LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.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 | 3.981 | 164 | 169 | 173 | rBV2 | 822 | 1196 | 0.22% | 0.026% |
| 2 | 4.122 | 191 | 193 | 199 | rVB2 | 314 | 545 | 0.10% | 0.012% |
| 3 | 7.075 | 691 | 695 | 699 | rBB | 880 | 1206 | 0.22% | 0.026% |
| 4 | 7.228 | 718 | 721 | 726 | rBB | 1485 | 2123 | 0.39% | 0.046% |
| 5 | 7.428 | 752 | 755 | 759 | rBB2 | 1600 | 2157 | 0.40% | 0.047% |
| 6 | 7.898 | 828 | 835 | 843 | rBB | 76712 | 120696 | 22.18% | 2.610% |
| 7 | 8.622 | 955 | 958 | 962 | rBB | 1139 | 1686 | 0.31% | 0.036% |
| 8 | 9.075 | 1031 | 1035 | 1040 | rBB | 1359 | 2195 | 0.40% | 0.047% |
| 9 | 10.339 | 1246 | 1250 | 1253 | rBB | 1508 | 1936 | 0.36% | 0.042% |
| 10 | 10.704 | 1305 | 1312 | 1318 | rBV | 105107 | 165013 | 30.32% | 3.568% |
| 11 | 10.751 | 1318 | 1320 | 1324 | rVB | 758 | 876 | 0.16% | 0.019% |
| 12 | 10.863 | 1334 | 1339 | 1342 | rBB | 669 | 978 | 0.18% | 0.021% |
| 13 | 12.586 | 1629 | 1632 | 1635 | rBB | 1014 | 1045 | 0.19% | 0.023% |
| 14 | 13.863 | 1846 | 1849 | 1853 | rBB | 779 | 1198 | 0.22% | 0.026% |
| 15 | 13.957 | 1861 | 1865 | 1870 | rBV | 3978 | 4930 | 0.91% | 0.107% |
| 16 | 14.239 | 1907 | 1913 | 1916 | rBV | 5011 | 6971 | 1.28% | 0.151% |
| 17 | 14.269 | 1916 | 1918 | 1924 | rVB | 3246 | 4506 | 0.83% | 0.097% |
| 18 | 14.551 | 1959 | 1966 | 1972 | rBB | 137299 | 198670 | 36.51% | 4.296% |
| 19 | 14.610 | 1973 | 1976 | 1980 | rBB | 2521 | 3061 | 0.56% | 0.066% |
| 20 | 14.945 | 2029 | 2033 | 2037 | rBB | 2726 | 3393 | 0.62% | 0.073% |
| 21 | 15.022 | 2042 | 2046 | 2048 | rBB | 585 | 686 | 0.13% | 0.015% |
| 22 | 15.539 | 2130 | 2134 | 2138 | rVV | 6838 | 8521 | 1.57% | 0.184% |
| 23 | 15.592 | 2138 | 2143 | 2150 | rVB | 4751 | 6311 | 1.16% | 0.136% |
| 24 | 15.886 | 2189 | 2193 | 2196 | rVB | 1760 | 2312 | 0.42% | 0.050% |
| 25 | 16.033 | 2213 | 2218 | 2224 | rVB | 2207 | 3515 | 0.65% | 0.076% |
| 26 | 16.121 | 2229 | 2233 | 2236 | rBV | 862 | 1022 | 0.19% | 0.022% |
| 27 | 16.274 | 2257 | 2259 | 2262 | rBV | 592 | 663 | 0.12% | 0.014% |
| 28 | 16.568 | 2305 | 2309 | 2310 | rBV2 | 544 | 674 | 0.12% | 0.015% |
| 29 | 16.598 | 2310 | 2314 | 2317 | rVV3 | 1452 | 1965 | 0.36% | 0.042% |
| 30 | 16.645 | 2317 | 2322 | 2325 | rVB | 901 | 1169 | 0.21% | 0.025% |
| 31 | 16.816 | 2347 | 2351 | 2355 | rBV | 1835 | 2142 | 0.39% | 0.046% |
| 32 | 16.857 | 2355 | 2358 | 2361 | rVV2 | 1322 | 1411 | 0.26% | 0.031% |
| 33 | 16.945 | 2368 | 2373 | 2377 | rBV | 10944 | 14846 | 2.73% | 0.321% |
| 34 | 17.016 | 2379 | 2385 | 2392 | rVB2 | 2082 | 3480 | 0.64% | 0.075% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.104 | 2396 | 2400 | 2406 | rVB | 5873 | 7965 | 1.46% | 0.172% |
| 36 | 17.286 | 2425 | 2431 | 2434 | rVV | 160000 | 223974 | 41.16% | 4.843% |
| 37 | 17.327 | 2434 | 2438 | 2443 | rVV | 187110 | 248581 | 45.68% | 5.375% |
| 38 | 17.380 | 2443 | 2447 | 2449 | rVV2 | 9723 | 13113 | 2.41% | 0.284% |
| 39 | 17.415 | 2449 | 2453 | 2458 | rVV | 32606 | 43891 | 8.07% | 0.949% |
| 40 | 17.480 | 2458 | 2464 | 2468 | rVB3 | 2390 | 4648 | 0.85% | 0.101% |
| 41 | 17.563 | 2473 | 2478 | 2480 | rVB2 | 667 | 876 | 0.16% | 0.019% |
| 42 | 17.598 | 2480 | 2484 | 2489 | rBV3 | 1354 | 2317 | 0.43% | 0.050% |
| 43 | 17.686 | 2489 | 2499 | 2508 | rBV2 | 20957 | 33954 | 6.24% | 0.734% |
| 44 | 17.798 | 2514 | 2518 | 2521 | rBV | 3494 | 4335 | 0.80% | 0.094% |
| 45 | 17.863 | 2524 | 2529 | 2533 | rBV4 | 5121 | 7469 | 1.37% | 0.162% |
| 46 | 17.962 | 2543 | 2546 | 2549 | rBV | 988 | 1156 | 0.21% | 0.025% |
| 47 | 18.004 | 2549 | 2553 | 2558 | rVB2 | 1557 | 2637 | 0.48% | 0.057% |
| 48 | 18.080 | 2561 | 2566 | 2569 | rVB | 2455 | 2606 | 0.48% | 0.056% |
| 49 | 18.151 | 2572 | 2578 | 2582 | rBV | 28146 | 40290 | 7.40% | 0.871% |
| 50 | 18.198 | 2582 | 2586 | 2593 | rVB | 38723 | 50889 | 9.35% | 1.100% |
| 51 | 18.280 | 2593 | 2600 | 2605 | rBV | 9169 | 13397 | 2.46% | 0.290% |
| 52 | 18.345 | 2605 | 2611 | 2615 | rBV2 | 26962 | 52440 | 9.64% | 1.134% |
| 53 | 18.380 | 2615 | 2617 | 2623 | rVB | 19765 | 24362 | 4.48% | 0.527% |
| 54 | 18.457 | 2626 | 2630 | 2634 | rBV2 | 2568 | 3684 | 0.68% | 0.080% |
| 55 | 18.498 | 2634 | 2637 | 2641 | rBV2 | 3170 | 4343 | 0.80% | 0.094% |
| 56 | 18.545 | 2641 | 2645 | 2649 | rVB5 | 1863 | 2430 | 0.45% | 0.053% |
| 57 | 18.586 | 2649 | 2652 | 2654 | rBV2 | 1070 | 1320 | 0.24% | 0.029% |
| 58 | 18.651 | 2656 | 2663 | 2667 | rBV | 24930 | 31899 | 5.86% | 0.690% |
| 59 | 18.698 | 2667 | 2671 | 2676 | rVB | 28216 | 36970 | 6.79% | 0.799% |
| 60 | 18.768 | 2680 | 2683 | 2686 | rBV2 | 2062 | 2249 | 0.41% | 0.049% |
| 61 | 18.862 | 2696 | 2699 | 2700 | rBV2 | 1582 | 1610 | 0.30% | 0.035% |
| 62 | 18.892 | 2700 | 2704 | 2708 | rBV3 | 5805 | 7824 | 1.44% | 0.169% |
| 63 | 18.945 | 2710 | 2713 | 2716 | rVB2 | 7373 | 7374 | 1.36% | 0.159% |
| 64 | 18.980 | 2716 | 2719 | 2725 | rVB2 | 6162 | 7795 | 1.43% | 0.169% |
| 65 | 19.062 | 2729 | 2733 | 2739 | rBV2 | 15933 | 29445 | 5.41% | 0.637% |
| 66 | 19.127 | 2739 | 2744 | 2746 | rVV4 | 5423 | 8761 | 1.61% | 0.189% |
| 67 | 19.157 | 2746 | 2749 | 2752 | rVB2 | 5974 | 6551 | 1.20% | 0.142% |
| 68 | 19.209 | 2753 | 2758 | 2763 | rBV2 | 24716 | 38284 | 7.04% | 0.828% |
| 69 | 19.327 | 2772 | 2778 | 2783 | rBV | 372712 | 494426 | 90.86% | 10.691% |
| 70 | 19.386 | 2786 | 2788 | 2791 | rBV | 6999 | 8480 | 1.56% | 0.183% |
| 71 | 19.427 | 2792 | 2795 | 2798 | rBV3 | 10771 | 16752 | 3.08% | 0.362% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.474 | 2800 | 2803 | 2805 | rBV3 | 8951 | 12954 | 2.38% | 0.280% |
| 73 | 19.657 | 2830 | 2834 | 2836 | rBV2 | 57797 | 85391 | 15.69% | 1.846% |
| 74 | 19.692 | 2836 | 2840 | 2847 | rVB | 308041 | 415435 | 76.34% | 8.983% |
| 75 | 19.756 | 2848 | 2851 | 2859 | rVB3 | 20278 | 30913 | 5.68% | 0.668% |
| 76 | 19.868 | 2866 | 2870 | 2874 | rVB | 18123 | 24901 | 4.58% | 0.538% |
| 77 | 19.927 | 2876 | 2880 | 2885 | rVB2 | 13231 | 20436 | 3.76% | 0.442% |
| 78 | 20.004 | 2888 | 2893 | 2895 | rBV2 | 20523 | 33787 | 6.21% | 0.731% |
| 79 | 20.062 | 2901 | 2903 | 2904 | rBV2 | 5551 | 4920 | 0.90% | 0.106% |
| 80 | 20.145 | 2911 | 2917 | 2919 | rBV4 | 26592 | 49963 | 9.18% | 1.080% |
| 81 | 20.474 | 2970 | 2973 | 2976 | rBV | 19574 | 27722 | 5.09% | 0.599% |
| 82 | 20.921 | 3045 | 3049 | 3053 | rBV | 63099 | 80012 | 14.70% | 1.730% |
| 83 | 21.080 | 3071 | 3076 | 3080 | rBV2 | 43950 | 78188 | 14.37% | 1.691% |
| 84 | 21.121 | 3080 | 3083 | 3086 | rVV | 32436 | 38601 | 7.09% | 0.835% |
| 85 | 21.162 | 3087 | 3090 | 3094 | rVV2 | 23469 | 36504 | 6.71% | 0.789% |
| 86 | 21.215 | 3095 | 3099 | 3104 | rVB | 47051 | 64020 | 11.76% | 1.384% |
| 87 | 21.427 | 3129 | 3135 | 3139 | rBV3 | 277728 | 544163 | 100.00% | 11.766% |
| 88 | 21.468 | 3139 | 3142 | 3151 | rVB | 177680 | 227174 | 41.75% | 4.912% |
| 89 | 22.997 | 3397 | 3402 | 3407 | rBV | 119319 | 242639 | 44.59% | 5.247% |
| 90 | 23.480 | 3479 | 3484 | 3489 | rBV | 67590 | 113661 | 20.89% | 2.458% |
| 91 | 23.574 | 3495 | 3500 | 3507 | rVB | 96437 | 173965 | 31.97% | 3.762% |
| 92 | 23.674 | 3511 | 3517 | 3522 | rBV2 | 141230 | 257200 | 47.27% | 5.561% |

