LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

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\SFAM-EPA-BP093022.M
Title : SVOA CALIBRATION

Signal : TIC: BP011996.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.028 | 3 | 7 | 14 | rBV | 3924441 | 4726316 | 6.24% | 0.346% |
| 2 | 4.040 | 173 | 179 | 186 | rBV | 4586910 | 6437769 | 8.50% | 0.471% |
| 3 | 5.505 | 422 | 428 | 439 | rVV | 2707499 | 5404688 | 7.13% | 0.395% |
| 4 | 5.858 | 480 | 488 | 503 | rBV2 | 2693606 | 6771017 | 8.94% | 0.495% |
| 5 | 6.487 | 581 | 595 | 614 | rBV3 | 2399082 | 7613694 | 10.05% | 0.557% |
| 6 | 7.093 | 688 | 698 | 706 | rVB | 8075559 | 17425311 | 23.00% | 1.274% |
| 7 | 7.452 | 754 | 759 | 765 | rVV | 2702105 | 5346025 | 7.06% | 0.391% |
| 8 | 7.522 | 765 | 771 | 778 | rVV2 | 3139229 | 6034755 | 7.96% | 0.441% |
| 9 | 7.599 | 778 | 784 | 794 | rVB | 5842244 | 10175036 | 13.43% | 0.744% |
| 10 | 7.705 | 795 | 802 | 815 | rVB3 | 2423537 | 5531911 | 7.30% | 0.405% |
| 11 | 8.340 | 901 | 910 | 915 | rBV | 8511340 | 15689178 | 20.71% | 1.147% |
| 12 | 8.422 | 915 | 924 | 933 | rVB | 13519417 | 31771118 | 41.93% | 2.324% |
| 13 | 8.693 | 958 | 970 | 976 | rVV | 11101935 | 36280525 | 47.88% | 2.653% |
| 14 | 9.363 | 1078 | 1084 | 1090 | rVV | 4297461 | 9163463 | 12.09% | 0.670% |
| 15 | 9.887 | 1162 | 1173 | 1176 | rBV2 | 7416876 | 16763766 | 22.12% | 1.226% |
| 16 | 10.116 | 1198 | 1212 | 1218 | rBV5 | 4884359 | 16056974 | 21.19% | 1.174% |
| 17 | 10.199 | 1219 | 1226 | 1234 | rVB2 | 7729427 | 21752024 | 28.71% | 1.591% |
| 18 | 10.340 | 1242 | 1250 | 1256 | rVB2 | 1745323 | 3920616 | 5.17% | 0.287% |
| 19 | 10.599 | 1287 | 1294 | 1299 | rVV | 2242807 | 3957641 | 5.22% | 0.289% |
| 20 | 10.787 | 1306 | 1326 | 1331 | rVV | 17076069 | 75773242 | 100.00% | 5.542% |
| 21 | 10.840 | 1331 | 1335 | 1337 | rVV | 3146195 | 5291187 | 6.98% | 0.387% |
| 22 | 10.875 | 1337 | 1341 | 1347 | rVV | 8329716 | 14220660 | 18.77% | 1.040% |
| 23 | 11.093 | 1367 | 1378 | 1386 | rBV3 | 1477855 | 4642455 | 6.13% | 0.340% |
| 24 | 11.557 | 1447 | 1457 | 1463 | rBV | 12264472 | 32830597 | 43.33% | 2.401% |
| 25 | 11.734 | 1477 | 1487 | 1491 | rBV3 | 2684285 | 4987364 | 6.58% | 0.365% |
| 26 | 11.899 | 1507 | 1515 | 1525 | rVB | 6039362 | 13178972 | 17.39% | 0.964% |
| 27 | 12.199 | 1555 | 1566 | 1571 | rBV2 | 4325519 | 10469949 | 13.82% | 0.766% |
| 28 | 12.363 | 1585 | 1594 | 1599 | rBV | 15949003 | 36911667 | 48.71% | 2.700% |
| 29 | 12.499 | 1607 | 1617 | 1622 | rBV | 7863018 | 16579179 | 21.88% | 1.213% |
| 30 | 12.581 | 1623 | 1631 | 1643 | rVB | 13985922 | 30231474 | 39.90% | 2.211% |
| 31 | 13.099 | 1708 | 1719 | 1726 | rBV2 | 3846308 | 8345892 | 11.01% | 0.610% |
| 32 | 13.357 | 1759 | 1763 | 1767 | rVV | 5396595 | 7613065 | 10.05% | 0.557% |
| 33 | 13.551 | 1792 | 1796 | 1806 | rVB2 | 1709196 | 4064759 | 5.36% | 0.297% |
| 34 | 13.687 | 1812 | 1819 | 1821 | rBV | 6099493 | 11165986 | 14.74% | 0.817% |
| 35 | 13.851 | 1840 | 1847 | 1852 | rBV2 | 9530336 | 20175989 | 26.63% | 1.476% |
| 36 | 13.904 | 1852 | 1856 | 1860 | rVB | 6884525 | 9392399 | 12.40% | 0.687% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

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\SFAM-EPA-BP093022.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.981 | 1866 | 1869 | 1874 | rVB | 3131403 | 4191972 | 5.53% | 0.307% |
| 38 | 14.087 | 1881 | 1887 | 1890 | rBV | 5526652 | 9043089 | 11.93% | 0.661% |
| 39 | 14.263 | 1910 | 1917 | 1923 | rVB | 15832562 | 36384767 | 48.02% | 2.661% |
| 40 | 14.498 | 1953 | 1957 | 1960 | rBV | 3126781 | 4296074 | 5.67% | 0.314% |
| 41 | 14.593 | 1967 | 1973 | 1980 | rVB2 | 6518633 | 11694629 | 15.43% | 0.855% |
| 42 | 14.663 | 1980 | 1985 | 1990 | rBV | 3104744 | 4931848 | 6.51% | 0.361% |
| 43 | 14.722 | 1991 | 1995 | 2005 | rVB3 | 2202585 | 5001282 | 6.60% | 0.366% |
| 44 | 14.822 | 2005 | 2012 | 2017 | rBV2 | 4635875 | 8928999 | 11.78% | 0.653% |
| 45 | 14.934 | 2025 | 2031 | 2036 | rBV | 12101091 | 22472992 | 29.66% | 1.644% |
| 46 | 15.145 | 2059 | 2067 | 2072 | rBV3 | 4699675 | 11166345 | 14.74% | 0.817% |
| 47 | 15.398 | 2106 | 2110 | 2117 | rVB | 4410318 | 6725856 | 8.88% | 0.492% |
| 48 | 15.487 | 2117 | 2125 | 2127 | rBV3 | 1638242 | 3936428 | 5.20% | 0.288% |
| 49 | 15.528 | 2128 | 2132 | 2136 | rVB | 5657509 | 8330540 | 10.99% | 0.609% |
| 50 | 15.593 | 2136 | 2143 | 2151 | rVB | 15448276 | 34802913 | 45.93% | 2.545% |
| 51 | 15.804 | 2172 | 2179 | 2186 | rBV5 | 4149295 | 12917453 | 17.05% | 0.945% |
| 52 | 15.875 | 2187 | 2191 | 2196 | rVB | 5711932 | 7738822 | 10.21% | 0.566% |
| 53 | 15.993 | 2204 | 2211 | 2212 | rBV2 | 4205767 | 6483250 | 8.56% | 0.474% |
| 54 | 16.116 | 2228 | 2232 | 2239 | rVB2 | 2699191 | 3948716 | 5.21% | 0.289% |
| 55 | 16.422 | 2275 | 2284 | 2289 | rBV2 | 3430086 | 8259893 | 10.90% | 0.604% |
| 56 | 16.475 | 2289 | 2293 | 2298 | rVB | 2881998 | 3902552 | 5.15% | 0.285% |
| 57 | 16.557 | 2302 | 2307 | 2310 | rBV2 | 5798474 | 11234771 | 14.83% | 0.822% |
| 58 | 16.640 | 2317 | 2321 | 2327 | rVB2 | 4013771 | 7159779 | 9.45% | 0.524% |
| 59 | 16.951 | 2371 | 2374 | 2379 | rVB3 | 4116555 | 6144083 | 8.11% | 0.449% |
| 60 | 17.016 | 2380 | 2385 | 2391 | rBV3 | 3721370 | 7833668 | 10.34% | 0.573% |
| 61 | 17.104 | 2392 | 2400 | 2410 | rVB | 5536199 | 14666793 | 19.36% | 1.073% |
| 62 | 17.192 | 2411 | 2415 | 2418 | rBV | 3021259 | 4625573 | 6.10% | 0.338% |
| 63 | 17.251 | 2422 | 2425 | 2428 | rVB2 | 3471587 | 4204806 | 5.55% | 0.308% |
| 64 | 17.292 | 2428 | 2432 | 2434 | rBV | 3130592 | 4506408 | 5.95% | 0.330% |
| 65 | 17.357 | 2434 | 2443 | 2447 | rVV | 17279357 | 51248679 | 67.63% | 3.748% |
| 66 | 17.404 | 2447 | 2451 | 2452 | rVV2 | 4076481 | 5447129 | 7.19% | 0.398% |
| 67 | 17.439 | 2452 | 2457 | 2461 | rVB | 13824790 | 24357892 | 32.15% | 1.781% |
| 68 | 17.704 | 2498 | 2502 | 2509 | rVV | 10830454 | 18455445 | 24.36% | 1.350% |
| 69 | 17.798 | 2513 | 2518 | 2525 | rVV4 | 6055796 | 12143662 | 16.03% | 0.888% |
| 70 | 17.863 | 2525 | 2529 | 2536 | rVB3 | 4913424 | 7745534 | 10.22% | 0.566% |
| 71 | 17.945 | 2538 | 2543 | 2548 | rVB | 4294300 | 7799456 | 10.29% | 0.570% |
| 72 | 17.998 | 2548 | 2552 | 2556 | rBV2 | 3469732 | 5069512 | 6.69% | 0.371% |
| 73 | 18.134 | 2570 | 2575 | 2576 | rBV | 6320889 | 8301152 | 10.96% | 0.607% |
| 74 | 18.157 | 2577 | 2579 | 2583 | rVV2 | 8480525 | 11177349 | 14.75% | 0.817% |
| 75 | 18.210 | 2583 | 2588 | 2596 | rVB3 | 11403037 | 22308678 | 29.44% | 1.632% |
| 76 | 18.287 | 2596 | 2601 | 2606 | rVB | 11497116 | 19433355 | 25.65% | 1.421% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

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\SFAM-EPA-BP093022.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 18.357 | 2606 | 2613 | 2616 | rBV3 | 13497335 | 28231036 | 37.26% | 2.065% |
| 78 | 18.445 | 2623 | 2628 | 2632 | rBV2 | 6176352 | 12531141 | 16.54% | 0.916% |
| 79 | 18.545 | 2641 | 2645 | 2650 | rBV3 | 4213789 | 7447343 | 9.83% | 0.545% |
| 80 | 18.645 | 2658 | 2662 | 2667 | rVB2 | 9876471 | 16414023 | 21.66% | 1.200% |
| 81 | 18.728 | 2668 | 2676 | 2688 | rBV8 | 4884741 | 16958124 | 22.38% | 1.240% |
| 82 | 18.857 | 2694 | 2698 | 2704 | rBV3 | 3295243 | 6500226 | 8.58% | 0.475% |
| 83 | 18.963 | 2712 | 2716 | 2719 | rBV2 | 3806603 | 4783133 | 6.31% | 0.350% |
| 84 | 19.004 | 2719 | 2723 | 2725 | rBV2 | 4724693 | 6265490 | 8.27% | 0.458% |
| 85 | 19.322 | 2769 | 2777 | 2781 | rBV | 16166618 | 41737848 | 55.08% | 3.052% |
| 86 | 19.451 | 2795 | 2799 | 2803 | rVB | 8991056 | 12989970 | 17.14% | 0.950% |
| 87 | 19.633 | 2825 | 2830 | 2832 | rBV2 | 11744325 | 19464313 | 25.69% | 1.424% |
| 88 | 19.722 | 2843 | 2845 | 2855 | rVB3 | 3865338 | 7076371 | 9.34% | 0.518% |
| 89 | 19.828 | 2860 | 2863 | 2868 | rVB | 4783201 | 6602554 | 8.71% | 0.483% |
| 90 | 19.981 | 2883 | 2889 | 2894 | rVB3 | 4983609 | 11626613 | 15.34% | 0.850% |
| 91 | 20.198 | 2922 | 2926 | 2928 | rBV3 | 3150027 | 4955375 | 6.54% | 0.362% |
| 92 | 20.239 | 2928 | 2933 | 2938 | rVV2 | 10128717 | 19284138 | 25.45% | 1.410% |
| 93 | 21.033 | 3065 | 3068 | 3071 | rBV2 | 4414609 | 7076478 | 9.34% | 0.518% |
| 94 | 21.116 | 3079 | 3082 | 3086 | rBV2 | 3231228 | 4278694 | 5.65% | 0.313% |
| 95 | 21.375 | 3119 | 3126 | 3131 | rBV3 | 14705854 | 36877606 | 48.67% | 2.697% |
| 96 | 21.428 | 3132 | 3135 | 3140 | rVB | 12649561 | 18732057 | 24.72% | 1.370% |
| 97 | 21.716 | 3179 | 3184 | 3188 | rBV3 | 5525620 | 10317456 | 13.62% | 0.755% |
| 98 | 23.092 | 3410 | 3418 | 3422 | rBV2 | 9619902 | 27690386 | 36.54% | 2.025% |
| 99 | 23.269 | 3444 | 3448 | 3454 | rVB | 4869297 | 8536932 | 11.27% | 0.624% |
| 100 | 23.733 | 3520 | 3527 | 3533 | rVB | 11101569 | 25244937 | 33.32% | 1.846% |

