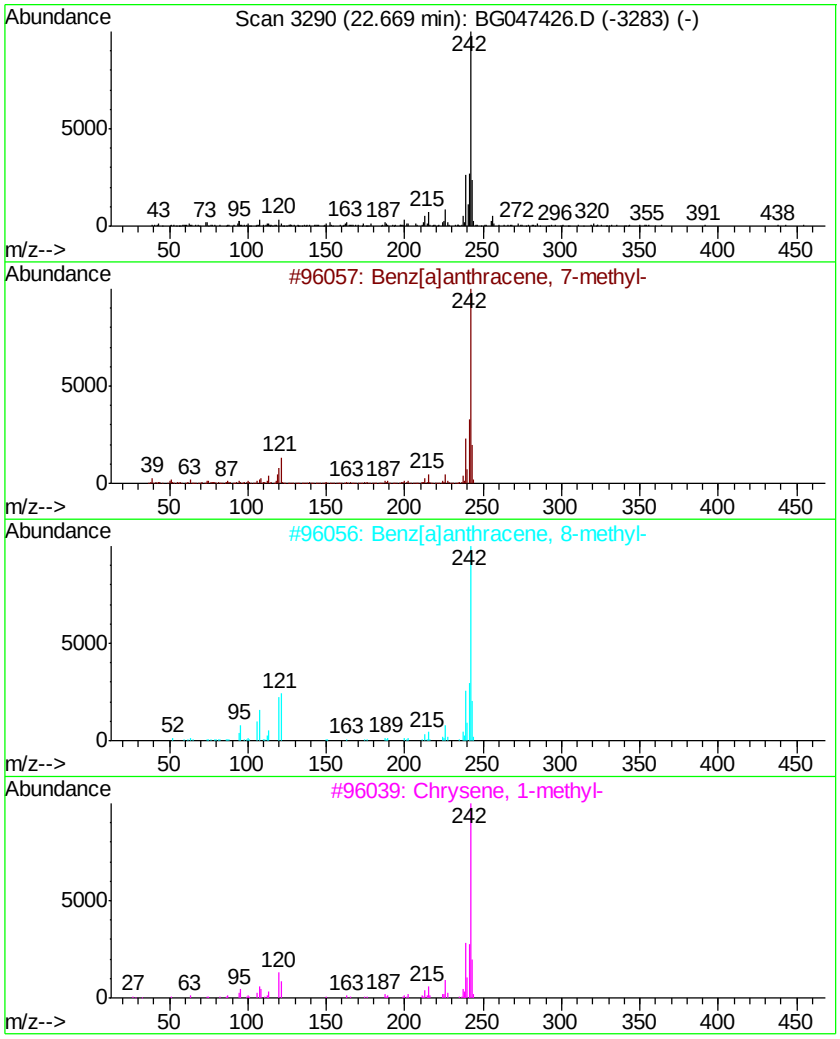
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

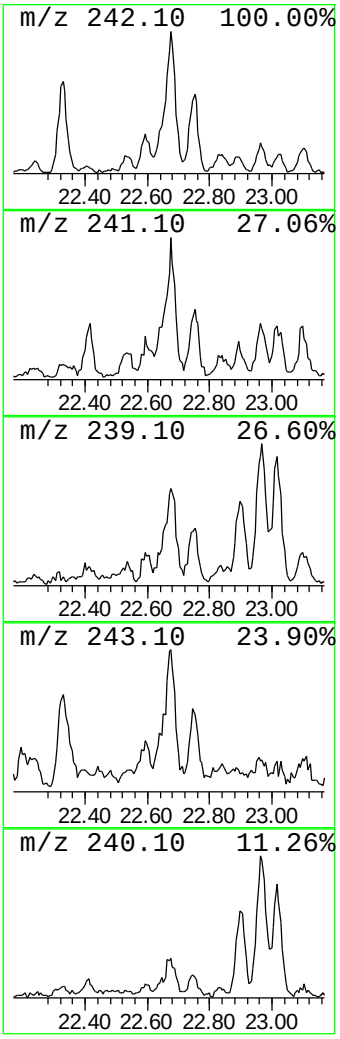
**********

Peak Number 24 Benz[a]anthracene, 7-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.67 | 2.28 ng/ul | 430739 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 93 |
| 2 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 90 |
| 3 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 90 |
| 4 | 1H-Benz[f]indene, 2-phenyl- | 242 | C19H14 | 1000305-22-4 | 90 |
| 5 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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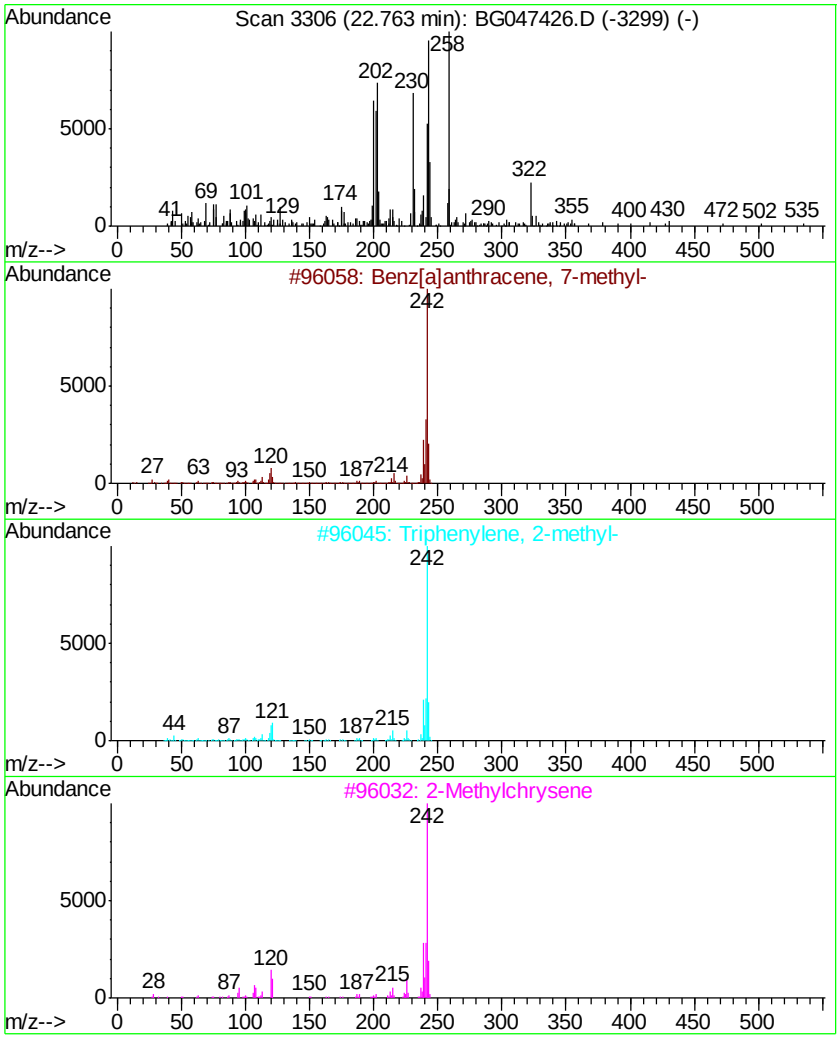
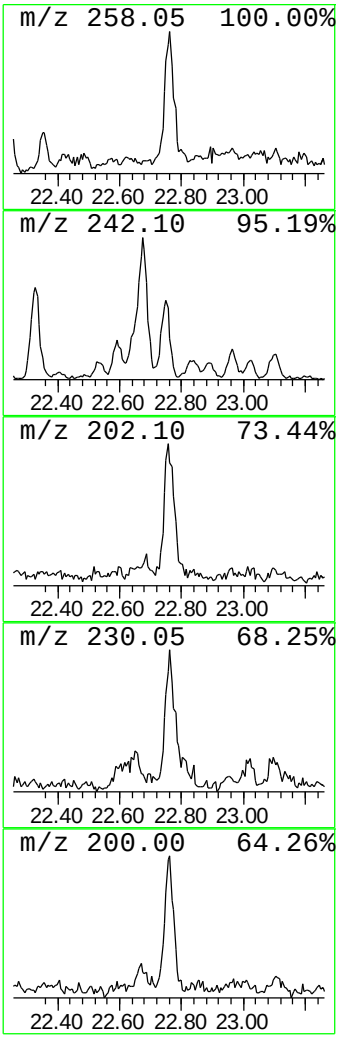
Peak Number 25 unknown-03 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.76 | 2.07 ng/ul | 390588 | Chrysene-d12 | 21.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 38 |