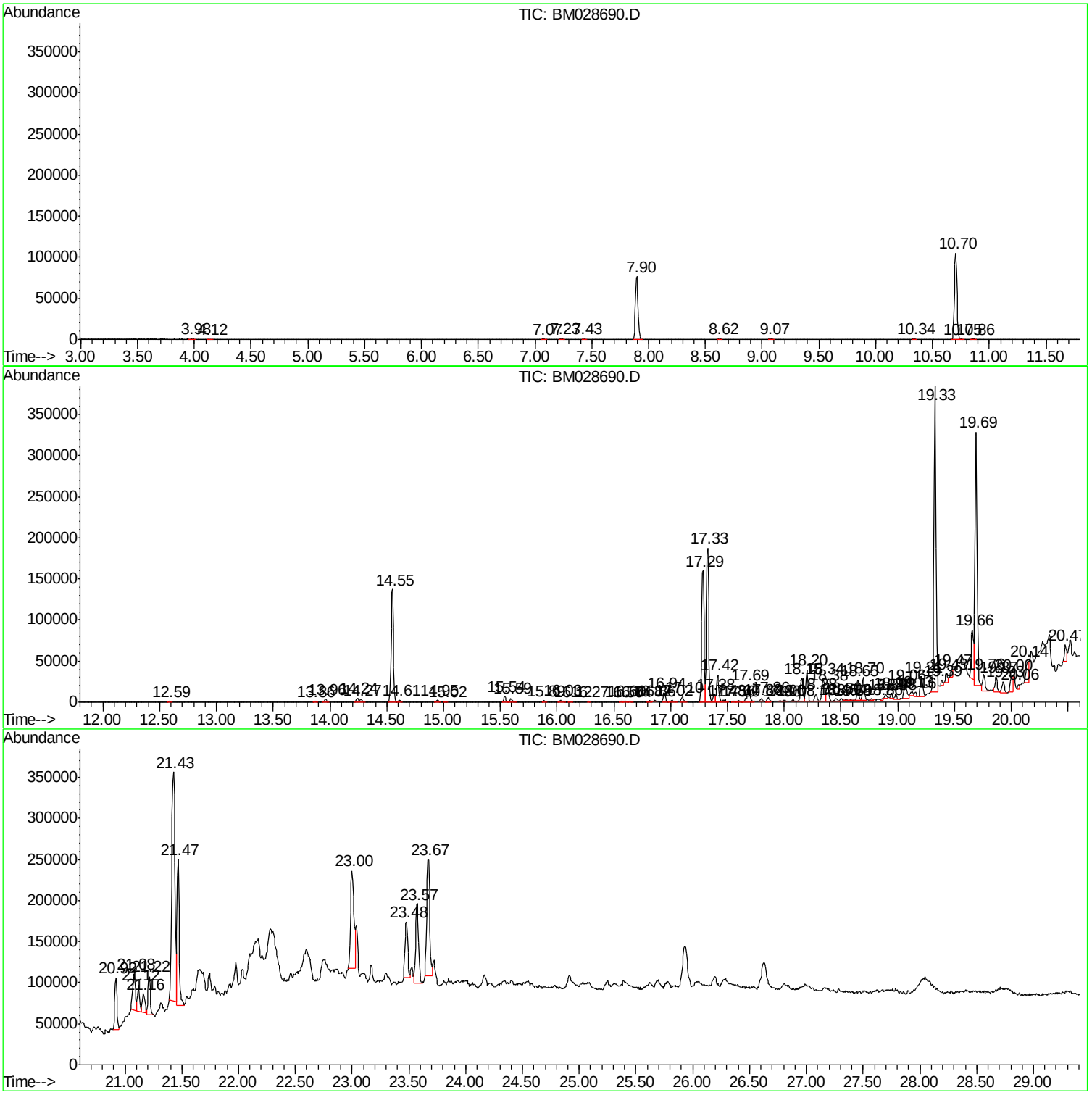
Sum of corrected areas: 4624744

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

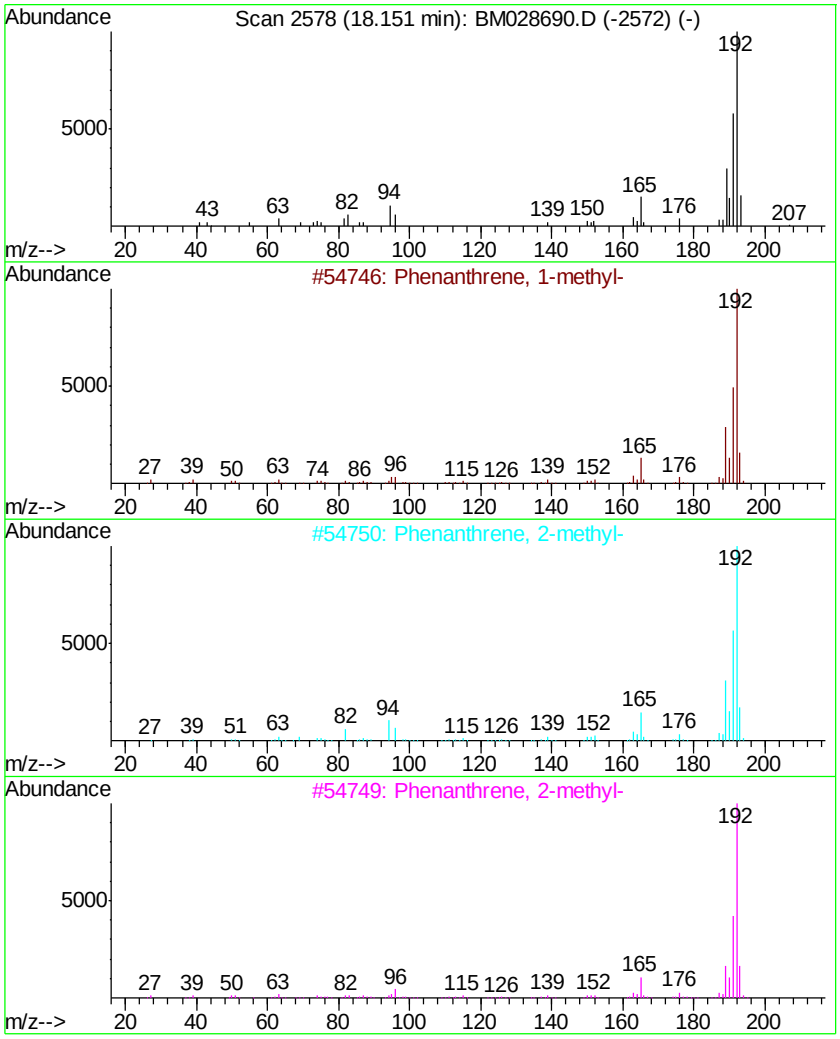
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

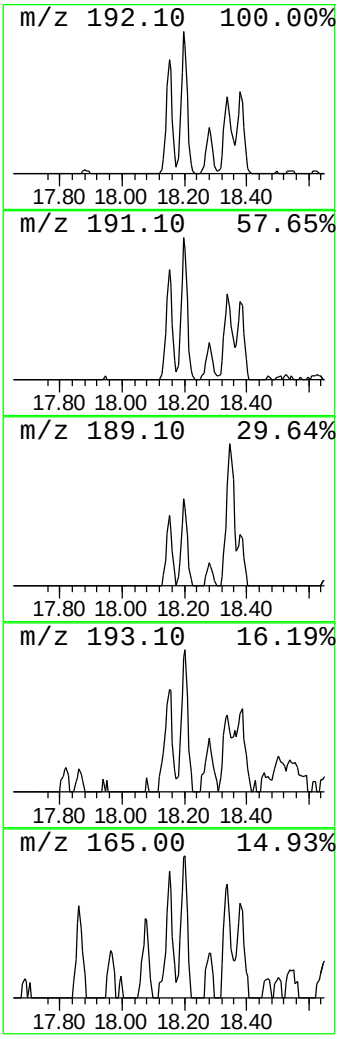
**********

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.15 | 3.60 ng/ul | 40290 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