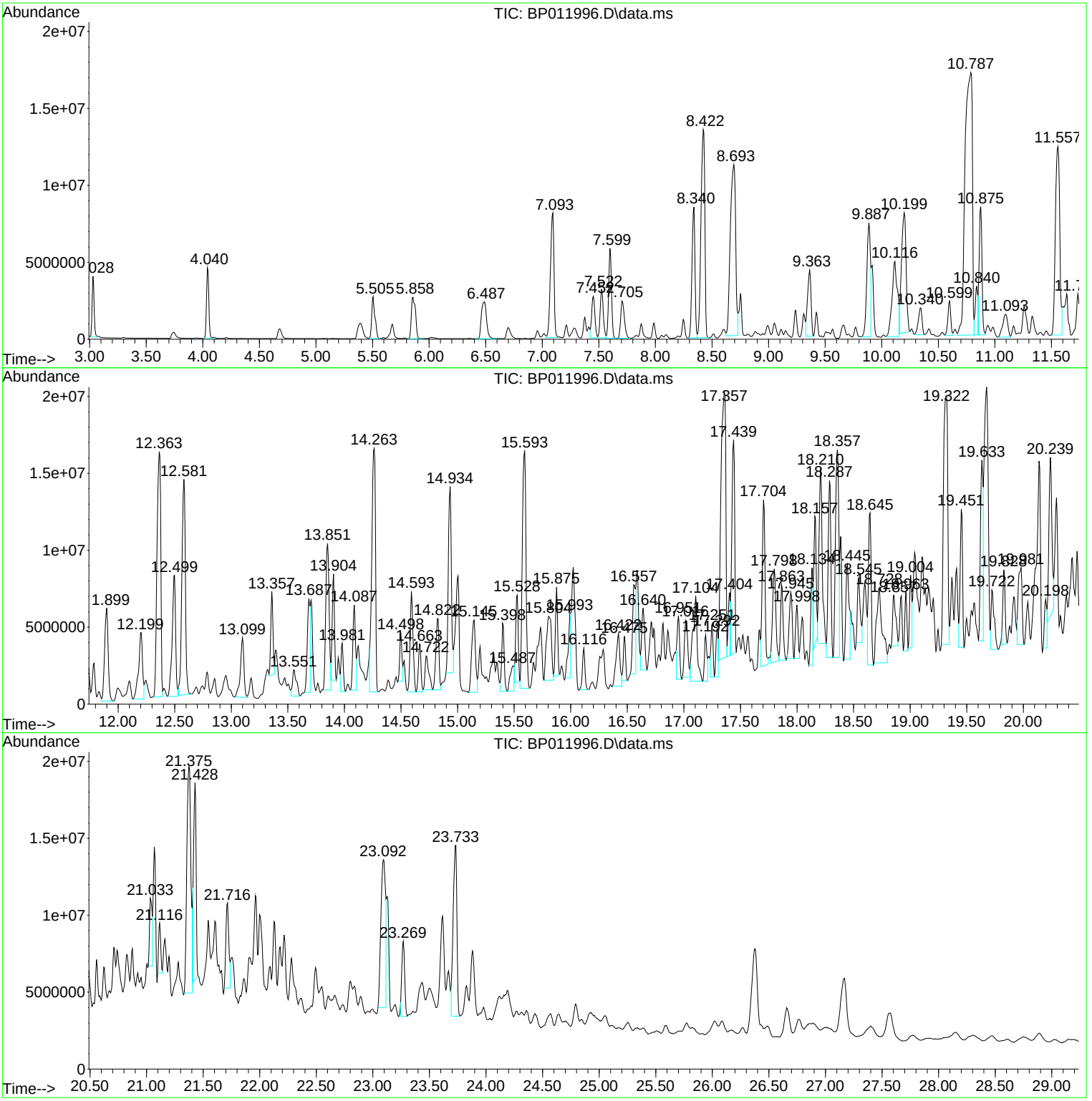
Sum of corrected areas: 1367341051

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

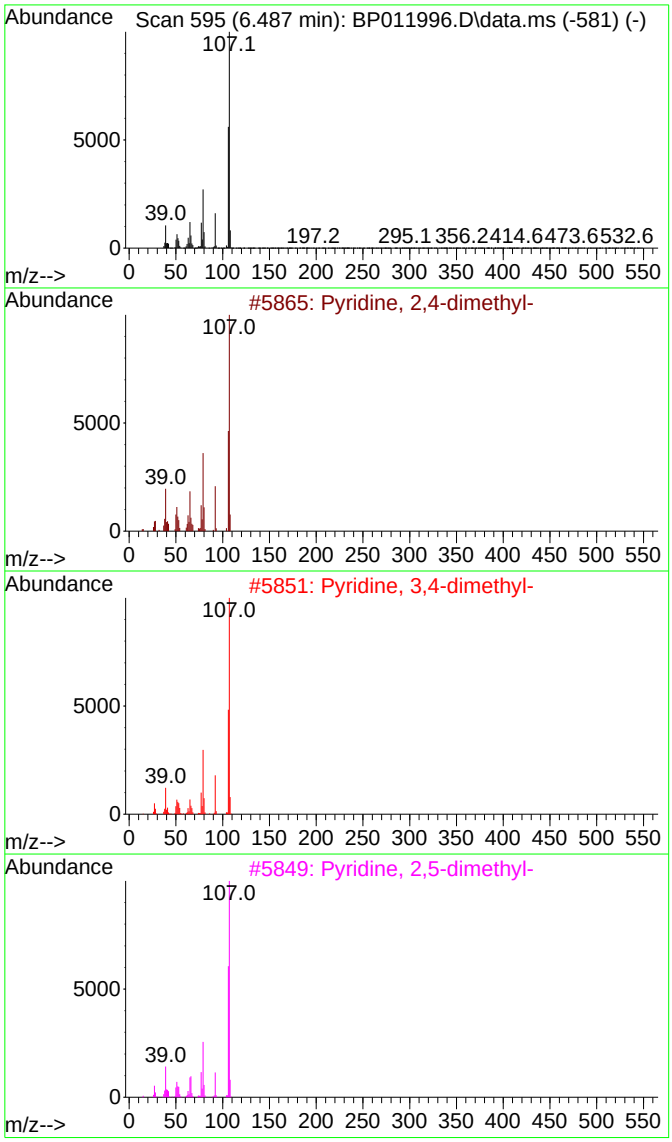
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

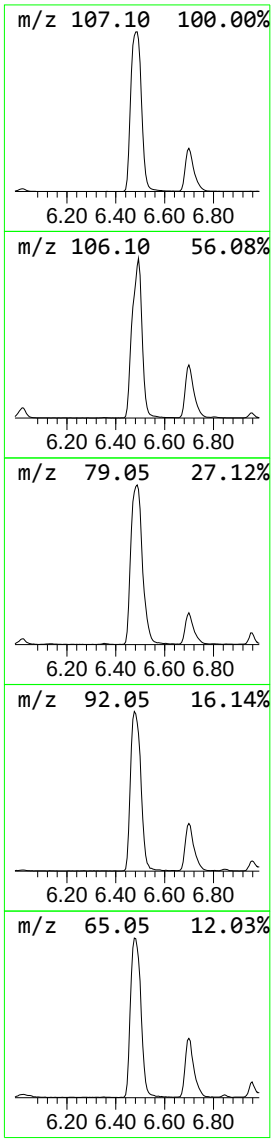
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Pyridine, 2,4-dimethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.487 | 27.53 ng/ul | 7613690 | 1,4-Dichlorobenzene-d4 | 7.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyridine, 2,4-dimethyl- | 107 | C7H9N | 000108-47-4 | 96 |
| 2 | Pyridine, 3,4-dimethyl- | 107 | C7H9N | 000583-58-4 | 94 |
| 3 | Pyridine, 2,5-dimethyl- | 107 | C7H9N | 000589-93-5 | 91 |
| 4 | Pyridine, 3,4-dimethyl- | 107 | C7H9N | 000583-58-4 | 91 |
| 5 | Pyridine, 3,5-dimethyl- | 107 | C7H9N | 000591-22-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

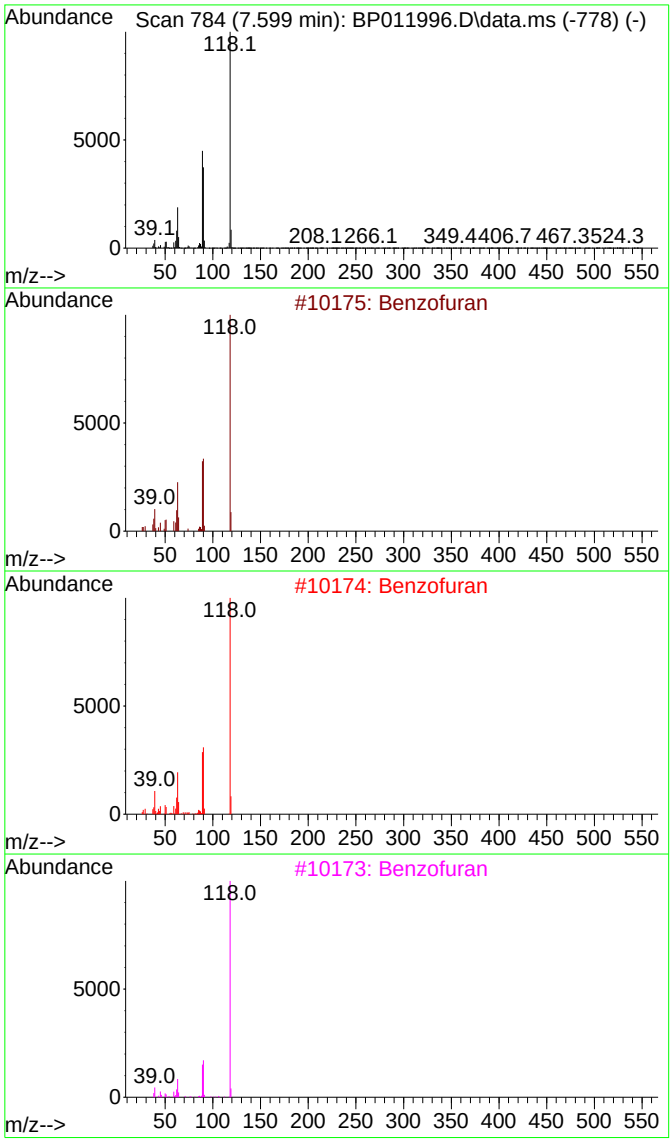
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

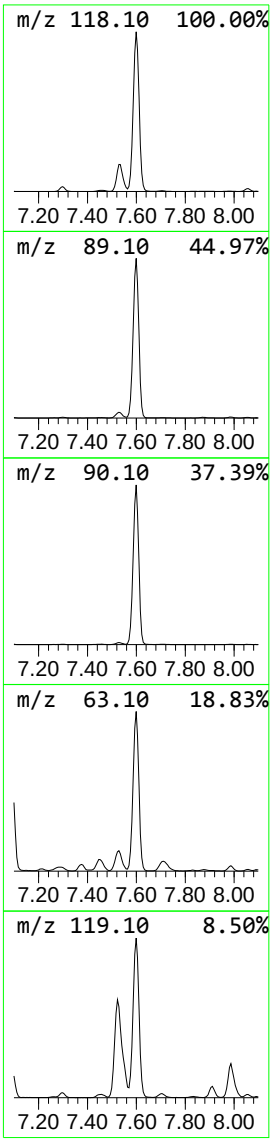
**********

Peak Number 7 Benzofuran Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.599 | 36.79 ng/ul | 10175000 | 1,4-Dichlorobenzene-d4 | 7.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran | 118 | C8H6O | 000271-89-6 | 95 |
| 2 | Benzofuran | 118 | C8H6O | 000271-89-6 | 91 |
| 3 | Benzofuran | 118 | C8H6O | 000271-89-6 | 90 |
| 4 | Benzofuran | 118 | C8H6O | 000271-89-6 | 87 |
| 5 | 3-Hydroxyphenylacetylene | 118 | C8H6O | 010401-11-3 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

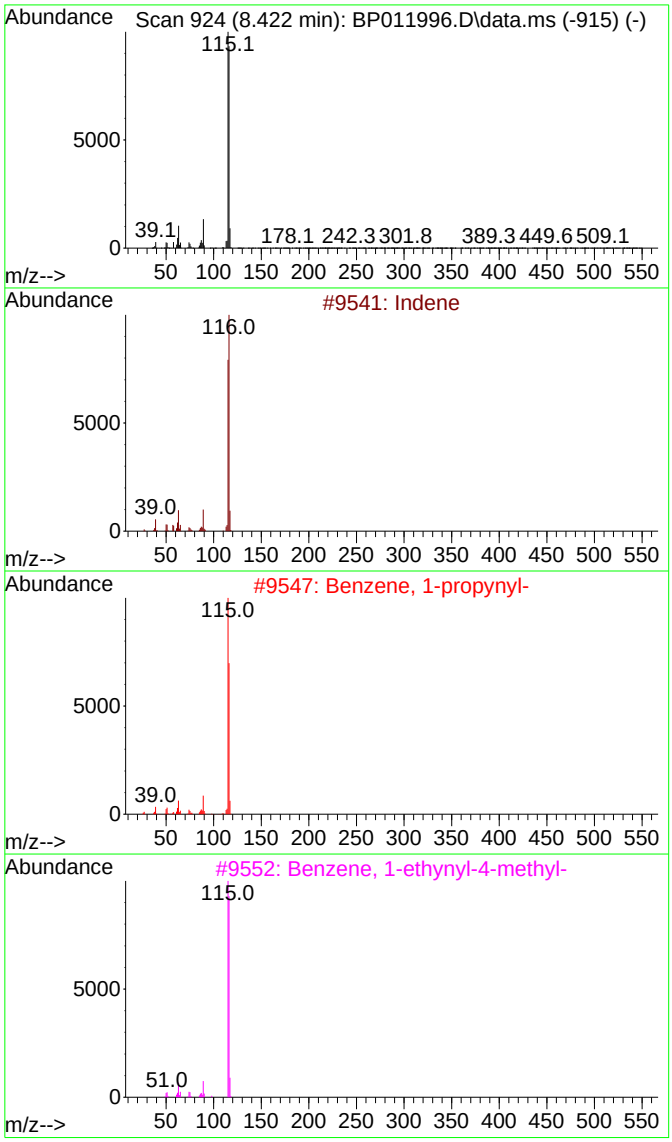
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

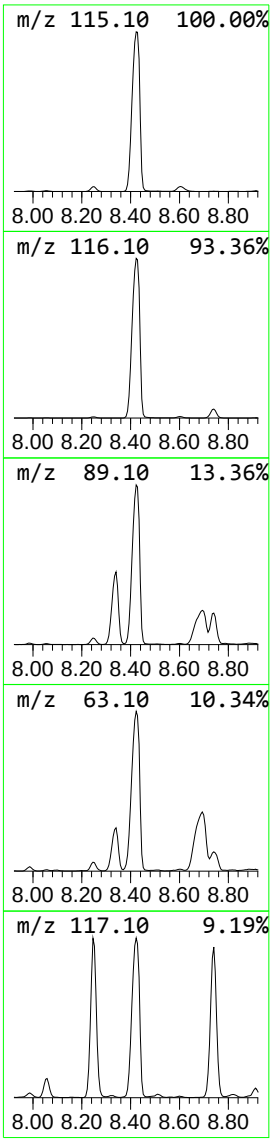
**********

Peak Number 9 Indene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.422 | 114.86 ng/ul | 31771100 | 1,4-Dichlorobenzene-d4 | 7.875 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 3 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 91 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 5 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

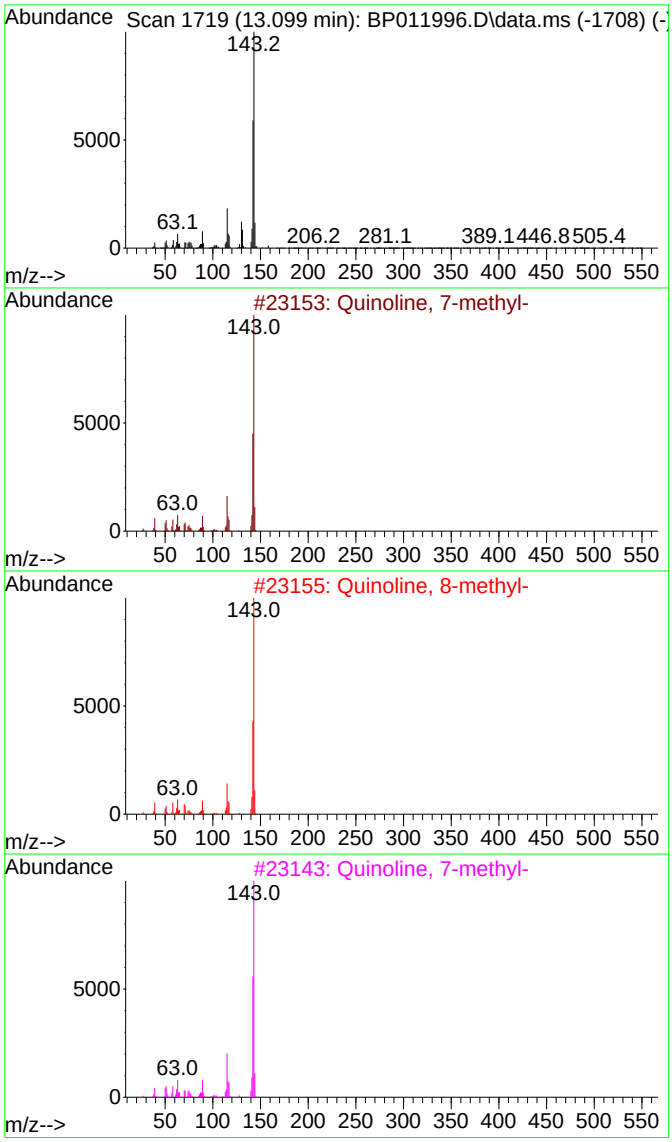
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

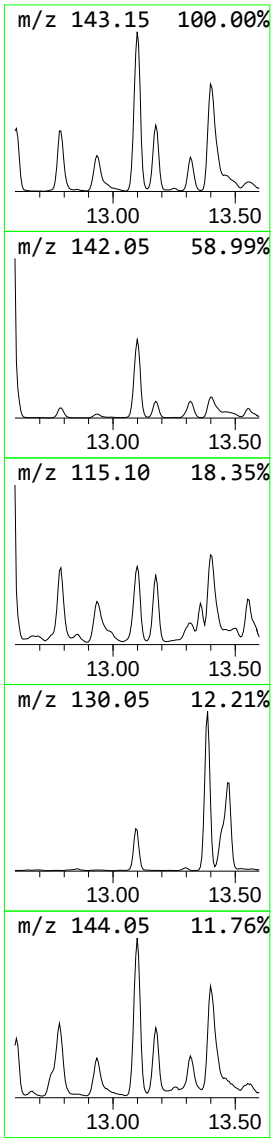
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Quinoline, 7-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.099 | 38.85 ng/ul | 8345890 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Quinoline, 7-methyl- | 143 | C10H9N | 000612-60-2 | 96 |
| 2 | Quinoline, 8-methyl- | 143 | C10H9N | 000611-32-5 | 96 |
| 3 | Quinoline, 7-methyl- | 143 | C10H9N | 000612-60-2 | 96 |
| 4 | Quinoline, 6-methyl- | 143 | C10H9N | 000091-62-3 | 95 |
| 5 | Quinoline, 8-methyl- | 143 | C10H9N | 000611-32-5 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

