LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Title : SVOA CALIBRATION

Signal : TIC: BM030469.D

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.728 | 103 | 109 | 119 | rBV2 | 152327 | 324053 | 5.27% | 0.482% |
| 2 | 3.816 | 119 | 124 | 131 | rVV | 247581 | 352238 | 5.72% | 0.524% |
| 3 | 3.940 | 141 | 145 | 152 | rVV | 54355 | 90944 | 1.48% | 0.135% |
| 4 | 4.034 | 156 | 161 | 168 | rVB | 62429 | 97744 | 1.59% | 0.145% |
| 5 | 4.587 | 250 | 255 | 261 | rVB | 88518 | 124701 | 2.03% | 0.185% |
| 6 | 4.946 | 311 | 316 | 326 | rBV | 64509 | 110677 | 1.80% | 0.165% |
| 7 | 5.481 | 401 | 407 | 416 | rBV | 124967 | 288589 | 4.69% | 0.429% |
| 8 | 5.846 | 462 | 469 | 474 | rVV | 77136 | 117769 | 1.91% | 0.175% |
| 9 | 6.816 | 625 | 634 | 639 | rBV2 | 44690 | 88462 | 1.44% | 0.132% |
| 10 | 6.993 | 656 | 664 | 670 | rVV2 | 381431 | 695398 | 11.30% | 1.034% |
| 11 | 7.051 | 670 | 674 | 682 | rVB | 100792 | 158300 | 2.57% | 0.235% |
| 12 | 7.157 | 686 | 692 | 698 | rBV | 284690 | 459517 | 7.47% | 0.683% |
| 13 | 7.216 | 698 | 702 | 707 | rVV | 64976 | 101263 | 1.65% | 0.151% |
| 14 | 7.357 | 720 | 726 | 736 | rVB | 365051 | 612674 | 9.96% | 0.911% |
| 15 | 7.475 | 736 | 746 | 752 | rBV | 297455 | 496671 | 8.07% | 0.738% |
| 16 | 7.822 | 797 | 805 | 812 | rBV | 646788 | 1052534 | 17.11% | 1.565% |
| 17 | 7.940 | 820 | 825 | 833 | rVB | 86238 | 143650 | 2.33% | 0.214% |
| 18 | 8.369 | 893 | 898 | 903 | rVV2 | 88926 | 145313 | 2.36% | 0.216% |
| 19 | 8.457 | 908 | 913 | 919 | rBV | 153795 | 276782 | 4.50% | 0.411% |
| 20 | 8.528 | 919 | 925 | 931 | rVV | 322327 | 549501 | 8.93% | 0.817% |
| 21 | 8.775 | 962 | 967 | 971 | rVV | 64846 | 102509 | 1.67% | 0.152% |
| 22 | 8.822 | 971 | 975 | 983 | rVV | 64537 | 104687 | 1.70% | 0.156% |
| 23 | 8.922 | 986 | 992 | 997 | rVV | 155045 | 256195 | 4.16% | 0.381% |
| 24 | 8.975 | 997 | 1001 | 1010 | rVV | 311563 | 596941 | 9.70% | 0.887% |
| 25 | 9.445 | 1076 | 1081 | 1086 | rVV | 81903 | 134210 | 2.18% | 0.200% |
| 26 | 9.504 | 1086 | 1091 | 1100 | rVV | 119116 | 194367 | 3.16% | 0.289% |
| 27 | 9.698 | 1116 | 1124 | 1130 | rBV2 | 249714 | 433839 | 7.05% | 0.645% |
| 28 | 9.863 | 1148 | 1152 | 1161 | rVB3 | 53279 | 117520 | 1.91% | 0.175% |
| 29 | 10.016 | 1172 | 1178 | 1185 | rVV2 | 104351 | 224025 | 3.64% | 0.333% |
| 30 | 10.234 | 1210 | 1215 | 1224 | rVV | 343673 | 611034 | 9.93% | 0.908% |
| 31 | 10.404 | 1238 | 1244 | 1255 | rBV2 | 42238 | 112756 | 1.83% | 0.168% |
| 32 | 10.610 | 1268 | 1279 | 1284 | rVV | 788226 | 1436164 | 23.34% | 2.135% |
| 33 | 10.657 | 1284 | 1287 | 1294 | rVV | 189609 | 345889 | 5.62% | 0.514% |
| 34 | 10.751 | 1294 | 1303 | 1312 | rVV | 195593 | 440772 | 7.16% | 0.655% |
| 35 | 12.269 | 1553 | 1561 | 1569 | rVB | 174898 | 290328 | 4.72% | 0.432% |
| 36 | 12.492 | 1592 | 1599 | 1610 | rVV | 106539 | 183942 | 2.99% | 0.273% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.769 | 1811 | 1816 | 1821 | rVV2 | 74130 | 132770 | 2.16% | 0.197% |
| 38 | 13.857 | 1821 | 1831 | 1836 | rVV | 608263 | 937694 | 15.24% | 1.394% |
| 39 | 14.010 | 1849 | 1857 | 1867 | rVB3 | 59233 | 129226 | 2.10% | 0.192% |
| 40 | 14.139 | 1867 | 1879 | 1895 | rBV2 | 748769 | 1408005 | 22.88% | 2.093% |
| 41 | 14.451 | 1922 | 1932 | 1938 | rVV | 1079547 | 1683481 | 27.36% | 2.503% |
| 42 | 14.510 | 1938 | 1942 | 1950 | rVV | 148086 | 235497 | 3.83% | 0.350% |
| 43 | 14.663 | 1961 | 1968 | 1978 | rBV2 | 69005 | 173402 | 2.82% | 0.258% |
| 44 | 14.763 | 1978 | 1985 | 1990 | rVV2 | 144922 | 232098 | 3.77% | 0.345% |
| 45 | 14.845 | 1994 | 1999 | 2007 | rVV | 139449 | 251813 | 4.09% | 0.374% |
| 46 | 15.439 | 2089 | 2100 | 2105 | rBV | 986540 | 1430712 | 23.25% | 2.127% |
| 47 | 15.492 | 2105 | 2109 | 2116 | rVV | 224560 | 331441 | 5.39% | 0.493% |
| 48 | 15.786 | 2154 | 2159 | 2166 | rVB | 63966 | 114033 | 1.85% | 0.170% |
| 49 | 15.857 | 2166 | 2171 | 2176 | rBV | 151977 | 196321 | 3.19% | 0.292% |
| 50 | 15.933 | 2176 | 2184 | 2191 | rVB | 59316 | 131694 | 2.14% | 0.196% |
| 51 | 15.998 | 2191 | 2195 | 2205 | rVB4 | 58764 | 113897 | 1.85% | 0.169% |
| 52 | 16.163 | 2218 | 2223 | 2230 | rVB5 | 53578 | 114080 | 1.85% | 0.170% |
| 53 | 16.839 | 2333 | 2338 | 2345 | rVB | 114072 | 174821 | 2.84% | 0.260% |
| 54 | 16.945 | 2347 | 2356 | 2361 | rVV5 | 136510 | 301742 | 4.90% | 0.449% |
| 55 | 17.004 | 2361 | 2366 | 2374 | rVB | 163541 | 274113 | 4.45% | 0.408% |
| 56 | 17.186 | 2390 | 2397 | 2400 | rBV | 1259960 | 1906773 | 30.99% | 2.835% |
| 57 | 17.227 | 2400 | 2404 | 2409 | rVV | 2592943 | 3683864 | 59.87% | 5.477% |
| 58 | 17.280 | 2409 | 2413 | 2417 | rVV | 1064190 | 1601995 | 26.04% | 2.382% |
| 59 | 17.315 | 2417 | 2419 | 2424 | rVV | 520317 | 625690 | 10.17% | 0.930% |
| 60 | 17.374 | 2425 | 2429 | 2434 | rVB2 | 85117 | 140739 | 2.29% | 0.209% |
| 61 | 17.586 | 2461 | 2465 | 2470 | rBV | 119883 | 158708 | 2.58% | 0.236% |
| 62 | 17.762 | 2491 | 2495 | 2500 | rVV | 113172 | 150283 | 2.44% | 0.223% |
| 63 | 17.910 | 2515 | 2520 | 2525 | rVB | 62551 | 108562 | 1.76% | 0.161% |
| 64 | 18.057 | 2540 | 2545 | 2550 | rVV2 | 555238 | 1143720 | 18.59% | 1.700% |
| 65 | 18.104 | 2550 | 2553 | 2559 | rVV | 723848 | 990024 | 16.09% | 1.472% |
| 66 | 18.186 | 2562 | 2567 | 2571 | rVV | 199456 | 307150 | 4.99% | 0.457% |
| 67 | 18.245 | 2572 | 2577 | 2582 | rVV2 | 653443 | 1309234 | 21.28% | 1.946% |
| 68 | 18.286 | 2582 | 2584 | 2592 | rVB | 433327 | 540372 | 8.78% | 0.803% |
| 69 | 18.368 | 2594 | 2598 | 2601 | rBV3 | 84779 | 115534 | 1.88% | 0.172% |
| 70 | 18.557 | 2625 | 2630 | 2633 | rBV | 297806 | 406836 | 6.61% | 0.605% |
| 71 | 18.598 | 2633 | 2637 | 2643 | rVB2 | 226708 | 361104 | 5.87% | 0.537% |
| 72 | 18.804 | 2668 | 2672 | 2675 | rVV | 174780 | 251842 | 4.09% | 0.374% |
| 73 | 18.851 | 2677 | 2680 | 2683 | rVV | 153413 | 193621 | 3.15% | 0.288% |
| 74 | 18.892 | 2683 | 2687 | 2691 | rVB2 | 133180 | 169725 | 2.76% | 0.252% |
| 75 | 18.974 | 2696 | 2701 | 2705 | rBV | 435467 | 715576 | 11.63% | 1.064% |
| 76 | 19.109 | 2720 | 2724 | 2732 | rBV2 | 286355 | 598062 | 9.72% | 0.889% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.233 | 2740 | 2745 | 2751 | rVB | 3736295 | 4946952 | 80.40% | 7.355% |
| 78 | 19.292 | 2751 | 2755 | 2759 | rBV2 | 211996 | 276756 | 4.50% | 0.411% |
| 79 | 19.345 | 2759 | 2764 | 2768 | rBV3 | 203349 | 398143 | 6.47% | 0.592% |
| 80 | 19.386 | 2768 | 2771 | 2774 | rVB2 | 118874 | 148591 | 2.41% | 0.221% |
| 81 | 19.480 | 2784 | 2787 | 2789 | rBV4 | 77295 | 97550 | 1.59% | 0.145% |
| 82 | 19.568 | 2797 | 2802 | 2804 | rBV3 | 1256165 | 1886311 | 30.66% | 2.804% |
| 83 | 19.598 | 2804 | 2807 | 2815 | rVV | 1870387 | 2574294 | 41.84% | 3.827% |
| 84 | 19.668 | 2815 | 2819 | 2825 | rVB3 | 213932 | 380101 | 6.18% | 0.565% |
| 85 | 19.833 | 2844 | 2847 | 2852 | rVB2 | 201715 | 330099 | 5.36% | 0.491% |
| 86 | 19.921 | 2857 | 2862 | 2873 | rVV4 | 331571 | 848156 | 13.78% | 1.261% |
| 87 | 20.056 | 2880 | 2885 | 2886 | rBV5 | 261280 | 382263 | 6.21% | 0.568% |
| 88 | 20.086 | 2887 | 2890 | 2897 | rVB | 621116 | 901231 | 14.65% | 1.340% |
| 89 | 20.192 | 2904 | 2908 | 2911 | rBV | 295500 | 361372 | 5.87% | 0.537% |
| 90 | 20.245 | 2913 | 2917 | 2921 | rVB2 | 380321 | 535863 | 8.71% | 0.797% |
| 91 | 20.386 | 2938 | 2941 | 2945 | rBV | 225765 | 294226 | 4.78% | 0.437% |
| 92 | 20.433 | 2946 | 2949 | 2952 | rVB | 297571 | 359098 | 5.84% | 0.534% |
| 93 | 20.833 | 3013 | 3017 | 3023 | rVB | 397696 | 566128 | 9.20% | 0.842% |
| 94 | 21.039 | 3049 | 3052 | 3054 | rBV | 294263 | 343631 | 5.58% | 0.511% |
| 95 | 21.127 | 3064 | 3067 | 3074 | rVB | 416680 | 583317 | 9.48% | 0.867% |
| 96 | 21.262 | 3087 | 3090 | 3094 | rVB | 546516 | 587810 | 9.55% | 0.874% |
| 97 | 21.339 | 3098 | 3103 | 3108 | rVV3 | 3099977 | 6153218 | 100.00% | 9.148% |
| 98 | 21.386 | 3108 | 3111 | 3121 | rVB | 2204914 | 2833893 | 46.06% | 4.213% |
| 99 | 22.939 | 3369 | 3375 | 3380 | rBV | 1462941 | 3466846 | 56.34% | 5.154% |
| 100 | 23.621 | 3486 | 3491 | 3497 | rVB2 | 1261547 | 2290218 | 37.22% | 3.405% |