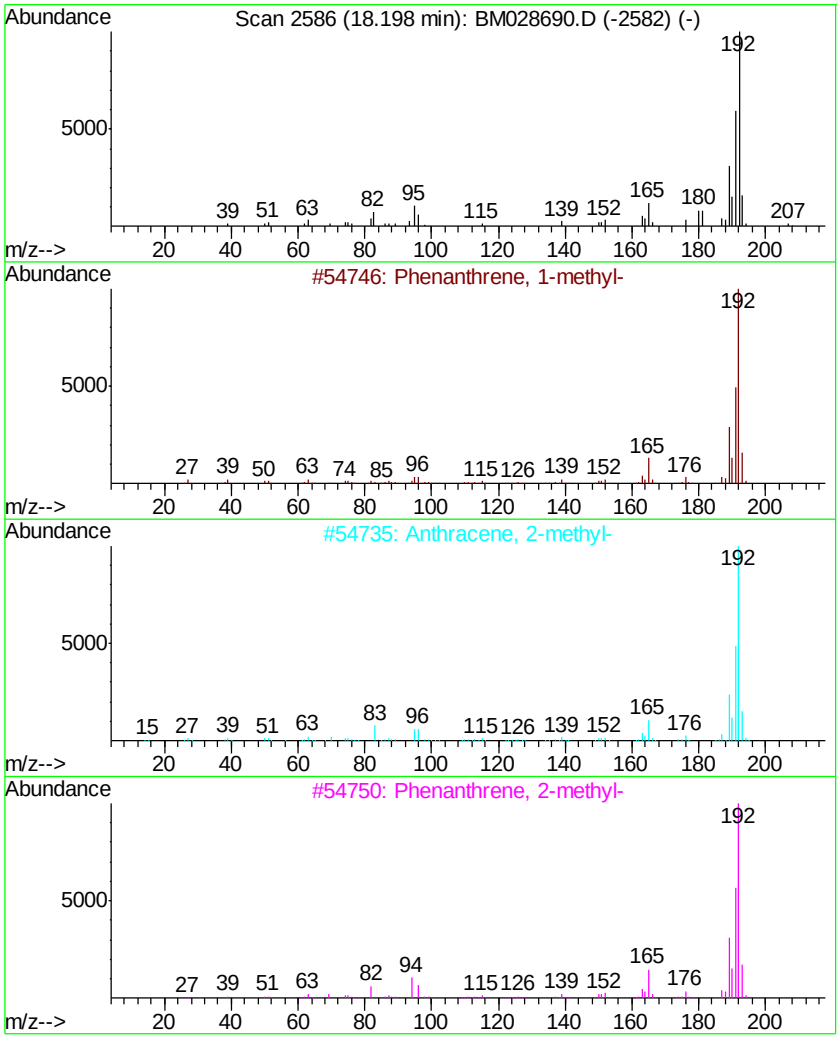
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

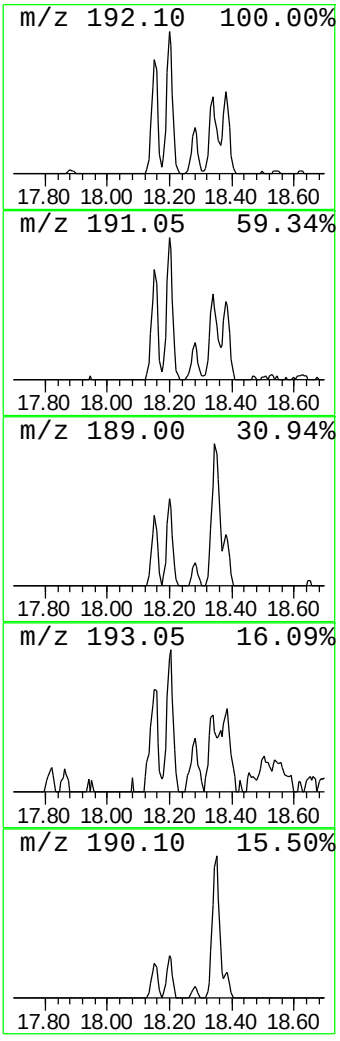
**********

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.20 | 4.54 ng/ul | 50889 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 96 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