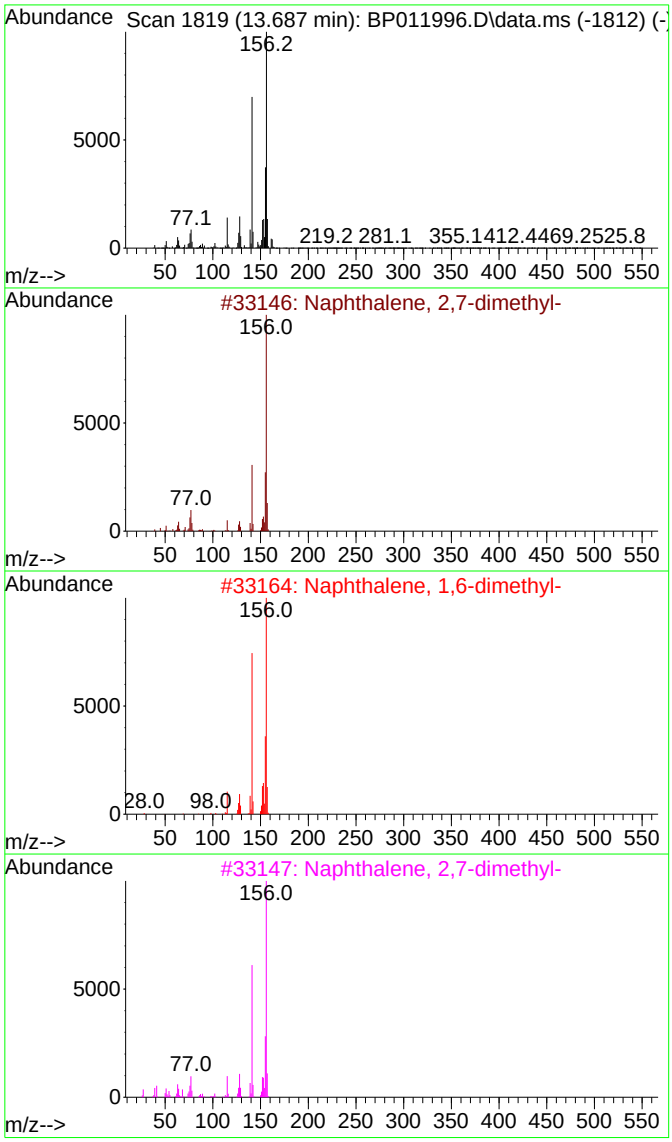
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

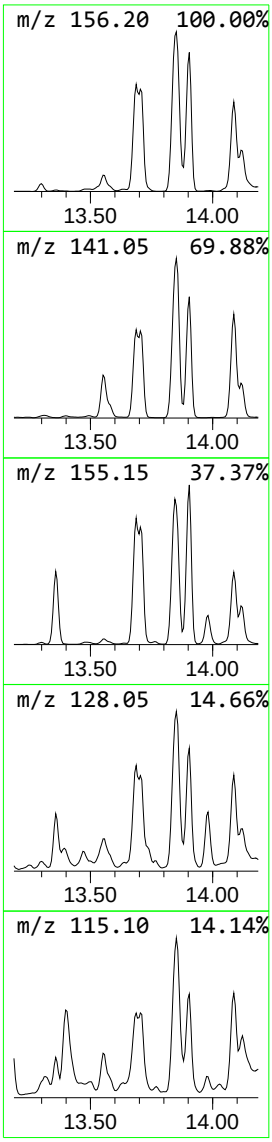
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Naphthalene, 2,7-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.687 | 51.98 ng/ul | 11166000 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

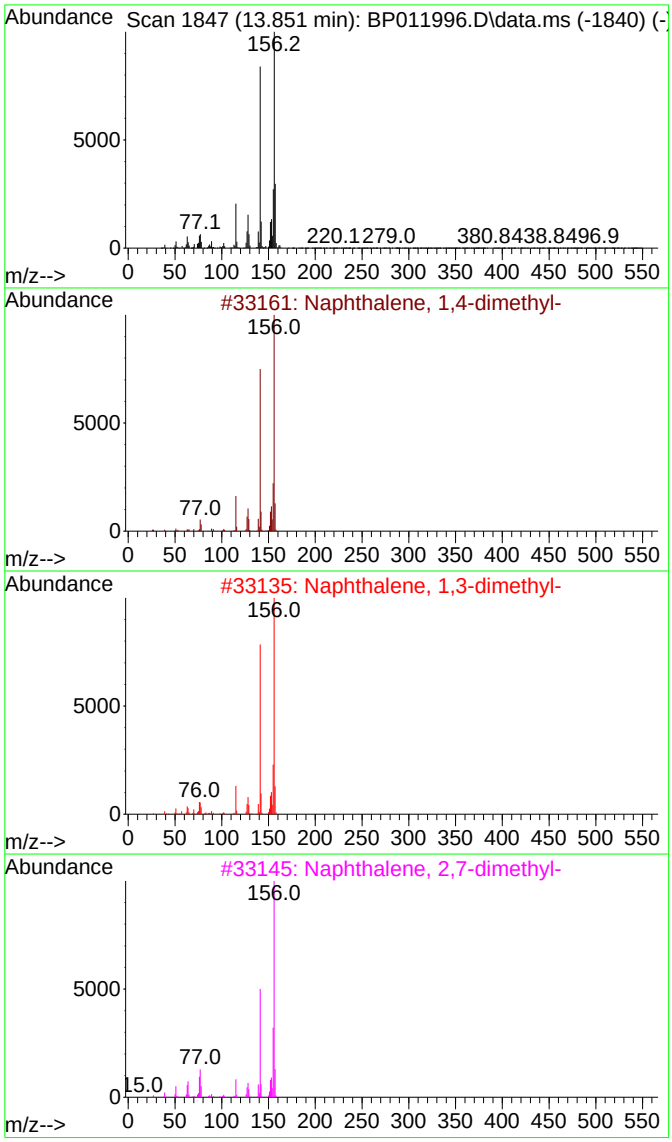
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

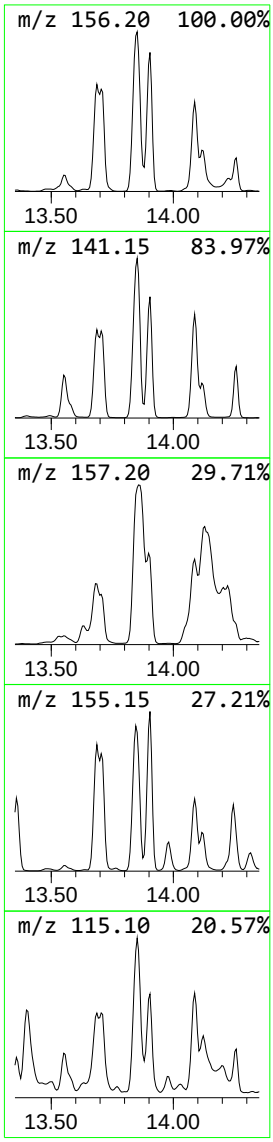
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Naphthalene, 1,4-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.851 | 93.93 ng/ul | 20176000 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 95 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

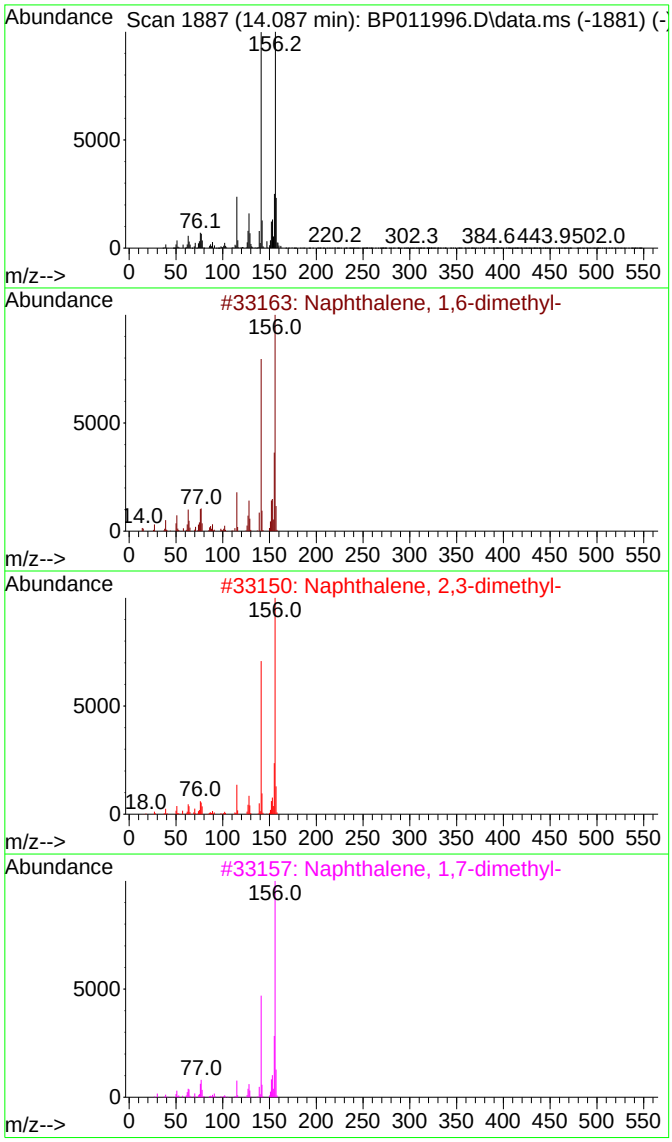
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

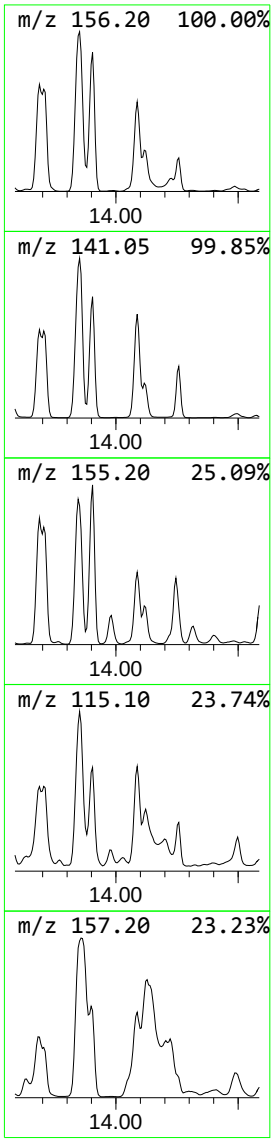
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Naphthalene, 1,6-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.087 | 42.10 ng/ul | 9043090 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

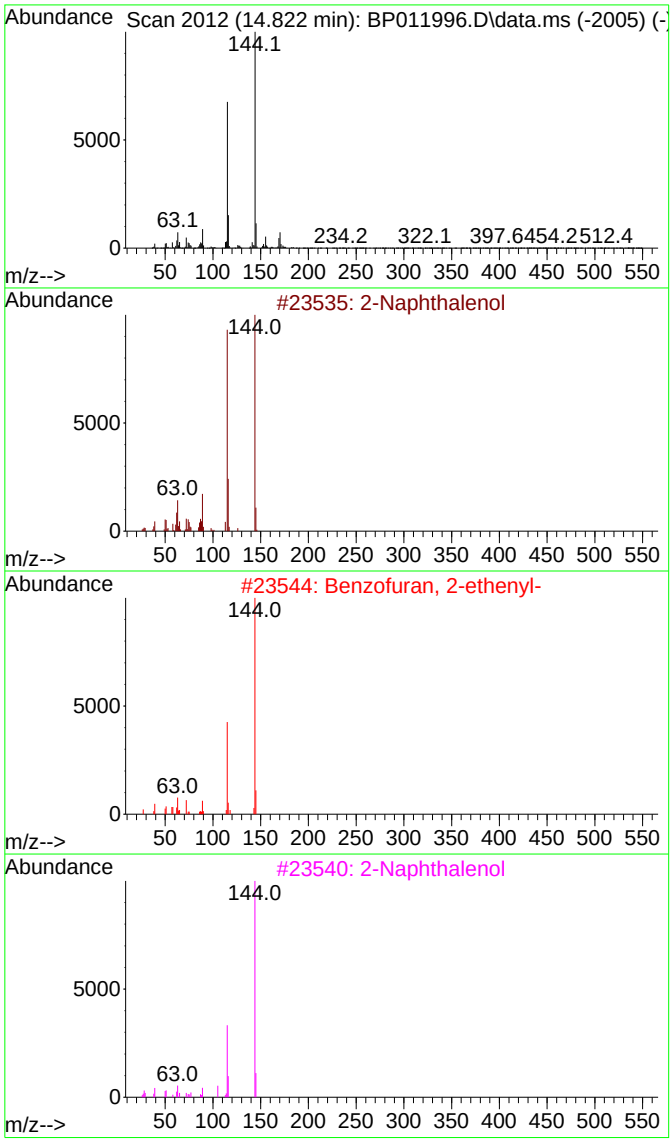
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

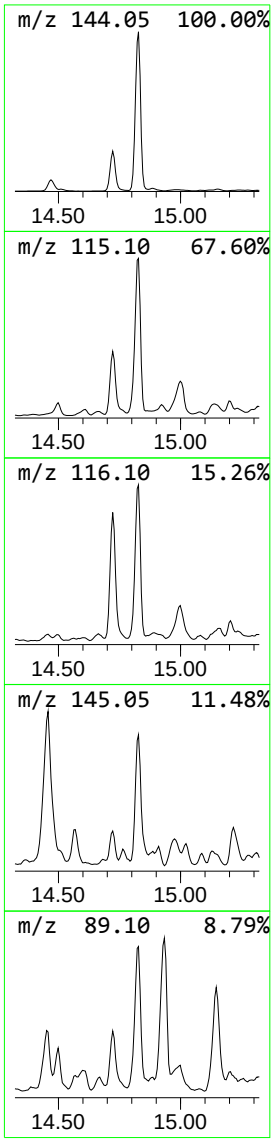
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 2-Naphthalenol Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.822 | 41.57 ng/ul | 8929000 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenol | 144 | C10H8O | 000135-19-3 | 91 |
| 2 | Benzofuran, 2-ethenyl- | 144 | C10H8O | 007522-79-4 | 90 |
| 3 | 2-Naphthalenol | 144 | C10H8O | 000135-19-3 | 90 |
| 4 | Furan, 3-phenyl- | 144 | C10H8O | 013679-41-9 | 87 |
| 5 | Furan, 3-phenyl- | 144 | C10H8O | 013679-41-9 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

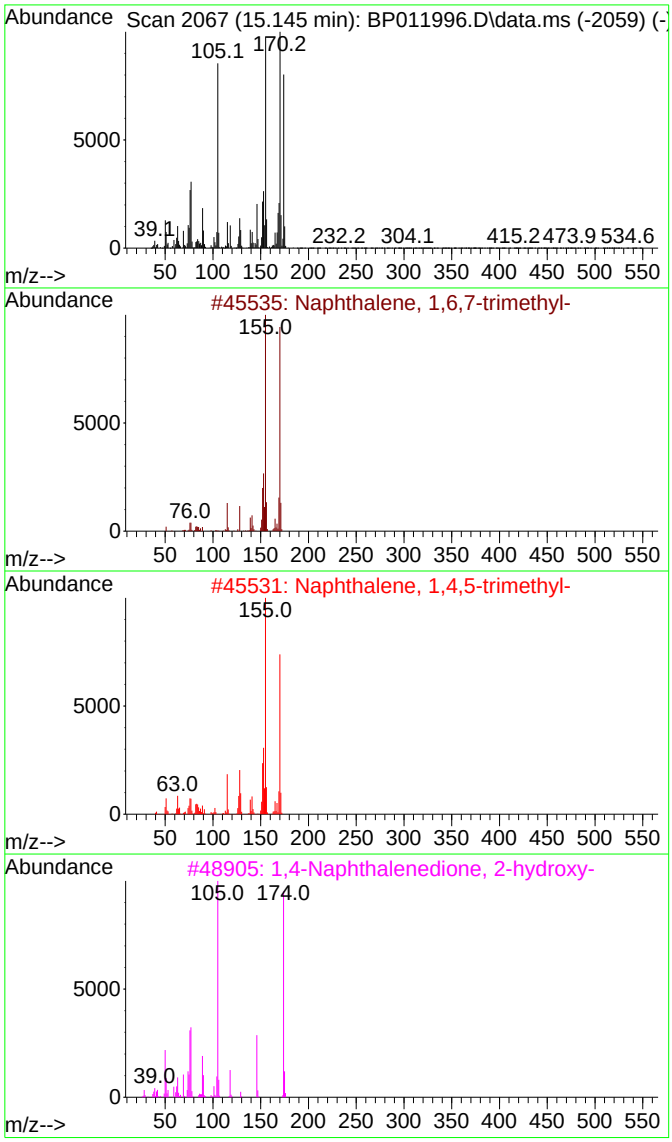
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

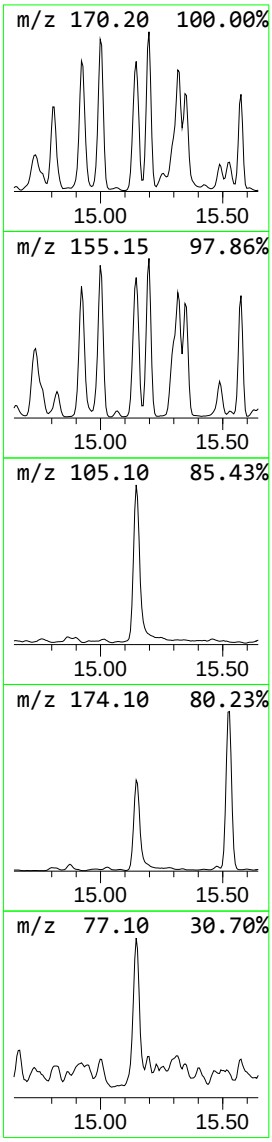
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.146 | 51.98 ng/ul | 11166300 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 2 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 95 |
| 3 | 1,4-Naphthalenedione, 2-hydroxy- | 174 | C10H6O3 | 000083-72-7 | 92 |
| 4 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 92 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