| 2 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 38 |
| 3 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 38 |
| 4 | 1H-Benz[f]indene, 2-phenyl- | 242 | C19H14 | 1000305-22-4 | 38 |
| 5 | Benz[a]anthracene, 5-methyl- | 242 | C19H14 | 002319-96-2 | 30 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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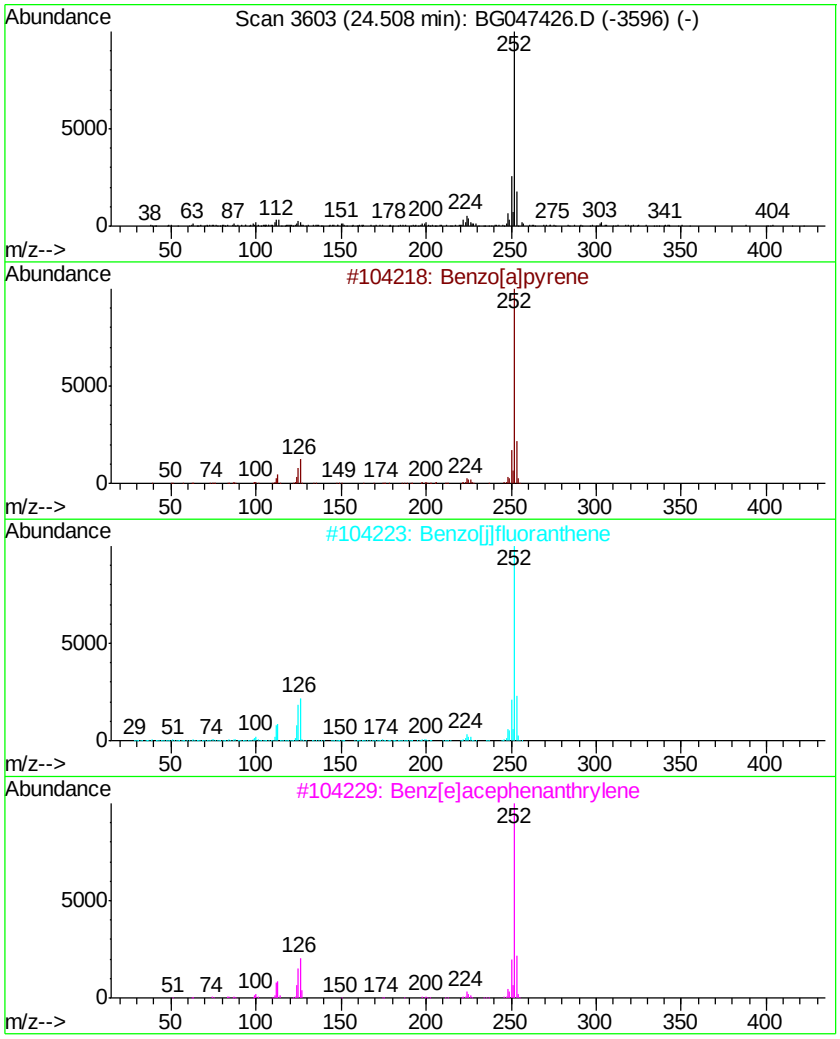
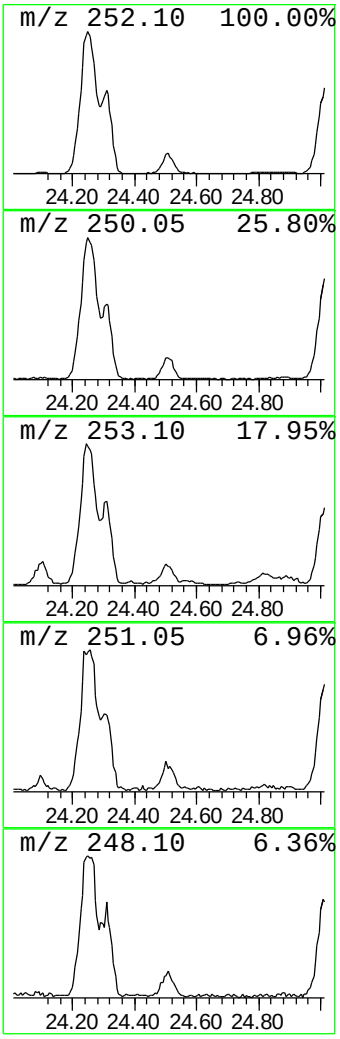
Peak Number 26 Benzo[j]fluoranthene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.51 | 10.11 ng/ul | 352094 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 74 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 68 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 68 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 68 |
| 5 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 68 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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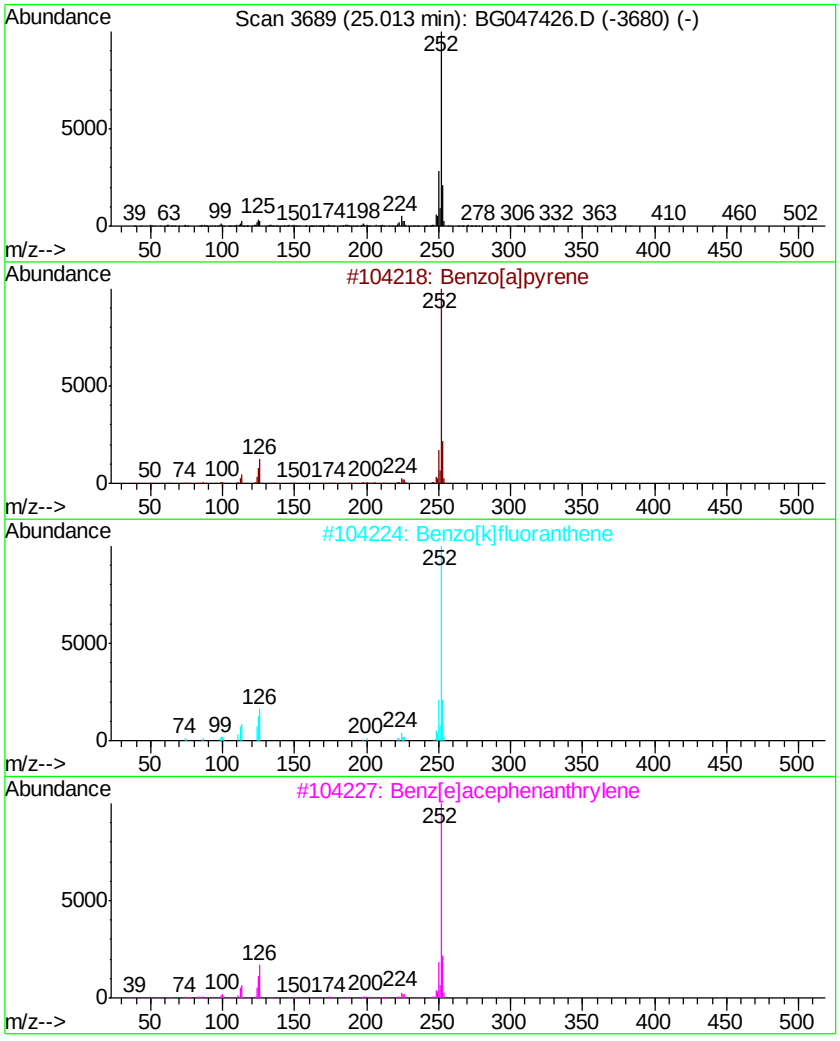