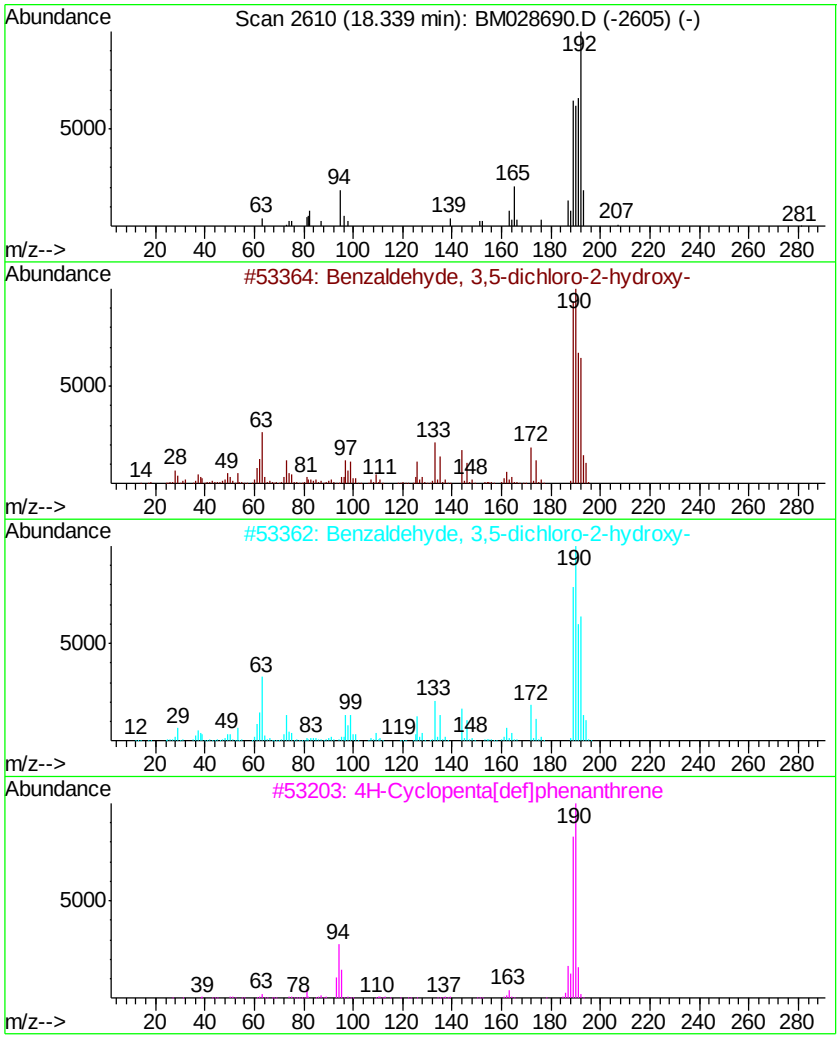
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

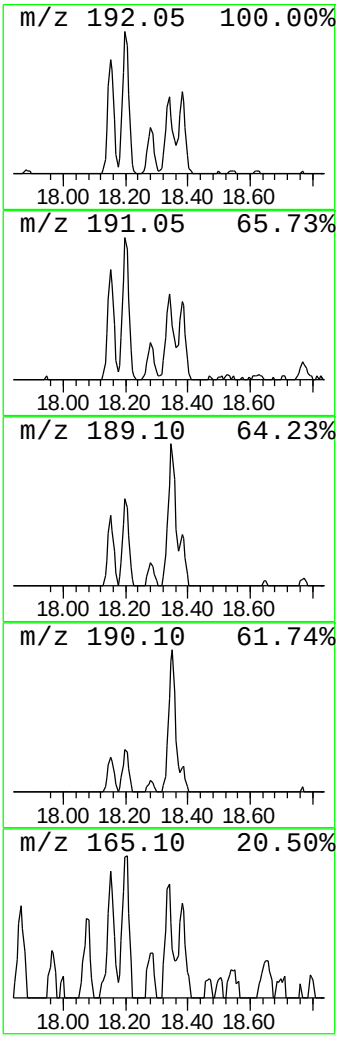
**********

Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 4.68 ng/ul | 52440 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 49 |
| 5 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

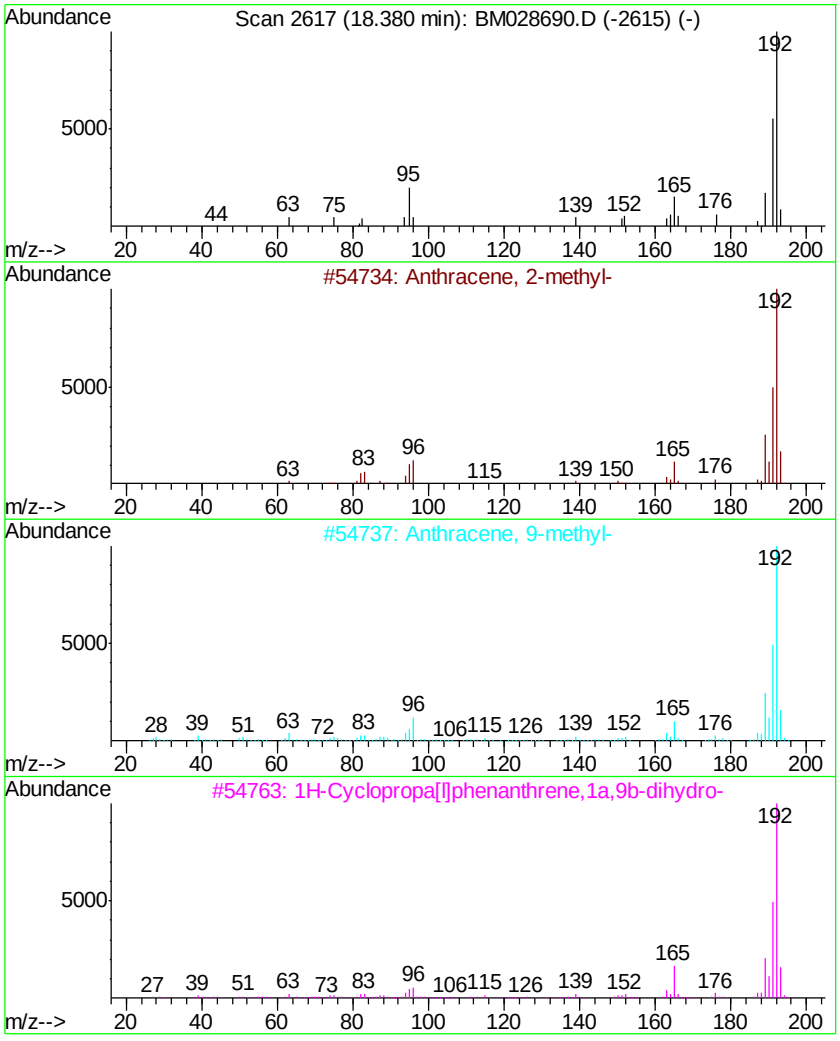
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

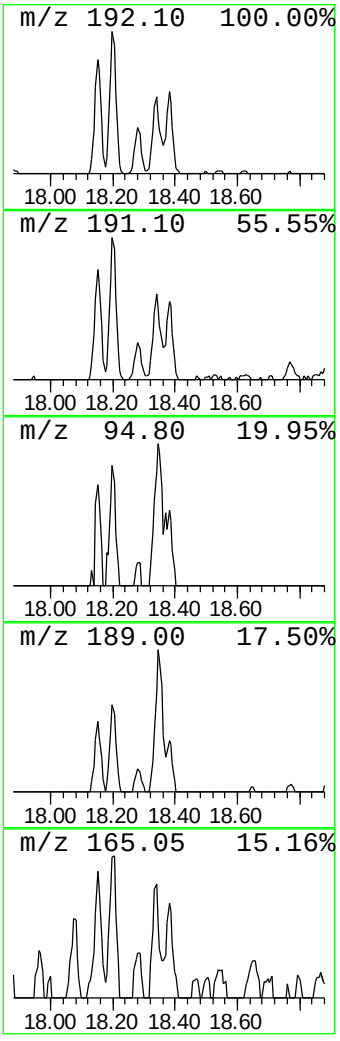
**********

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 2.18 ng/ul | 24362 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 80 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 64 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 64 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 64 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

