LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

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_P\METHODS\SOM-EPA-BP121020MA.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 | 3.840 | 107 | 111 | 120 | rVB | 173112 | 244190 | 1.30% | 0.115% |
| 2 | 6.999 | 642 | 648 | 665 | rVB2 | 540912 | 1029743 | 5.47% | 0.484% |
| 3 | 7.169 | 671 | 677 | 685 | rBV | 402742 | 654018 | 3.47% | 0.308% |
| 4 | 7.369 | 705 | 711 | 718 | rBV | 559960 | 888161 | 4.72% | 0.418% |
| 5 | 7.840 | 784 | 791 | 798 | rVB | 1415021 | 2281383 | 12.12% | 1.073% |
| 6 | 8.540 | 903 | 910 | 917 | rBV | 583733 | 973418 | 5.17% | 0.458% |
| 7 | 8.993 | 980 | 987 | 995 | rVB | 509347 | 867747 | 4.61% | 0.408% |
| 8 | 9.710 | 1103 | 1109 | 1117 | rBV | 408428 | 694558 | 3.69% | 0.327% |
| 9 | 10.252 | 1194 | 1201 | 1213 | rBV | 703464 | 1188450 | 6.31% | 0.559% |
| 10 | 10.634 | 1257 | 1266 | 1272 | rBV | 2036980 | 3503256 | 18.61% | 1.648% |
| 11 | 10.681 | 1272 | 1274 | 1281 | rVB | 163938 | 237295 | 1.26% | 0.112% |
| 12 | 10.763 | 1281 | 1288 | 1301 | rBV | 519888 | 947229 | 5.03% | 0.446% |
| 13 | 12.298 | 1543 | 1549 | 1557 | rVB | 98107 | 155024 | 0.82% | 0.073% |
| 14 | 13.887 | 1810 | 1819 | 1824 | rVV | 1222939 | 1763024 | 9.37% | 0.829% |
| 15 | 13.934 | 1824 | 1827 | 1833 | rVB | 216923 | 283254 | 1.51% | 0.133% |
| 16 | 14.175 | 1857 | 1868 | 1884 | rBV | 1547122 | 2453896 | 13.04% | 1.154% |
| 17 | 14.487 | 1911 | 1921 | 1927 | rVV | 3186231 | 4751738 | 25.25% | 2.235% |
| 18 | 14.545 | 1927 | 1931 | 1939 | rVV | 722965 | 1069365 | 5.68% | 0.503% |
| 19 | 14.681 | 1948 | 1954 | 1965 | rVV | 380383 | 664077 | 3.53% | 0.312% |
| 20 | 14.887 | 1983 | 1989 | 1996 | rVV | 337904 | 533035 | 2.83% | 0.251% |
| 21 | 15.481 | 2083 | 2090 | 2095 | rBV | 1853427 | 2700149 | 14.35% | 1.270% |
| 22 | 15.539 | 2095 | 2100 | 2107 | rVV | 698661 | 1051894 | 5.59% | 0.495% |
| 23 | 15.604 | 2107 | 2111 | 2118 | rVV2 | 146218 | 278189 | 1.48% | 0.131% |
| 24 | 15.704 | 2124 | 2128 | 2132 | rVV2 | 102136 | 176544 | 0.94% | 0.083% |
| 25 | 15.834 | 2146 | 2150 | 2159 | rVB | 156384 | 239521 | 1.27% | 0.113% |
| 26 | 15.981 | 2170 | 2175 | 2183 | rVB | 171495 | 333675 | 1.77% | 0.157% |
| 27 | 16.545 | 2258 | 2271 | 2276 | rBV3 | 142879 | 371041 | 1.97% | 0.175% |
| 28 | 16.781 | 2302 | 2311 | 2314 | rBV3 | 91081 | 195845 | 1.04% | 0.092% |
| 29 | 16.822 | 2314 | 2318 | 2321 | rVV | 120699 | 182527 | 0.97% | 0.086% |
| 30 | 16.898 | 2325 | 2331 | 2338 | rVB | 377726 | 597549 | 3.17% | 0.281% |
| 31 | 16.975 | 2339 | 2344 | 2354 | rBV6 | 113294 | 341728 | 1.82% | 0.161% |
| 32 | 17.063 | 2354 | 2359 | 2368 | rVV | 382331 | 596164 | 3.17% | 0.280% |
| 33 | 17.245 | 2384 | 2390 | 2393 | rBV | 3751333 | 5377126 | 28.57% | 2.529% |
| 34 | 17.286 | 2393 | 2397 | 2402 | rVV | 7529977 | 11405725 | 60.60% | 5.365% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

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_P\METHODS\SOM-EPA-BP121020MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.345 | 2402 | 2407 | 2410 | rVV | 2077536 | 3064440 | 16.28% | 1.441% |
| 36 | 17.381 | 2410 | 2413 | 2418 | rVB | 1479909 | 1966705 | 10.45% | 0.925% |
| 37 | 17.433 | 2418 | 2422 | 2428 | rVB | 182597 | 261411 | 1.39% | 0.123% |
| 38 | 17.645 | 2449 | 2458 | 2463 | rBV2 | 944384 | 1579151 | 8.39% | 0.743% |
| 39 | 17.763 | 2474 | 2478 | 2485 | rBV3 | 130671 | 200044 | 1.06% | 0.094% |
| 40 | 17.828 | 2485 | 2489 | 2498 | rVB2 | 132719 | 213244 | 1.13% | 0.100% |
| 41 | 18.116 | 2532 | 2538 | 2542 | rBV | 835516 | 1225820 | 6.51% | 0.577% |
| 42 | 18.163 | 2542 | 2546 | 2551 | rVB | 1218462 | 1669694 | 8.87% | 0.785% |
| 43 | 18.239 | 2554 | 2559 | 2564 | rVB | 393739 | 534004 | 2.84% | 0.251% |
| 44 | 18.304 | 2564 | 2570 | 2574 | rBV3 | 1585375 | 2694796 | 14.32% | 1.268% |
| 45 | 18.339 | 2574 | 2576 | 2582 | rVB | 563519 | 632910 | 3.36% | 0.298% |
| 46 | 18.404 | 2583 | 2587 | 2591 | rBV2 | 85136 | 163273 | 0.87% | 0.077% |
| 47 | 18.598 | 2615 | 2620 | 2623 | rBV | 809322 | 1016269 | 5.40% | 0.478% |
| 48 | 18.639 | 2623 | 2627 | 2632 | rVB | 971770 | 1353391 | 7.19% | 0.637% |
| 49 | 18.839 | 2657 | 2661 | 2665 | rBV | 193436 | 239428 | 1.27% | 0.113% |
| 50 | 18.886 | 2665 | 2669 | 2672 | rVV2 | 188218 | 230804 | 1.23% | 0.109% |
| 51 | 18.922 | 2672 | 2675 | 2679 | rVB2 | 163990 | 206585 | 1.10% | 0.097% |
| 52 | 19.004 | 2684 | 2689 | 2694 | rBV2 | 448798 | 772325 | 4.10% | 0.363% |
| 53 | 19.069 | 2696 | 2700 | 2703 | rVV2 | 152520 | 192126 | 1.02% | 0.090% |
| 54 | 19.139 | 2708 | 2712 | 2720 | rVB | 512072 | 824678 | 4.38% | 0.388% |
| 55 | 19.263 | 2727 | 2733 | 2739 | rVB | 14161059 | 18820817 | 100.00% | 8.853% |
| 56 | 19.322 | 2739 | 2743 | 2745 | rBV | 158005 | 202011 | 1.07% | 0.095% |
| 57 | 19.357 | 2745 | 2749 | 2753 | rVB | 255398 | 348859 | 1.85% | 0.164% |
| 58 | 19.451 | 2760 | 2765 | 2768 | rBV3 | 216577 | 376889 | 2.00% | 0.177% |
| 59 | 19.498 | 2769 | 2773 | 2776 | rVB | 271227 | 363142 | 1.93% | 0.171% |
| 60 | 19.586 | 2782 | 2788 | 2790 | rBV3 | 5034707 | 7800504 | 41.45% | 3.669% |
| 61 | 19.616 | 2790 | 2793 | 2800 | rVV | 11216048 | 14482989 | 76.95% | 6.812% |
| 62 | 19.680 | 2800 | 2804 | 2811 | rVB2 | 553556 | 825511 | 4.39% | 0.388% |
| 63 | 19.786 | 2818 | 2822 | 2827 | rVB | 734806 | 907704 | 4.82% | 0.427% |
| 64 | 19.845 | 2828 | 2832 | 2837 | rVB | 563883 | 768851 | 4.09% | 0.362% |
| 65 | 19.933 | 2840 | 2847 | 2852 | rBV3 | 764865 | 1951532 | 10.37% | 0.918% |
| 66 | 19.980 | 2852 | 2855 | 2858 | rVB | 194422 | 222945 | 1.18% | 0.105% |
| 67 | 20.063 | 2864 | 2869 | 2870 | rBV3 | 458994 | 666181 | 3.54% | 0.313% |
| 68 | 20.092 | 2870 | 2874 | 2879 | rVB | 1977225 | 2811816 | 14.94% | 1.323% |
| 69 | 20.192 | 2886 | 2891 | 2895 | rBV | 1543329 | 2006064 | 10.66% | 0.944% |
| 70 | 20.251 | 2895 | 2901 | 2904 | rVV2 | 1050543 | 1887664 | 10.03% | 0.888% |
| 71 | 20.286 | 2904 | 2907 | 2911 | rVV | 626306 | 719047 | 3.82% | 0.338% |

LSC Area Percent Report

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Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

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_P\METHODS\SOM-EPA-BP121020MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.327 | 2911 | 2914 | 2919 | rVB4 | 257185 | 347891 | 1.85% | 0.164% |
| 73 | 20.386 | 2920 | 2924 | 2927 | rBV | 508257 | 640917 | 3.41% | 0.301% |
| 74 | 20.433 | 2927 | 2932 | 2936 | rVV2 | 529238 | 734566 | 3.90% | 0.346% |
| 75 | 20.633 | 2963 | 2966 | 2969 | rBV3 | 178067 | 304806 | 1.62% | 0.143% |
| 76 | 20.674 | 2970 | 2973 | 2975 | rVV3 | 197926 | 258141 | 1.37% | 0.121% |
| 77 | 20.786 | 2989 | 2992 | 2995 | rBV4 | 249012 | 400469 | 2.13% | 0.188% |
| 78 | 20.827 | 2995 | 2999 | 3005 | rVB | 1131898 | 1633941 | 8.68% | 0.769% |
| 79 | 20.986 | 3020 | 3026 | 3030 | rBV2 | 1125271 | 2026598 | 10.77% | 0.953% |
| 80 | 21.027 | 3030 | 3033 | 3036 | rVV | 1027763 | 1452270 | 7.72% | 0.683% |
| 81 | 21.069 | 3036 | 3040 | 3044 | rVV2 | 1094010 | 1913887 | 10.17% | 0.900% |
| 82 | 21.116 | 3044 | 3048 | 3054 | rVB2 | 1189818 | 1710721 | 9.09% | 0.805% |
| 83 | 21.327 | 3075 | 3084 | 3089 | rBV3 | 8650512 | 17415778 | 92.53% | 8.192% |
| 84 | 21.374 | 3089 | 3092 | 3102 | rVB | 6218207 | 8332219 | 44.27% | 3.919% |
| 85 | 21.498 | 3109 | 3113 | 3118 | rBV | 1210370 | 1662677 | 8.83% | 0.782% |
| 86 | 21.545 | 3119 | 3121 | 3125 | rBV3 | 223812 | 309349 | 1.64% | 0.146% |
| 87 | 21.657 | 3136 | 3140 | 3145 | rBV2 | 957648 | 1451710 | 7.71% | 0.683% |
| 88 | 21.904 | 3180 | 3182 | 3186 | rVB | 834845 | 1019625 | 5.42% | 0.480% |
| 89 | 21.963 | 3189 | 3192 | 3198 | rVB2 | 615083 | 916321 | 4.87% | 0.431% |
| 90 | 22.069 | 3207 | 3210 | 3214 | rVB3 | 309480 | 392779 | 2.09% | 0.185% |
| 91 | 22.116 | 3214 | 3218 | 3221 | rBV | 518336 | 801077 | 4.26% | 0.377% |
| 92 | 22.216 | 3231 | 3235 | 3245 | rVB3 | 518556 | 907791 | 4.82% | 0.427% |
| 93 | 22.986 | 3360 | 3366 | 3372 | rBV | 4889721 | 11904975 | 63.25% | 5.600% |
| 94 | 23.168 | 3392 | 3397 | 3406 | rVB | 845148 | 1422361 | 7.56% | 0.669% |
| 95 | 23.498 | 3447 | 3453 | 3458 | rBV | 2639708 | 5204403 | 27.65% | 2.448% |
| 96 | 23.551 | 3458 | 3462 | 3465 | rVV | 1281452 | 2228465 | 11.84% | 1.048% |
| 97 | 23.598 | 3465 | 3470 | 3478 | rVB | 4256259 | 8207985 | 43.61% | 3.861% |
| 98 | 23.704 | 3481 | 3488 | 3493 | rBV | 2864998 | 5847035 | 31.07% | 2.750% |
| 99 | 26.133 | 3894 | 3901 | 3914 | rVB2 | 2041108 | 6105847 | 32.44% | 2.872% |
| 100 | 26.880 | 4022 | 4028 | 4048 | rVB | 1118233 | 3812764 | 20.26% | 1.793% |