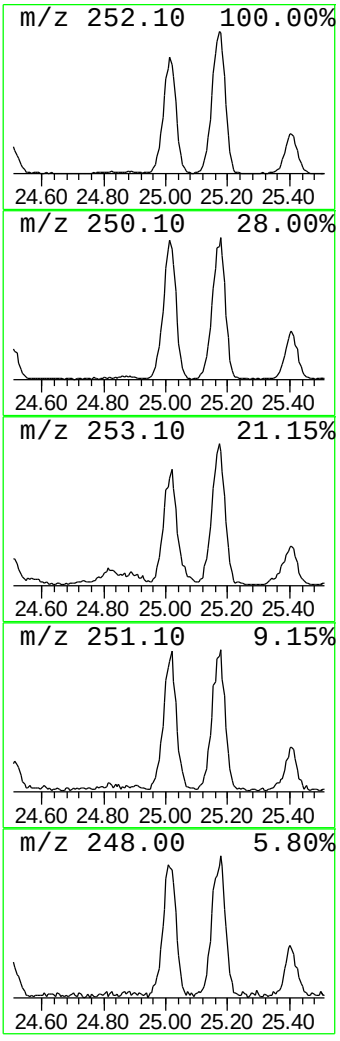
Peak Number 27 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.01 | 47.00 ng/ul | 1636200 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 87 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 5 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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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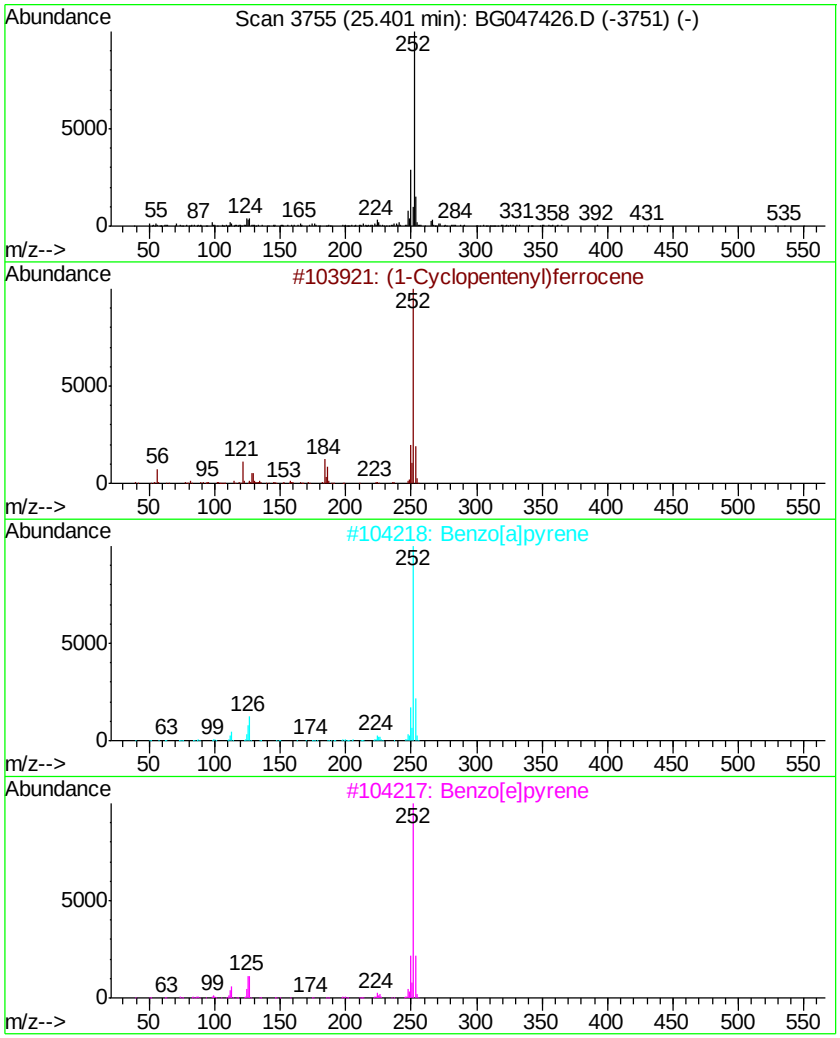
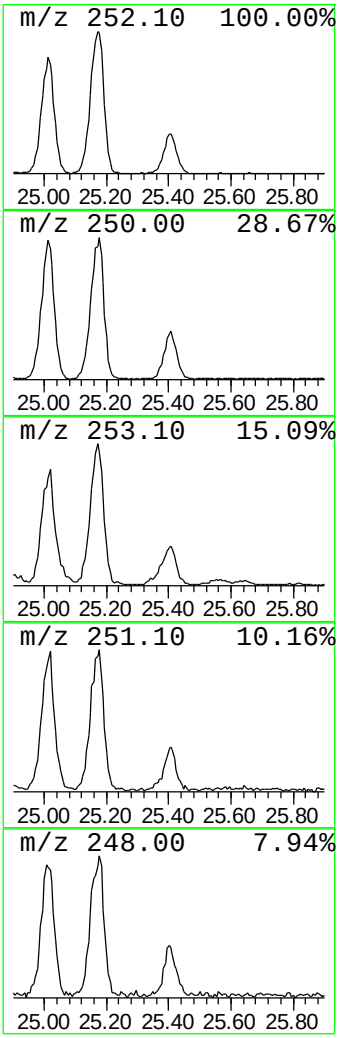
Peak Number 28 (1-Cyclopentenyl)ferrocene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.40 | 20.65 ng/ul | 718818 | Perylene-d12 | 25.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1-Cyclopentenyl)ferrocene | 252 | C15H16Fe | 012260-67-2 | 64 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 62 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 58 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 53 |