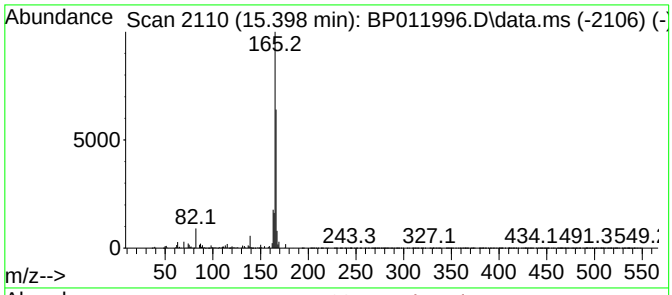
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

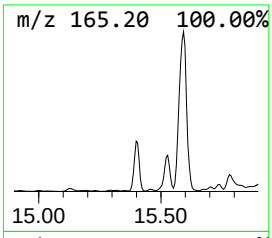
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

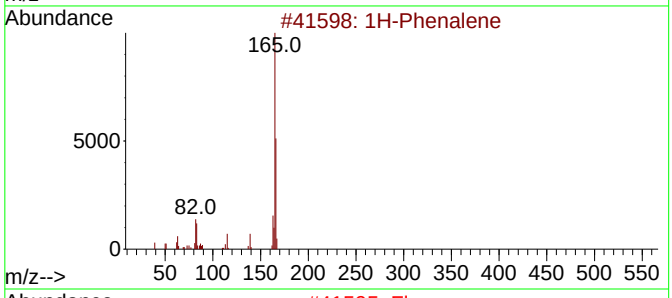
**********
Peak Number 25 1H-Phenalene Concentration Rank 28

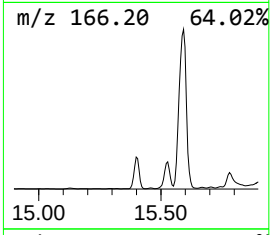
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.398 | 31.31 ng/ul | 6725860 | Acenaphthene-d10 | 14.528 |

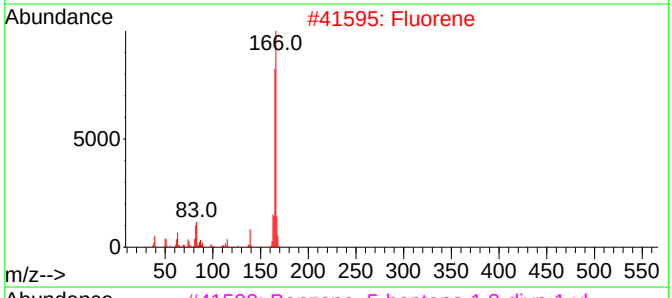
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Phenalene | 166 | C13H10 | 000203-80-5 | 78 |
| 2 | Fluorene | 166 | C13H10 | 000086-73-7 | 58 |
| 3 | Benzene, 5-heptene-1,3-diyn-1-yl- | 166 | C13H10 | 013678-98-3 | 50 |
| 4 | Fluorene | 166 | C13H10 | 000086-73-7 | 46 |
| 5 | Fluorene | 166 | C13H10 | 000086-73-7 | 46 |

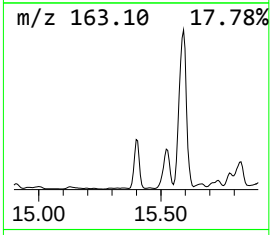


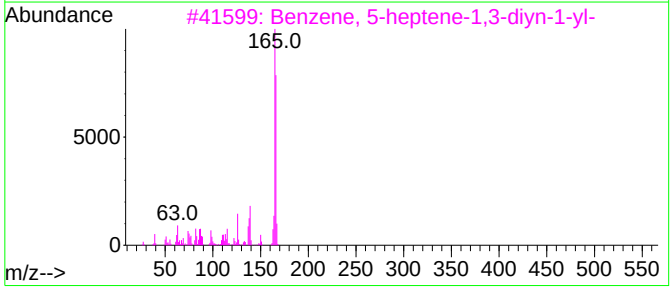



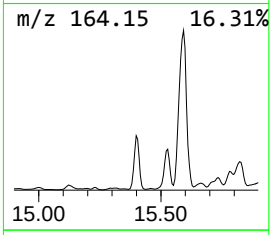



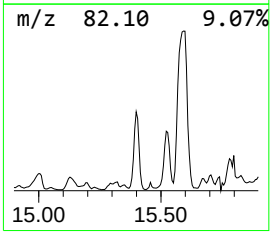



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

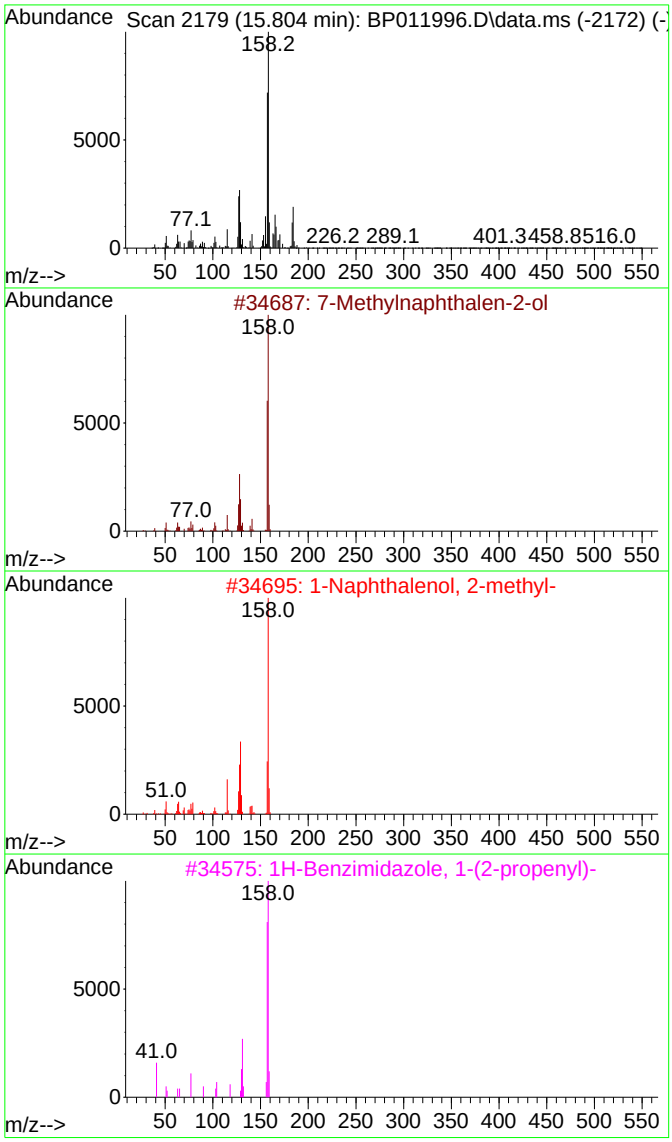
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

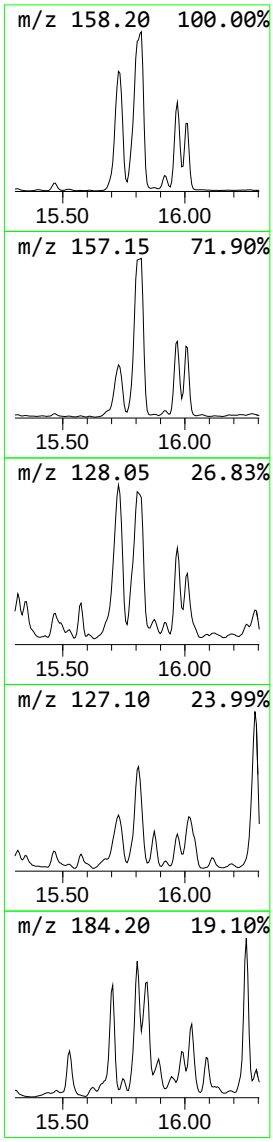
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 7-Methylnaphthalen-2-ol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.804 | 60.14 ng/ul | 12917500 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methylnaphthalen-2-ol | 158 | C11H10O | 026593-50-0 | 86 |
| 2 | 1-Naphthalenol, 2-methyl- | 158 | C11H10O | 007469-77-4 | 47 |
| 3 | 1H-Benzimidazole, 1-(2-propenyl)- | 158 | C10H10N2 | 019018-22-5 | 46 |
| 4 | 2,3-Dihydro-1H-benzo[d]pyrrolo[1... | 158 | C10H10N2 | 1000443-06-8 | 46 |
| 5 | 1-Naphthalenol, 2-methyl- | 158 | C11H10O | 007469-77-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

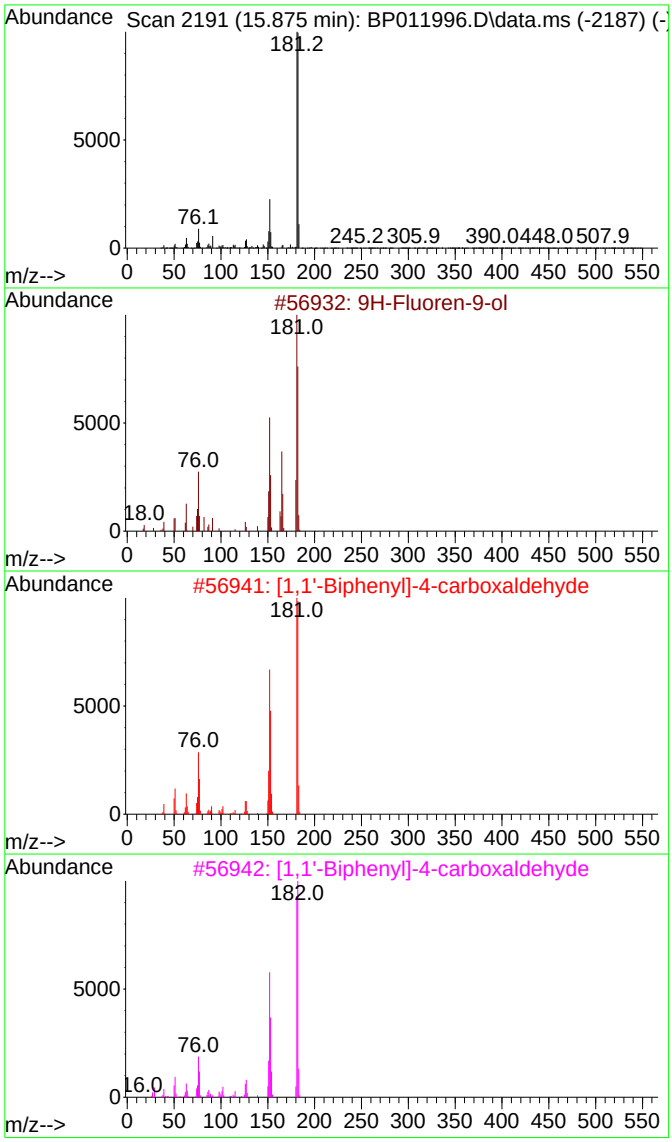
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

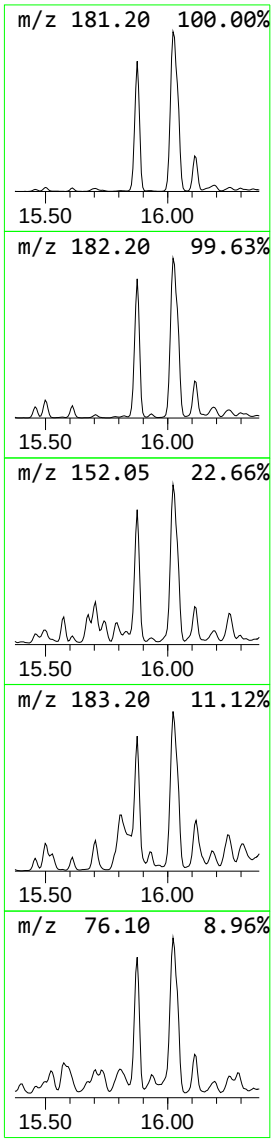
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 9H-Fluoren-9-ol Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.875 | 36.03 ng/ul | 7738820 | Acenaphthene-d10 | 14.528 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |
| 4 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 78 |
| 5 | Pyrido[2,3-b]indole, 6-methyl- | 182 | C12H10N2 | 108349-67-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

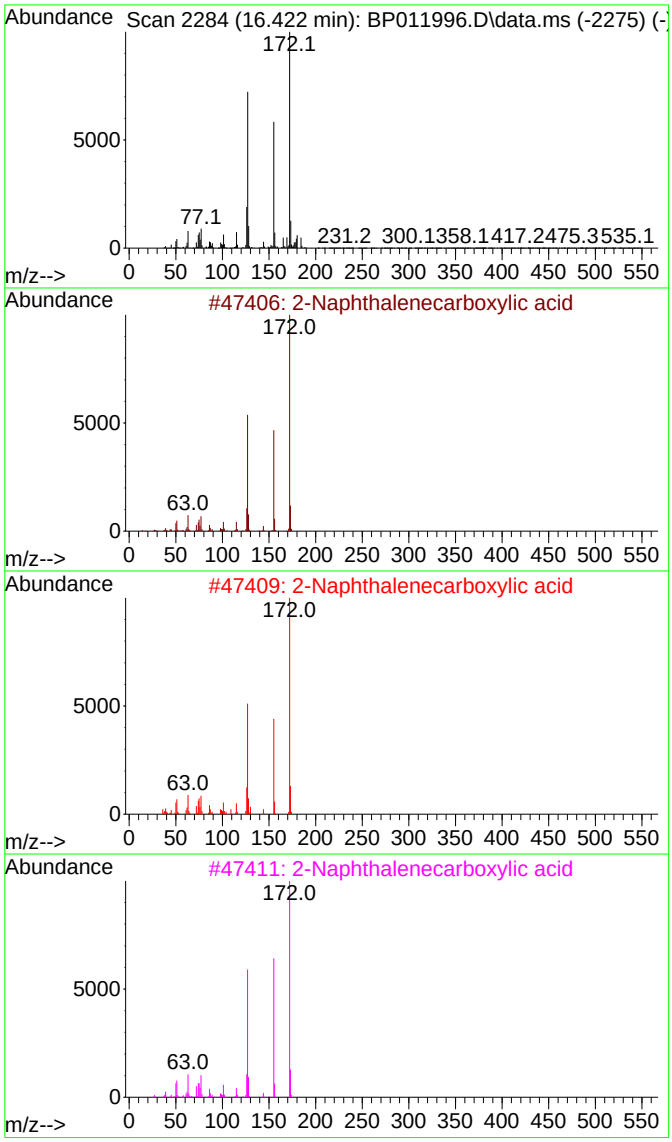
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

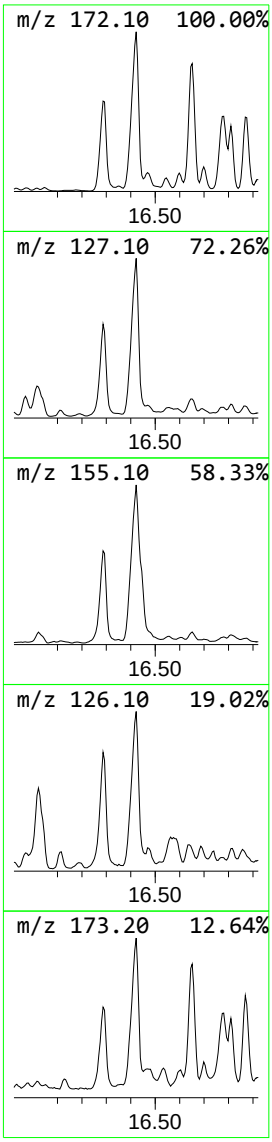
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 2-Naphthalenecarboxylic acid Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.422 | 36.66 ng/ul | 8259890 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 96 |
| 2 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 93 |
| 3 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 93 |
| 4 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 93 |
| 5 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