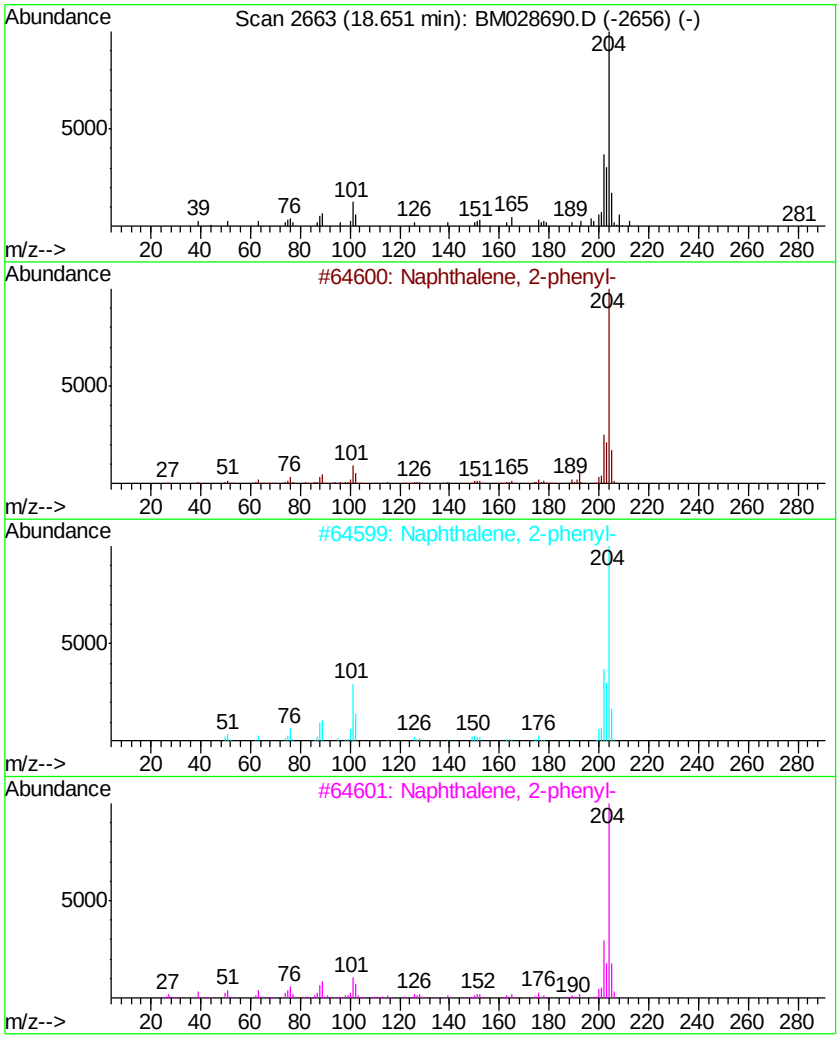
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

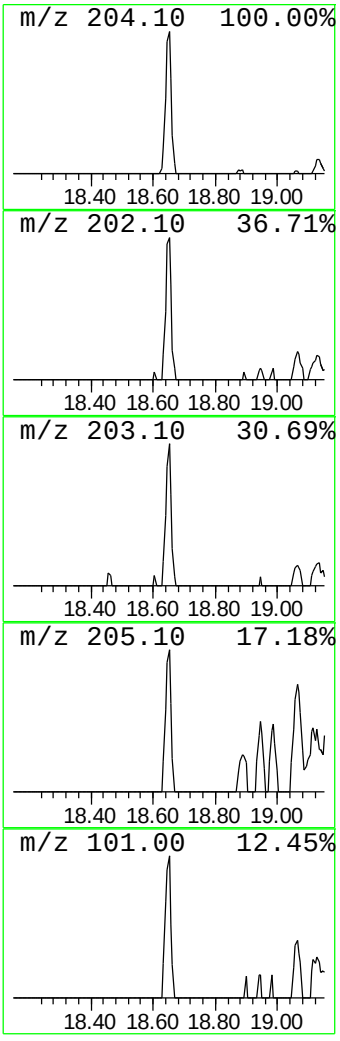
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.65 | 2.85 ng/ul | 31899 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 89 |
| 4 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

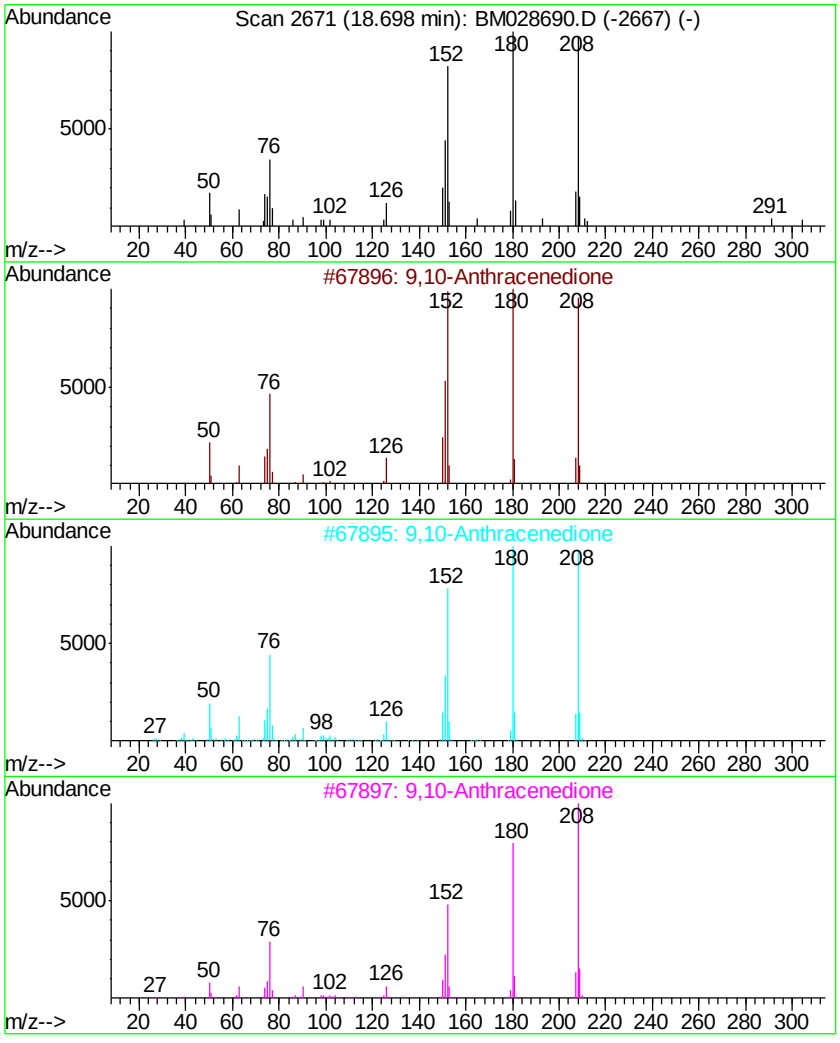
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

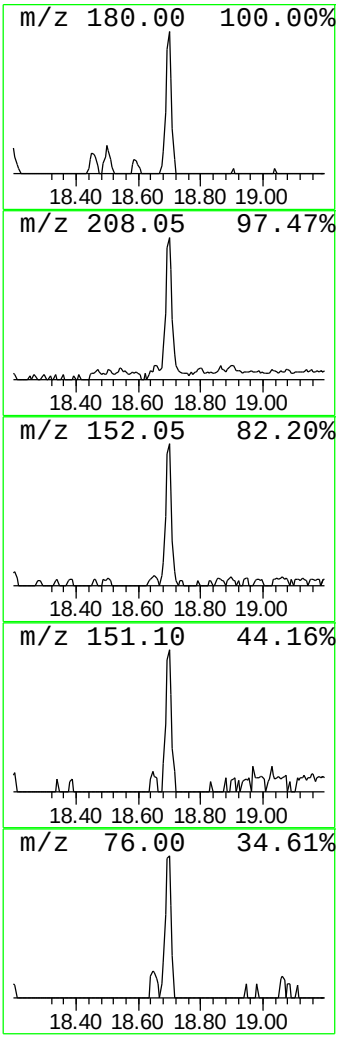
**********

Peak Number 6 9,10-Anthracenedione Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.70 | 3.30 ng/ul | 36970 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 91 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