| 5 | 4-(1-Oxo-1,3-dihydro-isoindol-2-... | 252 | C15H12N2O2 | 1000295-93-9 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047426.D
Acq On : 24 Nov 2020 00:25
Operator : CG/JU
Sample : L4749-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0B71

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Methacrylamide | 4.15 | 2.8 | ng/ul | 48549 | 1 | 8.27 | 343458 | 20.0 |
| 9H-Fluoren-9-one | 17.27 | 2.2 | ng/ul | 75282 | 4 | 17.62 | 690509 | 20.0 |
| Dibenzothiophene | 17.44 | 3.0 | ng/ul | 103626 | 4 | 17.62 | 690509 | 20.0 |
| Phenanthrene, 1-m... | 18.49 | 6.6 | ng/ul | 226936 | 4 | 17.62 | 690509 | 20.0 |
| Anthracene, 9-met... | 18.54 | 9.3 | ng/ul | 321396 | 4 | 17.62 | 690509 | 20.0 |
| 1H-Cyclopropa[l]p... | 18.61 | 2.9 | ng/ul | 99305 | 4 | 17.62 | 690509 | 20.0 |
| 4H-Cyclopenta[def... | 18.69 | 14.3 | ng/ul | 494356 | 4 | 17.62 | 690509 | 20.0 |
| 5,16[1',2']:8,13[... | 18.98 | 7.5 | ng/ul | 259689 | 4 | 17.62 | 690509 | 20.0 |
| 9,10-Anthracenedione | 19.02 | 13.1 | ng/ul | 450729 | 4 | 17.62 | 690509 | 20.0 |
| 9,10-Dimethylanth... | 19.39 | 5.7 | ng/ul | 197686 | 4 | 17.62 | 690509 | 20.0 |
| Cyclopenta(def)ph... | 19.53 | 6.5 | ng/ul | 224815 | 4 | 17.62 | 690509 | 20.0 |
| 4-Azapyrene | 19.75 | 2.3 | ng/ul | 80804 | 4 | 17.62 | 690509 | 20.0 |
| Pyrene, 1-methyl- | 20.34 | 2.4 | ng/ul | 447557 | 5 | 21.91 | 3780290 | 20.0 |
| 11H-Benzo[a]fluorene | 20.49 | 4.3 | ng/ul | 817289 | 5 | 21.91 | 3780290 | 20.0 |
| Fluoranthene, 2-m... | 20.59 | 2.1 | ng/ul | 389332 | 5 | 21.91 | 3780290 | 20.0 |
| Pyrene, 2-methyl- | 20.65 | 2.2 | ng/ul | 420118 | 5 | 21.91 | 3780290 | 20.0 |
| 11H-Benzo[a]fluor... | 21.27 | 2.5 | ng/ul | 464762 | 5 | 21.91 | 3780290 | 20.0 |