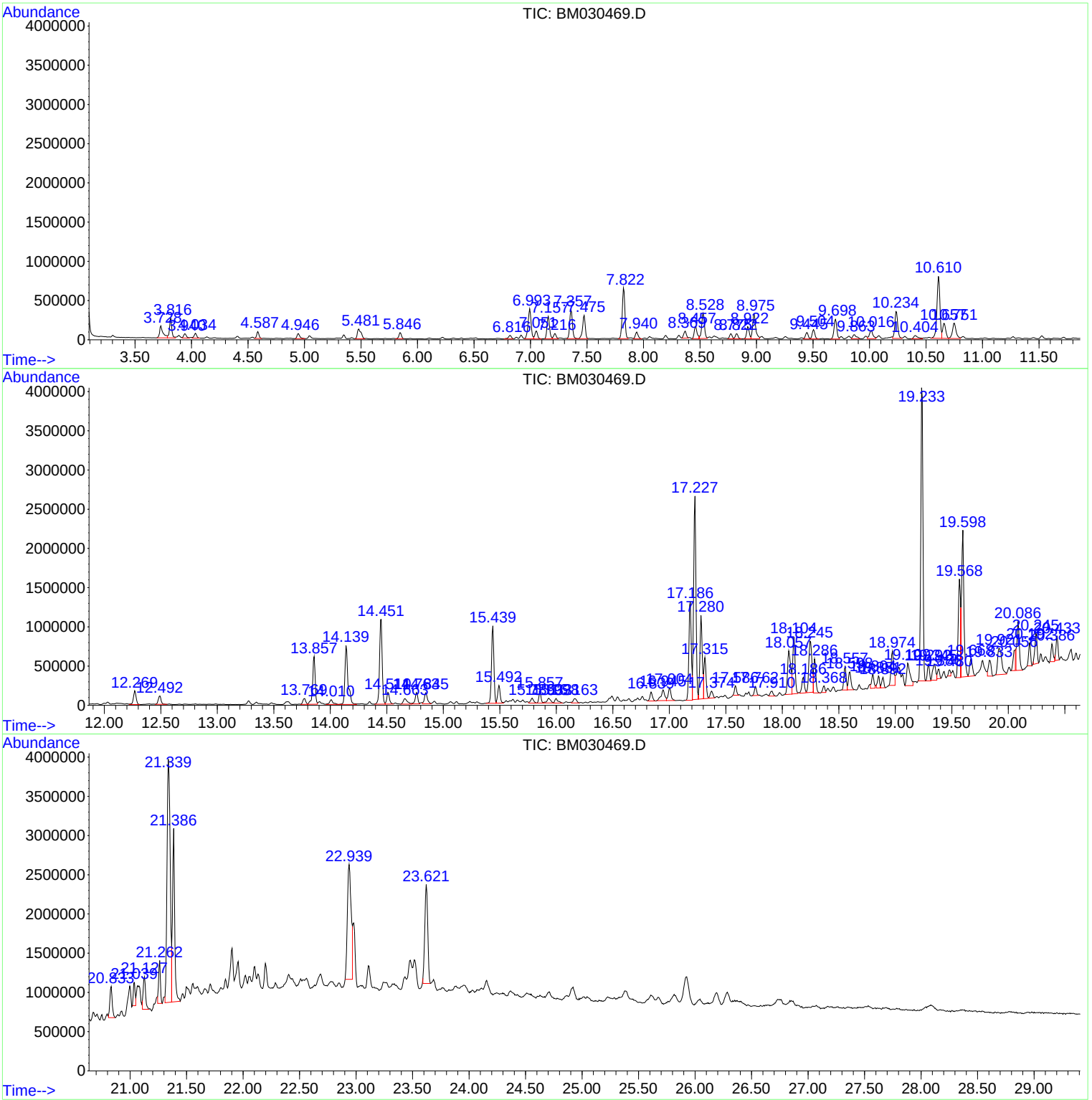
Sum of corrected areas: 67264279

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

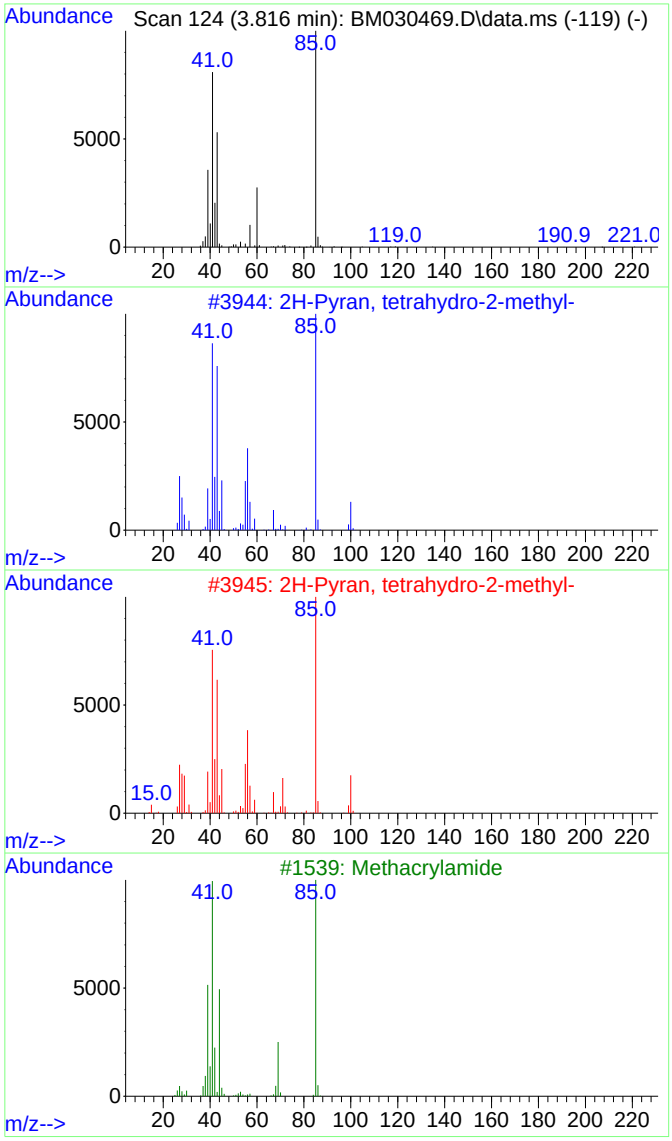
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

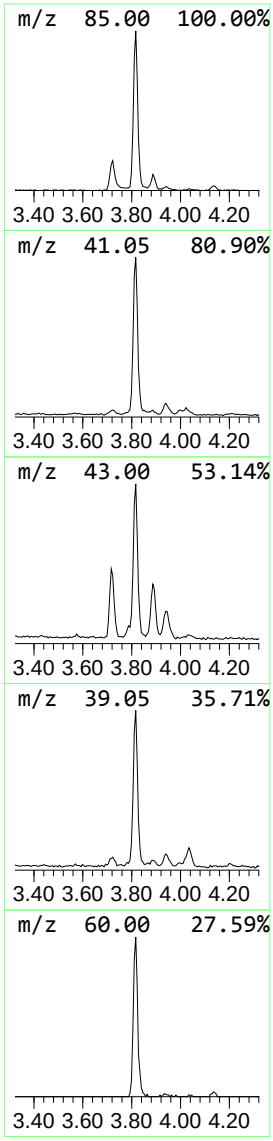
**********

Peak Number 1 unknown-01 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.820 | 6.69 ng/ul | 352238 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 38 |
| 2 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 38 |
| 3 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 36 |
| 4 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 36 |
| 5 | Oxirane, (2-methylpropyl)- | 100 | C6H12O | 023850-78-4 | 36 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

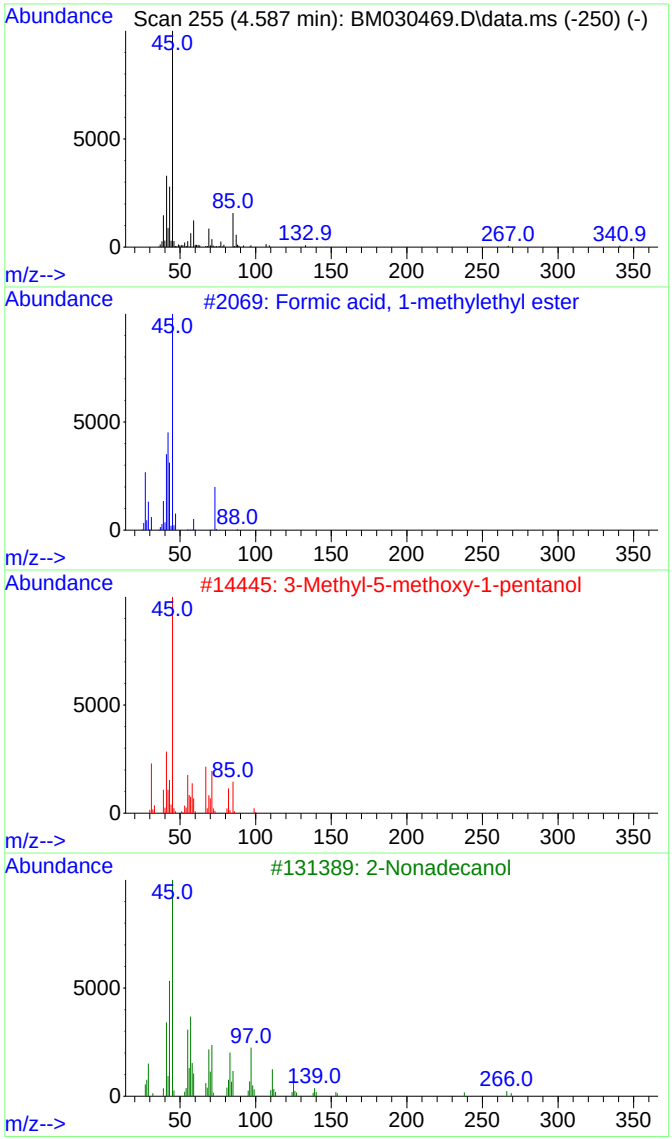
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

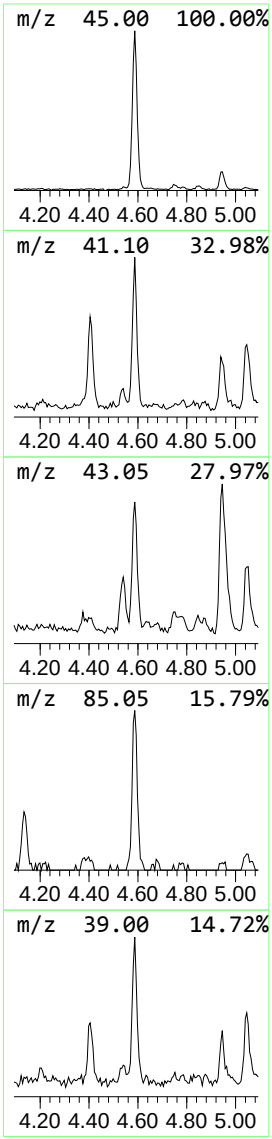
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 unknown-02 Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.590 | 2.37 ng/ul | 124701 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Formic acid, 1-methylethyl ester | 88 | C4H8O2 | 000625-55-8 | 42 |
| 2 | 3-Methyl-5-methoxy-1-pentanol | 132 | C7H16O2 | 070928-41-5 | 40 |
| 3 | 2-Nonadecanol | 284 | C19H40O | 026533-36-8 | 40 |
| 4 | Diisopropyl ether | 102 | C6H14O | 000108-20-3 | 39 |
| 5 | 1-Propanol, 2-(1-methylethoxy)- | 118 | C6H14O2 | 003944-37-4 | 39 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

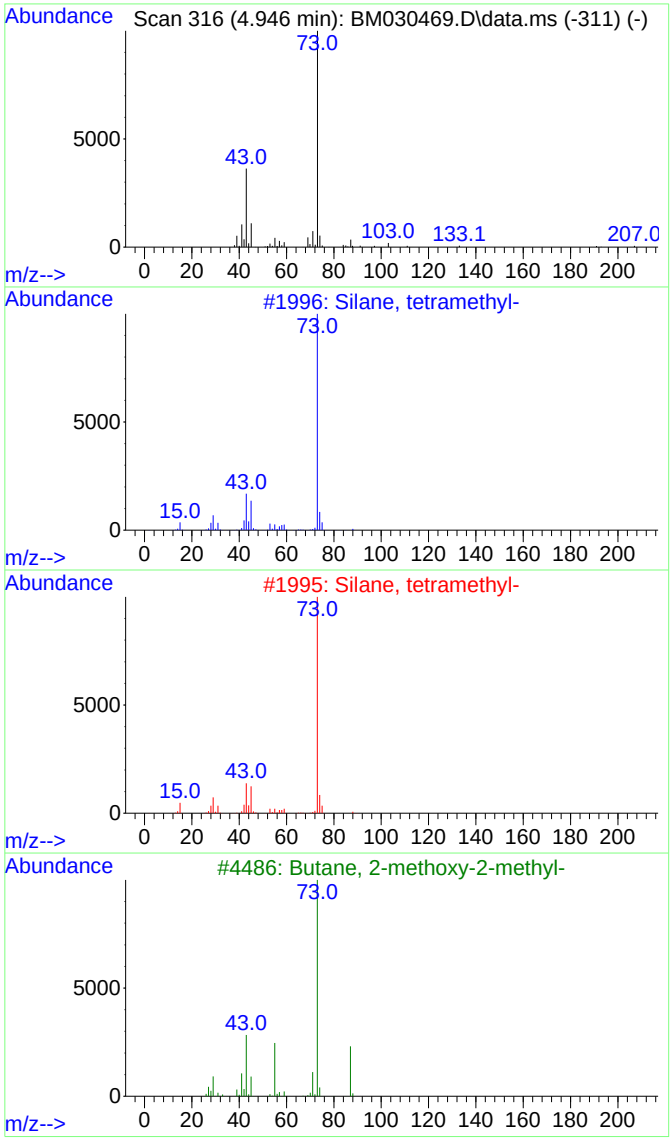
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

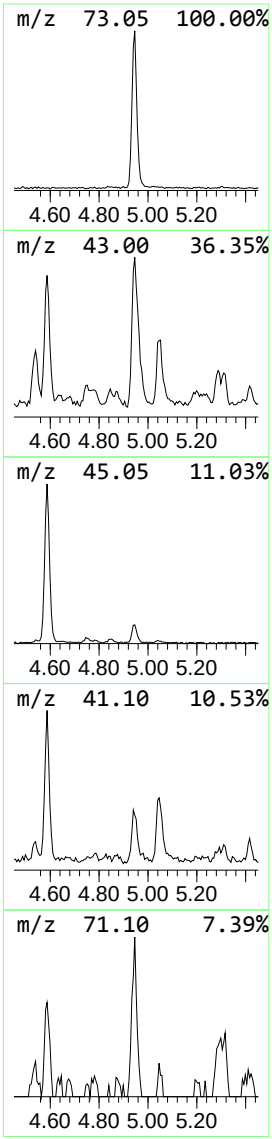
**********

Peak Number 3 unknown-03 Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.950 | 2.10 ng/ul | 110677 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 43 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 43 |
| 3 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 33 |
| 4 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 25 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

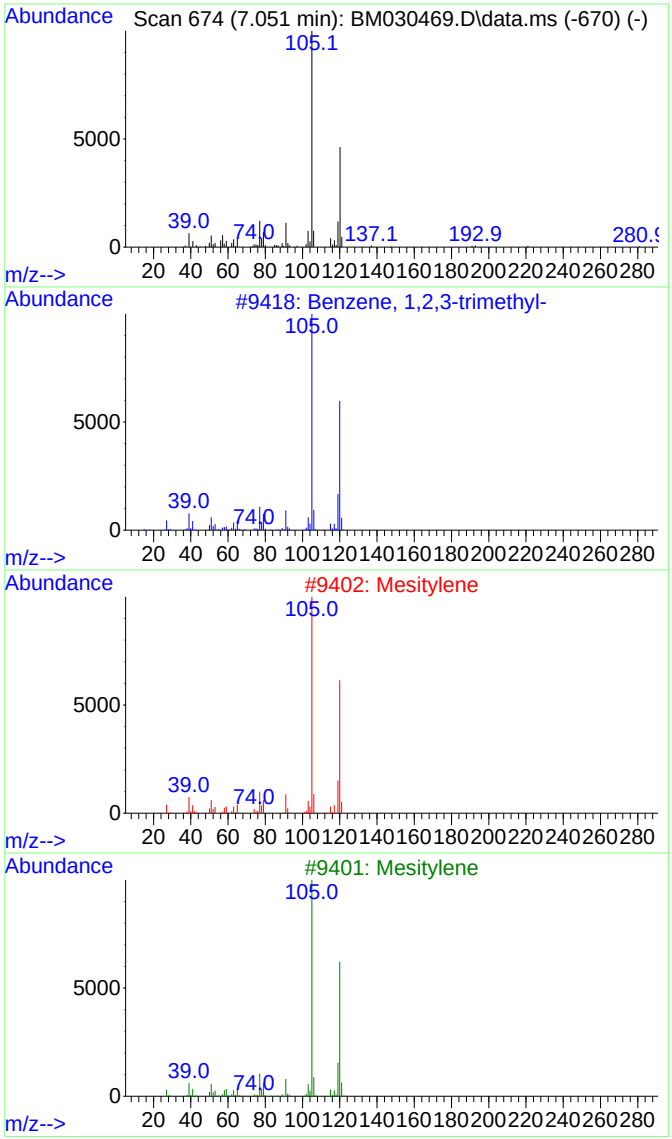
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