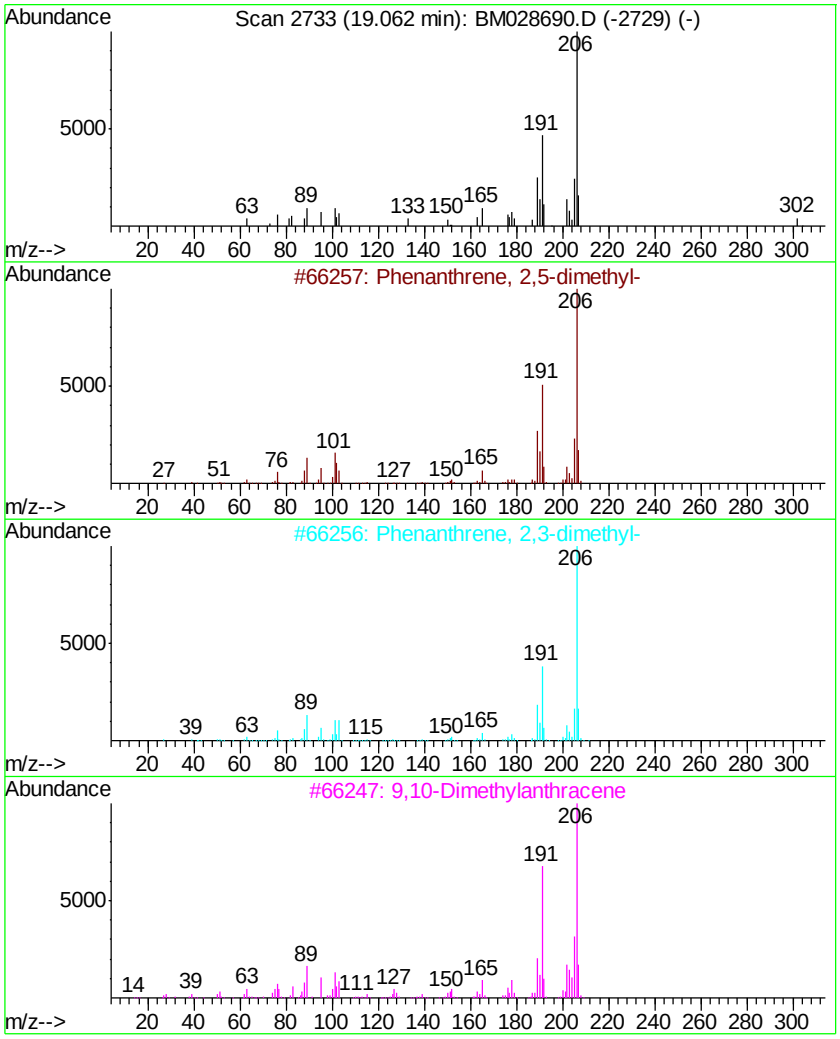
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

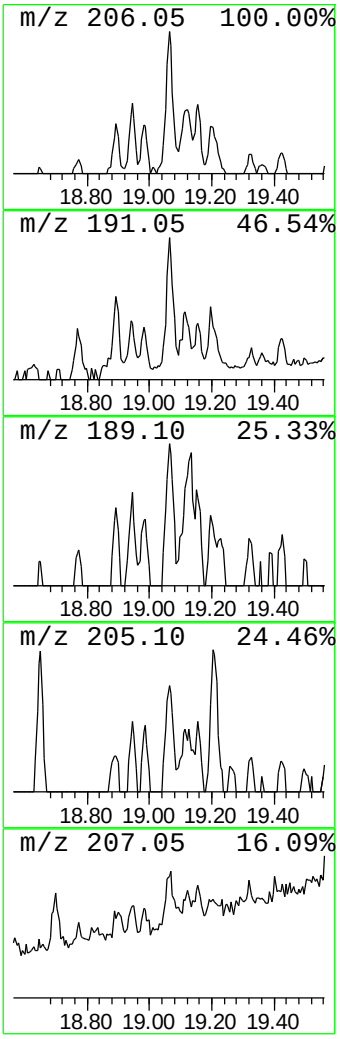
**********

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.06 | 2.63 ng/ul | 29445 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 87 |
| 4 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 83 |
| 5 | 3-Methyl-1-phenyl-1H-indene | 206 | C16H14 | 022360-63-0 | 81 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

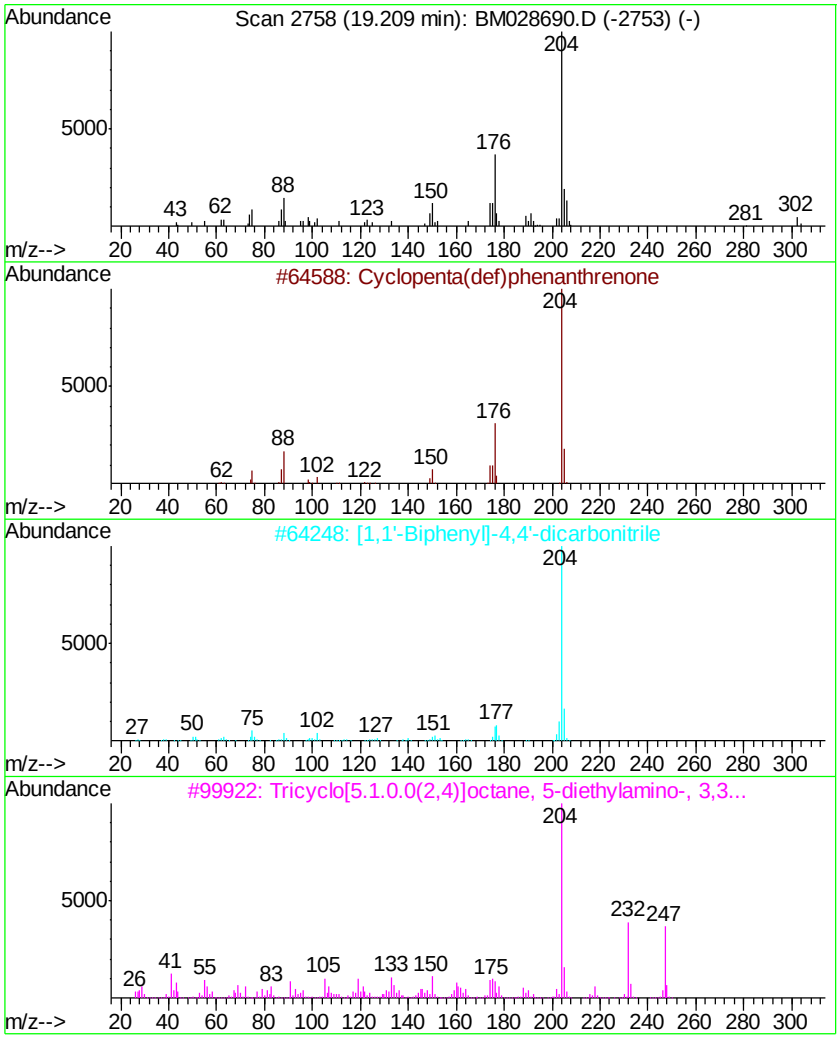
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