Sum of corrected areas: 212601530

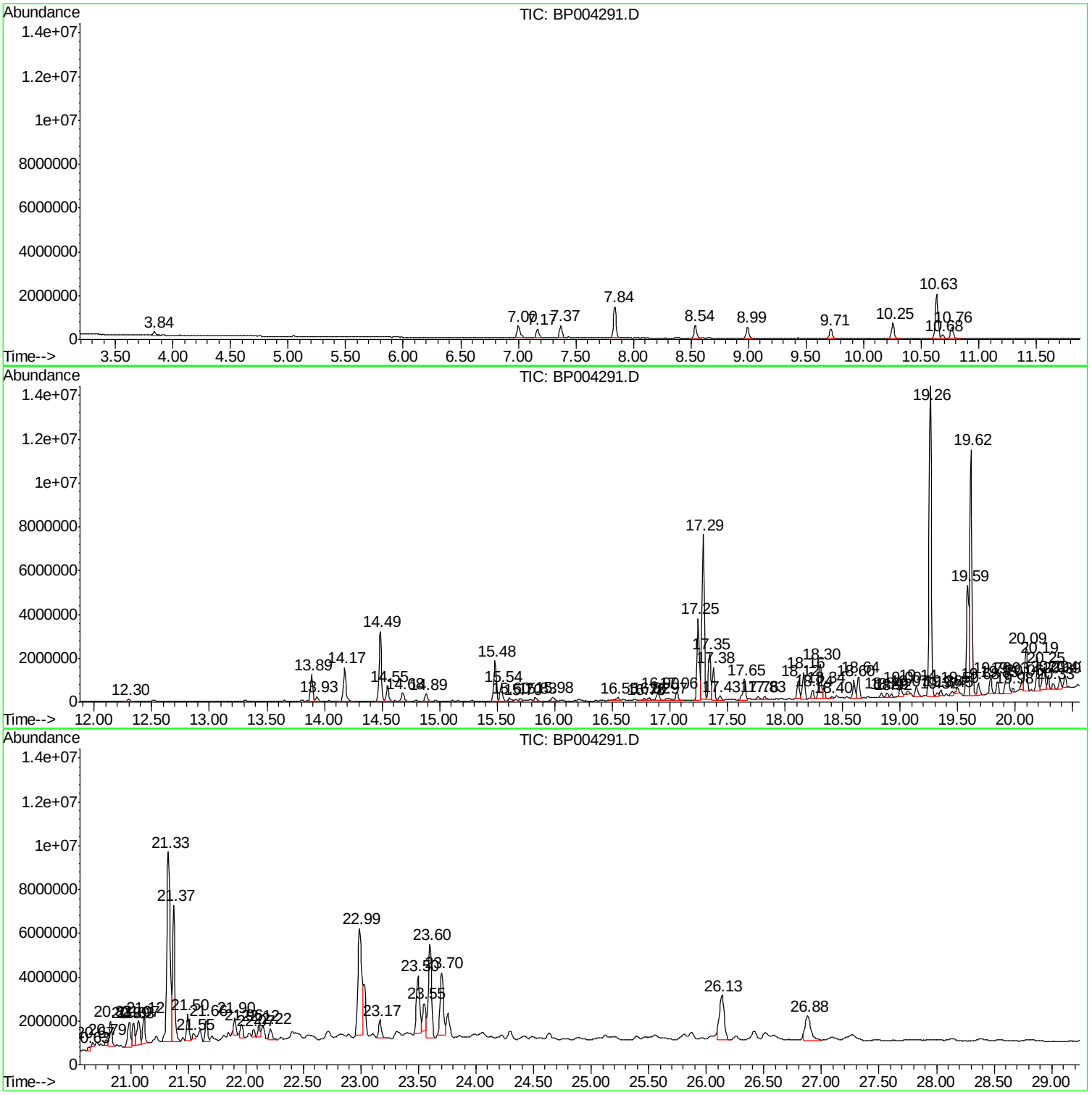
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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 P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

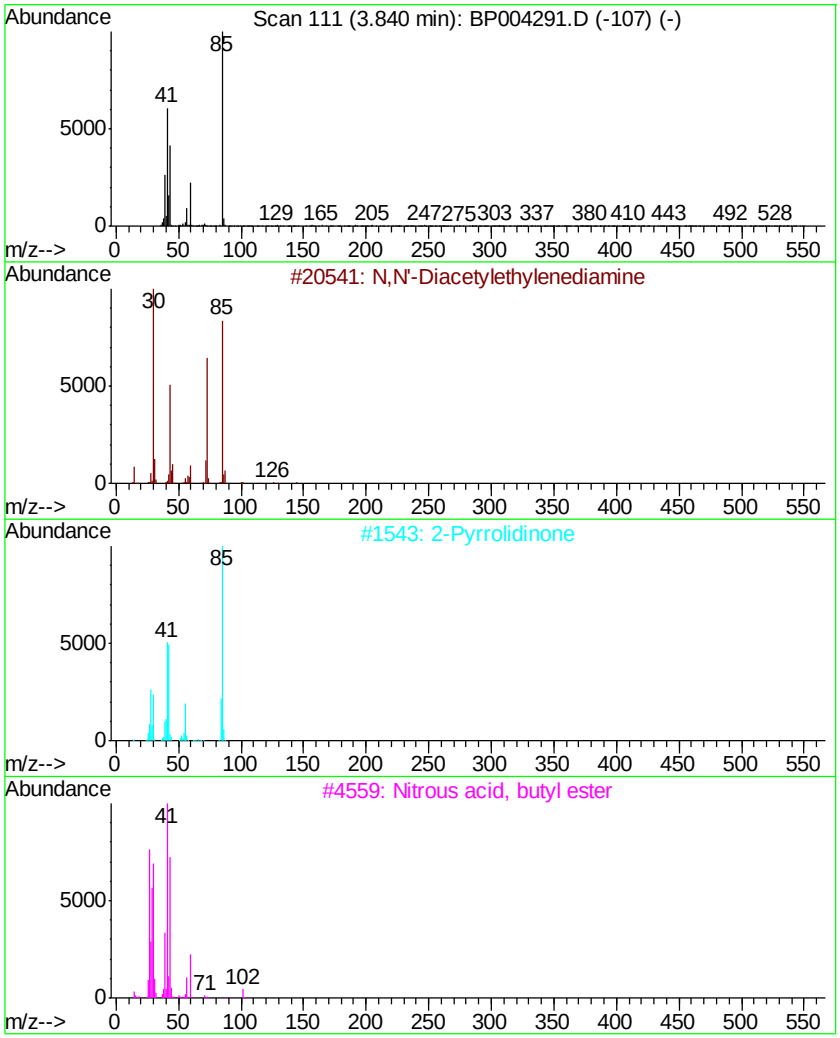
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

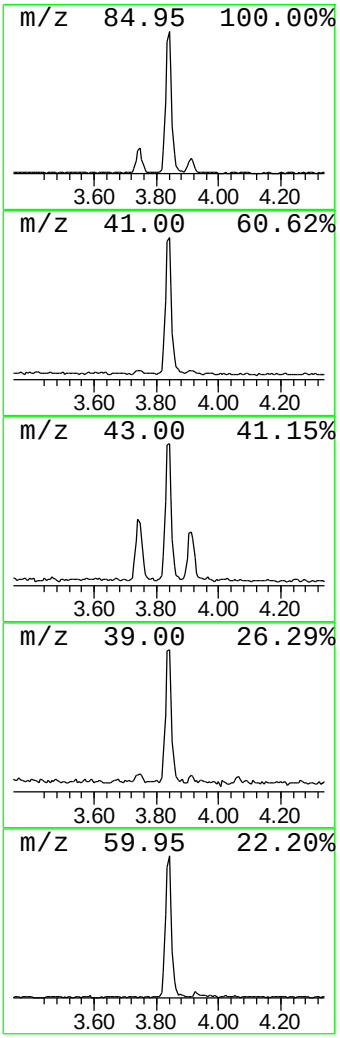
**********

Peak Number 1 unknown-01 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.84 | 2.14 ng/ul | 244190 | 1,4-Dichlorobenzene-d4 | 7.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N,N'-Diacetylethylenediamine | 144 | C6H12N2O2 | 000871-78-3 | 9 |
| 2 | 2-Pyrrolidinone | 85 | C4H7NO | 000616-45-5 | 9 |
| 3 | Nitrous acid, butyl ester | 103 | C4H9NO2 | 000544-16-1 | 9 |
| 4 | 10-(Tetrahydro-pyran-2-yloxy)-tr... | 252 | C15H24O3 | 1000192-28-8 | 9 |
| 5 | 2-Methylbutanoic anhydride | 186 | C10H18O3 | 001468-39-9 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

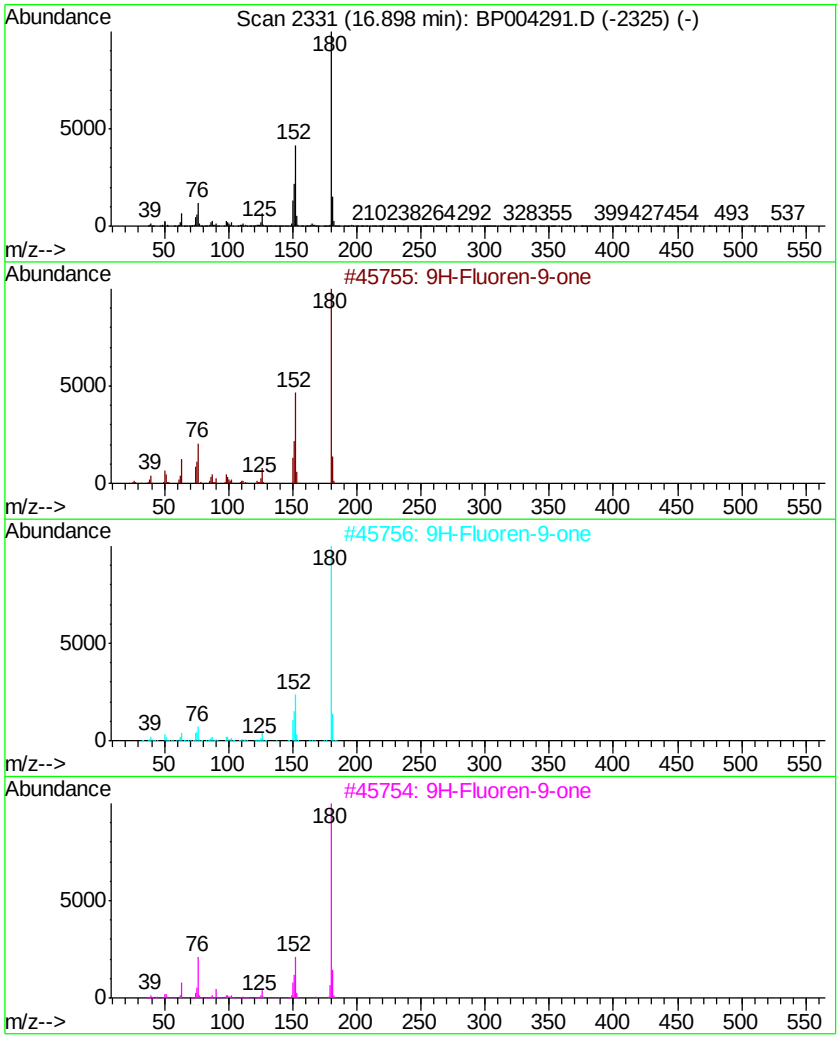
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