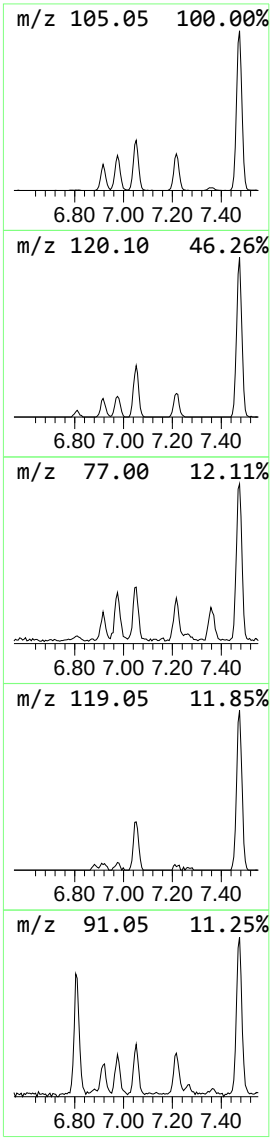
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.050 | 3.01 ng/ul | 158300 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

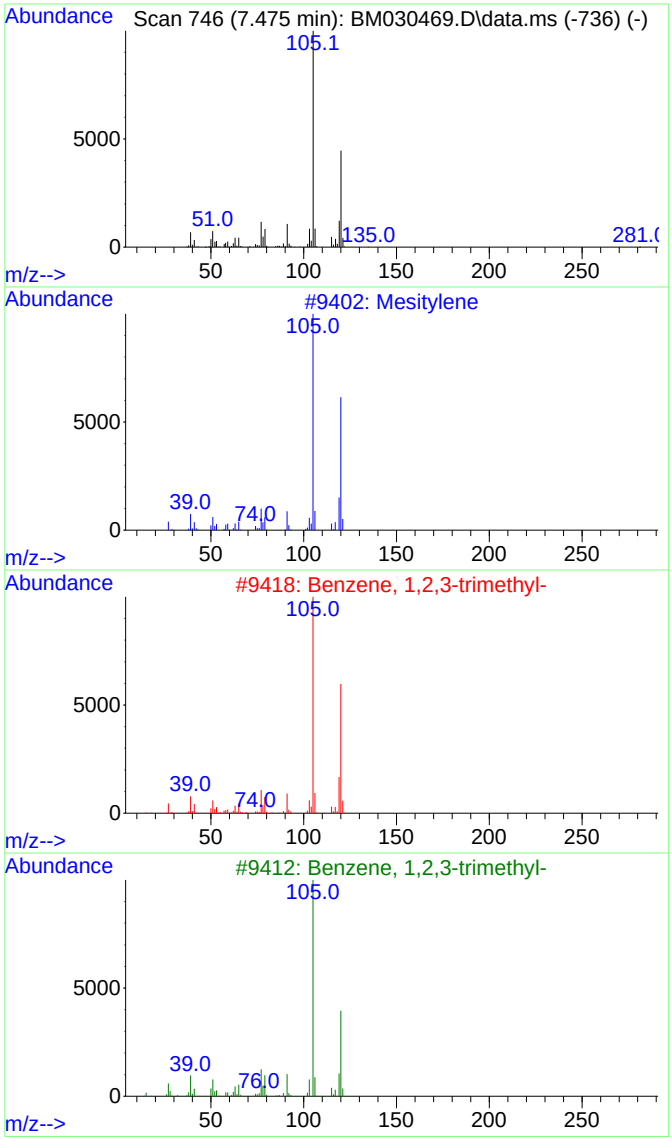
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

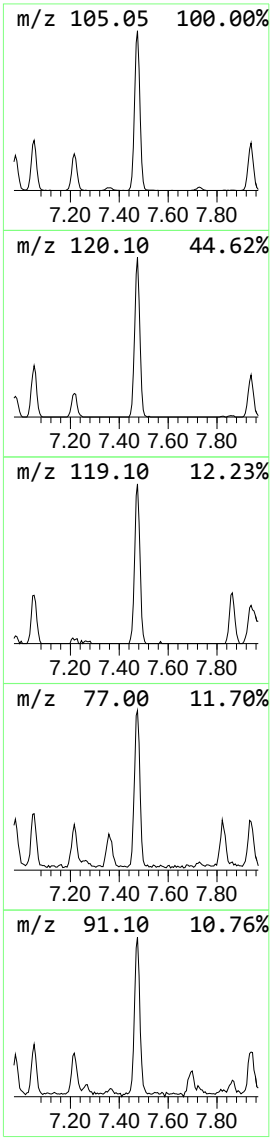
**********

Peak Number 7 Mesitylene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.470 | 9.44 ng/ul | 496671 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

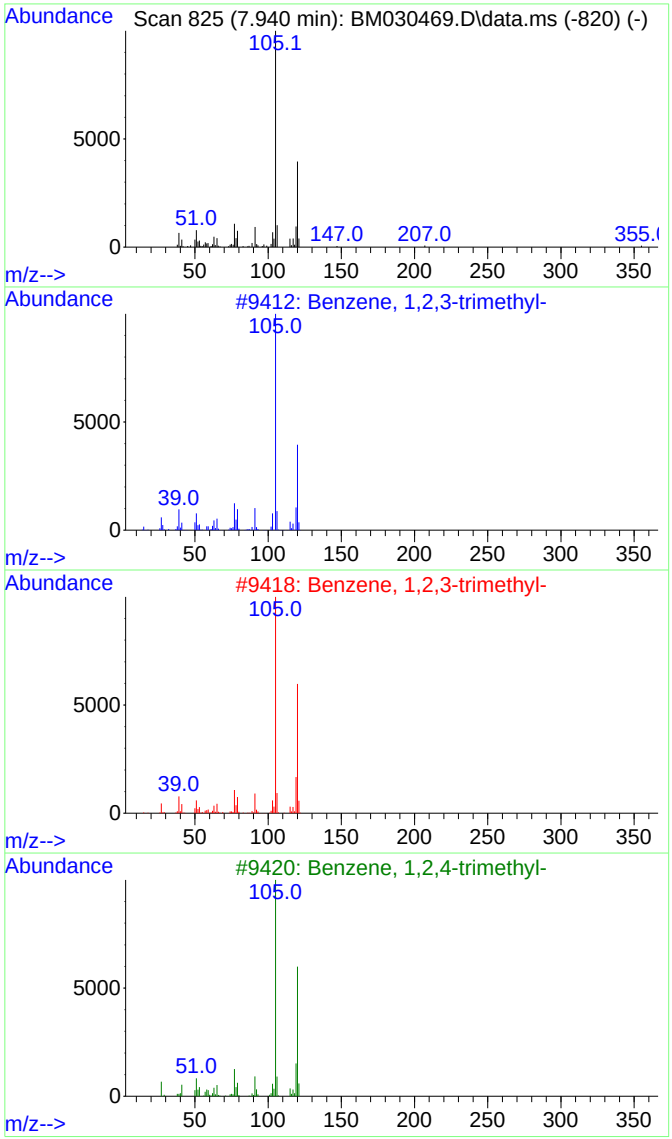
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

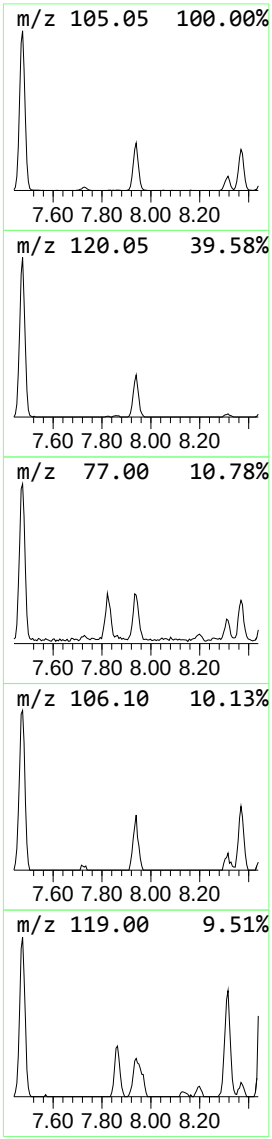
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.940 | 2.73 ng/ul | 143650 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 93 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

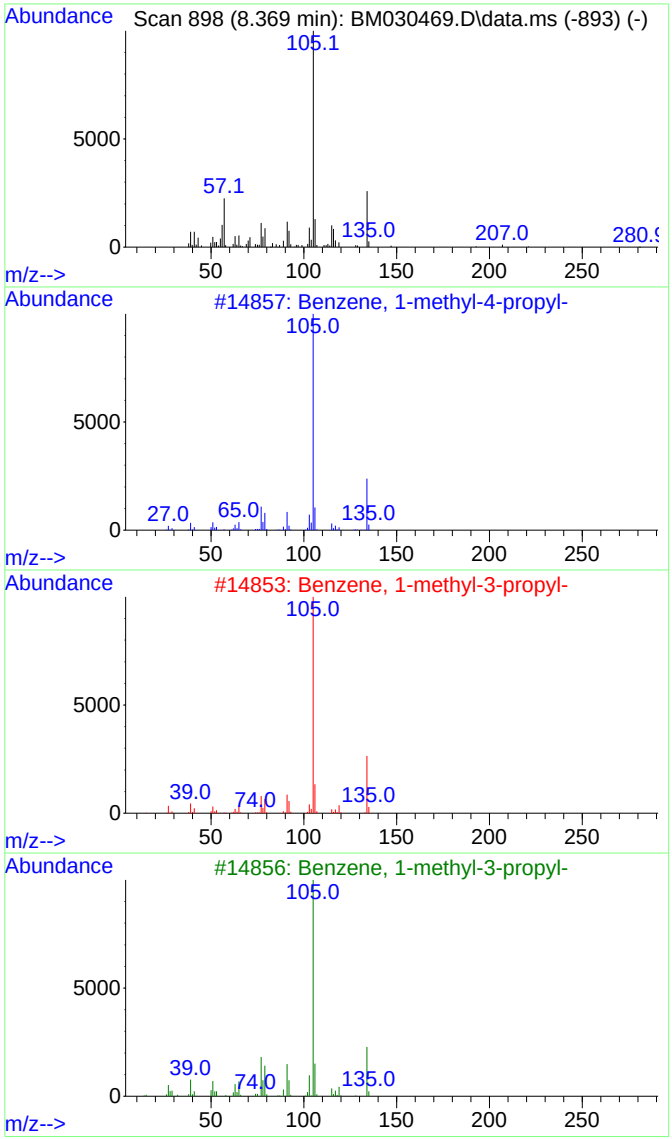
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

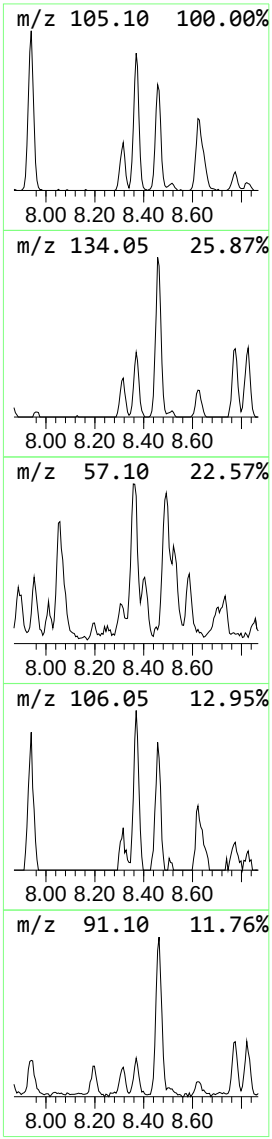
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzene, 1-methyl-4-propyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.370 | 2.76 ng/ul | 145313 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 93 |
| 2 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 81 |
| 3 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 81 |
| 4 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 76 |
| 5 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 74 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

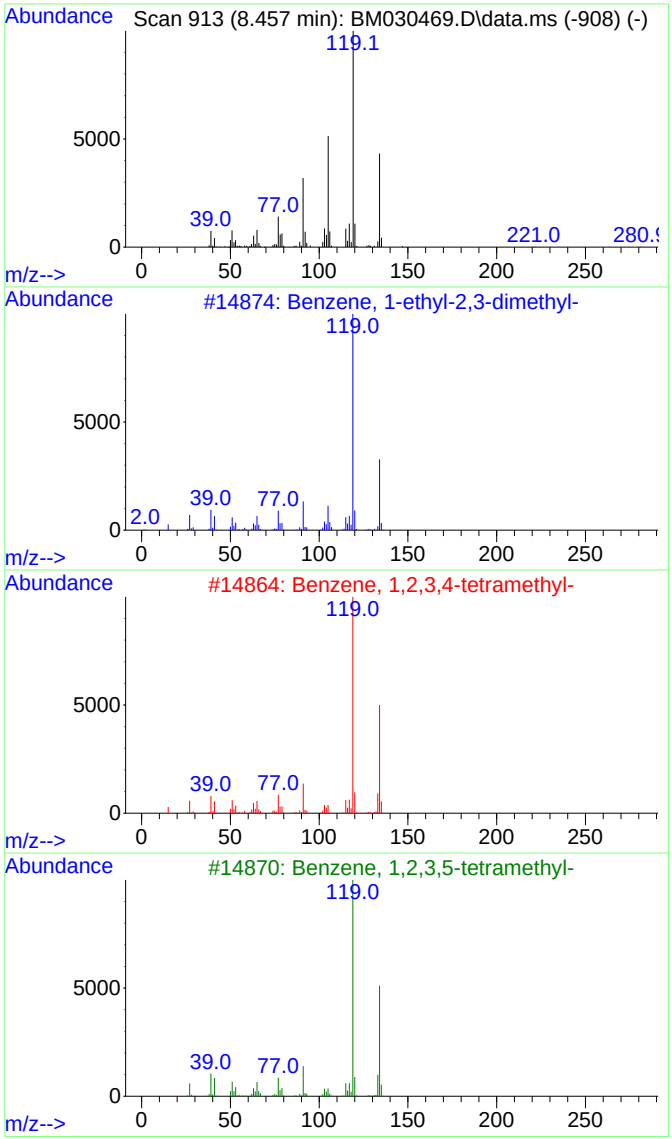
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

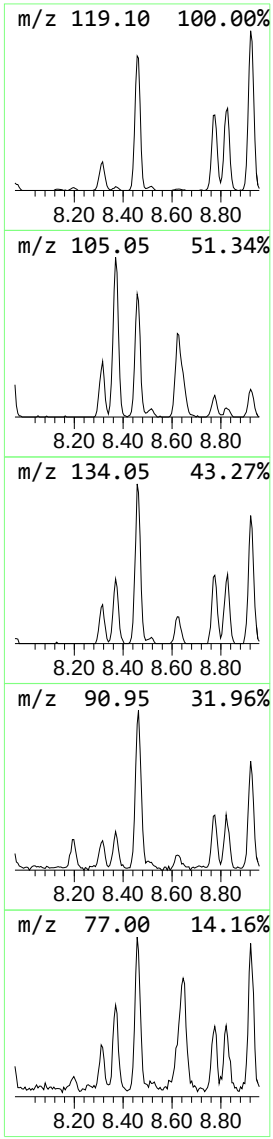
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.460 | 5.26 ng/ul | 276782 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