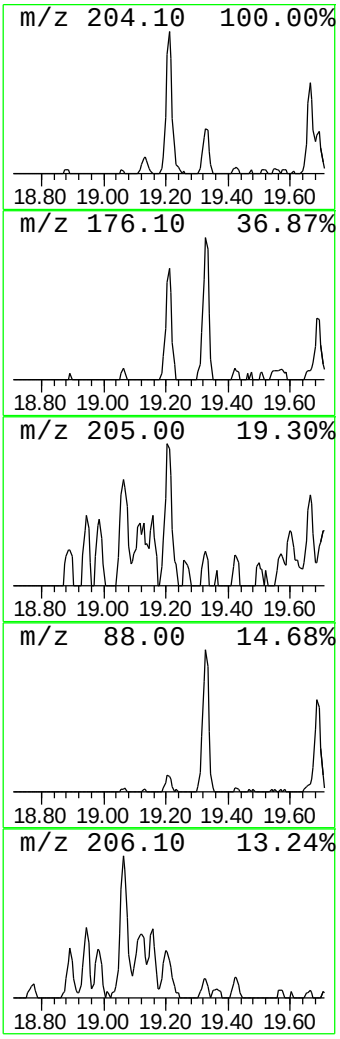
**********

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.21 | 3.42 ng/ul | 38284 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 93 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 64 |
| 3 | Tricyclo[5.1.0.0(2,4)]octane, 5-... | 247 | C17H29N | 1000063-59-3 | 59 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 59 |
| 5 | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330 | C17H15ClN2OS | 1000296-34-3 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

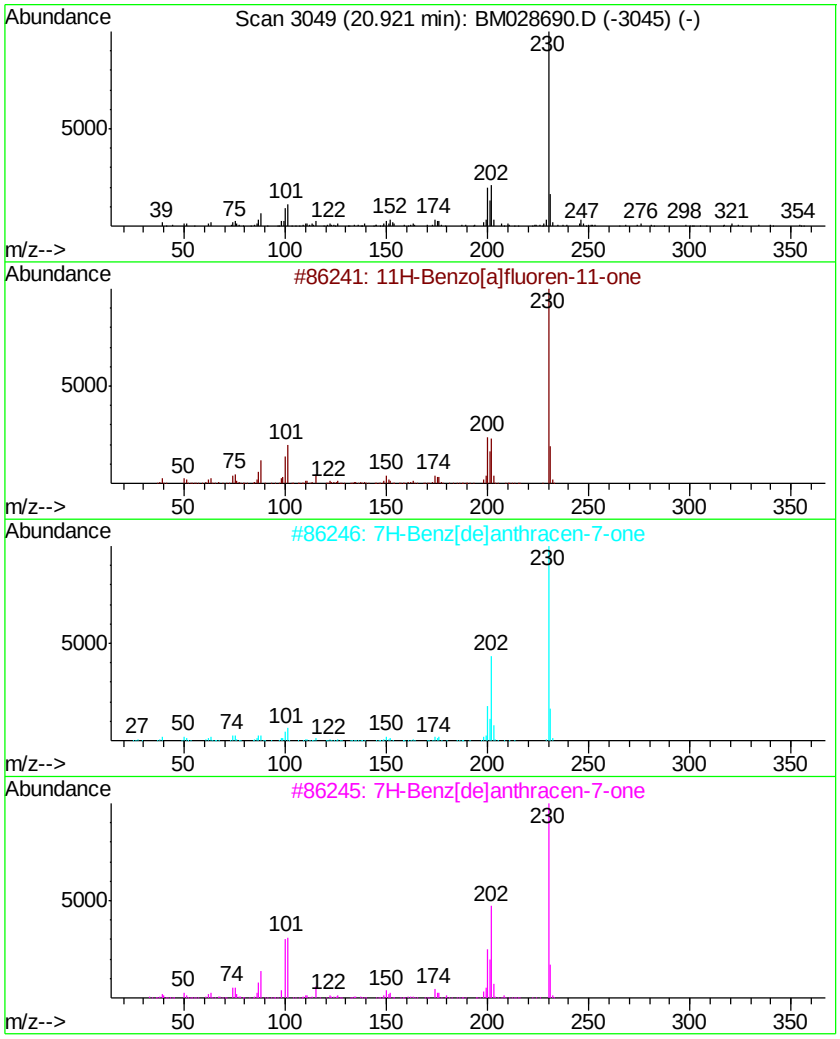
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

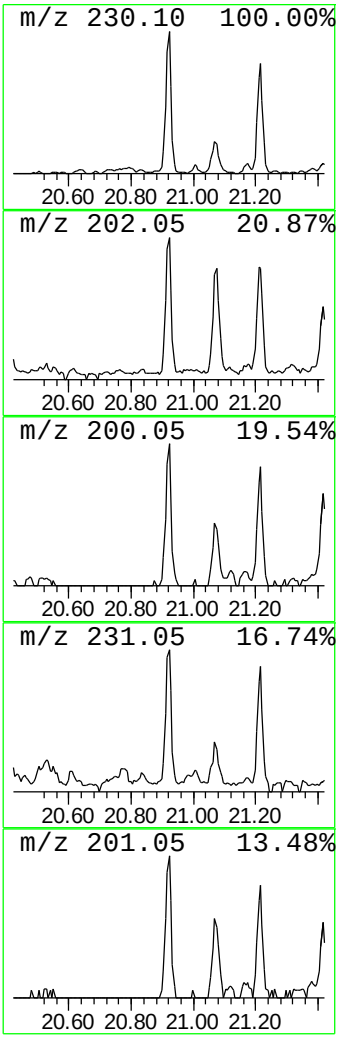
**********

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.92 | 2.94 ng/ul | 80012 | Chrysene-d12 | 21.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 72 |
| 5 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

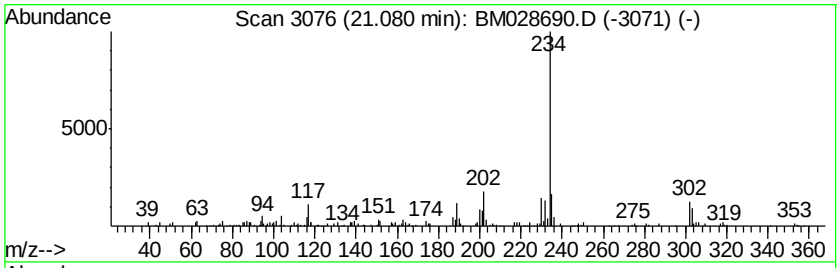
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

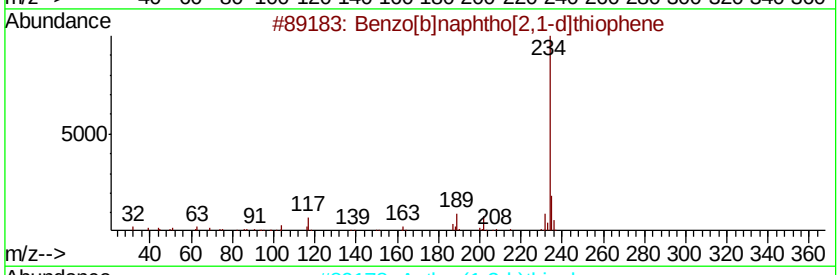
**********

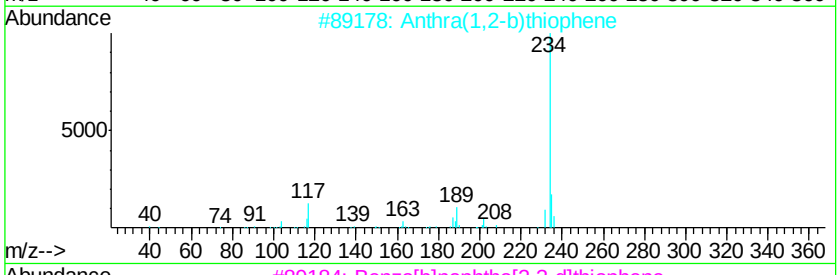
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