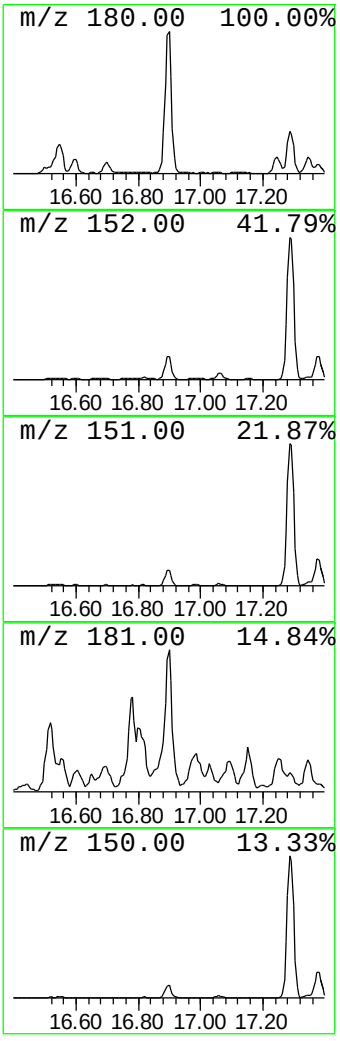
**********

Peak Number 2 9H-Fluoren-9-one Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.90 | 2.22 ng/ul | 597549 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 96 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 95 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 91 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

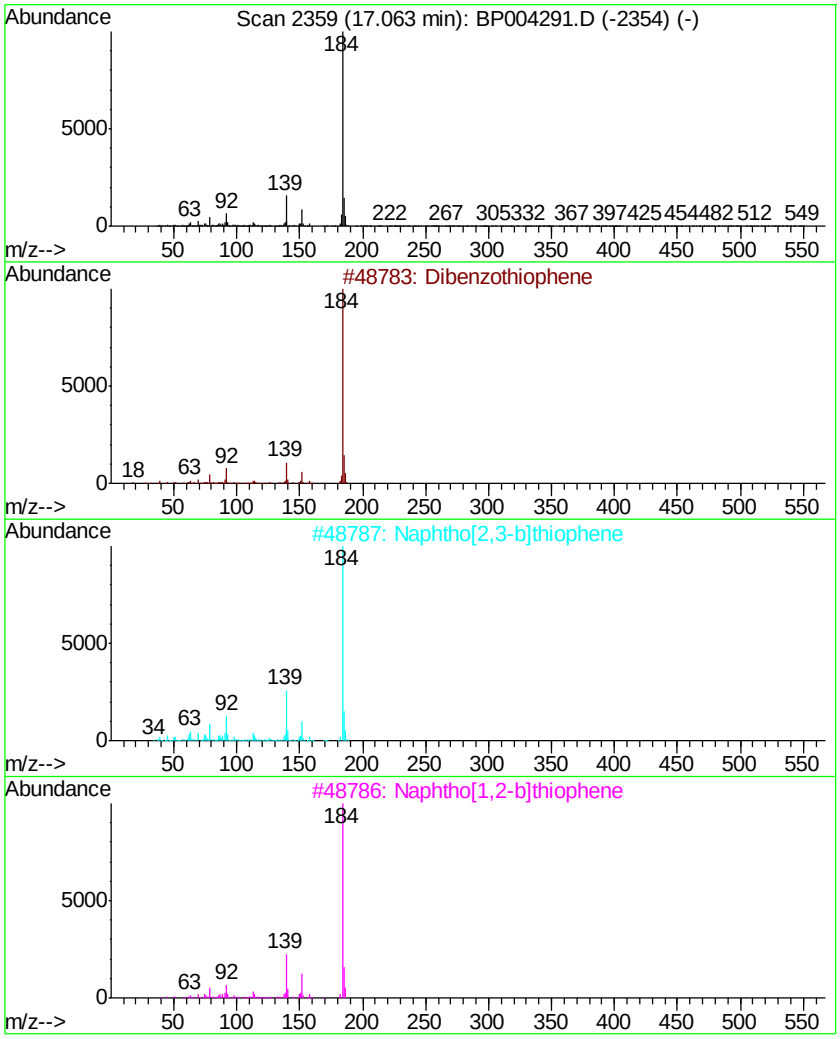
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

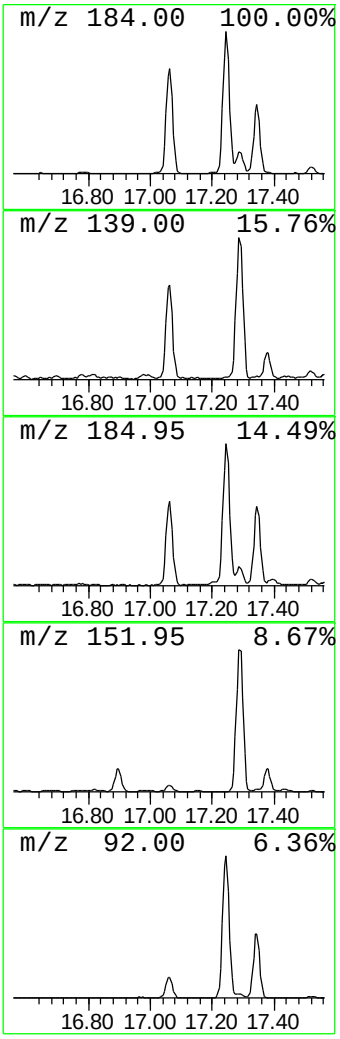
**********

Peak Number 3 Dibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.06 | 2.22 ng/ul | 596164 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 96 |
| 2 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 95 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

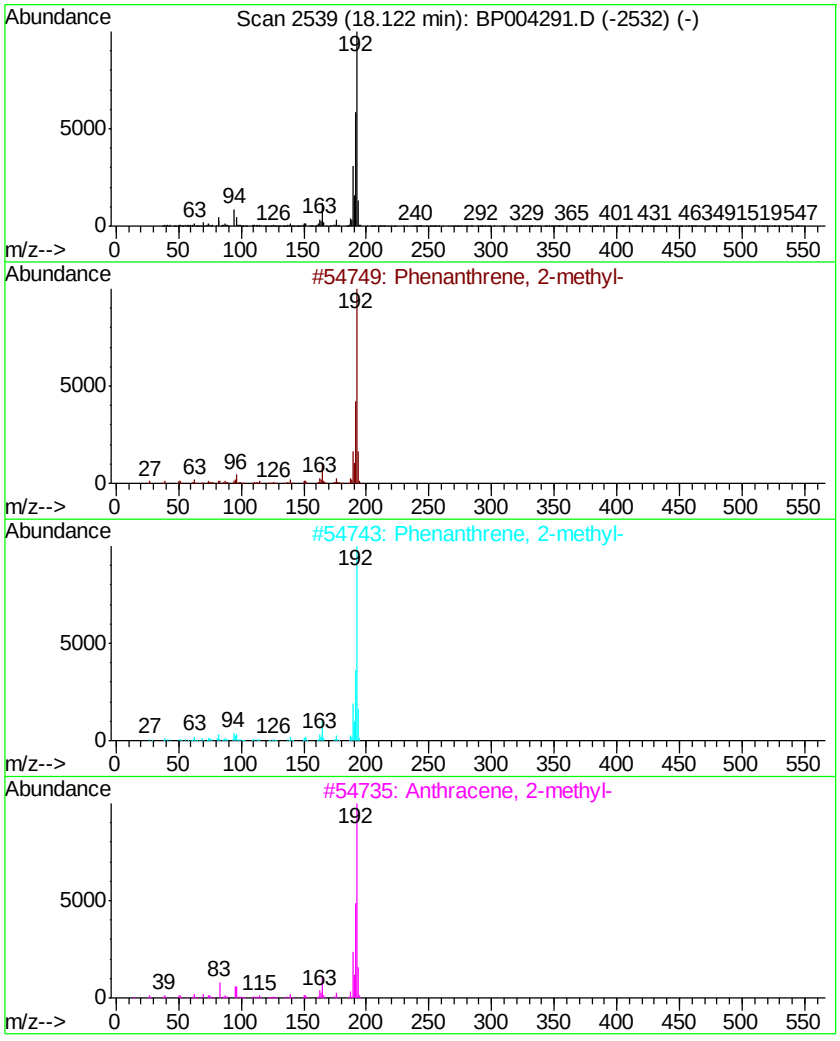
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

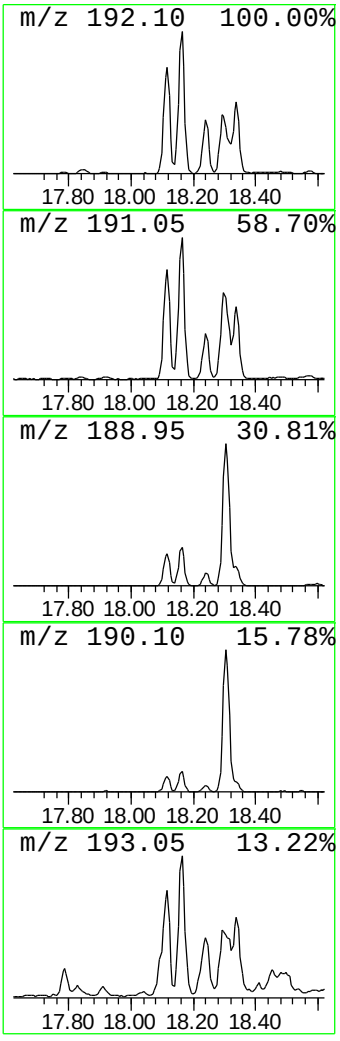
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.12 | 4.56 ng/ul | 1225820 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 92 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

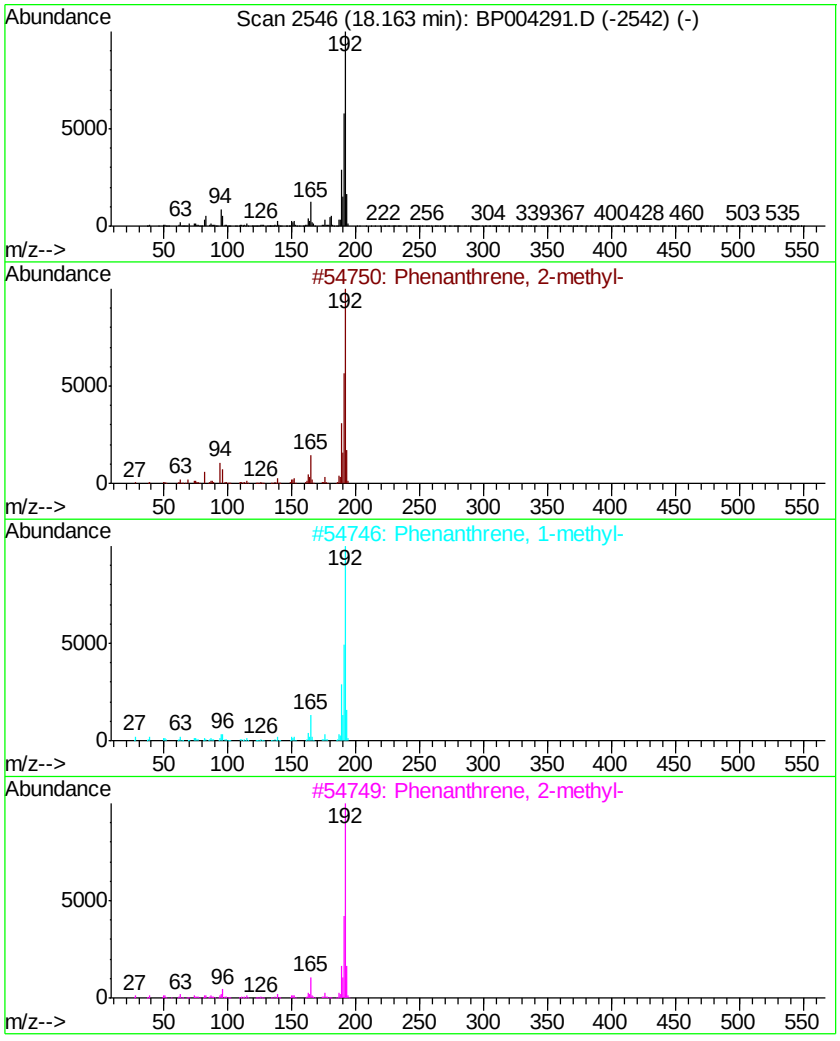
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