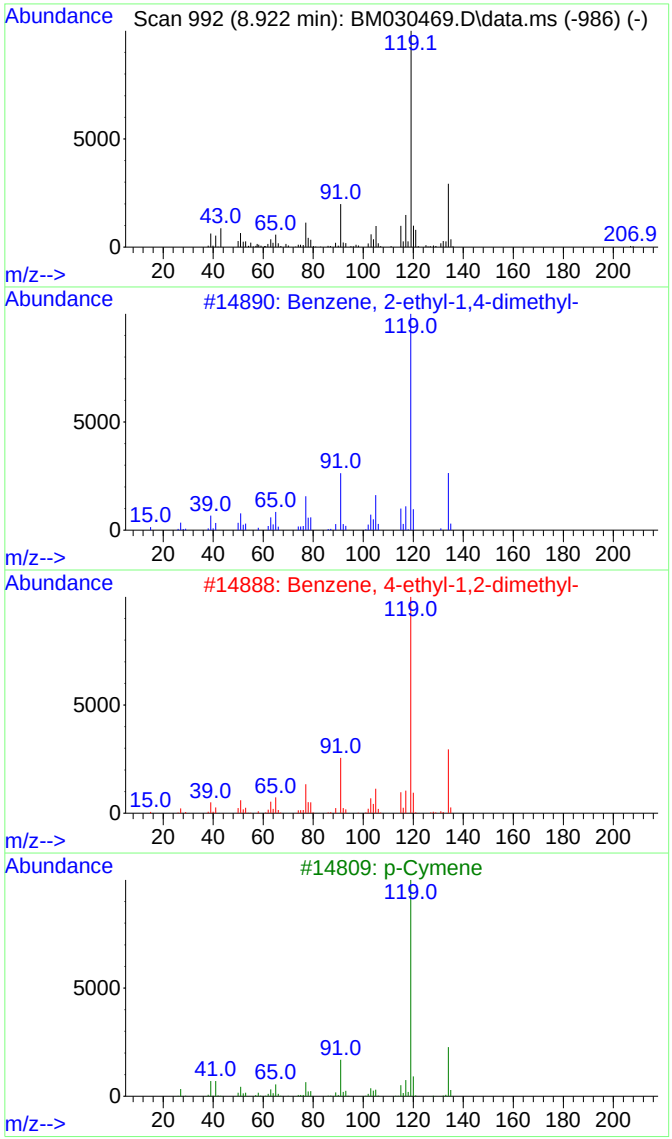
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

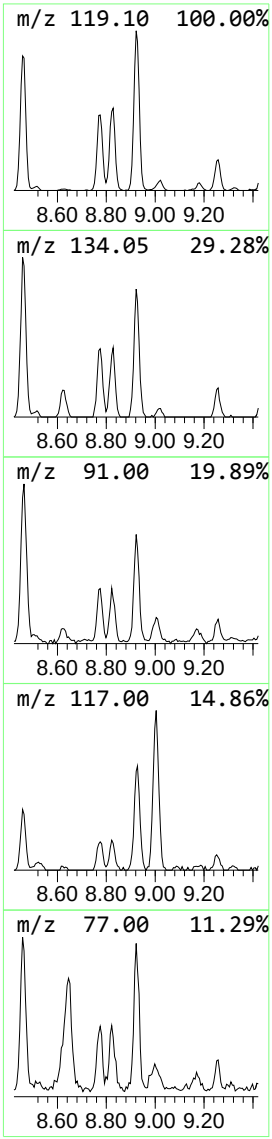
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.920 | 4.87 ng/ul | 256195 | 1,4-Dichlorobenzene-d4 | 7.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 96 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

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

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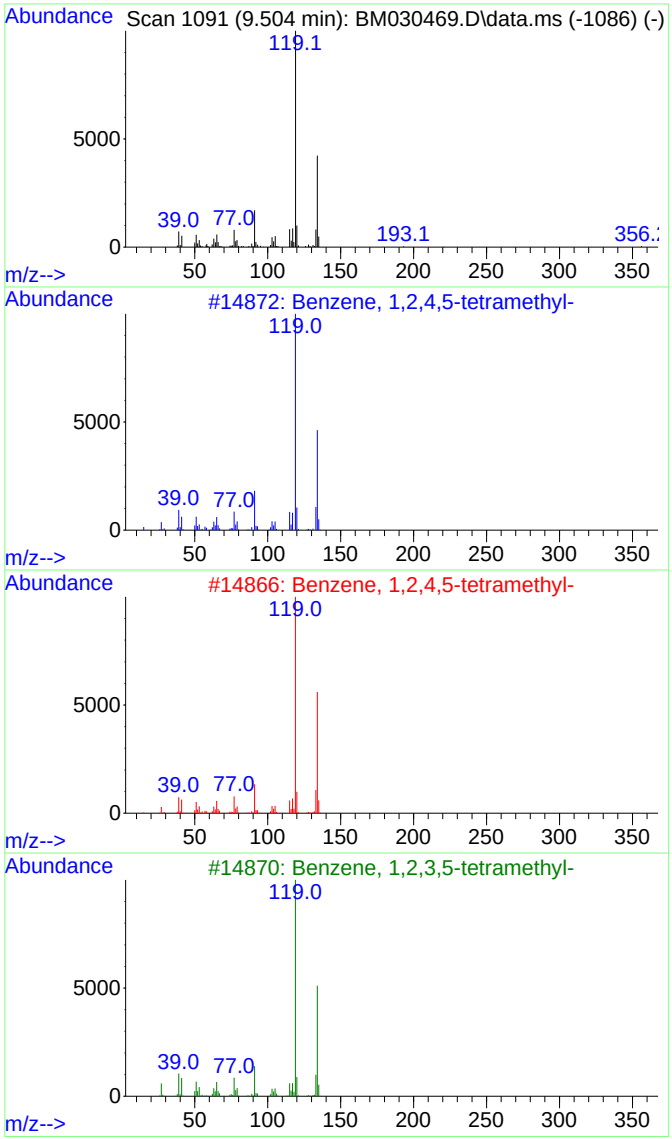
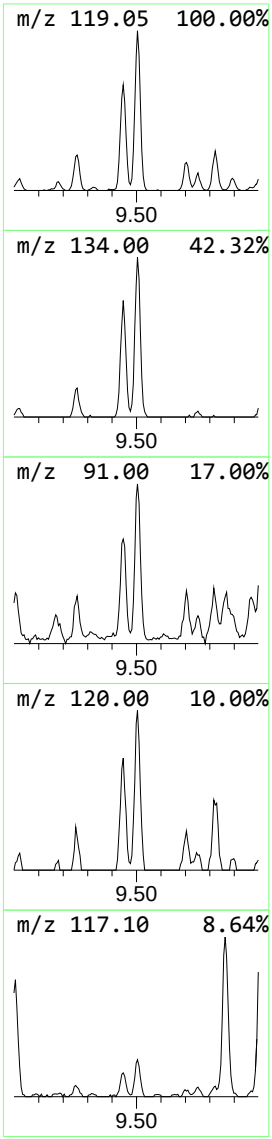
Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.500 | 2.71 ng/ul | 194367 | Naphthalene-d8 | 10.610 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

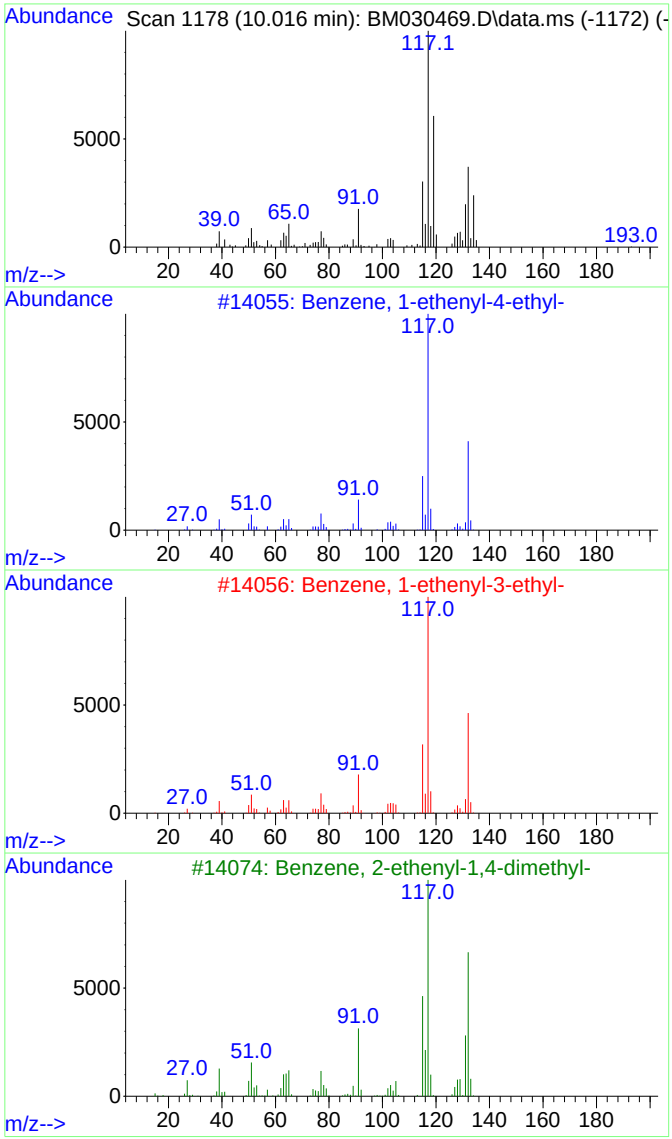
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

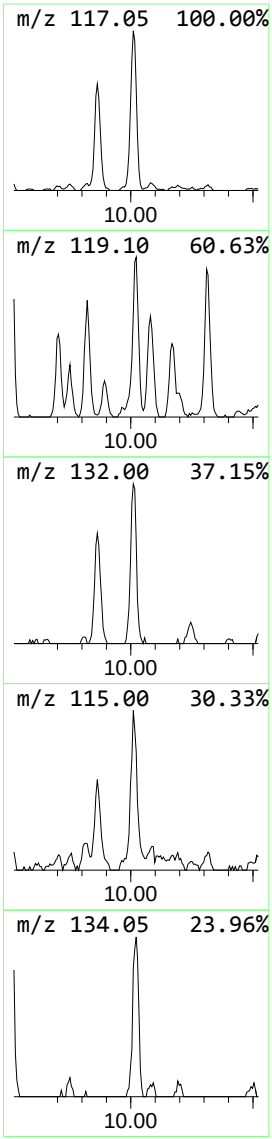
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.020 | 3.12 ng/ul | 224025 | Naphthalene-d8 | 10.610 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 92 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 91 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 76 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 70 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

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

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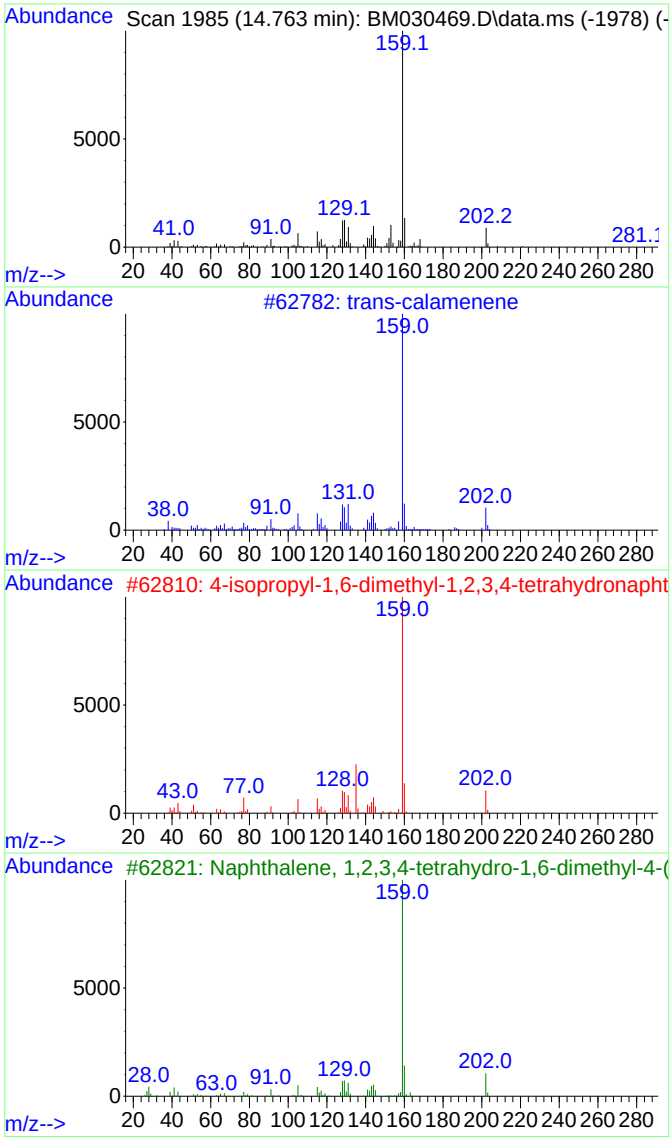
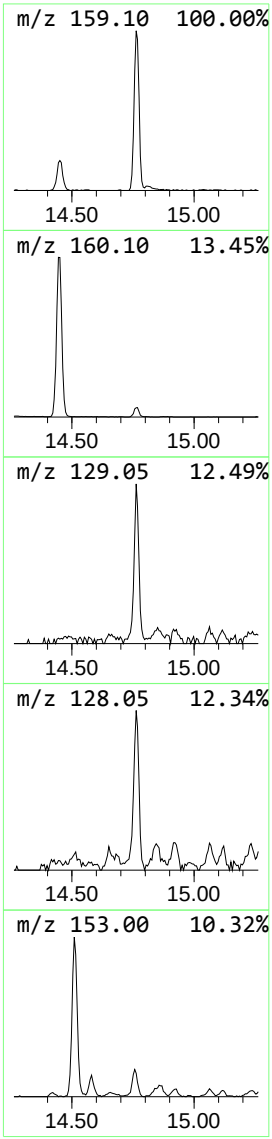
Peak Number 14 trans-calamenene Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.760 | 2.76 ng/ul | 232098 | Acenaphthene-d10 | 14.451 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-calamenene | 202 | C15H22 | 1000374-17-3 | 96 |
| 2 | 4-isopropyl-1,6-dimethyl-1,2,3,4... | 202 | C15H22 | 1000378-99-6 | 96 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 202 | C15H22 | 000483-77-2 | 93 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 174 | C13H18 | 030316-36-0 | 72 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 174 | C13H18 | 000475-03-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