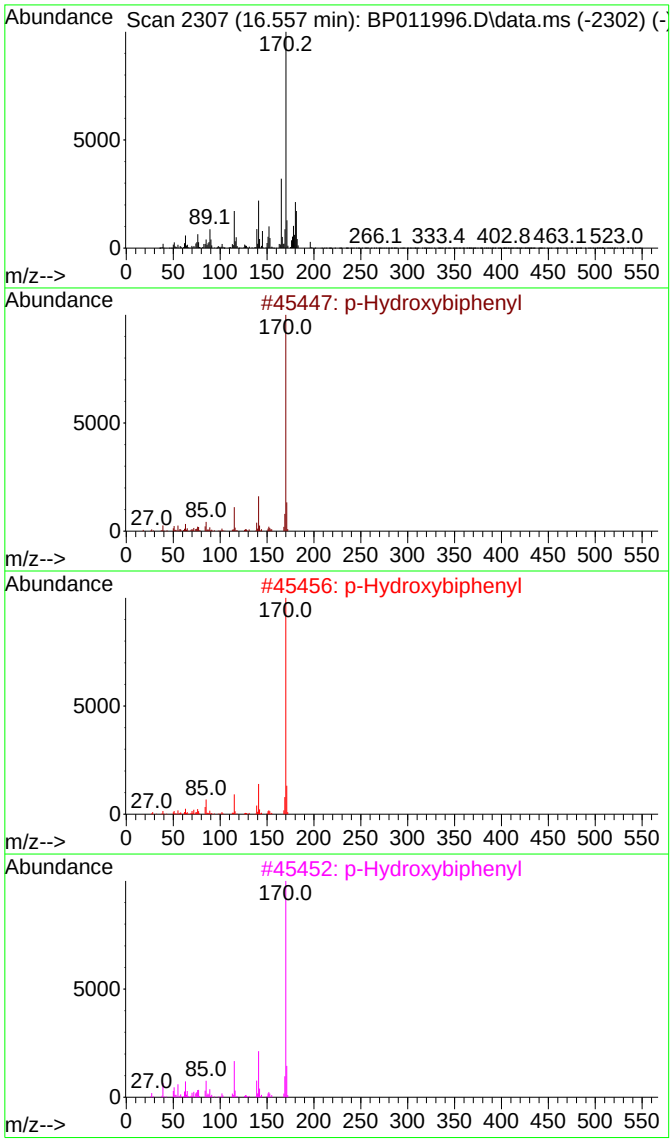
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

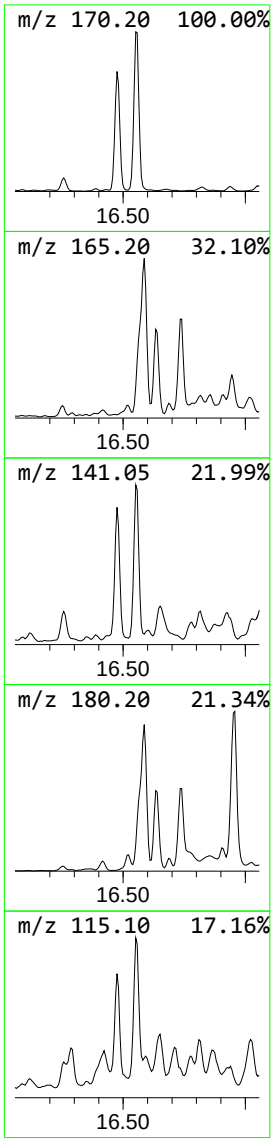
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 p-Hydroxybiphenyl Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.557 | 49.86 ng/ul | 11234800 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 60 |
| 2 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 60 |
| 3 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 60 |
| 4 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 60 |
| 5 | 3-Hydroxybiphenyl | 170 | C12H10O | 000580-51-8 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

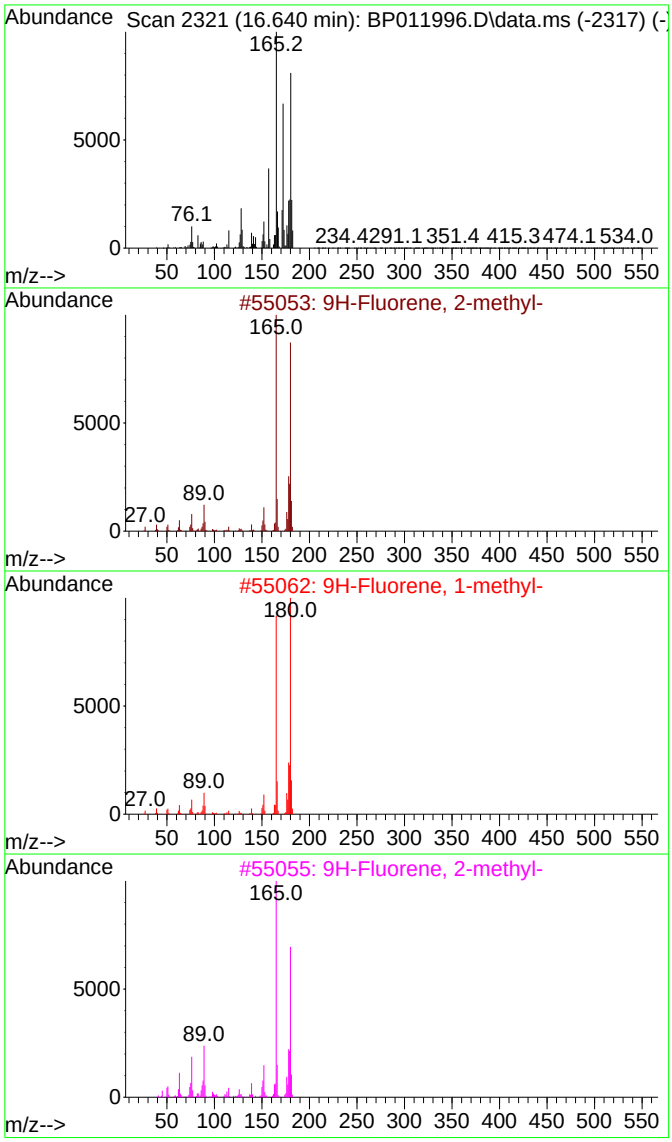
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

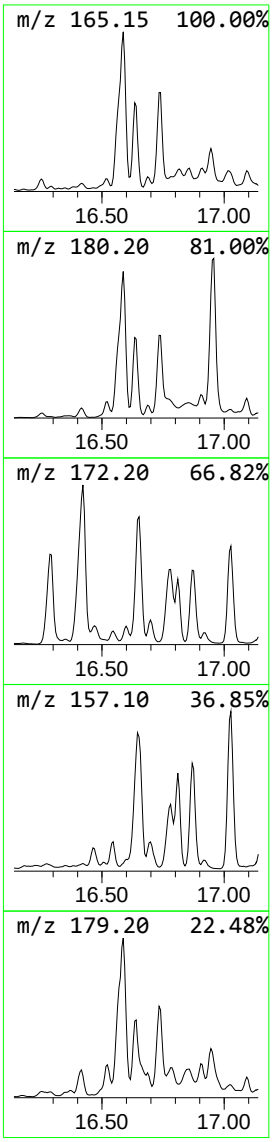
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 33 9H-Fluorene, 2-methyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.640 | 31.78 ng/ul | 7159780 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 91 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 90 |
| 3 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 78 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 60 |
| 5 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

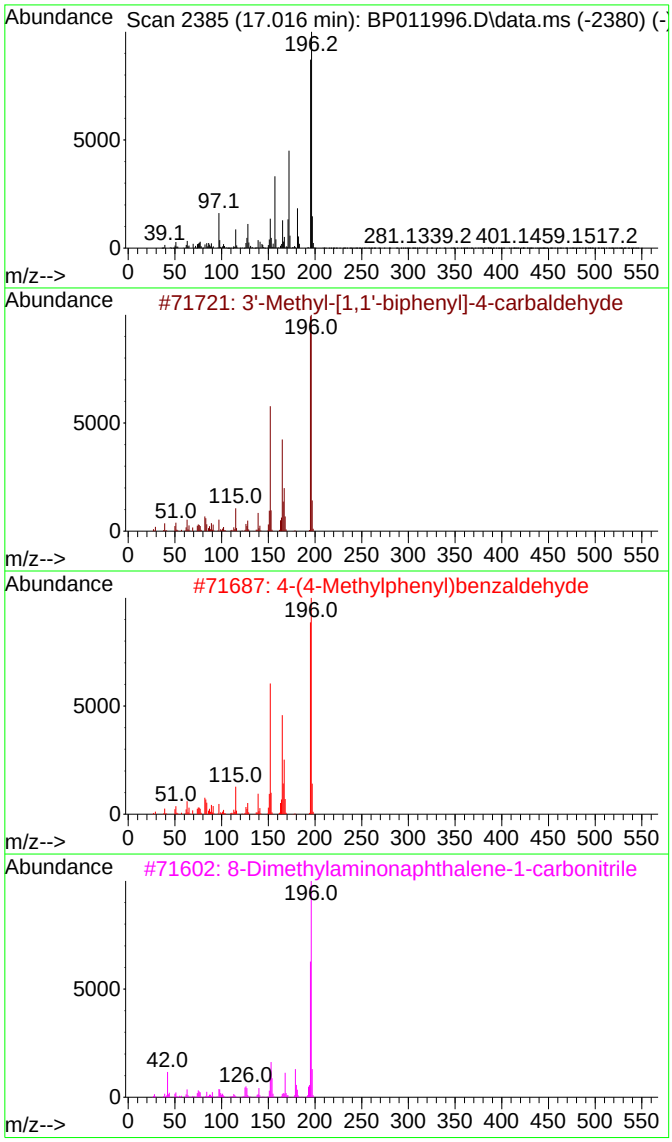
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

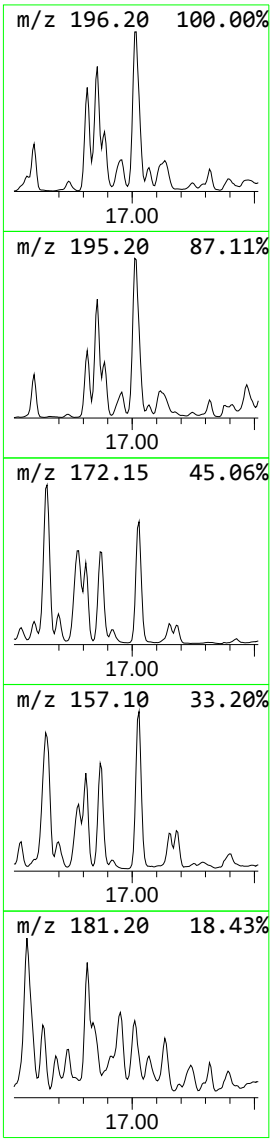
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 35 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.016 | 34.77 ng/ul | 7833670 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 83 |
| 2 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 58 |
| 3 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 50 |
| 4 | 4-{Pyrazolo[1,5-a]pyrimidin-7-yl... | 196 | C11H8N4 | 1000443-78-9 | 49 |
| 5 | Perimidine, 2-ethyl- | 196 | C13H12N2 | 028478-13-9 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

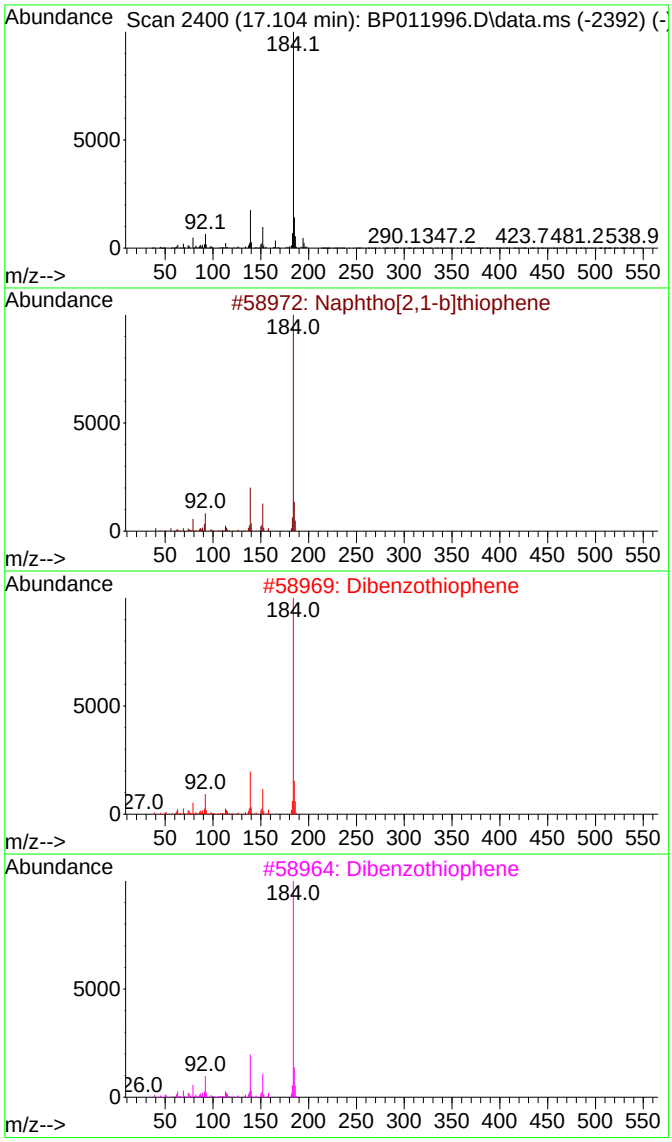
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

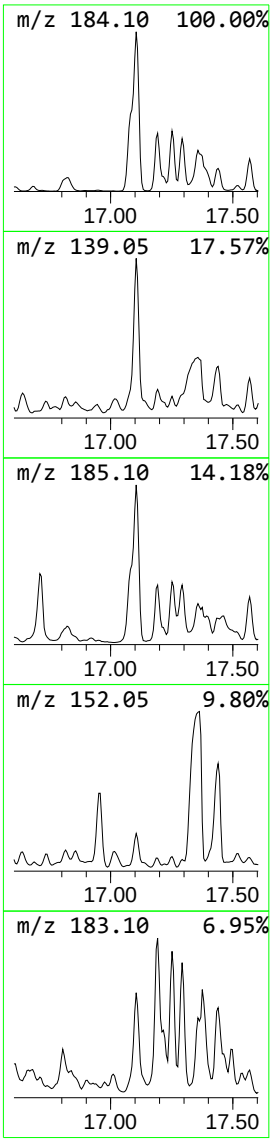
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 36 Naphtho[2,1-b]thiophene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.104 | 65.09 ng/ul | 14666800 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 93 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

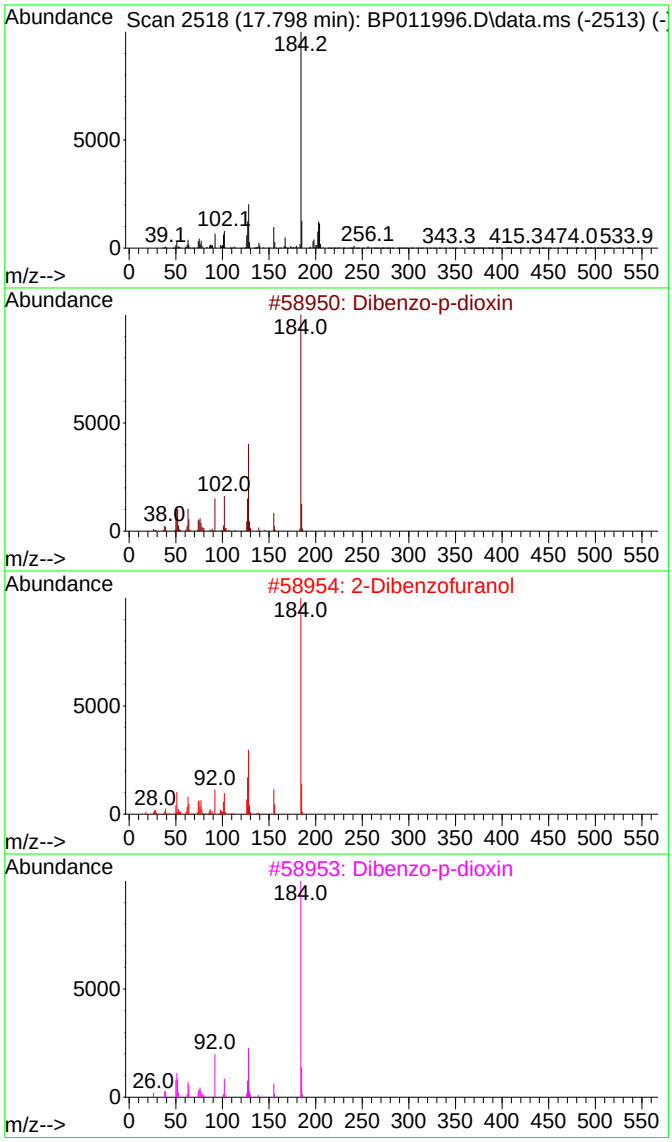
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