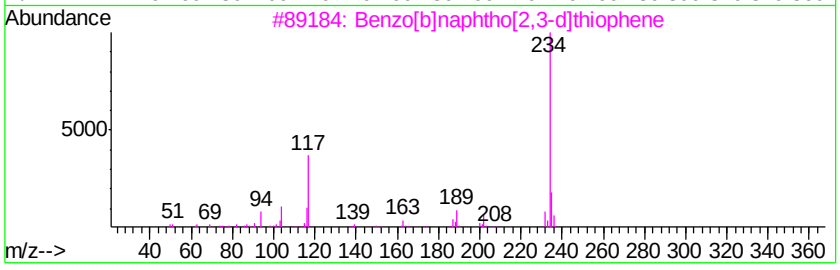
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.08 | 2.87 ng/ul | 78188 | Chrysene-d12 | 21.43 |

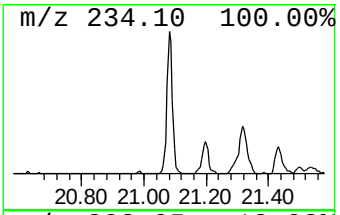
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 94 |
| 2 | Anthra(1,2-b)thiophene | 234 | C16H10S | 000227-86-1 | 89 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 76 |
| 4 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 76 |
| 5 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 76 |

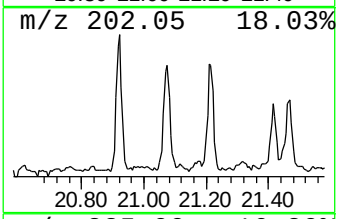


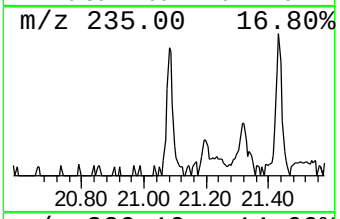



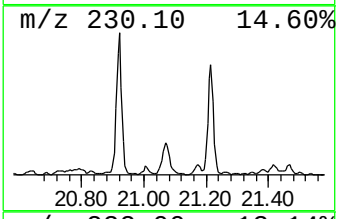



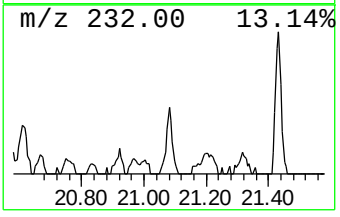



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

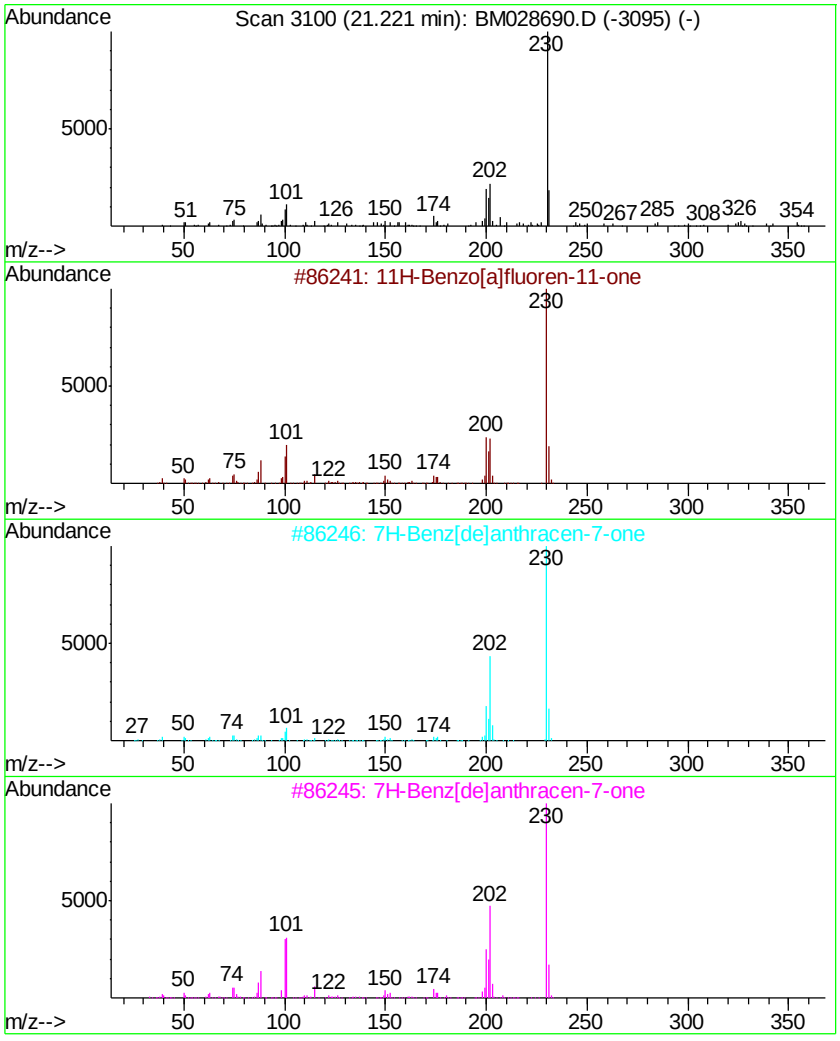
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

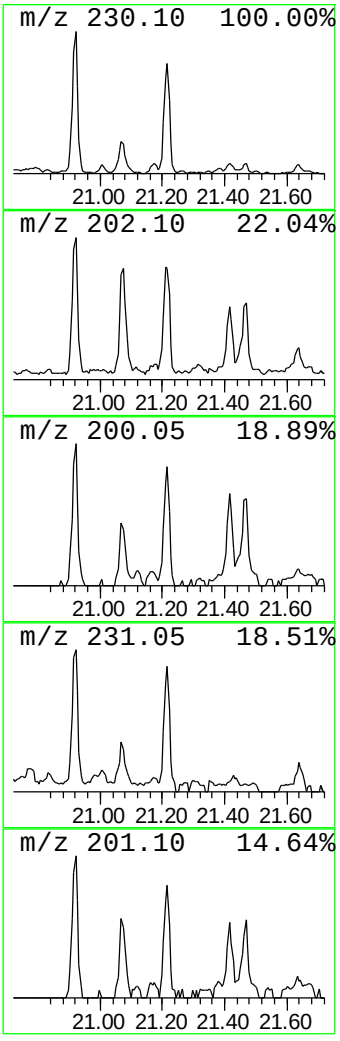
**********

Peak Number 11 7H-Benz[de]anthracen-7-one Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.22 | 2.35 ng/ul | 64020 | Chrysene-d12 | 21.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 97 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 90 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 83 |
| 4 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 72 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM020921\
Data File : BM028690.D
Acq On : 09 Feb 2021 18:29
Operator : CG/JU
Sample : M1310-12DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0A39DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.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 |
| Phenanthrene, 1-m... | 18.15 | 3.6 | ng/ul | 40290 | 4 | 17.29 | 223974 | 20.0 |
| Anthracene, 2-met... | 18.20 | 4.5 | ng/ul | 50889 | 4 | 17.29 | 223974 | 20.0 |
| Benzaldehyde, 3,5... | 18.34 | 4.7 | ng/ul | 52440 | 4 | 17.29 | 223974 | 20.0 |
| Anthracene, 9-met... | 18.38 | 2.2 | ng/ul | 24362 | 4 | 17.29 | 223974 | 20.0 |
| Naphthalene, 2-ph... | 18.65 | 2.9 | ng/ul | 31899 | 4 | 17.29 | 223974 | 20.0 |
| 9,10-Anthracenedione | 18.70 | 3.3 | ng/ul | 36970 | 4 | 17.29 | 223974 | 20.0 |
| Phenanthrene, 2,5... | 19.06 | 2.6 | ng/ul | 29445 | 4 | 17.29 | 223974 | 20.0 |
| Cyclopenta(def)ph... | 19.21 | 3.4 | ng/ul | 38284 | 4 | 17.29 | 223974 | 20.0 |
| 11H-Benzo[a]fluor... | 20.92 | 2.9 | ng/ul | 80012 | 5 | 21.43 | 544163 | 20.0 |
| Benzo[b]naphtho[2... | 21.08 | 2.9 | ng/ul | 78188 | 5 | 21.43 | 544163 | 20.0 |
| 7H-Benz[de]anthra... | 21.22 | 2.4 | ng/ul | 64020 | 5 | 21.43 | 544163 | 20.0 |