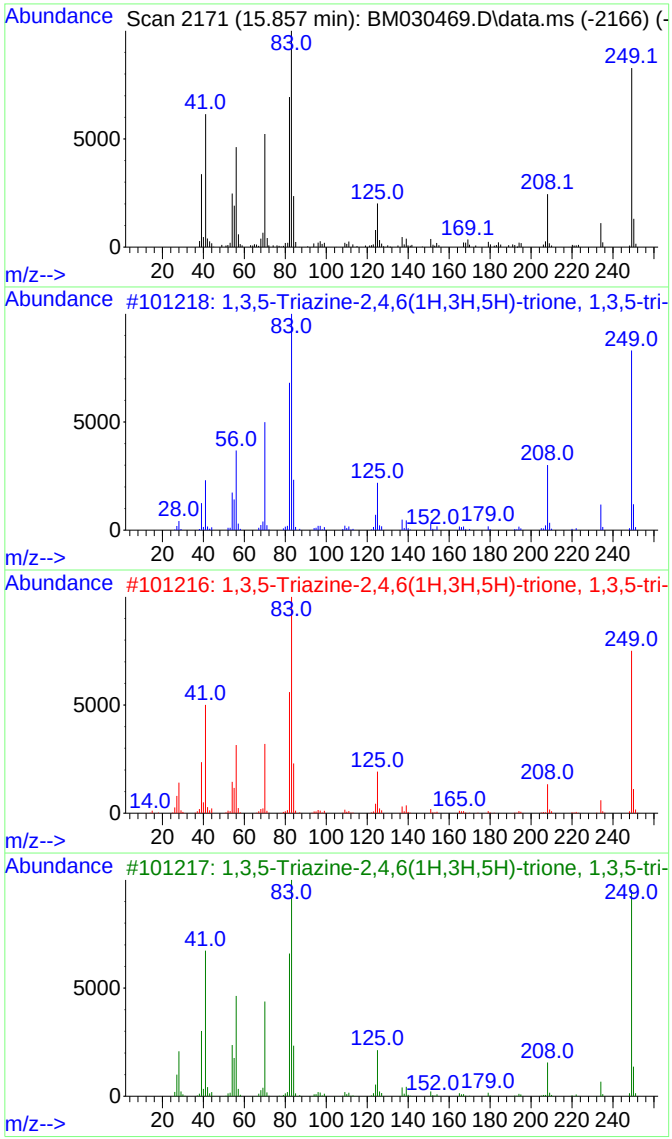
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

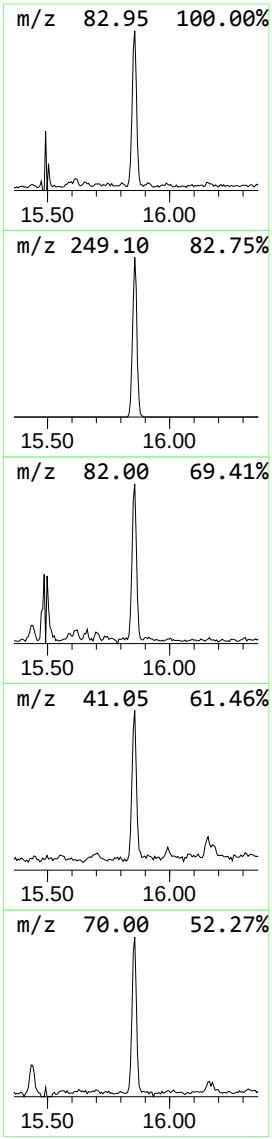
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1,3,5-Triazine-2,4,6(1H,3H,... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.860 | 2.06 ng/ul | 196321 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 99 |
| 2 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 97 |
| 3 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-t... | 249 | C12H15N3O3 | 001025-15-6 | 95 |
| 4 | 4H-1-Benzopyran-2-carboxylic aci... | 249 | C12H11NO5 | 032142-43-1 | 50 |
| 5 | Acetamide, N-(2-ethoxy-3,6-dihyd... | 199 | C10H17NO3 | 056248-08-9 | 27 |



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Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

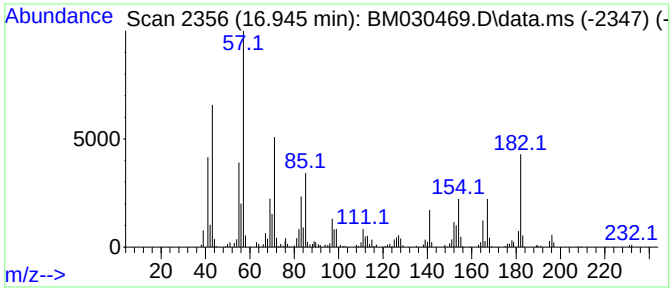
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

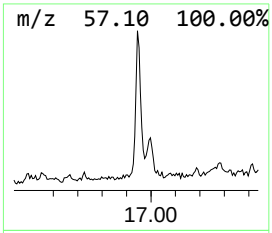
**********

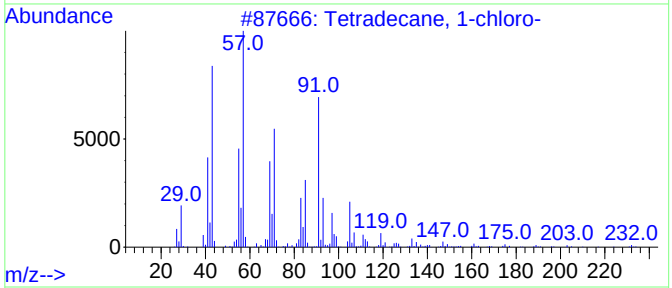
Peak Number 16 Tetradecane, 1-chloro- Concentration Rank 15

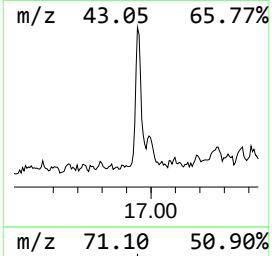
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.940 | 3.16 ng/ul | 301742 | Phenanthrene-d10 | 17.186 |

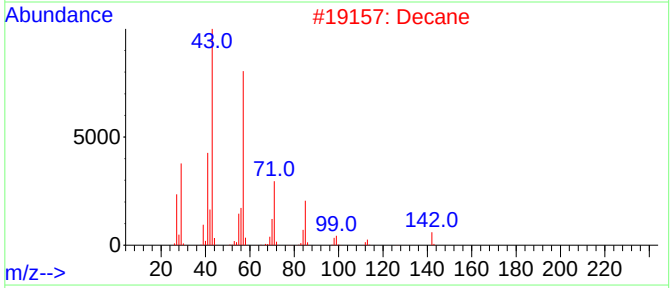
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 1-chloro- | 232 | C14H29Cl | 002425-54-9 | 60 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 35 |
| 3 | Undecane | 156 | C11H24 | 001120-21-4 | 35 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 20 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 18 |

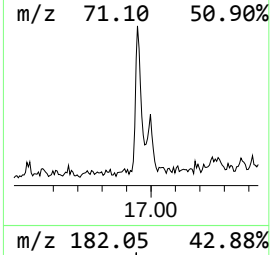


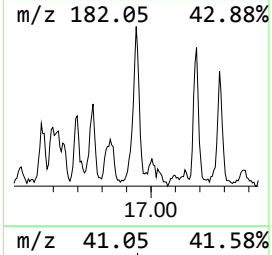



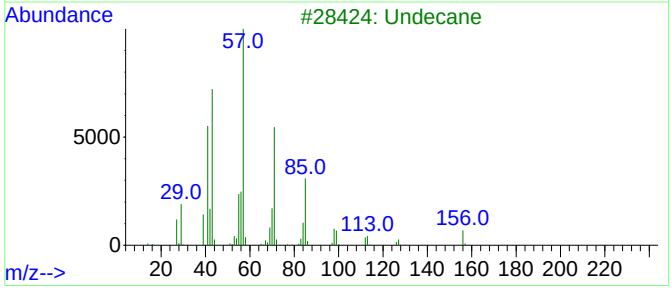



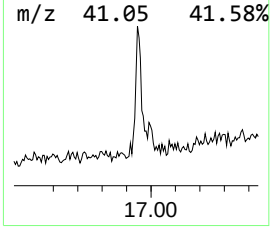



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

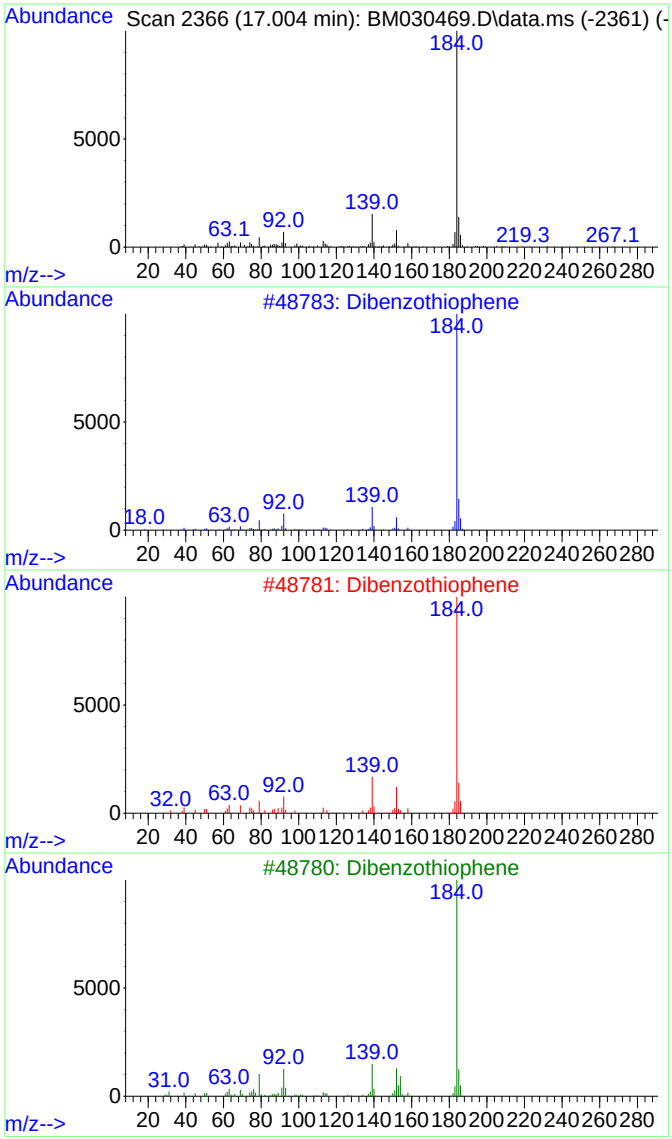
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

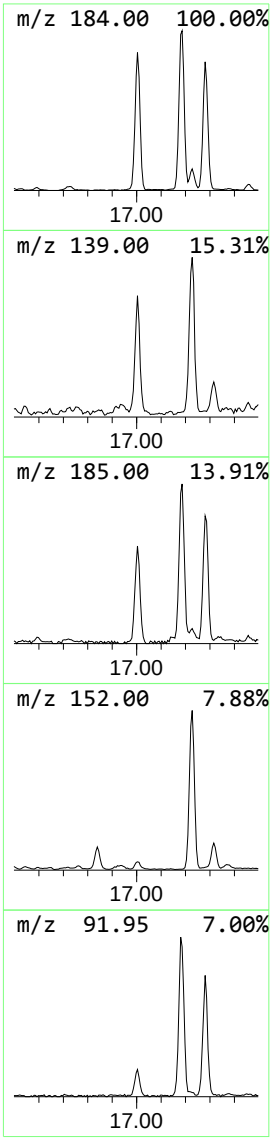
**********

Peak Number 17 Dibenzothiophene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.000 | 2.88 ng/ul | 274113 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 5 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

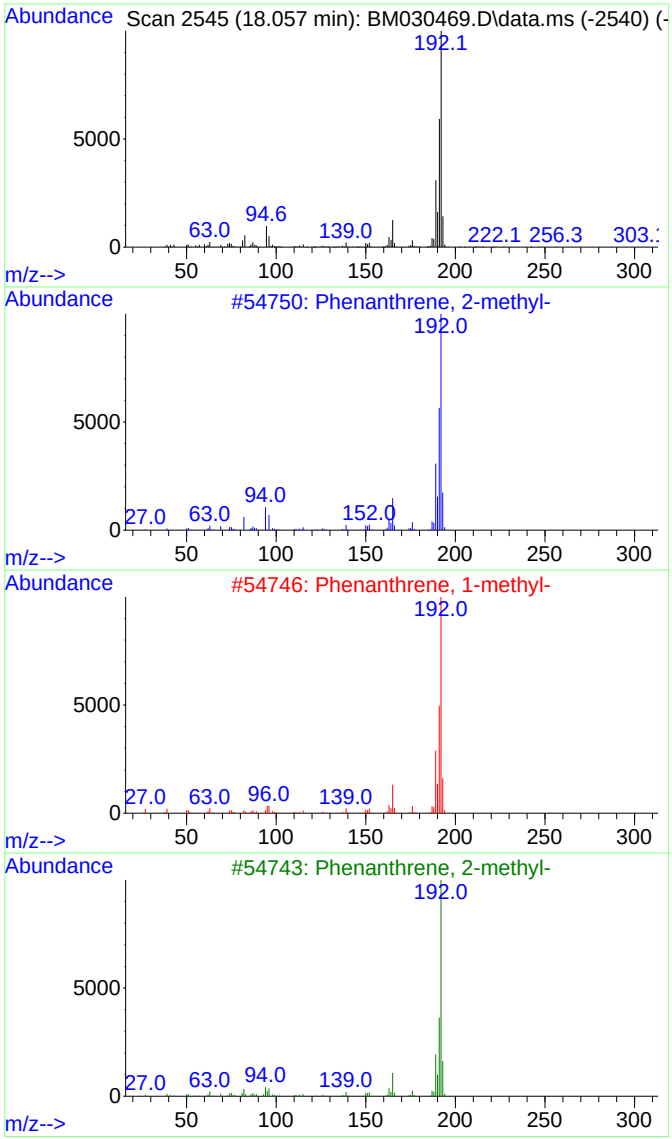
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

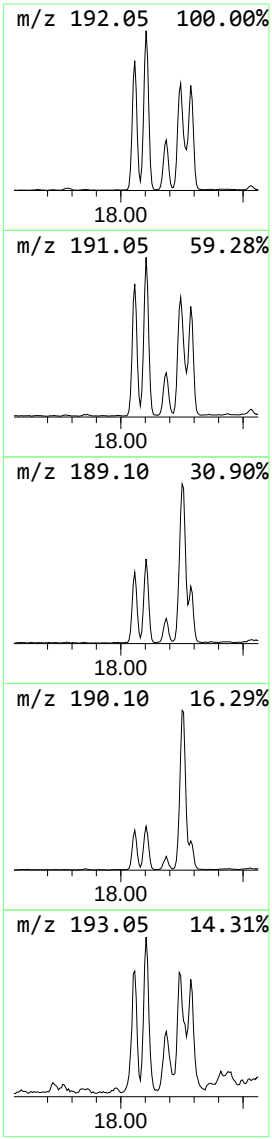
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.060 | 12.00 ng/ul | 1143720 | Phenanthrene-d10 | 17.186 |

| 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 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