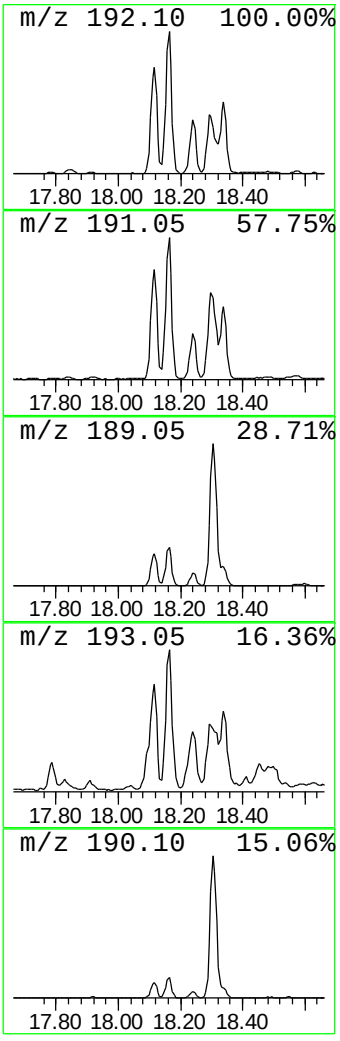
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.16 | 6.21 ng/ul | 1669690 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

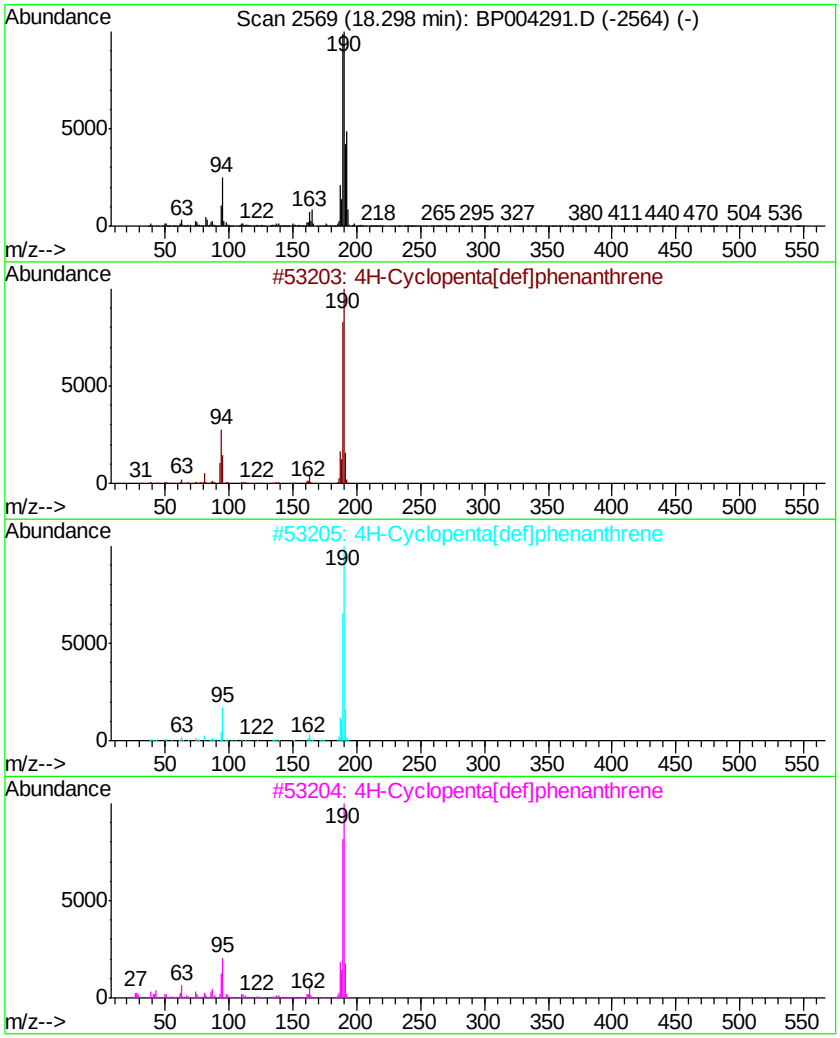
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

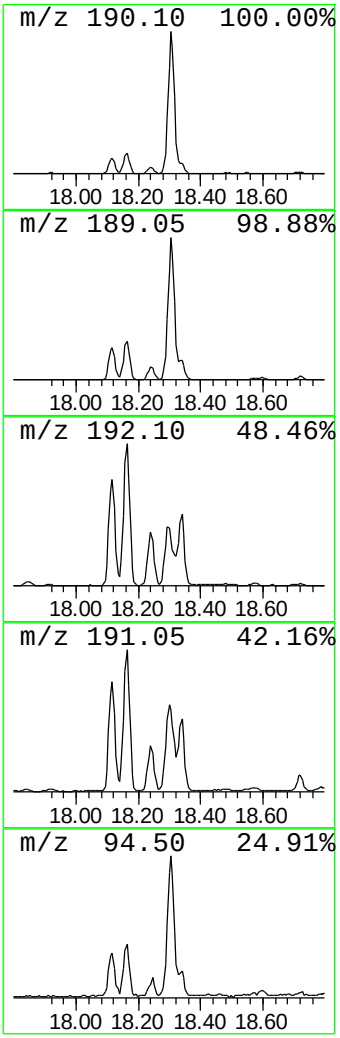
**********

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.30 | 10.02 ng/ul | 2694800 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

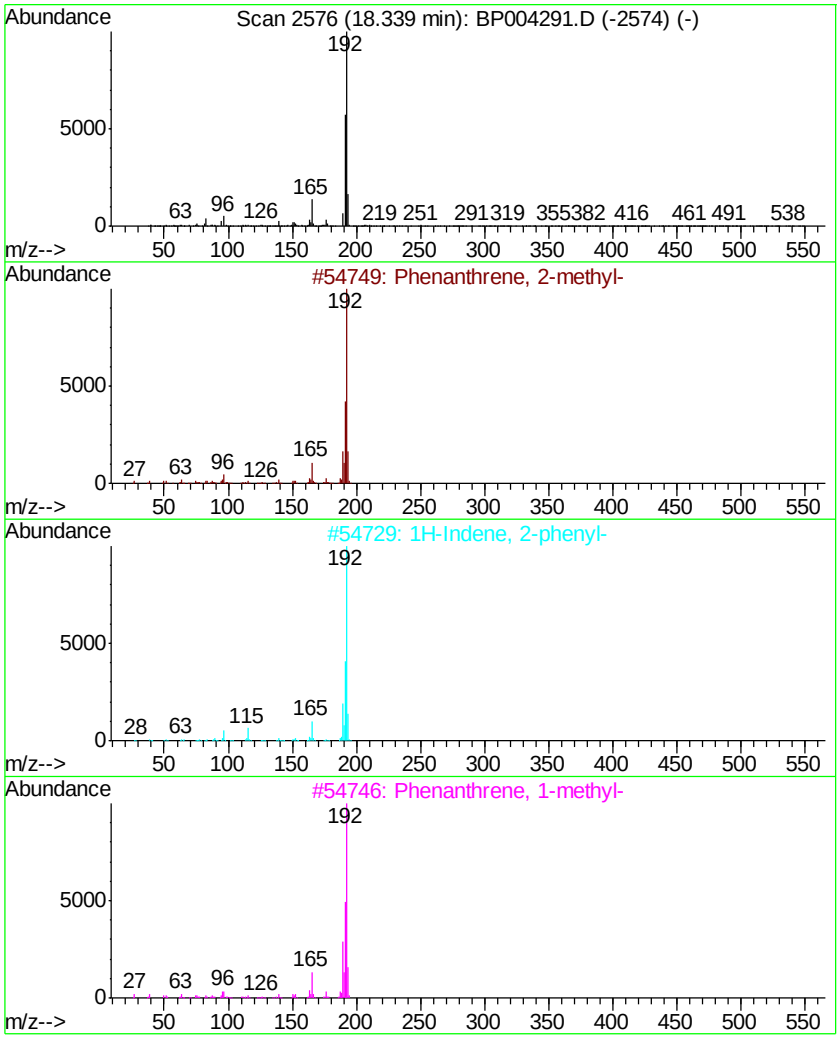
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