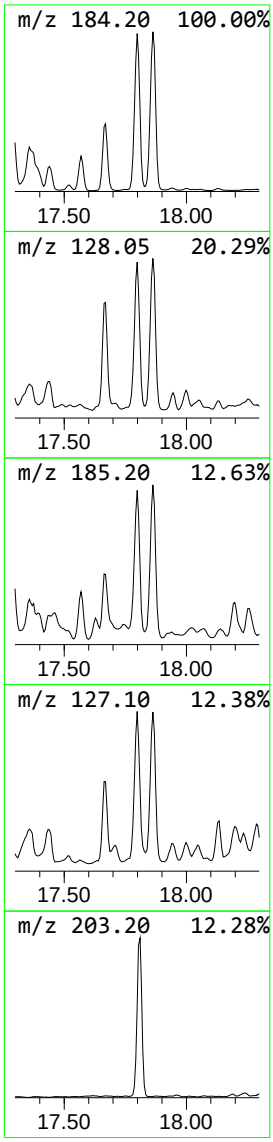
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 Dibenzo-p-dioxin Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.798 | 53.90 ng/ul | 12143700 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 76 |
| 2 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 68 |
| 3 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 64 |
| 4 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 59 |
| 5 | 3-(Pyridine-3-yl)aniline, N-methyl | 184 | C12H12N2 | 1378740-24-9 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

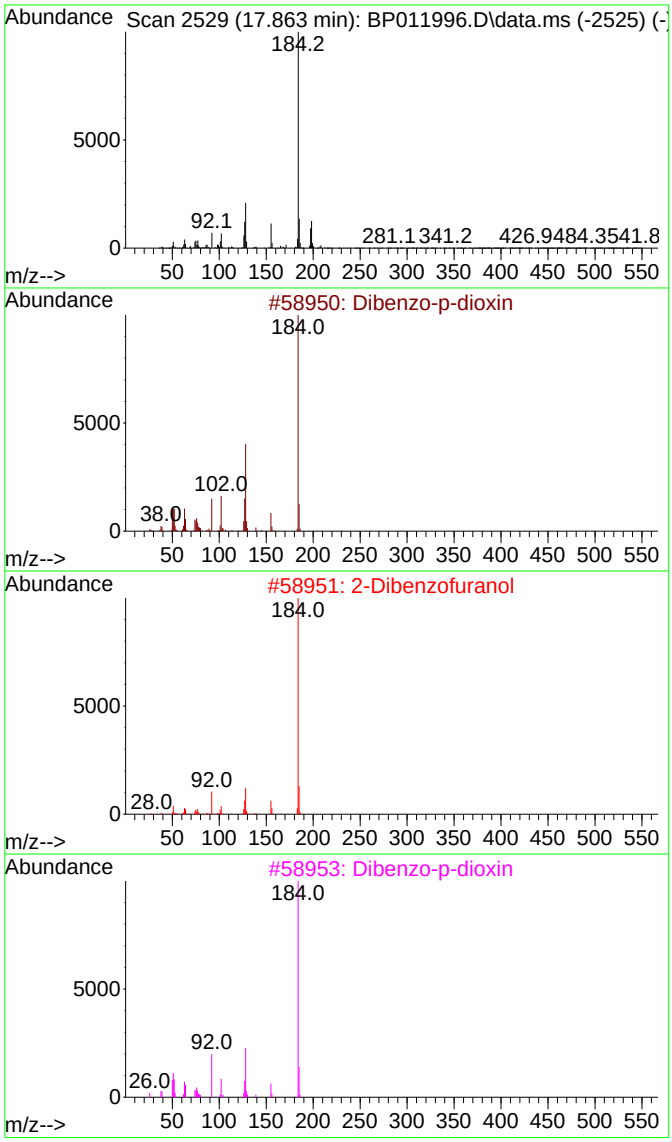
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

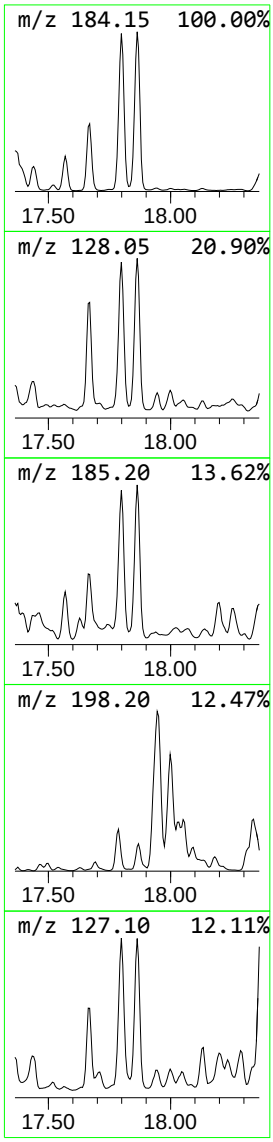
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 39 2-Dibenzofuranol Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.863 | 34.38 ng/ul | 7745530 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 87 |
| 2 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 83 |
| 3 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 80 |
| 4 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 76 |
| 5 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

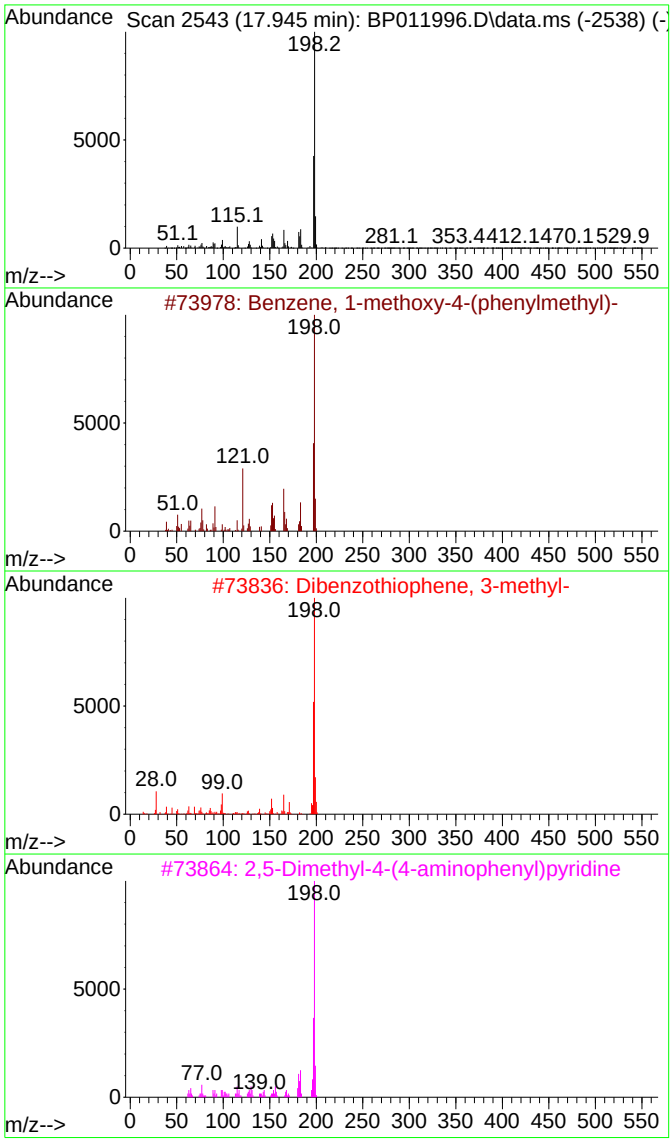
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

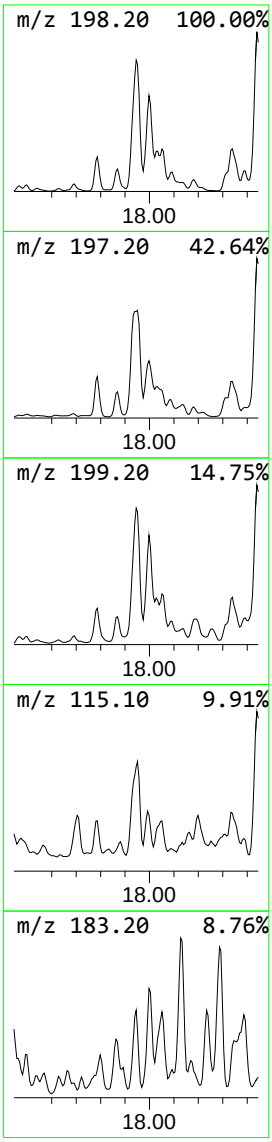
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 40 Benzene, 1-methoxy-4-(pheny... Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.945 | 34.62 ng/ul | 7799460 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methoxy-4-(phenylmeth... | 198 | C14H14O | 000834-14-0 | 91 |
| 2 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 80 |
| 3 | 2,5-Dimethyl-4-(4-aminophenyl)py... | 198 | C13H14N2 | 071153-40-7 | 78 |
| 4 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 72 |
| 5 | Tacrine | 198 | C13H14N2 | 000321-64-2 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

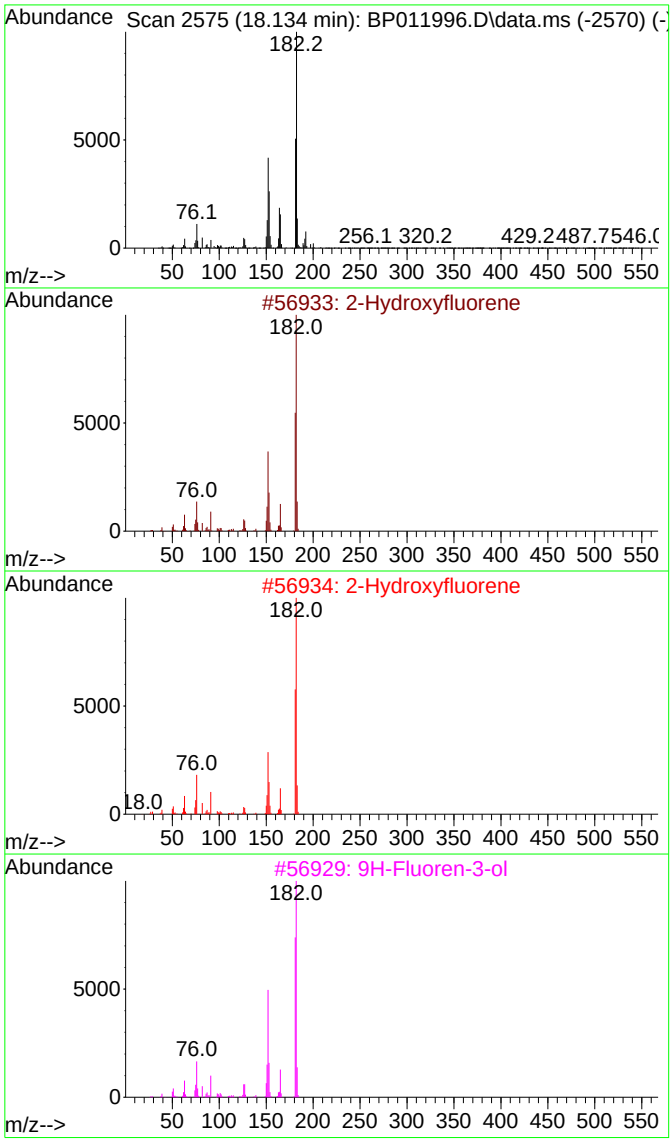
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

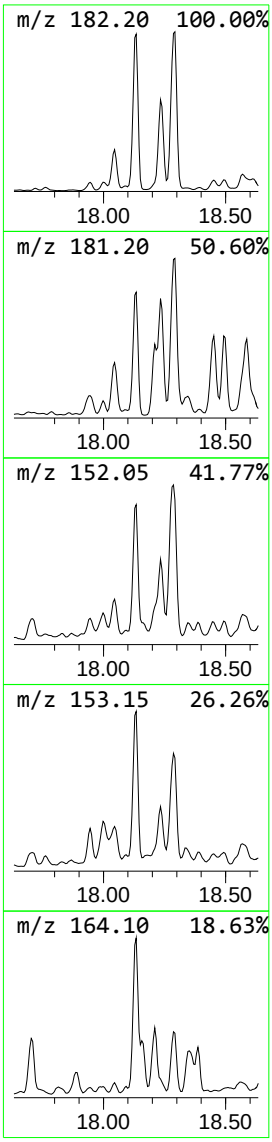
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 42 2-Hydroxyfluorene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.134 | 36.84 ng/ul | 8301150 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 95 |
| 2 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 93 |
| 3 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 93 |
| 4 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 76 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

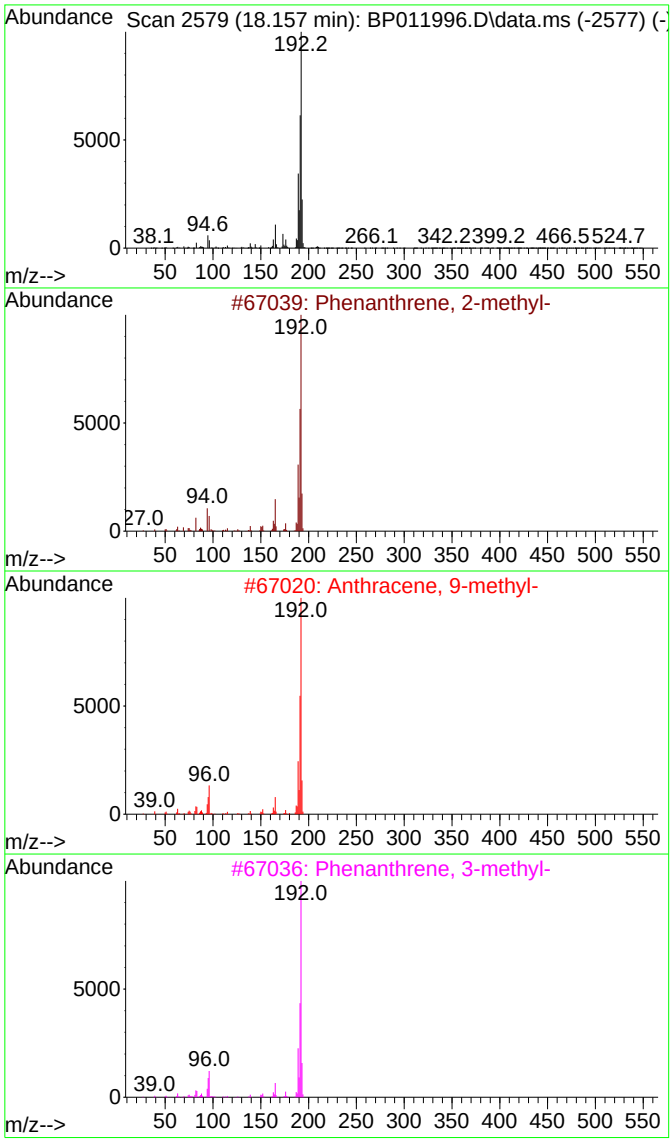
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

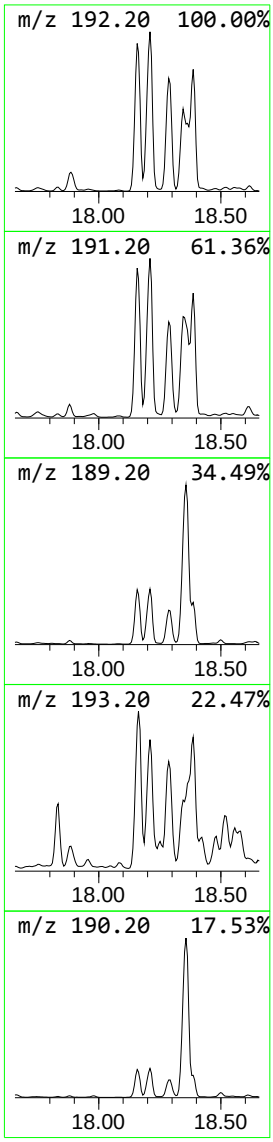
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 43 Phenanthrene, 2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.157 | 49.61 ng/ul | 11177300 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 90 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

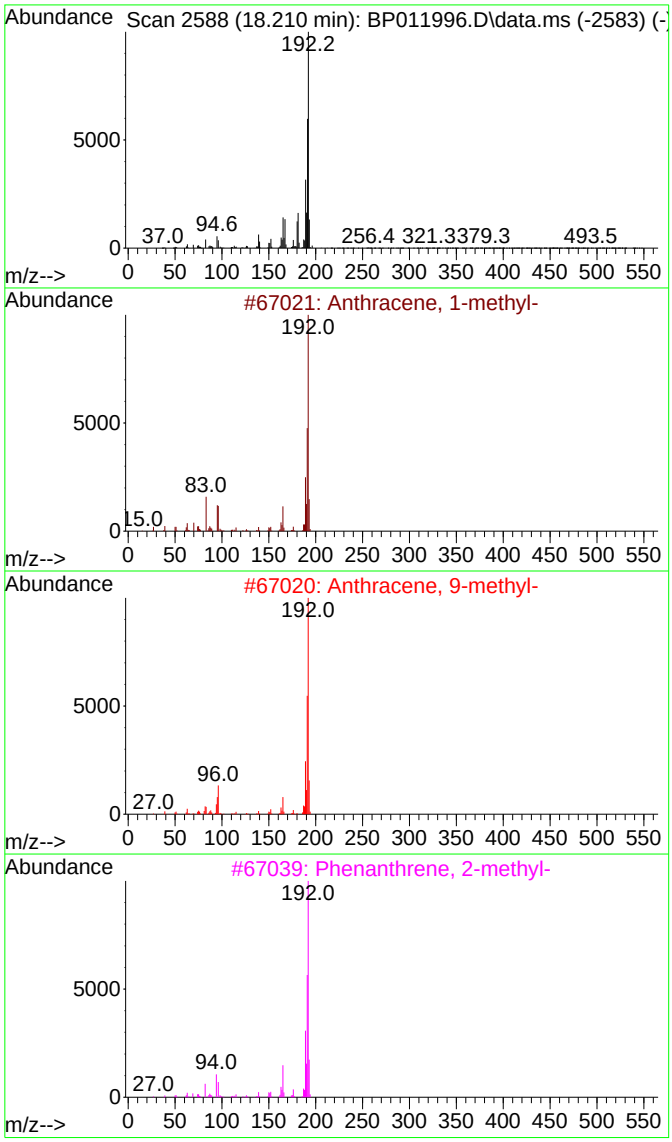
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