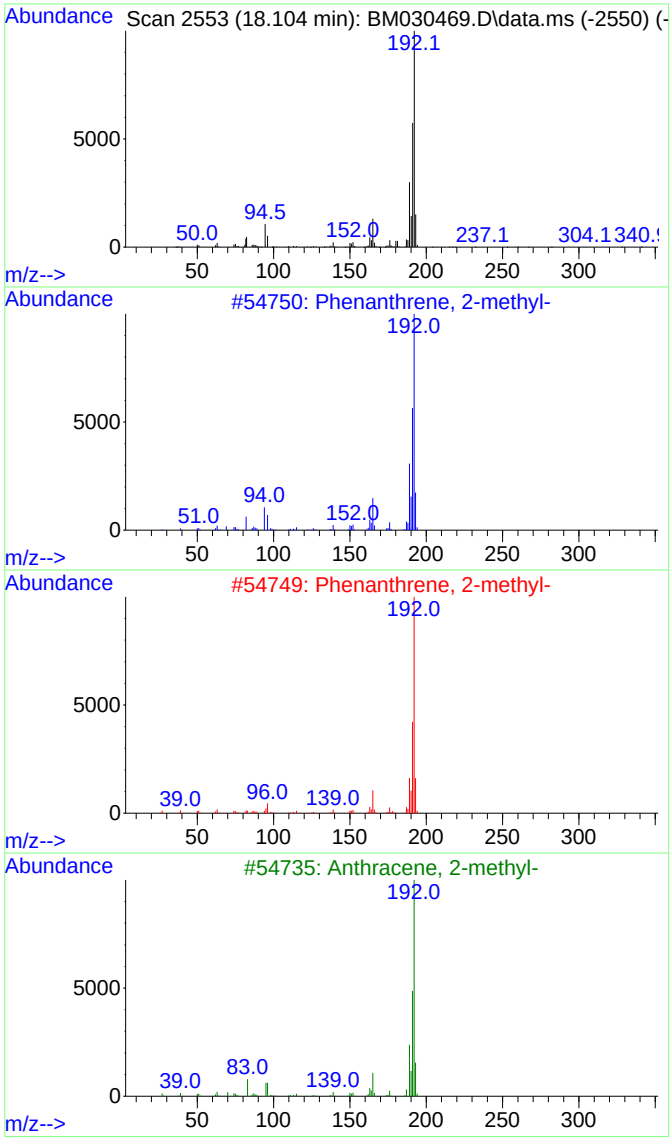
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

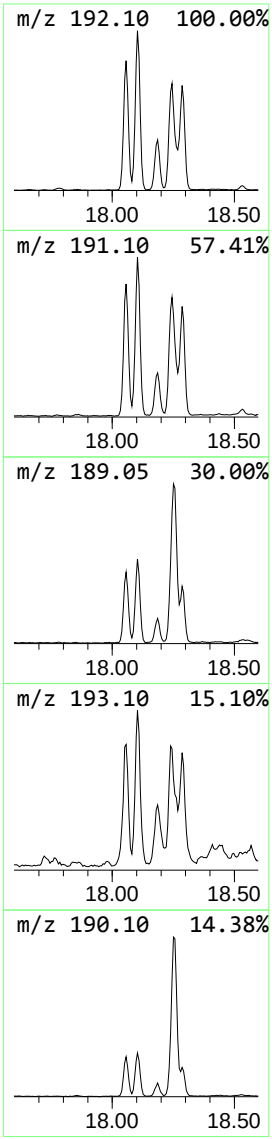
**********

Peak Number 19 Anthracene, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.100 | 10.38 ng/ul | 990024 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

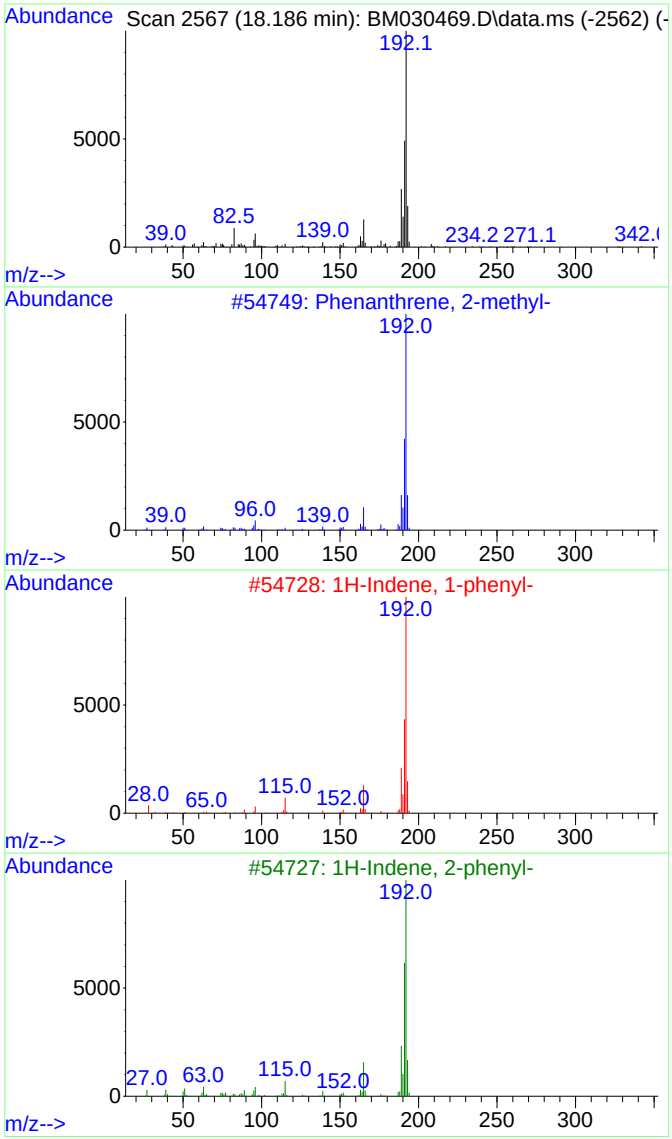
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

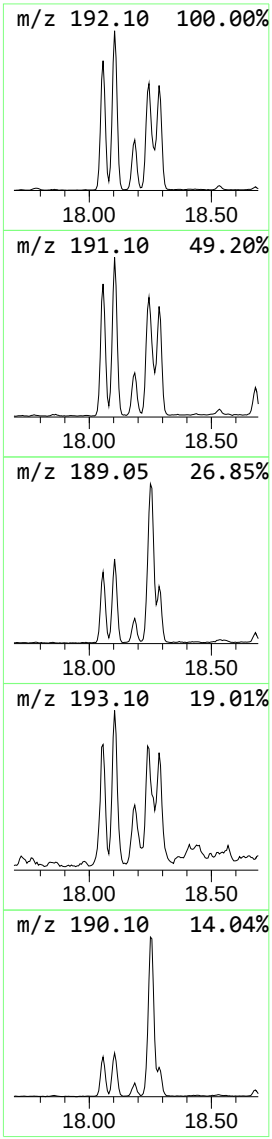
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 1H-Indene, 1-phenyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.190 | 3.22 ng/ul | 307150 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 95 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

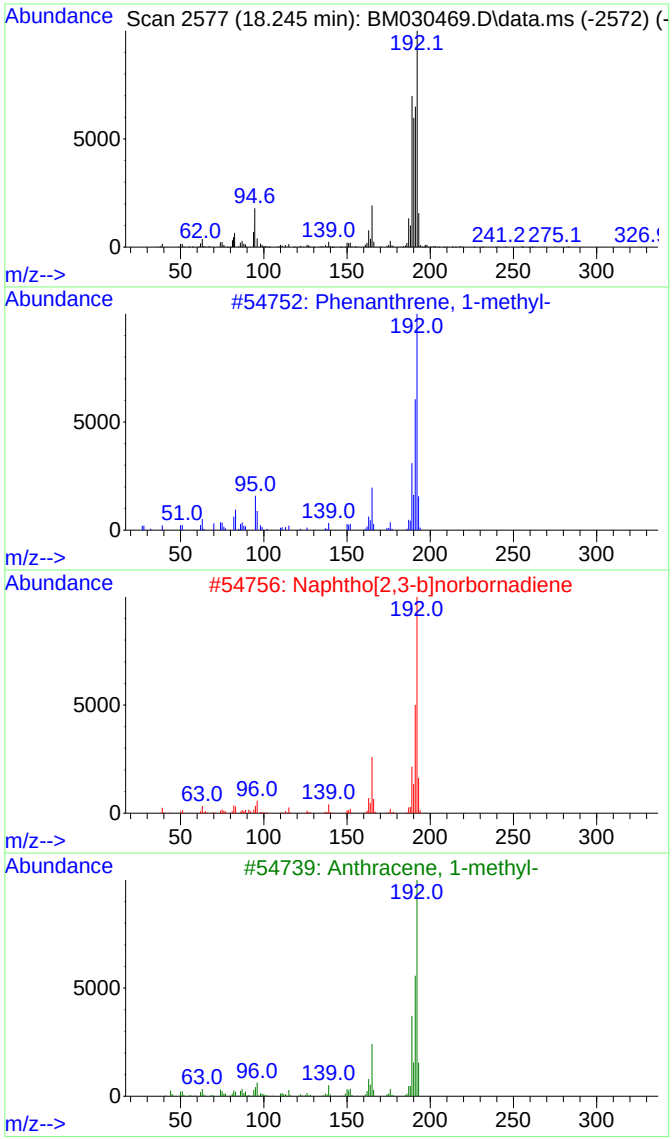
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

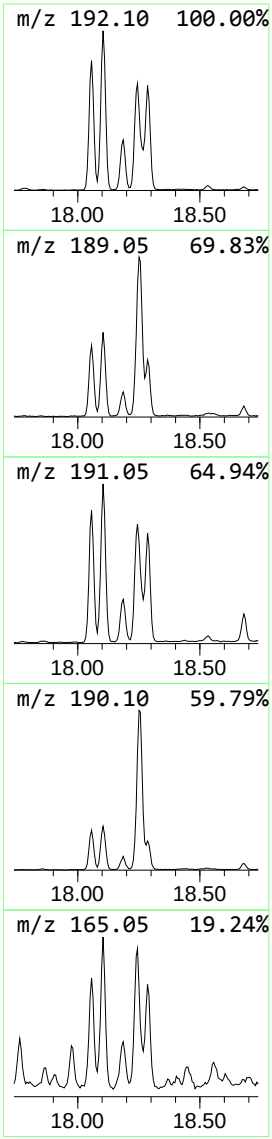
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Naphtho[2,3-b]norbornadiene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.240 | 13.73 ng/ul | 1309230 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 70 |
| 2 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 60 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 55 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 55 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

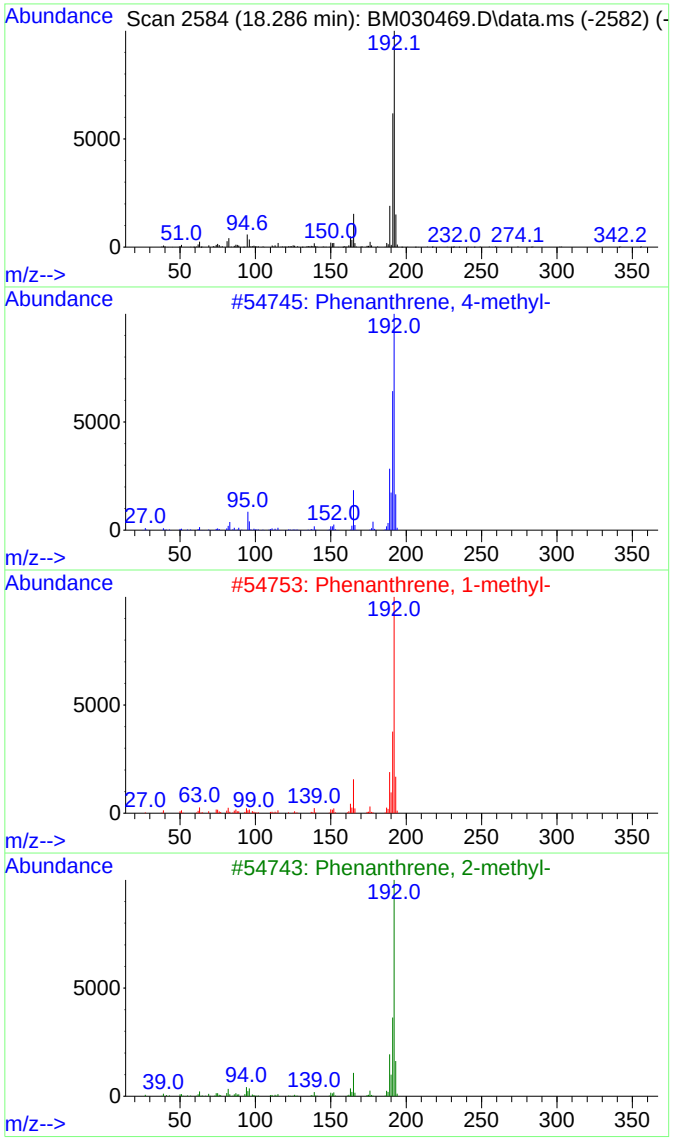
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

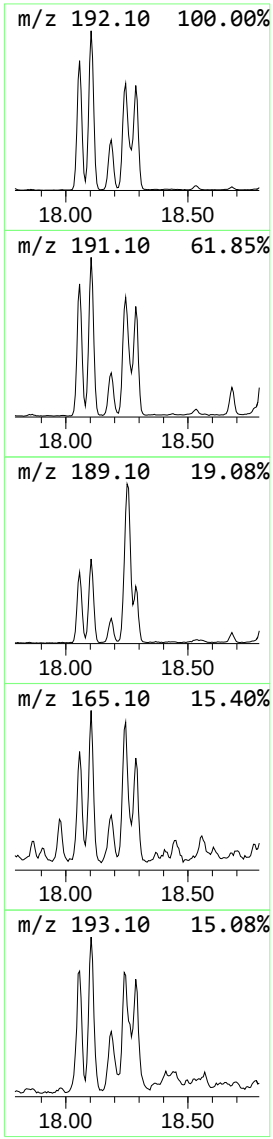
**********

Peak Number 22 Phenanthrene, 4-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.290 | 5.67 ng/ul | 540372 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 90 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 89 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 89 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

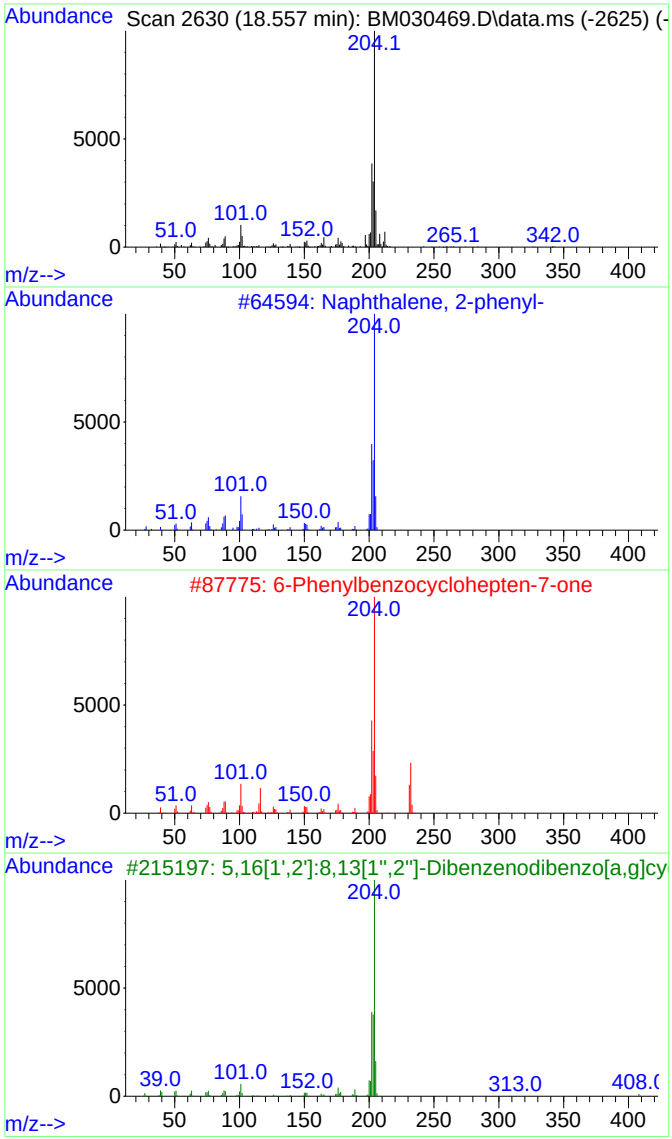
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