| Benzo[b]naphtho[2... | 21.47 | 4.3 | ng/ul | 806678 | 5 | 21.91 | 3780290 | 20.0 |
| Cyclopenta(cd)pyr... | 21.51 | 2.7 | ng/ul | 503551 | 5 | 21.91 | 3780290 | 20.0 |
| unknown-01 | 21.56 | 2.8 | ng/ul | 536142 | 5 | 21.91 | 3780290 | 20.0 |
| 7H-Benz[de]anthra... | 21.62 | 3.1 | ng/ul | 592549 | 5 | 21.91 | 3780290 | 20.0 |
| 4H-3,1-Benzoxazin... | 22.12 | 2.4 | ng/ul | 447235 | 5 | 21.91 | 3780290 | 20.0 |
| unknown-02 | 22.33 | 2.2 | ng/ul | 415224 | 5 | 21.91 | 3780290 | 20.0 |
| Benz[a]anthracene... | 22.67 | 2.3 | ng/ul | 430739 | 5 | 21.91 | 3780290 | 20.0 |
| unknown-03 | 22.76 | 2.1 | ng/ul | 390588 | 5 | 21.91 | 3780290 | 20.0 |
| Benzo[j]fluoranthene | 24.51 | 10.1 | ng/ul | 352094 | 6 | 25.32 | 696253 | 20.0 |
| Benzo[e]pyrene | 25.01 | 47.0 | ng/ul | 1636200 | 6 | 25.32 | 696253 | 20.0 |
| (1-Cyclopentenyl)... | 25.40 | 20.6 | ng/ul | 718818 | 6 | 25.32 | 696253 | 20.0 |