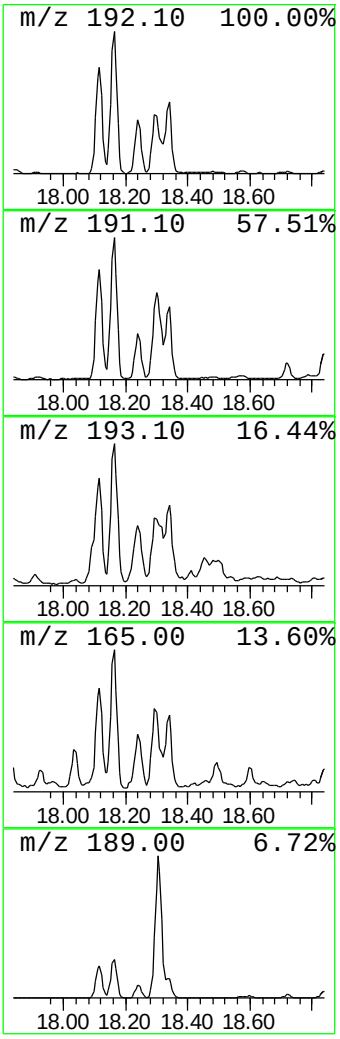
**********

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 2.35 ng/ul | 632910 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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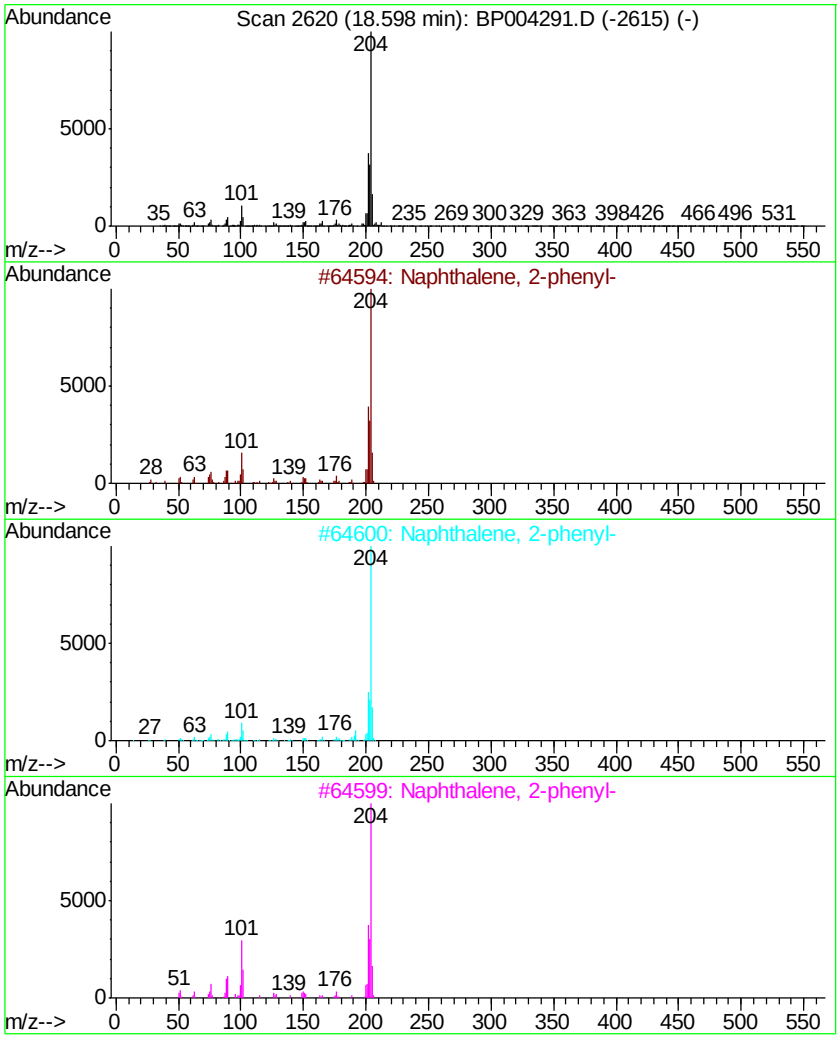
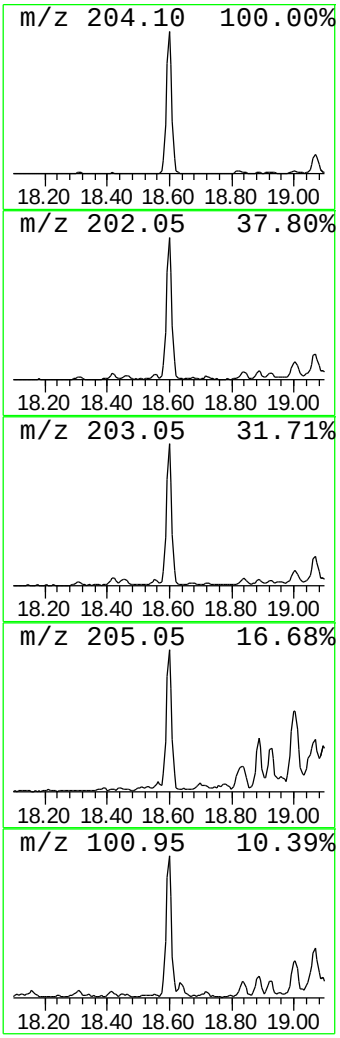
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.60 | 3.78 ng/ul | 1016270 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 72 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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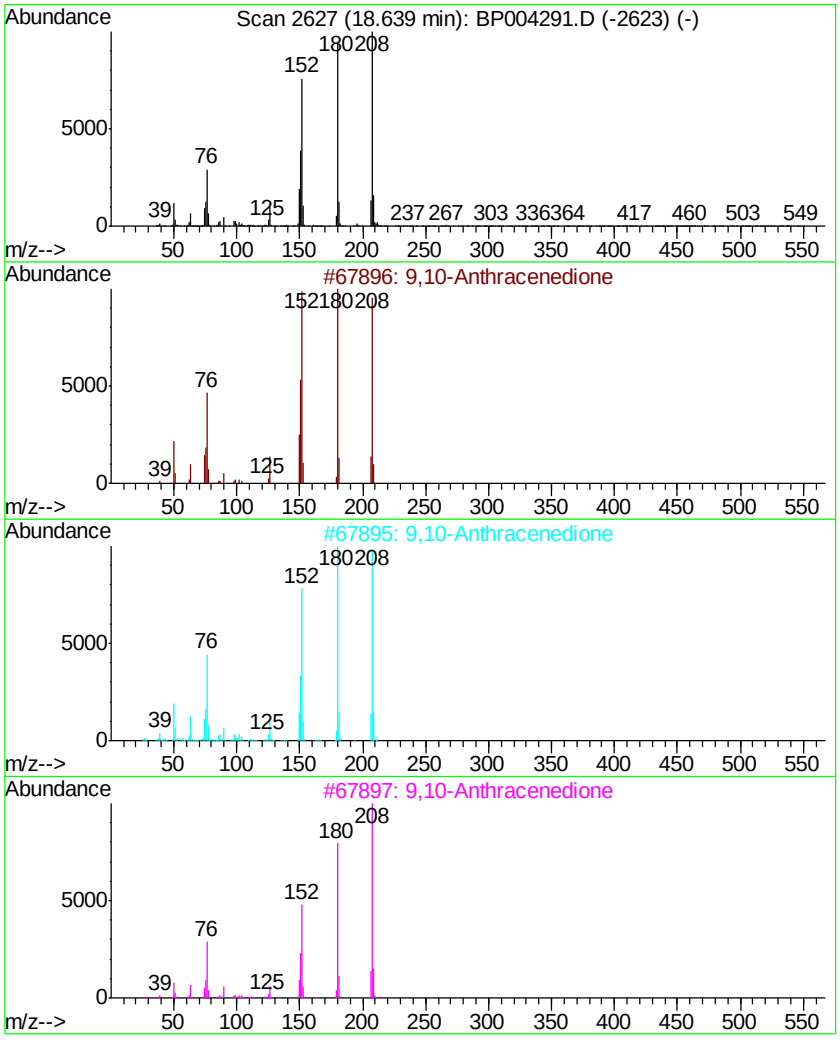
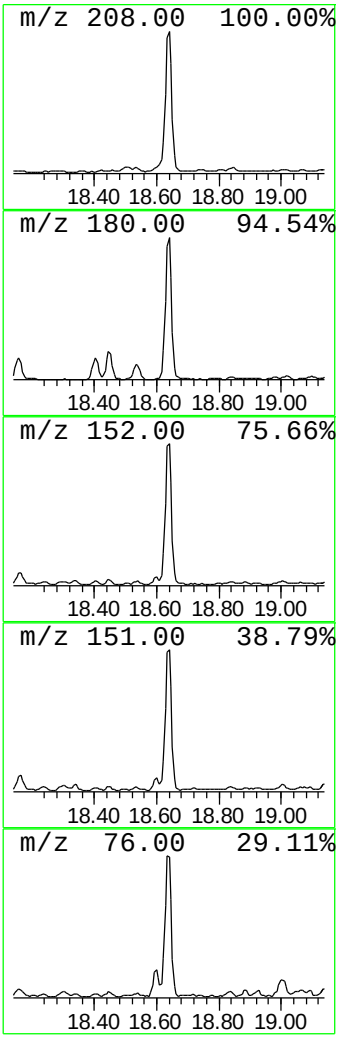
Peak Number 9 9,10-Anthracenedione Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.64 | 5.03 ng/ul | 1353390 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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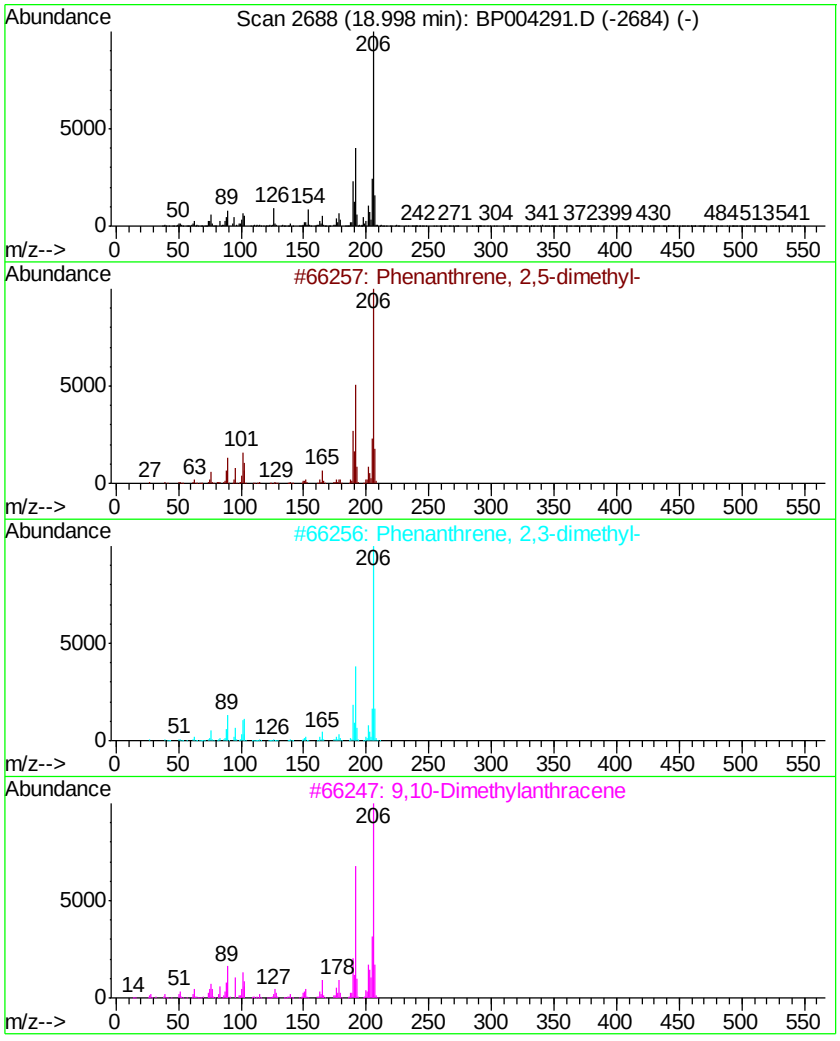
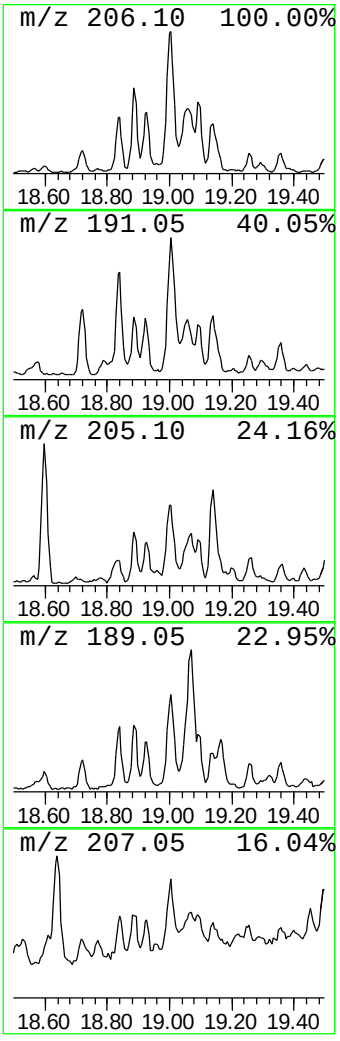
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.00 | 2.87 ng/ul | 772325 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 89 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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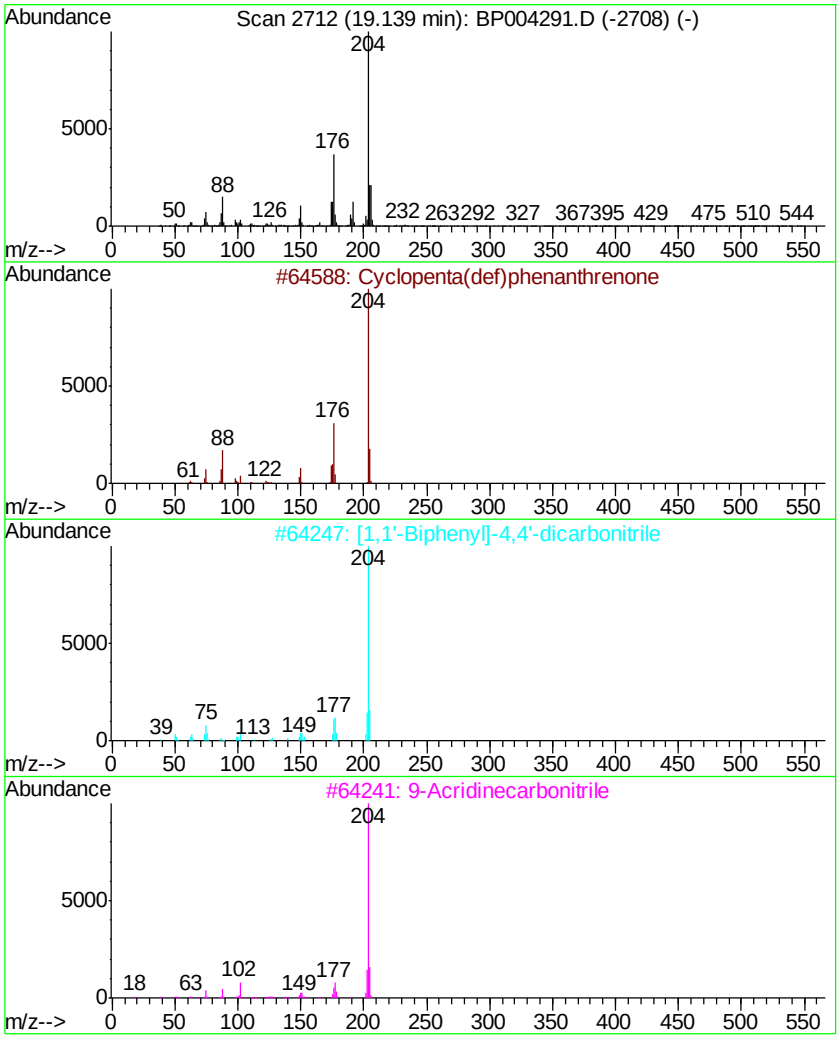
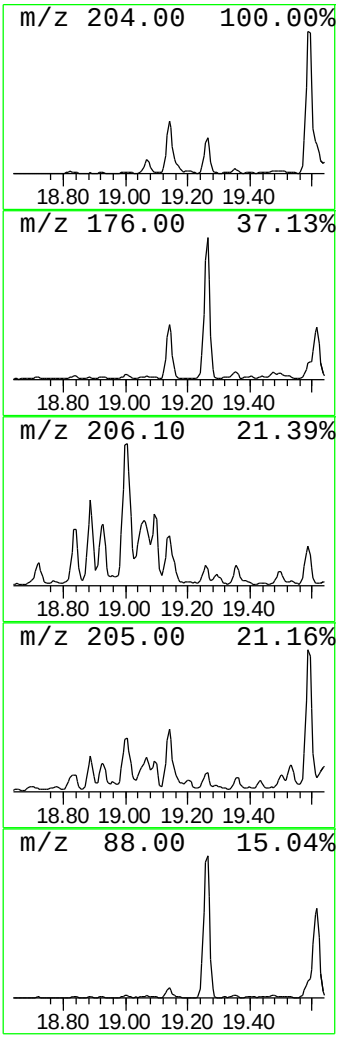
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.14 | 3.07 ng/ul | 824678 | Phenanthrene-d10 | 17.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 97 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 58 |
| 3 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 47 |
| 4 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 46 |