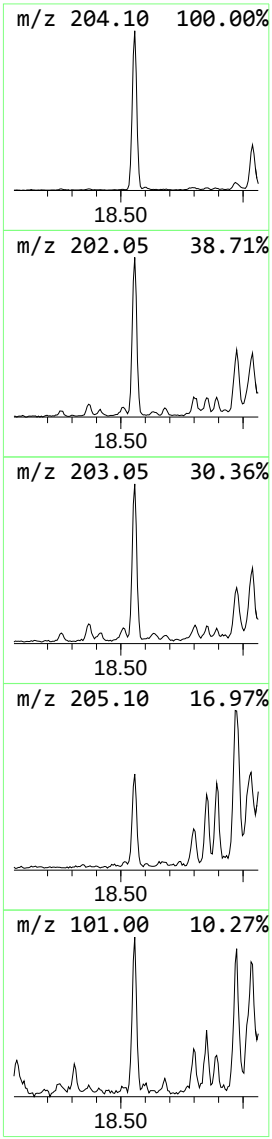
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.560 | 4.27 ng/ul | 406836 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 90 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 83 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

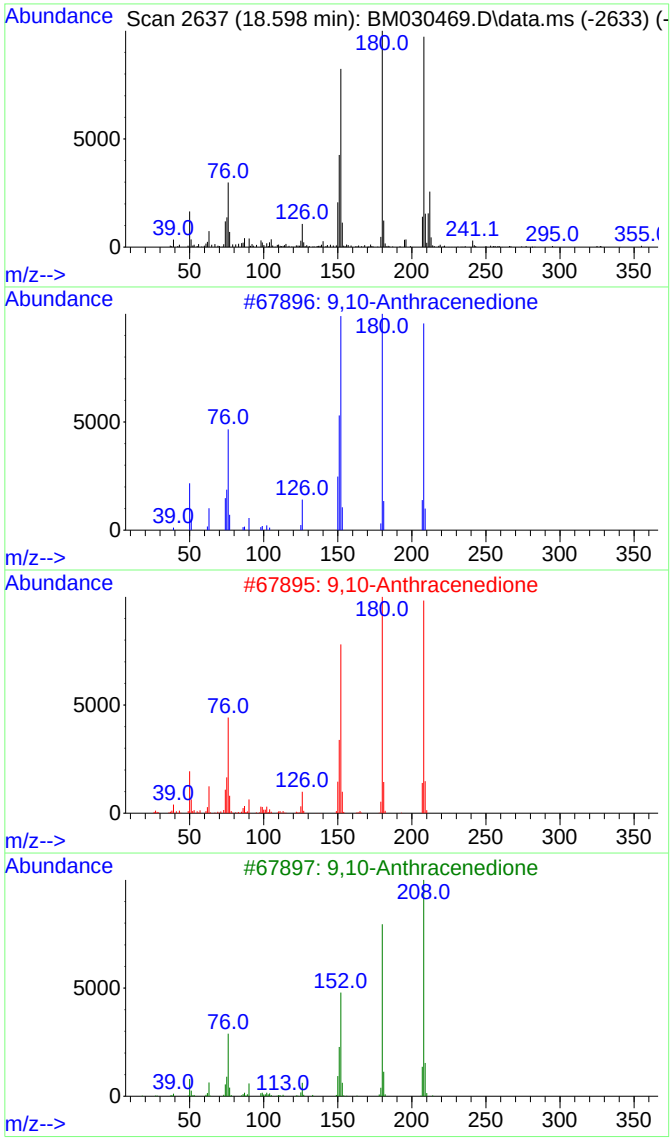
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

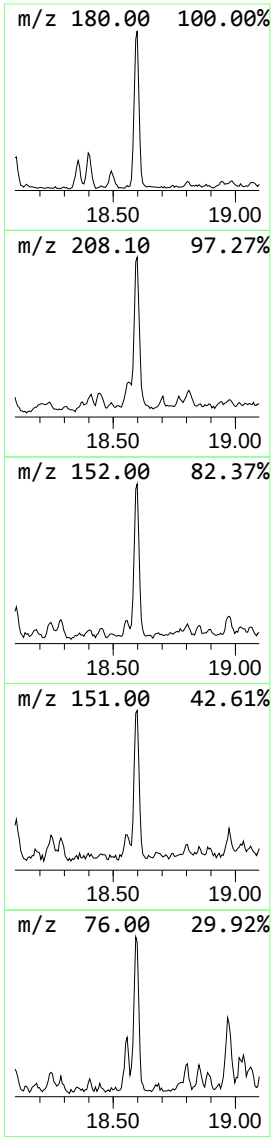
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 9,10-Anthracenedione Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.600 | 3.79 ng/ul | 361104 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 92 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 60 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

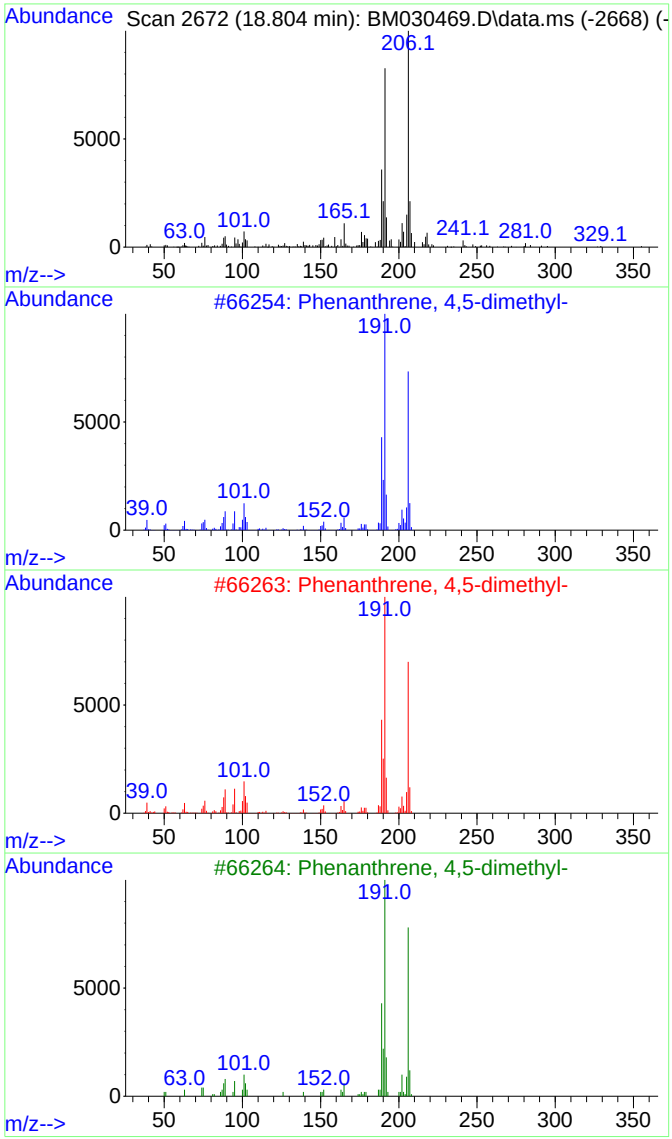
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

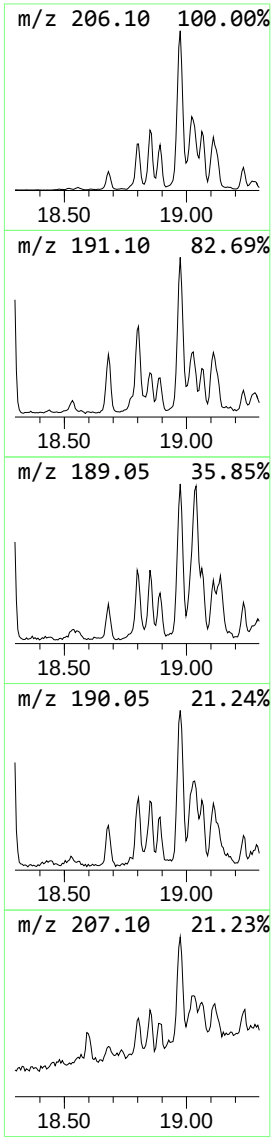
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 Phenanthrene, 4,5-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.800 | 2.64 ng/ul | 251842 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 93 |
| 2 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 93 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 93 |
| 4 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 90 |
| 5 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

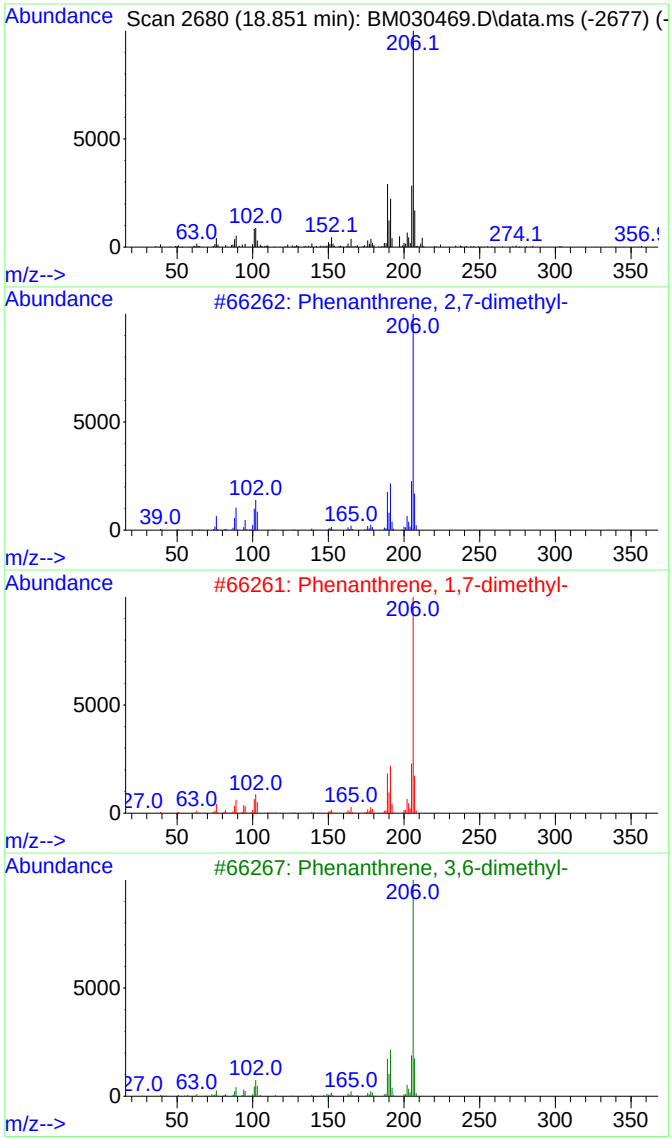
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

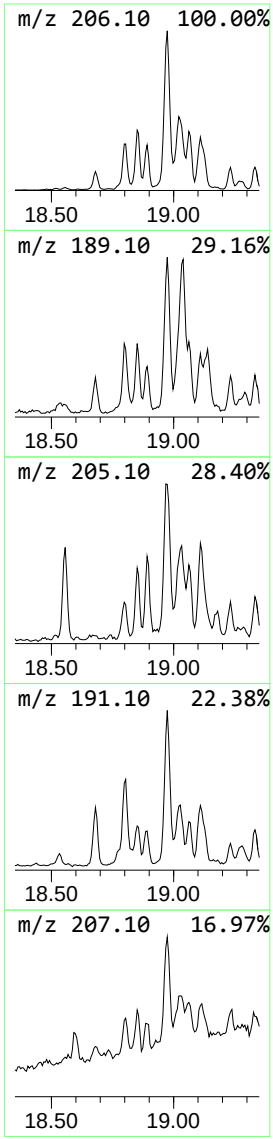
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 Phenanthrene, 2,7-dimethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.850 | 2.03 ng/ul | 193621 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 93 |
| 2 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |
| 3 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 91 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

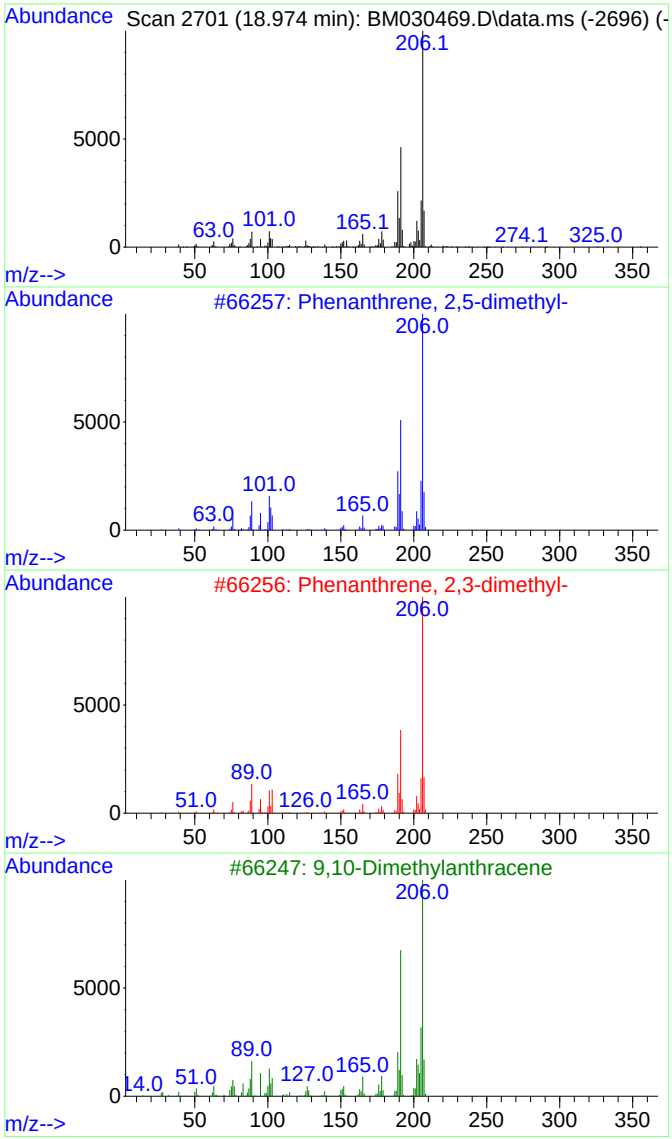
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