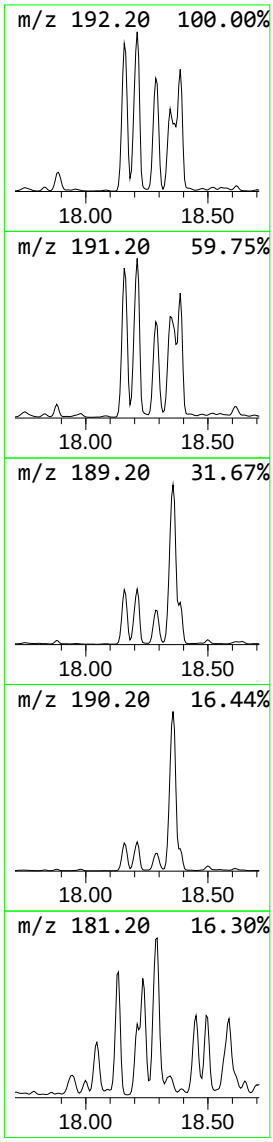
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 44 Anthracene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.210 | 99.01 ng/ul | 22308700 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 89 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 89 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 89 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 86 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

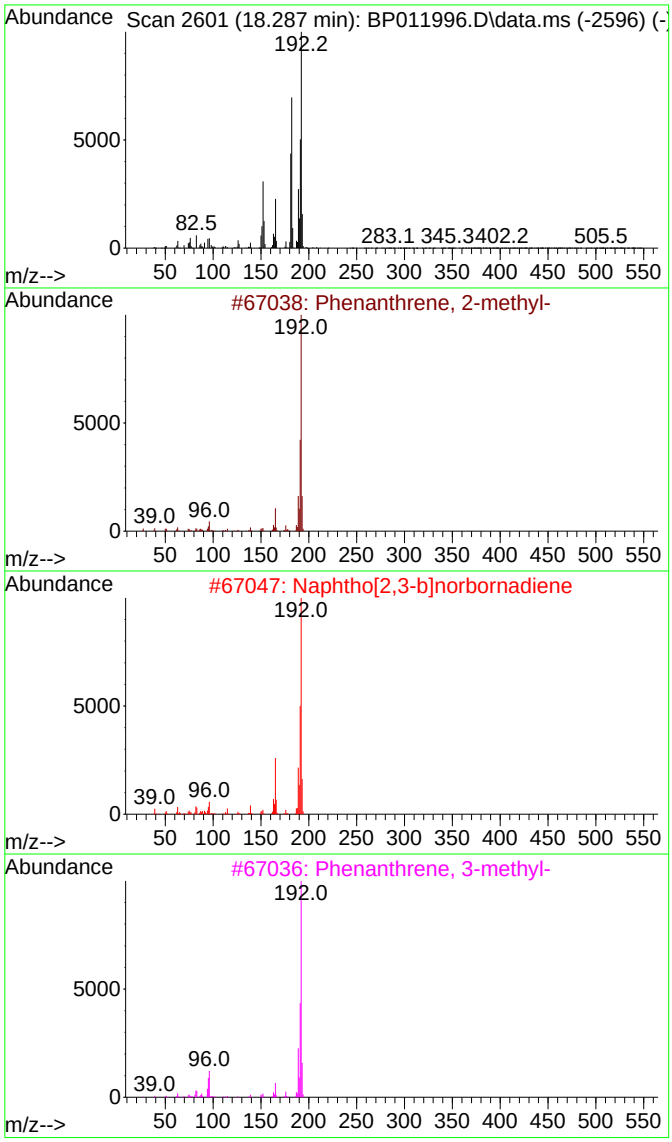
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

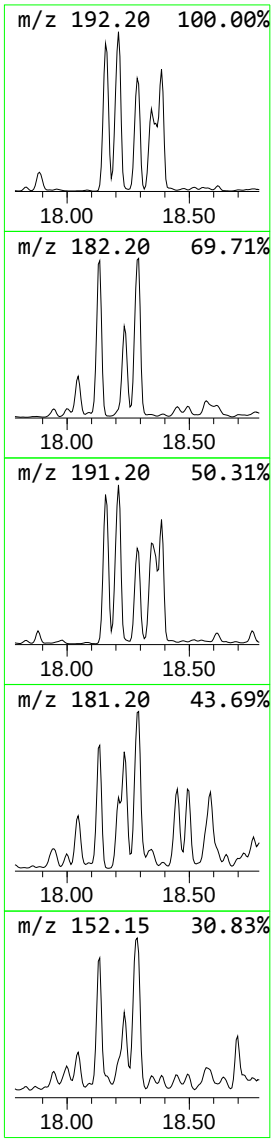
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 45 Naphtho[2,3-b]norbornadiene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.287 | 86.25 ng/ul | 19433400 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 70 |
| 2 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 70 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 55 |
| 4 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 55 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

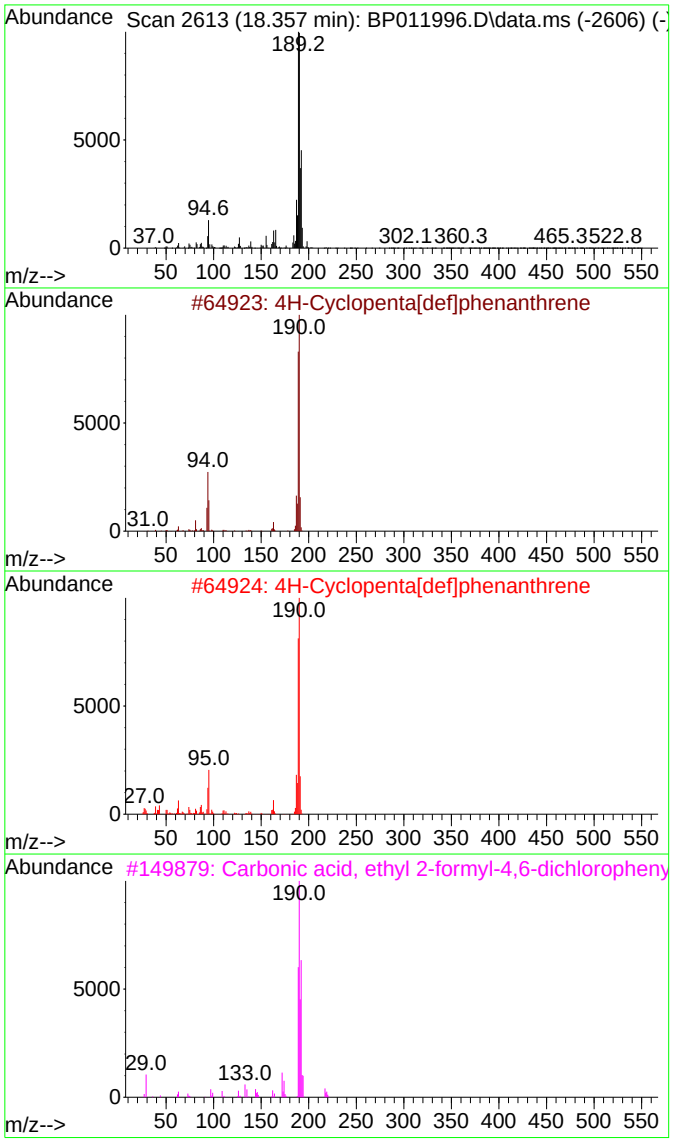
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

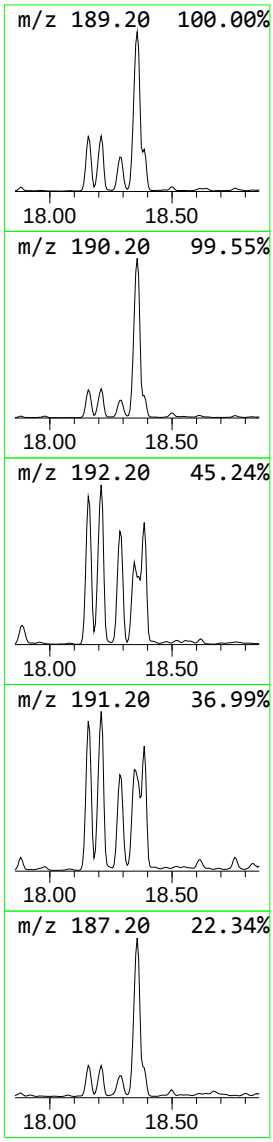
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 46 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.357 | 125.29 ng/ul | 28231000 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 62 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 62 |
| 3 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50 |
| 4 | Phenol, 4-(2-thienylmethyl)- | 190 | C11H10OS | 091680-55-6 | 47 |
| 5 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

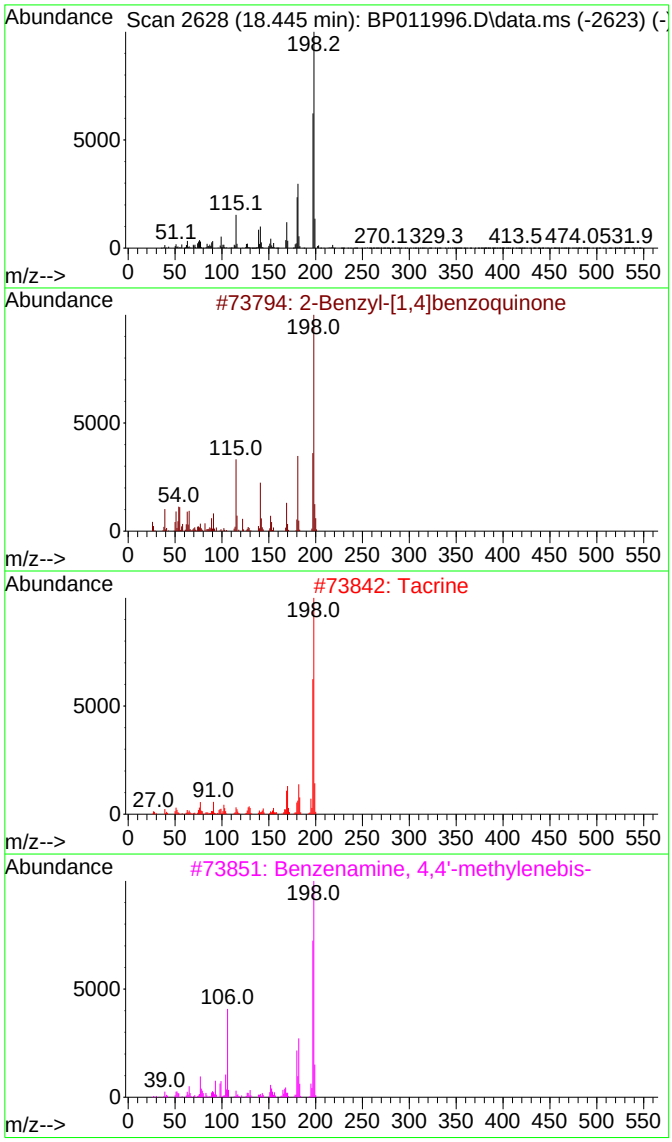
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

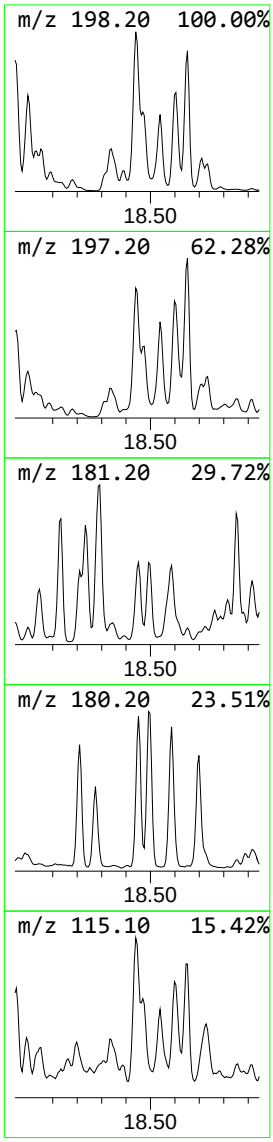
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 47 2-Benzyl-[1,4]benzoquinone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.445 | 55.61 ng/ul | 12531100 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Benzyl-[1,4]benzoquinone | 198 | C13H10O2 | 038940-10-2 | 81 |
| 2 | Tacrine | 198 | C13H14N2 | 000321-64-2 | 59 |
| 3 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 53 |
| 4 | Benzenamine, 4,4'-methylenebis- | 198 | C13H14N2 | 000101-77-9 | 52 |
| 5 | 2,5-Dimethyl-4-(4-aminophenyl)py... | 198 | C13H14N2 | 071153-40-7 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

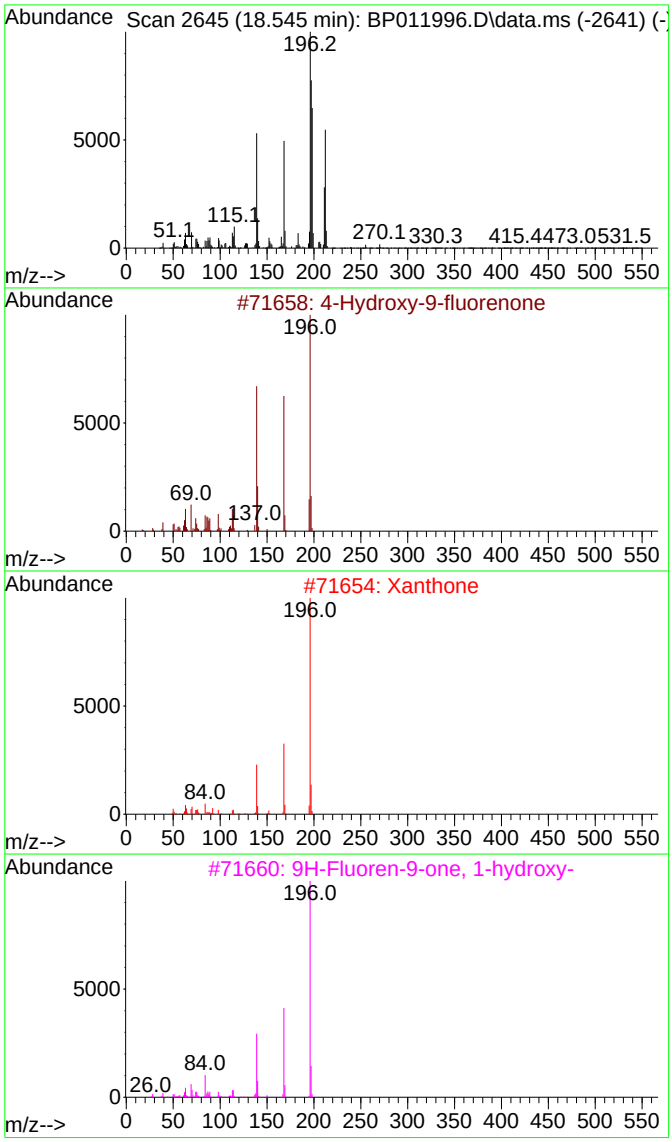
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

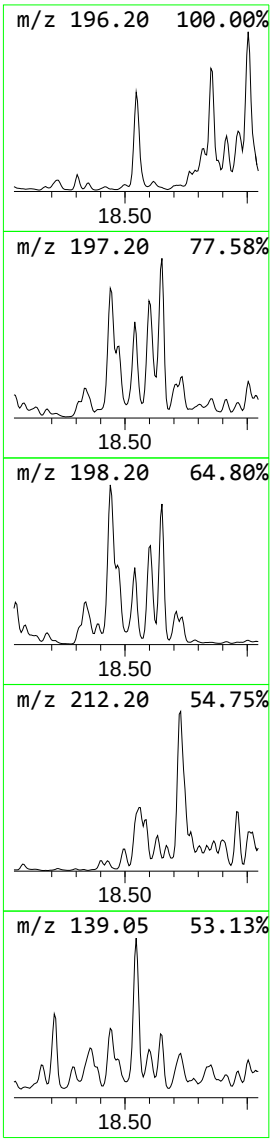
**********

Peak Number 48 4-Hydroxy-9-fluorenone Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.545 | 33.05 ng/ul | 7447340 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Hydroxy-9-fluorenone | 196 | C13H8O2 | 001986-00-1 | 64 |
| 2 | Xanthone | 196 | C13H8O2 | 000090-47-1 | 50 |
| 3 | 9H-Fluoren-9-one, 1-hydroxy- | 196 | C13H8O2 | 006344-60-1 | 46 |
| 4 | Xanthone | 196 | C13H8O2 | 000090-47-1 | 43 |
| 5 | 2-Hydroxy-9-fluorenone | 196 | C13H8O2 | 006949-73-1 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