| 5 | Quinoline, 8-methoxy-5-nitro- | 204 | C10H8N2O3 | 1000298-88-7 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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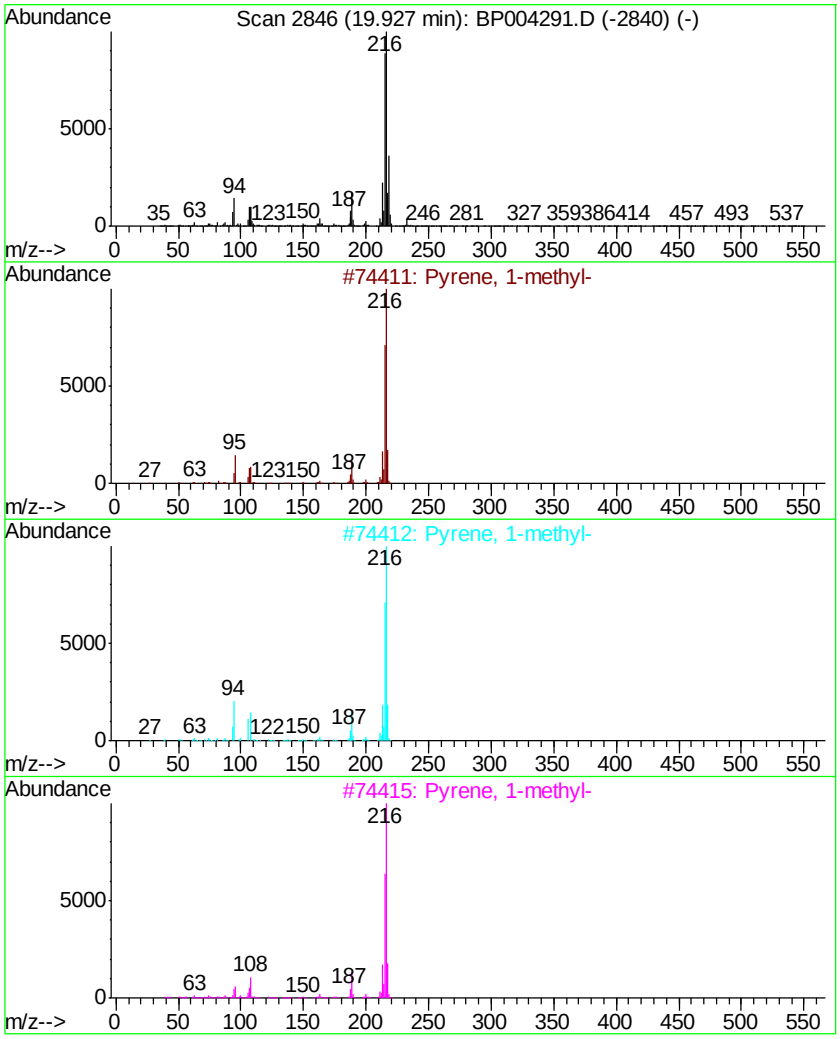
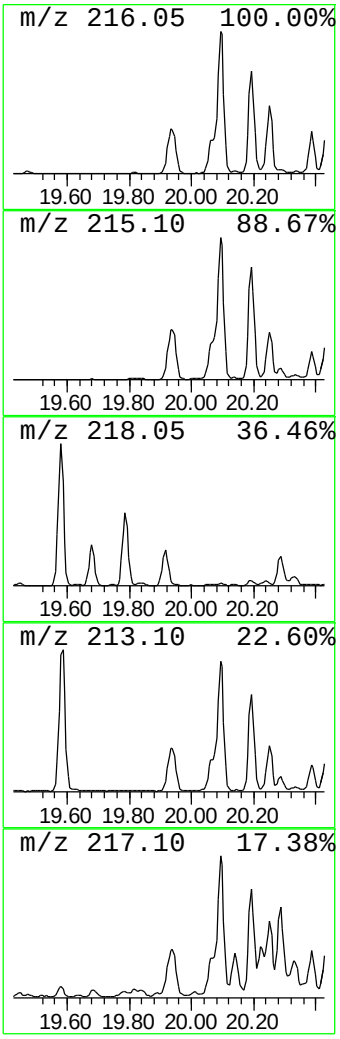
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.93 | 2.24 ng/ul | 1951530 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 92 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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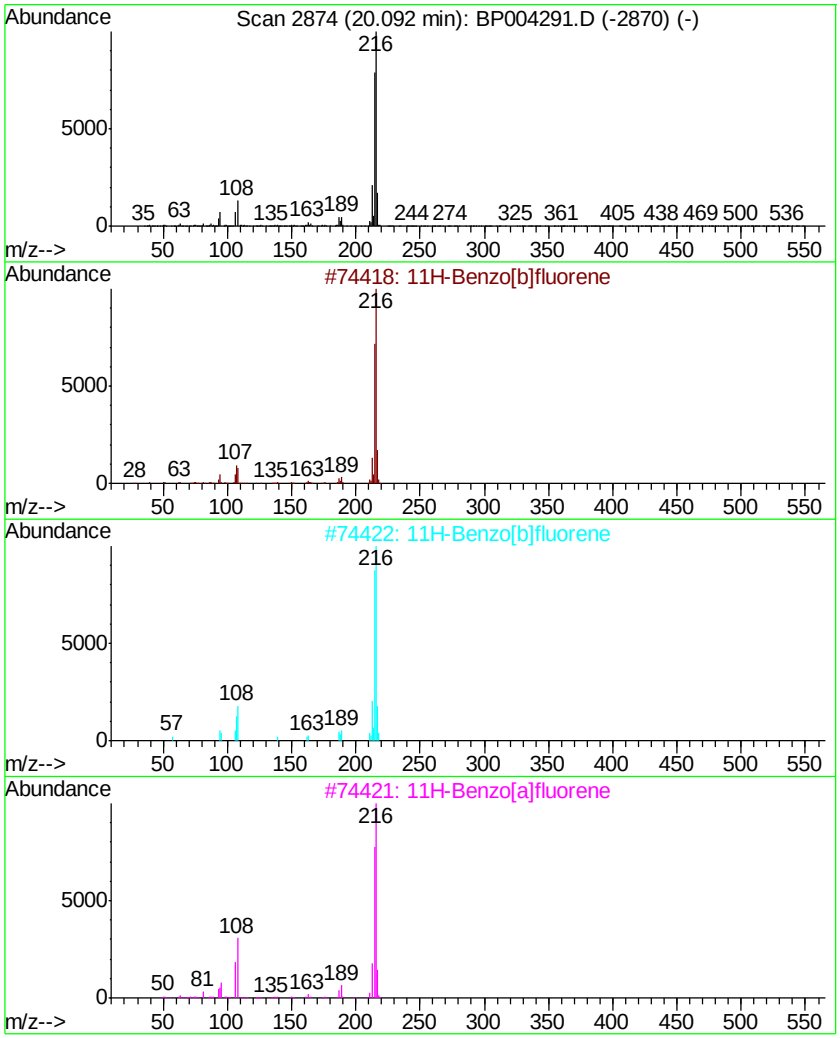
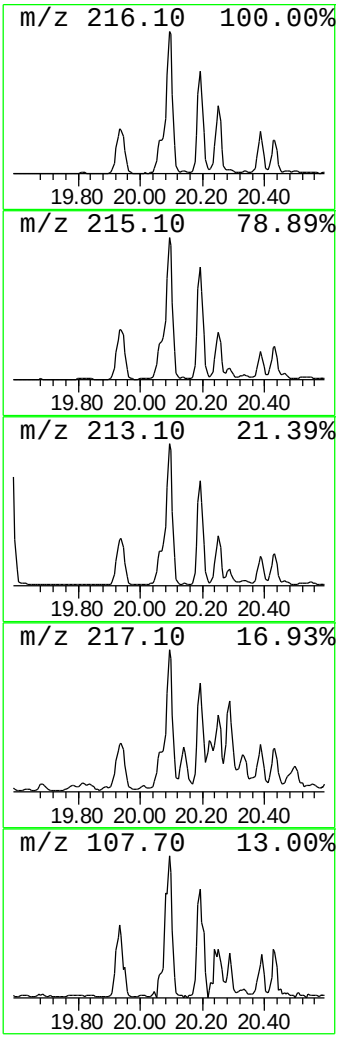
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.09 | 3.23 ng/ul | 2811820 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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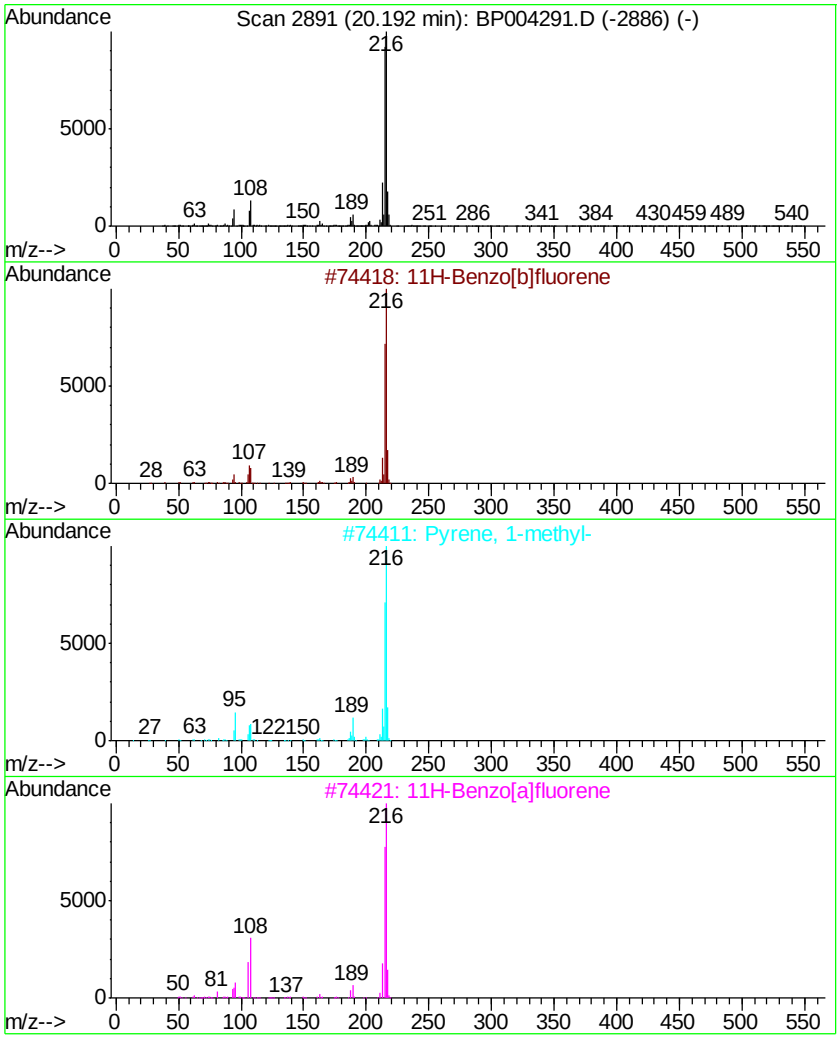
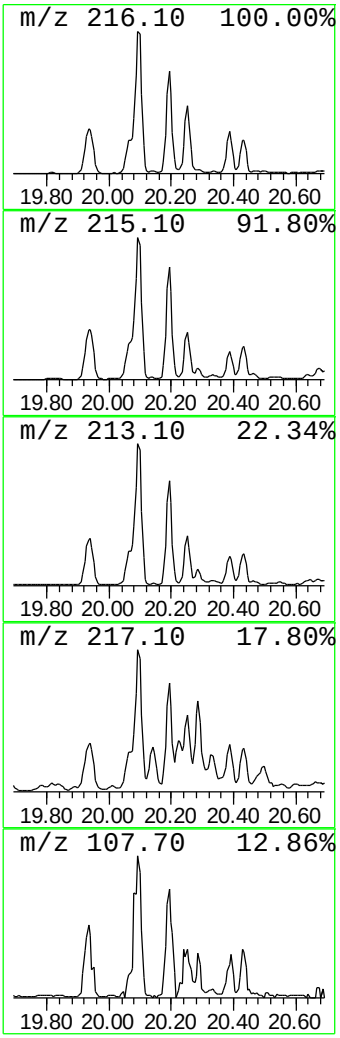
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.19 | 2.30 ng/ul | 2006060 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 92 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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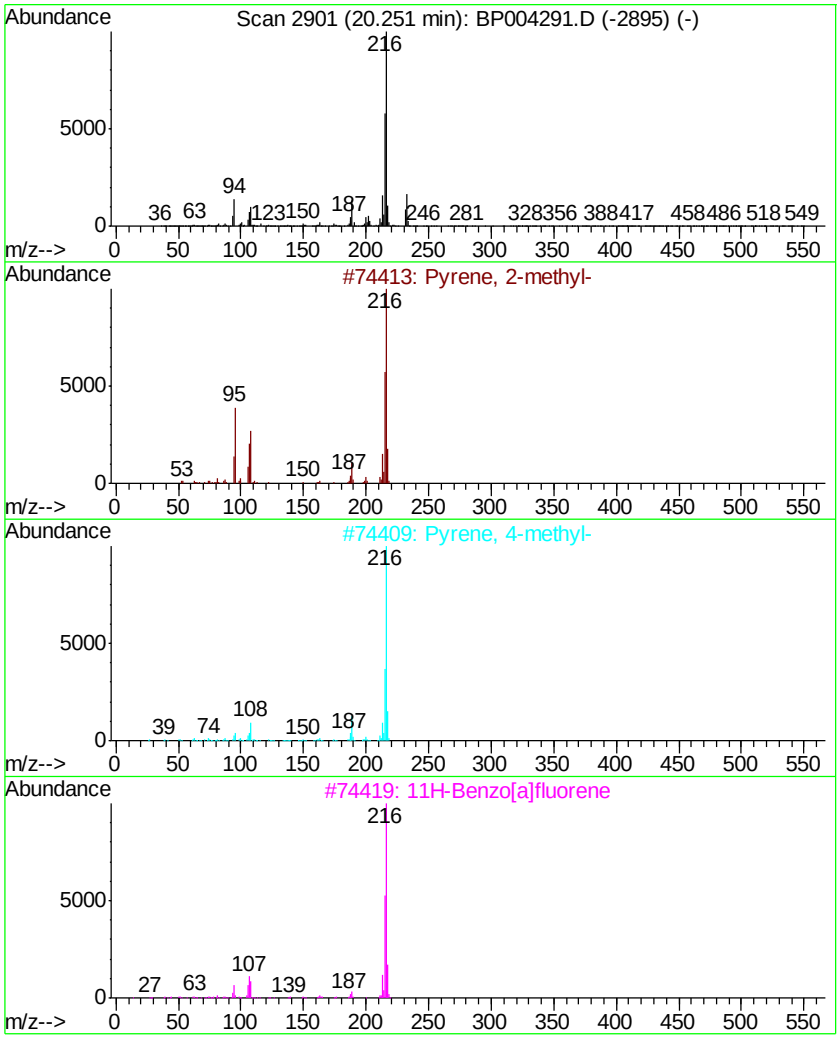
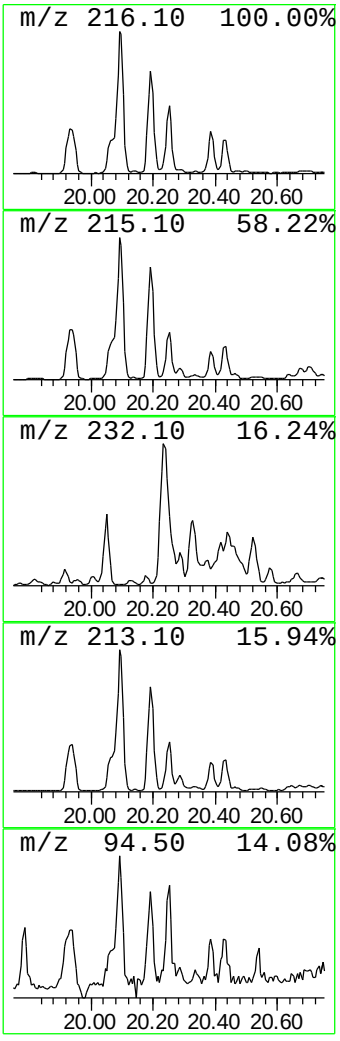
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.25 | 2.17 ng/ul | 1887660 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 93 |
| 2 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 86 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 81 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 76 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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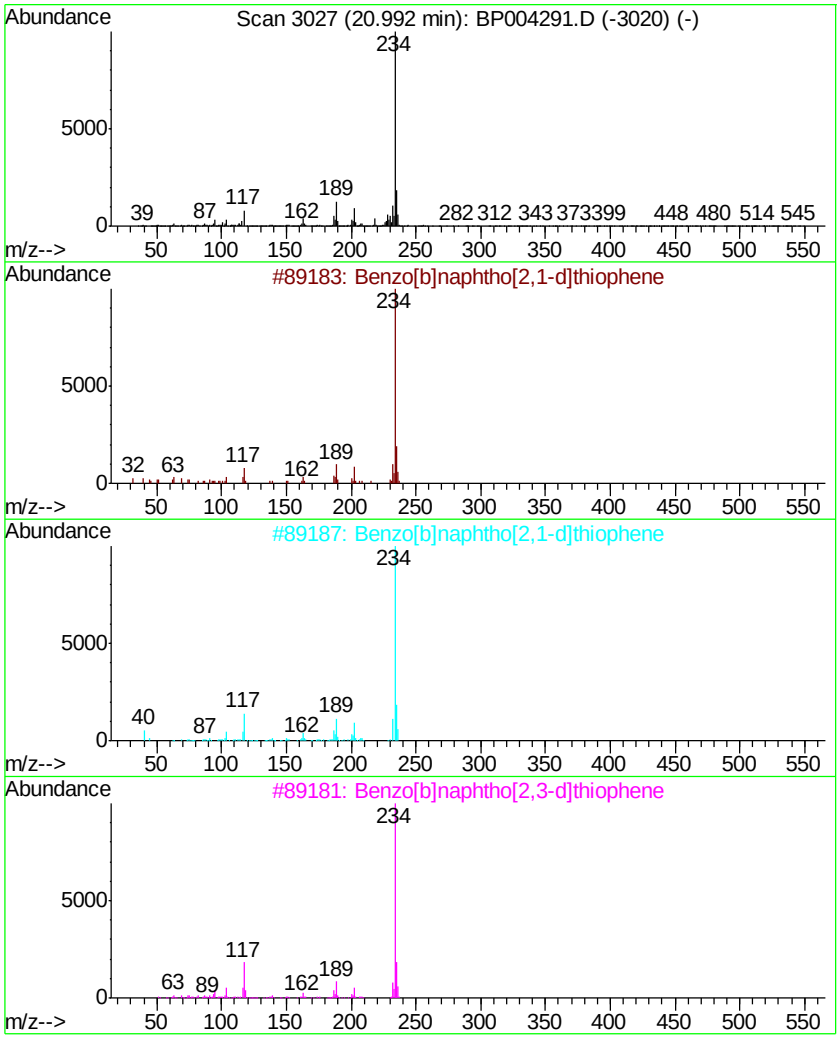
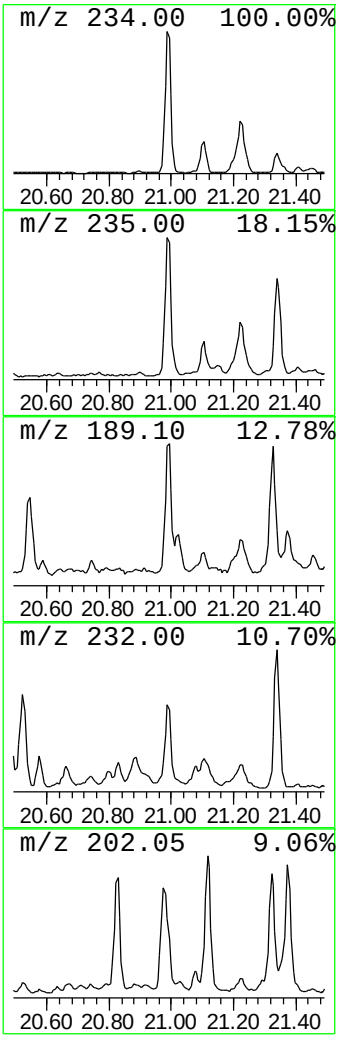
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.99 | 2.33 ng/ul | 2026600 | Chrysene-d12 | 21.34 |