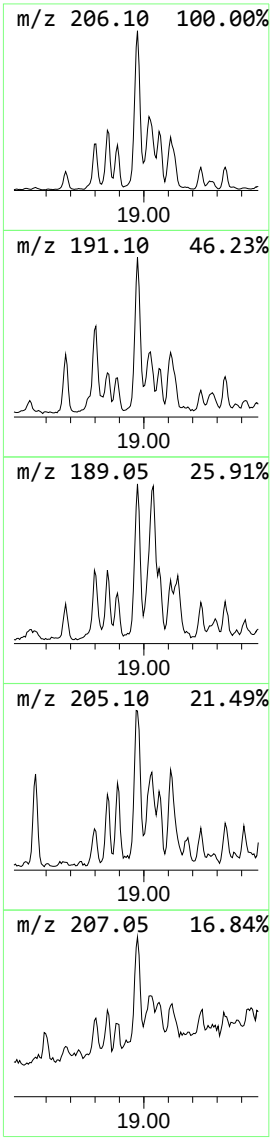
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.970 | 7.51 ng/ul | 715576 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 93 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

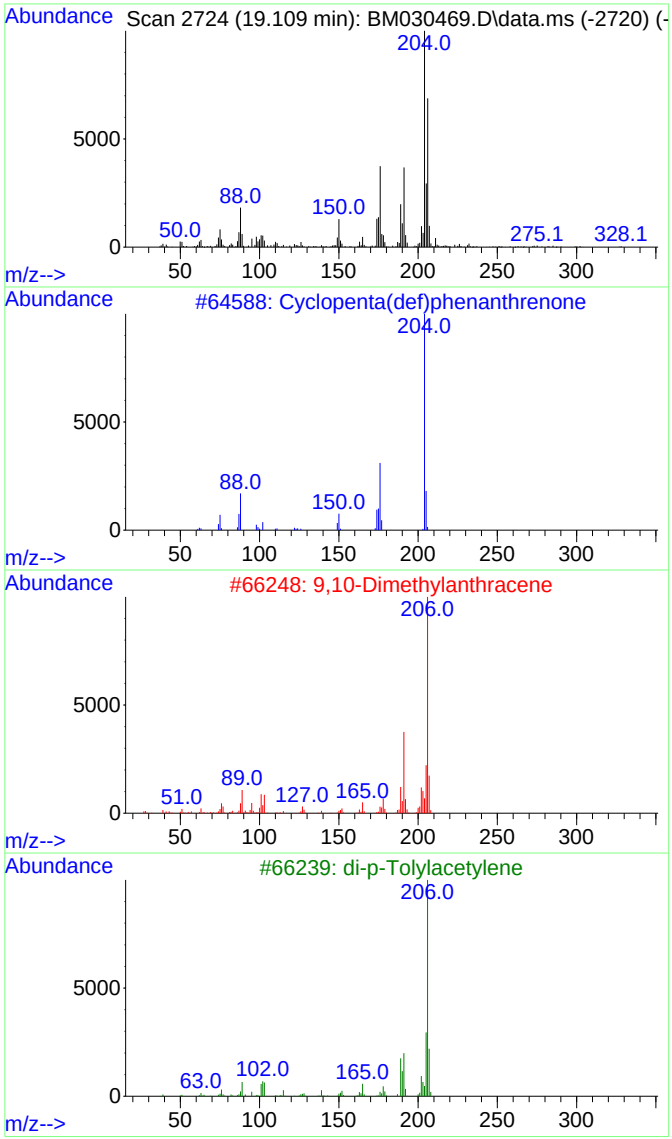
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

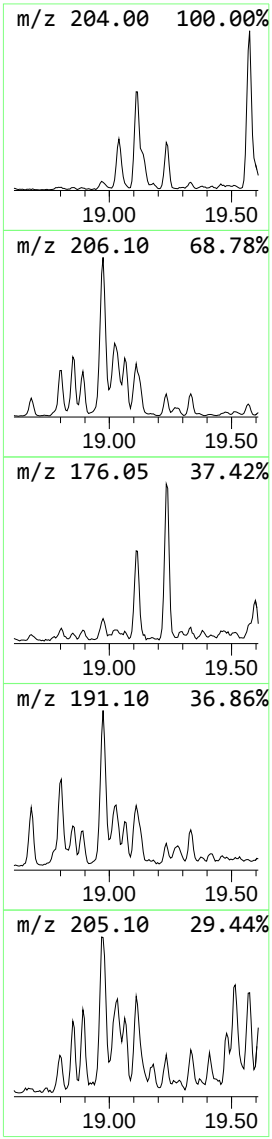
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Cyclopenta(def)phenanthrenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.110 | 6.27 ng/ul | 598062 | Phenanthrene-d10 | 17.186 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 83 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 42 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 42 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 42 |
| 5 | 1,1,4a-Trimethyl-5,6-dimethylene... | 204 | C15H24 | 1000193-60-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

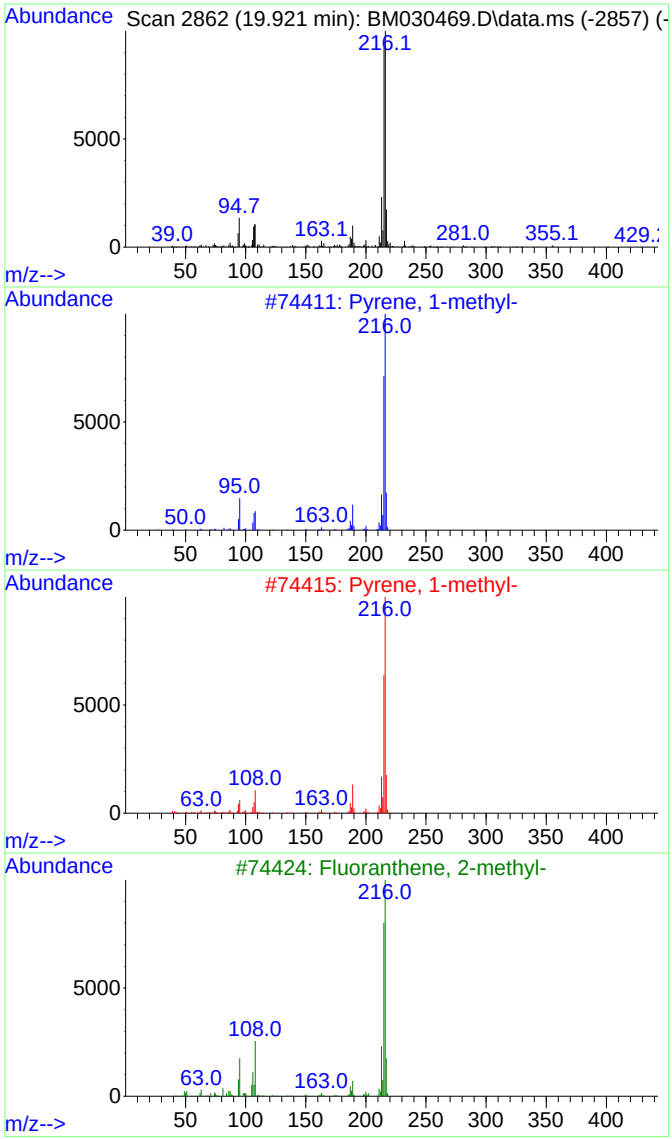
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

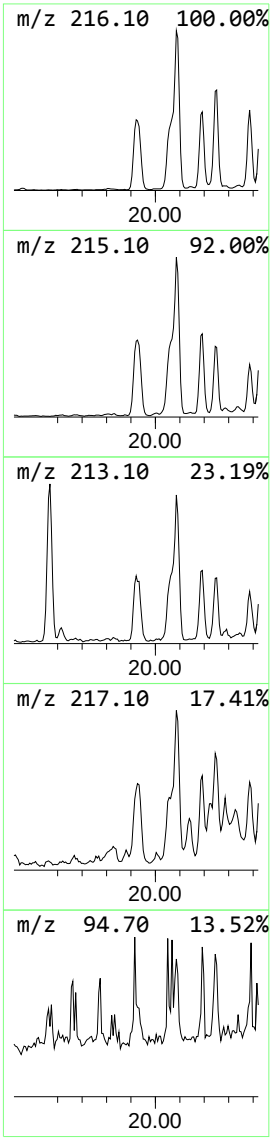
**********

Peak Number 29 Pyrene, 1-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.920 | 2.76 ng/ul | 848156 | Chrysene-d12 | 21.350 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
Quant Title : SVOA CALIBRATION

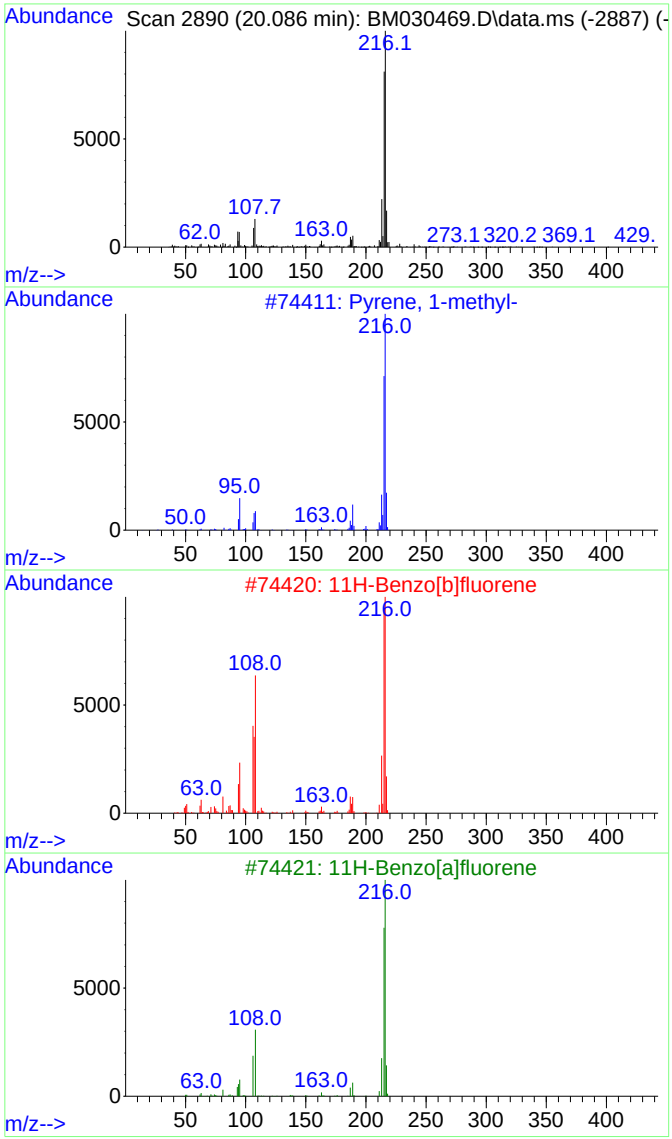
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

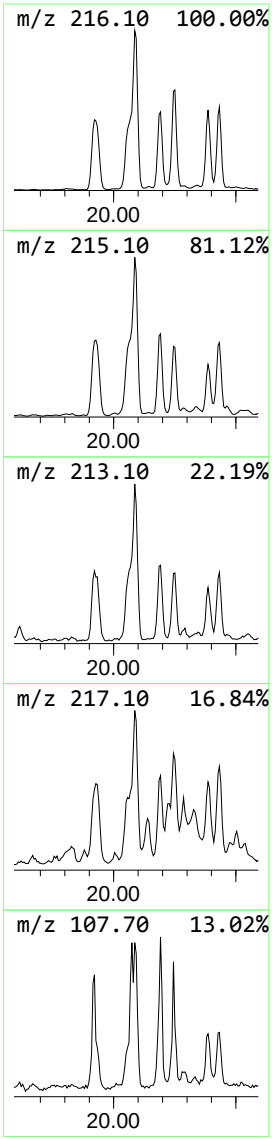
**********

Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.090 | 2.93 ng/ul | 901231 | Chrysene-d12 | 21.350 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 94 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061621\
Data File : BM030469.D
Acq On : 16 Jun 2021 15:43
Operator : CG/JU
Sample : M2596-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG5Q8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.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 | 3.820 | 6.7 | ng/ul | 352238 | 1 | 7.822 | 1052530 | 20.0 |
| unknown-02 | 4.590 | 2.4 | ng/ul | 124701 | 1 | 7.822 | 1052530 | 20.0 |
| unknown-03 | 4.950 | 2.1 | ng/ul | 110677 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 1,2,3-... | 7.050 | 3.0 | ng/ul | 158300 | 1 | 7.822 | 1052530 | 20.0 |
| Mesitylene | 7.470 | 9.4 | ng/ul | 496671 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 1,2,4-... | 7.940 | 2.7 | ng/ul | 143650 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 1-meth... | 8.370 | 2.8 | ng/ul | 145313 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 1-ethy... | 8.460 | 5.3 | ng/ul | 276782 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 2-ethy... | 8.920 | 4.9 | ng/ul | 256195 | 1 | 7.822 | 1052530 | 20.0 |
| Benzene, 1,2,4,... | 9.500 | 2.7 | ng/ul | 194367 | 2 | 10.610 | 1436160 | 20.0 |
| Benzene, 1-ethe... | 10.020 | 3.1 | ng/ul | 224025 | 2 | 10.610 | 1436160 | 20.0 |
| trans-calamenene | 14.760 | 2.8 | ng/ul | 232098 | 3 | 14.451 | 1683480 | 20.0 |
| 1,3,5-Triazine-... | 15.860 | 2.1 | ng/ul | 196321 | 4 | 17.186 | 1906770 | 20.0 |
| Tetradecane, 1-... | 16.940 | 3.2 | ng/ul | 301742 | 4 | 17.186 | 1906770 | 20.0 |
| Dibenzothiophene | 17.000 | 2.9 | ng/ul | 274113 | 4 | 17.186 | 1906770 | 20.0 |
| Phenanthrene, 2... | 18.060 | 12.0 | ng/ul | 1143720 | 4 | 17.186 | 1906770 | 20.0 |
| Anthracene, 2-m... | 18.100 | 10.4 | ng/ul | 990024 | 4 | 17.186 | 1906770 | 20.0 |
| 1H-Indene, 1-ph... | 18.190 | 3.2 | ng/ul | 307150 | 4 | 17.186 | 1906770 | 20.0 |
| Naphtho[2,3-b]n... | 18.240 | 13.7 | ng/ul | 1309230 | 4 | 17.186 | 1906770 | 20.0 |
| Phenanthrene, 4... | 18.290 | 5.7 | ng/ul | 540372 | 4 | 17.186 | 1906770 | 20.0 |
| Naphthalene, 2-... | 18.560 | 4.3 | ng/ul | 406836 | 4 | 17.186 | 1906770 | 20.0 |
| 9,10-Anthracene... | 18.600 | 3.8 | ng/ul | 361104 | 4 | 17.186 | 1906770 | 20.0 |
| Phenanthrene, 4... | 18.800 | 2.6 | ng/ul | 251842 | 4 | 17.186 | 1906770 | 20.0 |
| Phenanthrene, 2... | 18.850 | 2.0 | ng/ul | 193621 | 4 | 17.186 | 1906770 | 20.0 |
| Phenanthrene, 2... | 18.970 | 7.5 | ng/ul | 715576 | 4 | 17.186 | 1906770 | 20.0 |
| Cyclopenta(def)... | 19.110 | 6.3 | ng/ul | 598062 | 4 | 17.186 | 1906770 | 20.0 |
| Pyrene, 1-methyl- | 19.920 | 2.8 | ng/ul | 848156 | 5 | 21.350 | 6153220 | 20.0 |
| 11H-Benzo[b]flu... | 20.090 | 2.9 | ng/ul | 901231 | 5 | 21.350 | 6153220 | 20.0 |