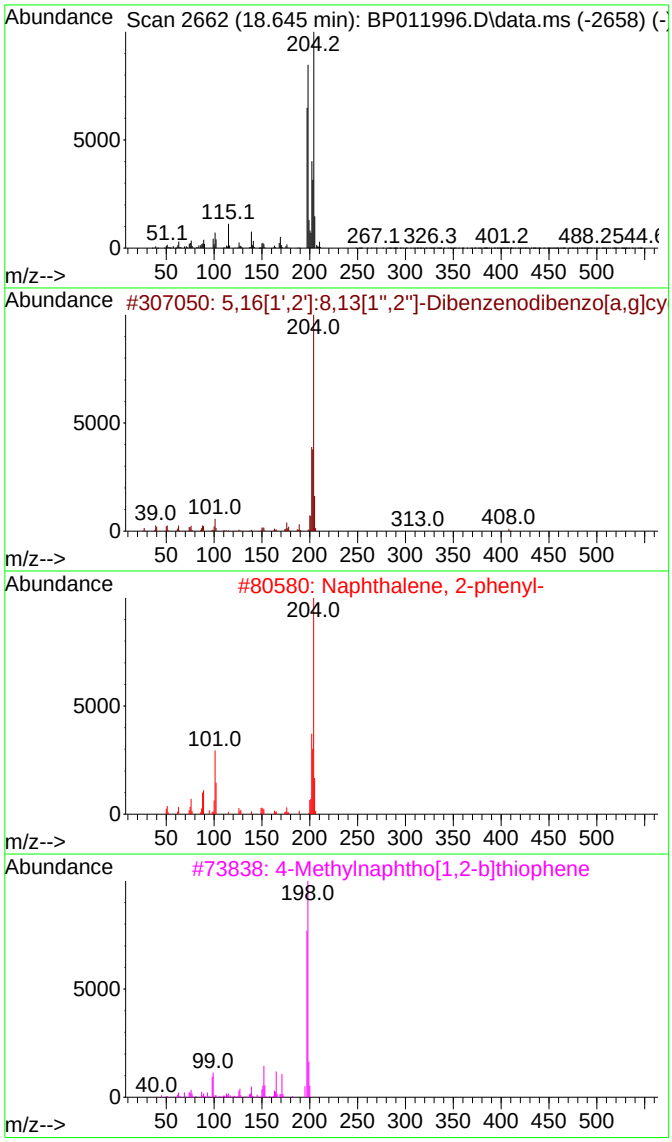
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

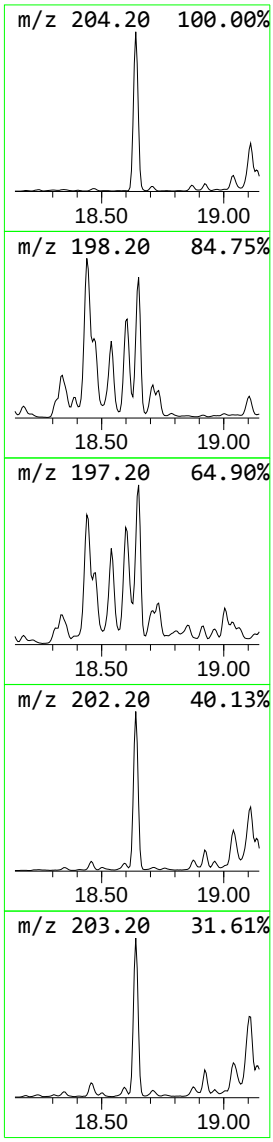
**********

Peak Number 49 unknown-01 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.645 | 72.85 ng/ul | 16414000 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 49 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 42 |
| 3 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 38 |
| 4 | 2,4-Diamino-5H-indeno[1,2-d]pyri... | 198 | C11H10N4 | 095140-64-0 | 35 |
| 5 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

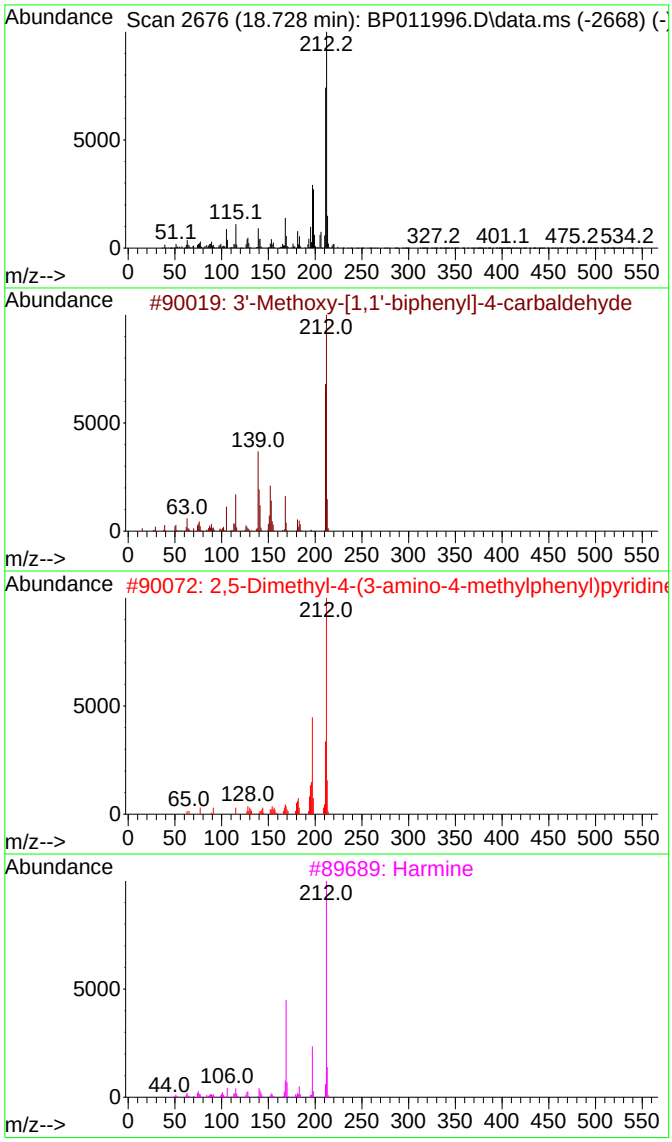
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

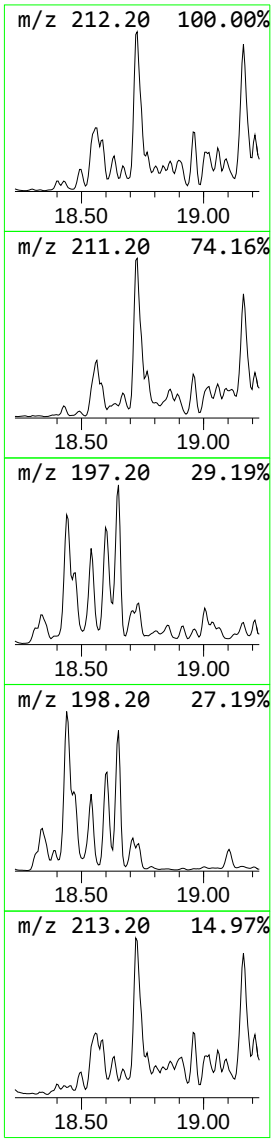
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 50 3'-Methoxy-[1,1'-biphenyl]-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.728 | 75.26 ng/ul | 16958100 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3'-Methoxy-[1,1'-biphenyl]-4-car... | 212 | C14H12O2 | 209863-09-2 | 62 |
| 2 | 2,5-Dimethyl-4-(3-amino-4-methyl... | 212 | C14H16N2 | 071153-33-8 | 47 |
| 3 | Harmine | 212 | C13H12N2O | 000442-51-3 | 45 |
| 4 | Benzoic acid, 3,4,5-trimethoxy- | 212 | C10H12O5 | 000118-41-2 | 38 |
| 5 | [1,1'-Biphenyl]-4,4'-diamine, 3,... | 212 | C14H16N2 | 000119-93-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

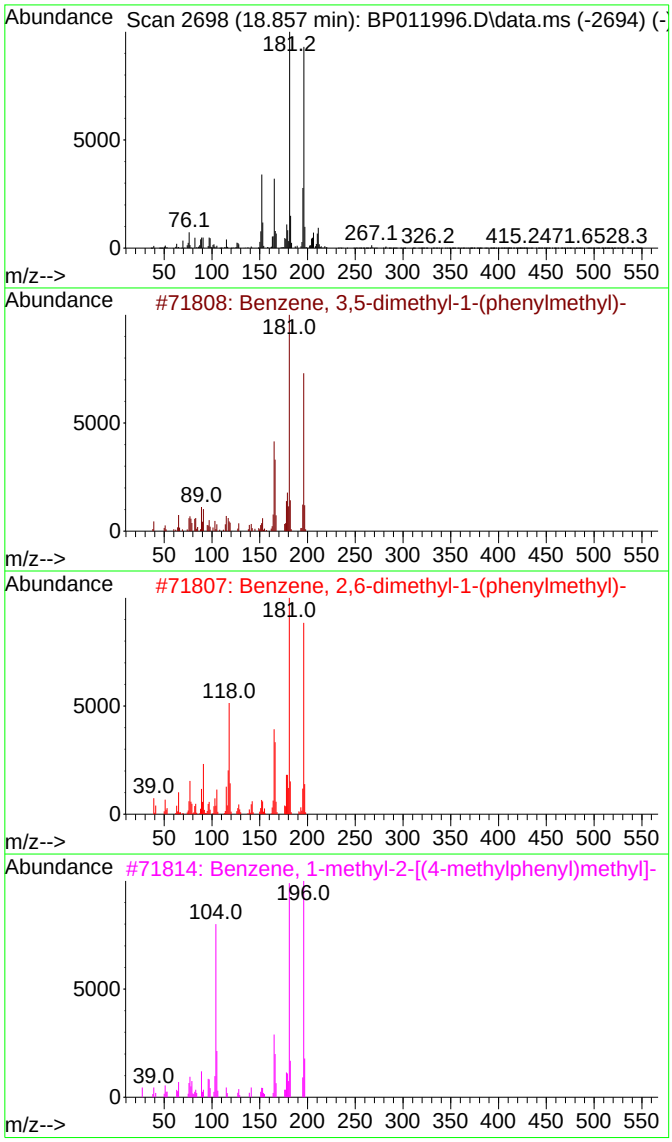
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

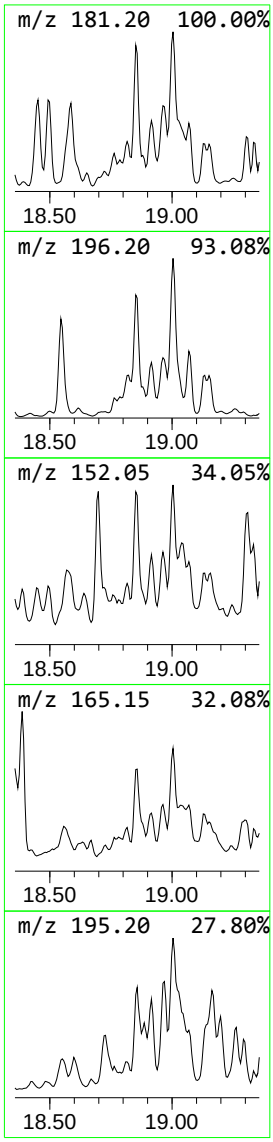
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 51 Benzene, 3,5-dimethyl-1-(ph... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.857 | 28.85 ng/ul | 6500230 | Phenanthrene-d10 | 17.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 3,5-dimethyl-1-(phenylm... | 196 | C15H16 | 028122-27-2 | 76 |
| 2 | Benzene, 2,6-dimethyl-1-(phenylm... | 196 | C15H16 | 028122-29-4 | 64 |
| 3 | Benzene, 1-methyl-2-[(4-methylph... | 196 | C15H16 | 021895-17-0 | 58 |
| 4 | Ethanone, 1-(4-hydroxy-3,5-dimet... | 196 | C10H12O4 | 002478-38-8 | 58 |
| 5 | Methanone, diphenyl-, hydrazone | 196 | C13H12N2 | 005350-57-2 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
Data File : BP011996.D
Acq On : 07 Oct 2022 06:36
Operator : CG/JU
Sample : N4923-02
Misc :
ALS Vial : 85 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
E10008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Pyridine, 2,4-d... | 6.487 | 27.5 | ng/ul | 7613690 | 1 | 7.875 | 5531910 | 20.0 |
| Benzofuran | 7.599 | 36.8 | ng/ul | 10175000 | 1 | 7.875 | 5531910 | 20.0 |
| Indene | 8.422 | 114.9 | ng/ul | 31771100 | 1 | 7.875 | 5531910 | 20.0 |
| Quinoline, 7-me... | 13.099 | 38.9 | ng/ul | 8345890 | 3 | 14.528 | 4296070 | 20.0 |
| Naphthalene, 2,... | 13.687 | 52.0 | ng/ul | 11166000 | 3 | 14.528 | 4296070 | 20.0 |
| Naphthalene, 1,... | 13.851 | 93.9 | ng/ul | 20176000 | 3 | 14.528 | 4296070 | 20.0 |
| Naphthalene, 1,... | 14.087 | 42.1 | ng/ul | 9043090 | 3 | 14.528 | 4296070 | 20.0 |
| 2-Naphthalenol | 14.822 | 41.6 | ng/ul | 8929000 | 3 | 14.528 | 4296070 | 20.0 |
| Naphthalene, 1,... | 15.146 | 52.0 | ng/ul | 11166300 | 3 | 14.528 | 4296070 | 20.0 |
| 1H-Phenalene | 15.398 | 31.3 | ng/ul | 6725860 | 3 | 14.528 | 4296070 | 20.0 |
| 7-Methylnaphtha... | 15.804 | 60.1 | ng/ul | 12917500 | 3 | 14.528 | 4296070 | 20.0 |
| 9H-Fluoren-9-ol | 15.875 | 36.0 | ng/ul | 7738820 | 3 | 14.528 | 4296070 | 20.0 |
| 2-Naphthaleneca... | 16.422 | 36.7 | ng/ul | 8259890 | 4 | 17.292 | 4506410 | 20.0 |
| p-Hydroxybiphenyl | 16.557 | 49.9 | ng/ul | 11234800 | 4 | 17.292 | 4506410 | 20.0 |
| 9H-Fluorene, 2-... | 16.640 | 31.8 | ng/ul | 7159780 | 4 | 17.292 | 4506410 | 20.0 |
| 3'-Methyl-[1,1'... | 17.016 | 34.8 | ng/ul | 7833670 | 4 | 17.292 | 4506410 | 20.0 |
| Naphtho[2,1-b]t... | 17.104 | 65.1 | ng/ul | 14666800 | 4 | 17.292 | 4506410 | 20.0 |
| Dibenzo-p-dioxin | 17.798 | 53.9 | ng/ul | 12143700 | 4 | 17.292 | 4506410 | 20.0 |
| 2-Dibenzofuranol | 17.863 | 34.4 | ng/ul | 7745530 | 4 | 17.292 | 4506410 | 20.0 |
| Benzene, 1-meth... | 17.945 | 34.6 | ng/ul | 7799460 | 4 | 17.292 | 4506410 | 20.0 |
| 2-Hydroxyfluorene | 18.134 | 36.8 | ng/ul | 8301150 | 4 | 17.292 | 4506410 | 20.0 |
| Phenanthrene, 2... | 18.157 | 49.6 | ng/ul | 11177300 | 4 | 17.292 | 4506410 | 20.0 |
| Anthracene, 1-m... | 18.210 | 99.0 | ng/ul | 22308700 | 4 | 17.292 | 4506410 | 20.0 |
| Naphtho[2,3-b]n... | 18.287 | 86.3 | ng/ul | 19433400 | 4 | 17.292 | 4506410 | 20.0 |
| 4H-Cyclopenta[d... | 18.357 | 125.3 | ng/ul | 28231000 | 4 | 17.292 | 4506410 | 20.0 |
| 2-Benzyl-[1,4]b... | 18.445 | 55.6 | ng/ul | 12531100 | 4 | 17.292 | 4506410 | 20.0 |
| 4-Hydroxy-9-flu... | 18.545 | 33.0 | ng/ul | 7447340 | 4 | 17.292 | 4506410 | 20.0 |
| unknown-01 | 18.645 | 72.8 | ng/ul | 16414000 | 4 | 17.292 | 4506410 | 20.0 |
| 3'-Methoxy-[1,1... | 18.728 | 75.3 | ng/ul | 16958100 | 4 | 17.292 | 4506410 | 20.0 |
| Benzene, 3,5-di... | 18.857 | 28.9 | ng/ul | 6500230 | 4 | 17.292 | 4506410 | 20.0 |