| 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[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 94 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 93 |
| 4 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 91 |
| 5 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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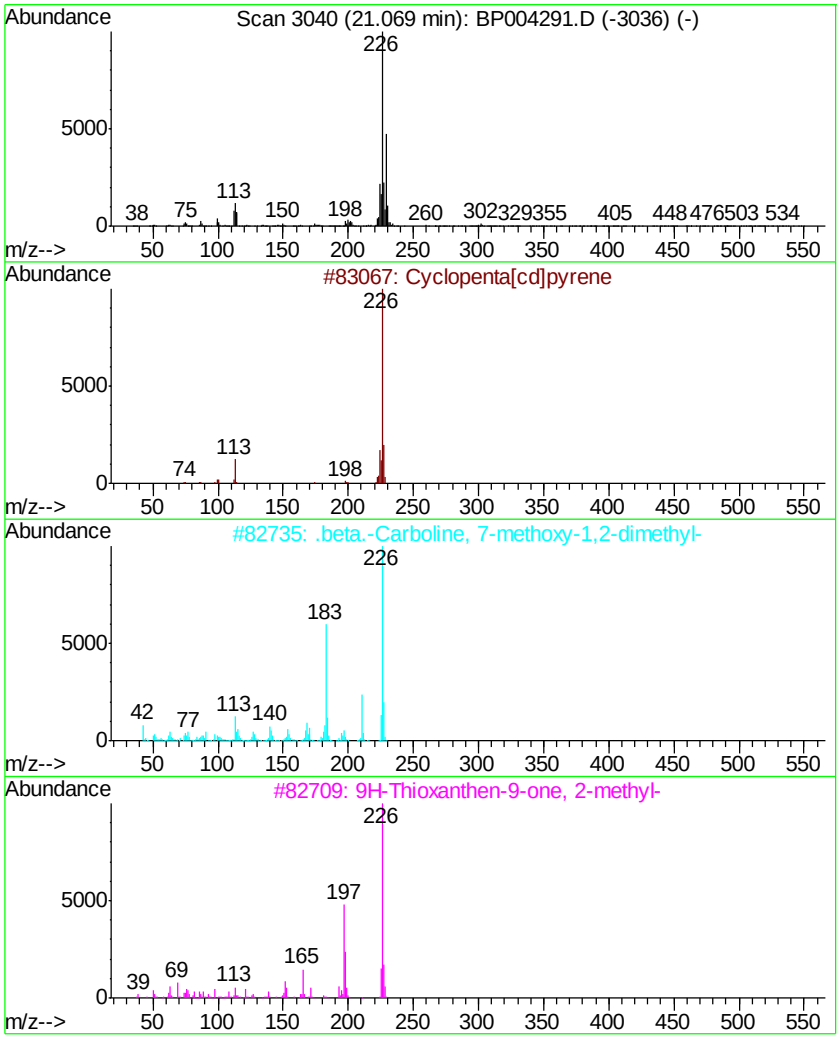
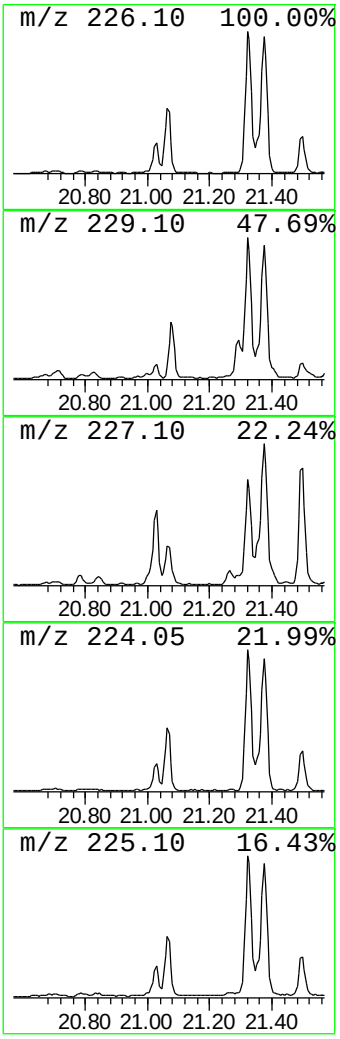
Peak Number 17 unknown-02 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.07 | 2.20 ng/ul | 1913890 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 49 |
| 2 | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2 | 47 |
| 3 | 9H-Thioxanthen-9-one, 2-methyl- | 226 | C14H10OS | 015774-82-0 | 43 |
| 4 | 6-Methyl-4-phenyl-3-cyanopyridin... | 226 | C13H10N2S | 078564-23-5 | 43 |
| 5 | 4-Naphthalen-2-yl-thiazol-2-ylamine | 226 | C13H10N2S | 1000300-53-4 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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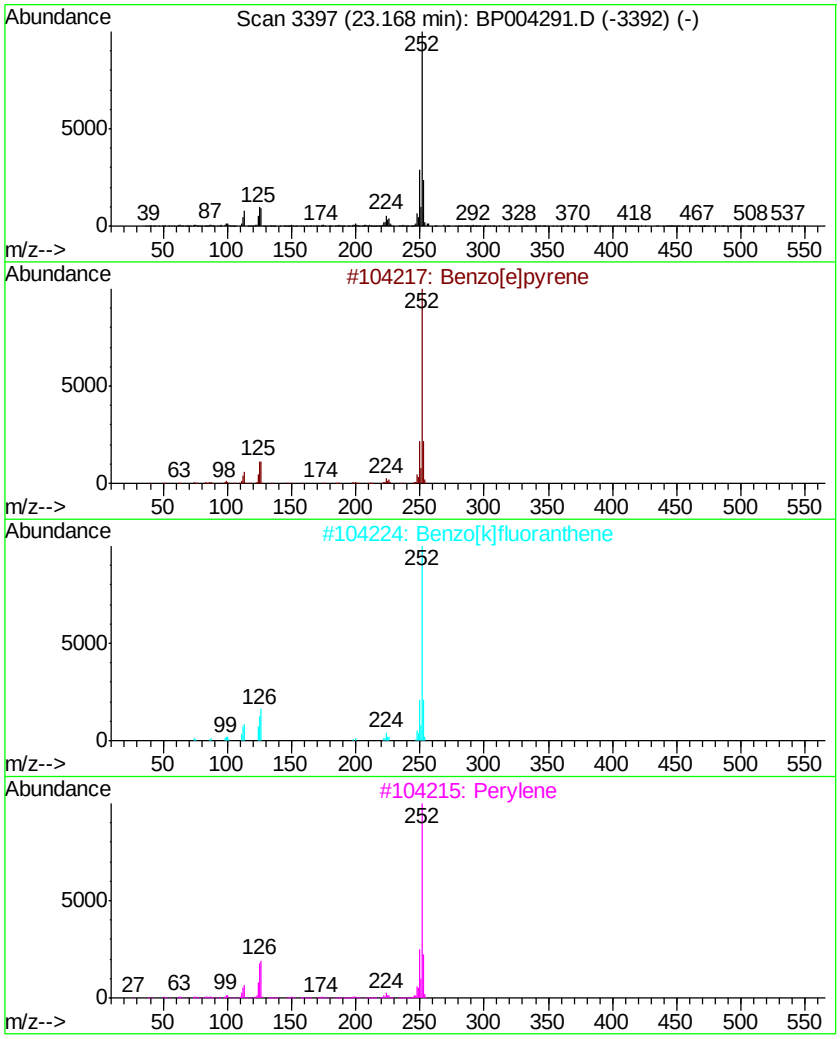
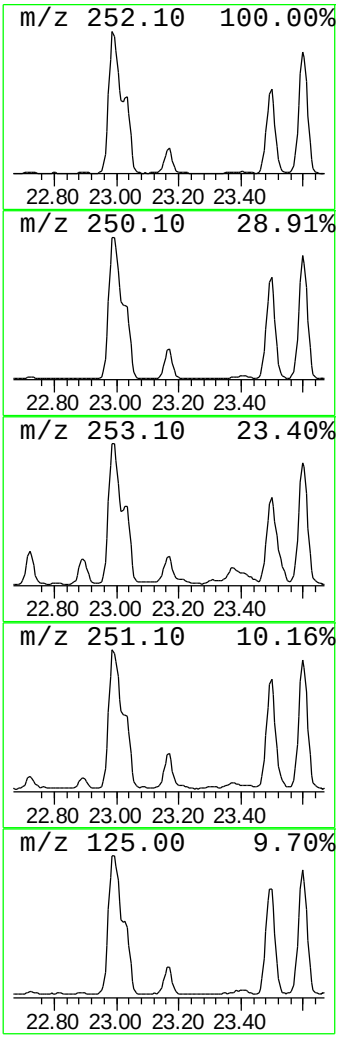
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.17 | 4.87 ng/ul | 1422360 | Perylene-d12 | 23.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

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

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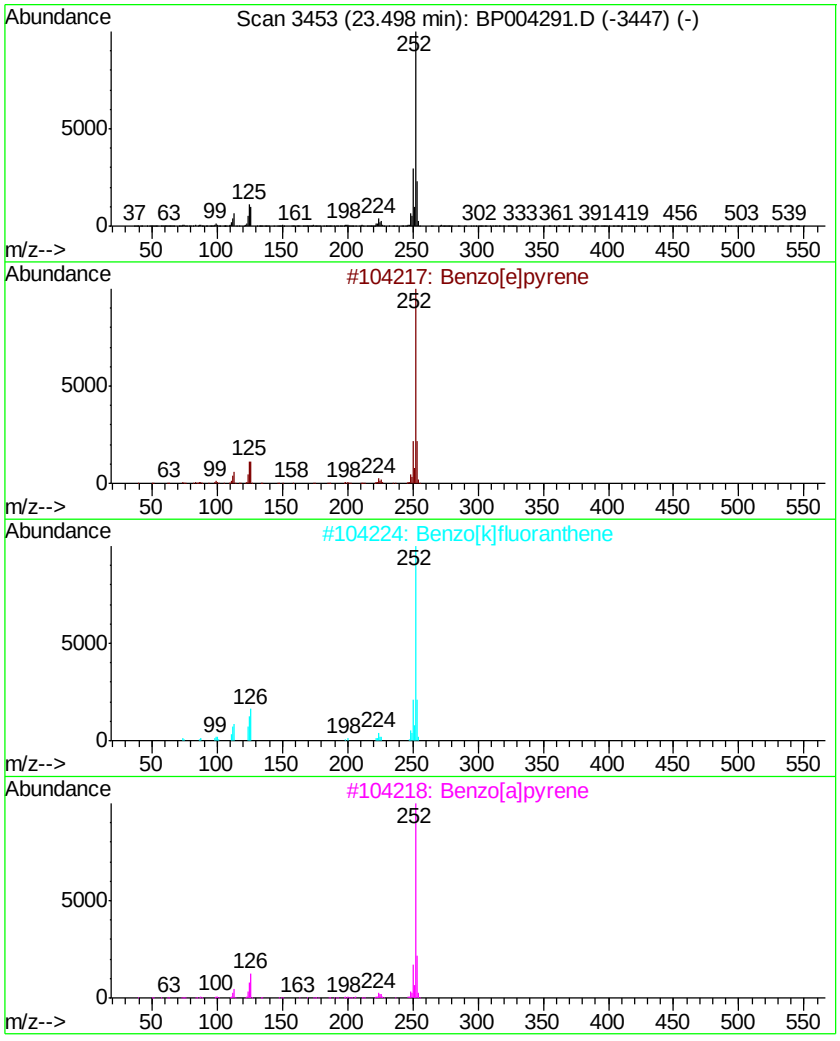
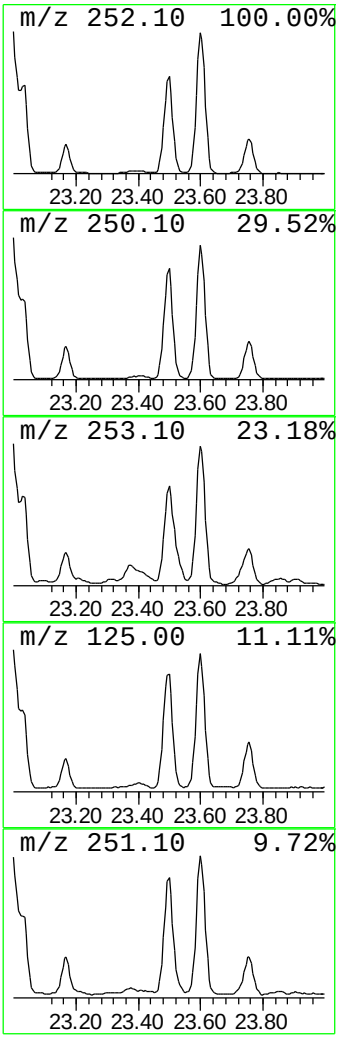
Peak Number 19 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.50 | 17.80 ng/ul | 5204400 | Perylene-d12 | 23.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
Data File : BP004291.D
Acq On : 15 Dec 2020 01:24
Operator : CG/JU
Sample : L5001-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** A54C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.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 |
| unknown-01 | 3.84 | 2.1 | ng/ul | 244190 | 1 | 7.84 | 2281380 | 20.0 |
| 9H-Fluoren-9-one | 16.90 | 2.2 | ng/ul | 597549 | 4 | 17.25 | 5377130 | 20.0 |
| Dibenzothiophene | 17.06 | 2.2 | ng/ul | 596164 | 4 | 17.25 | 5377130 | 20.0 |
| Phenanthrene, 2-m... | 18.12 | 4.6 | ng/ul | 1225820 | 4 | 17.25 | 5377130 | 20.0 |
| Phenanthrene, 1-m... | 18.16 | 6.2 | ng/ul | 1669690 | 4 | 17.25 | 5377130 | 20.0 |
| 4H-Cyclopenta[def... | 18.30 | 10.0 | ng/ul | 2694800 | 4 | 17.25 | 5377130 | 20.0 |
| 1H-Indene, 2-phenyl- | 18.34 | 2.4 | ng/ul | 632910 | 4 | 17.25 | 5377130 | 20.0 |
| Naphthalene, 2-ph... | 18.60 | 3.8 | ng/ul | 1016270 | 4 | 17.25 | 5377130 | 20.0 |
| 9,10-Anthracenedione | 18.64 | 5.0 | ng/ul | 1353390 | 4 | 17.25 | 5377130 | 20.0 |
| Phenanthrene, 2,5... | 19.00 | 2.9 | ng/ul | 772325 | 4 | 17.25 | 5377130 | 20.0 |
| Cyclopenta(def)ph... | 19.14 | 3.1 | ng/ul | 824678 | 4 | 17.25 | 5377130 | 20.0 |
| Pyrene, 1-methyl- | 19.93 | 2.2 | ng/ul | 1951530 | 5 | 21.34 | 17415800 | 20.0 |
| 11H-Benzo[b]fluorene | 20.09 | 3.2 | ng/ul | 2811820 | 5 | 21.34 | 17415800 | 20.0 |
| 11H-Benzo[a]fluorene | 20.19 | 2.3 | ng/ul | 2006060 | 5 | 21.34 | 17415800 | 20.0 |
| Pyrene, 2-methyl- | 20.25 | 2.2 | ng/ul | 1887660 | 5 | 21.34 | 17415800 | 20.0 |
| Benzo[b]naphtho[2... | 20.99 | 2.3 | ng/ul | 2026600 | 5 | 21.34 | 17415800 | 20.0 |
| unknown-02 | 21.07 | 2.2 | ng/ul | 1913890 | 5 | 21.34 | 17415800 | 20.0 |
| Benzo[e]pyrene | 23.17 | 4.9 | ng/ul | 1422360 | 6 | 23.70 | 5847040 | 20.0 |
| Perylene | 23.50 | 17.8 | ng/ul | 5204400 | 6 | 23.70 | 5847040 | 20.0 |