LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BG059104.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.576 | 26 | 32 | 42 | rBV2 | 96682 | 153876 | 0.62% | 0.321% |
| 2 | 4.040 | 107 | 111 | 121 | rBV | 37794 | 66551 | 0.27% | 0.139% |
| 3 | 4.939 | 252 | 264 | 283 | rBV | 10469632 | 24929073 | 100.00% | 52.019% |
| 4 | 6.255 | 481 | 488 | 494 | rVB | 143136 | 230858 | 0.93% | 0.482% |
| 5 | 6.737 | 564 | 570 | 576 | rVB | 20605 | 33156 | 0.13% | 0.069% |
| 6 | 7.406 | 678 | 684 | 692 | rVB | 30886 | 62310 | 0.25% | 0.130% |
| 7 | 7.618 | 713 | 720 | 724 | rBV | 124410 | 222395 | 0.89% | 0.464% |
| 8 | 7.812 | 746 | 753 | 761 | rBV | 109011 | 188818 | 0.76% | 0.394% |
| 9 | 8.299 | 823 | 836 | 845 | rVV | 130696 | 228196 | 0.92% | 0.476% |
| 10 | 8.388 | 845 | 851 | 860 | rVB | 247711 | 393659 | 1.58% | 0.821% |
| 11 | 8.981 | 945 | 952 | 963 | rVB | 66628 | 186489 | 0.75% | 0.389% |
| 12 | 9.380 | 1014 | 1020 | 1030 | rVB3 | 18913 | 40713 | 0.16% | 0.085% |
| 13 | 9.486 | 1030 | 1038 | 1047 | rBV2 | 187333 | 423605 | 1.70% | 0.884% |
| 14 | 9.739 | 1071 | 1081 | 1093 | rBV | 836778 | 1416550 | 5.68% | 2.956% |
| 15 | 9.974 | 1115 | 1121 | 1128 | rVV2 | 33522 | 56656 | 0.23% | 0.118% |
| 16 | 10.215 | 1155 | 1162 | 1168 | rVB | 113037 | 198034 | 0.79% | 0.413% |
| 17 | 10.503 | 1205 | 1211 | 1218 | rBV | 78417 | 144996 | 0.58% | 0.303% |
| 18 | 10.744 | 1244 | 1252 | 1269 | rVB | 185301 | 359747 | 1.44% | 0.751% |
| 19 | 11.143 | 1314 | 1320 | 1324 | rBV | 206480 | 404818 | 1.62% | 0.845% |
| 20 | 11.196 | 1324 | 1329 | 1338 | rVB | 738596 | 1383217 | 5.55% | 2.886% |
| 21 | 11.284 | 1338 | 1344 | 1356 | rVB2 | 95474 | 229654 | 0.92% | 0.479% |
| 22 | 11.590 | 1390 | 1396 | 1403 | rBV4 | 28088 | 62035 | 0.25% | 0.129% |
| 23 | 11.701 | 1411 | 1415 | 1423 | rVB4 | 25965 | 43945 | 0.18% | 0.092% |
| 24 | 12.019 | 1464 | 1469 | 1476 | rVB2 | 27646 | 50056 | 0.20% | 0.104% |
| 25 | 12.207 | 1497 | 1501 | 1506 | rVB2 | 30386 | 47327 | 0.19% | 0.099% |
| 26 | 12.301 | 1511 | 1517 | 1521 | rBV7 | 21754 | 36202 | 0.15% | 0.076% |
| 27 | 12.400 | 1527 | 1534 | 1542 | rVB5 | 26295 | 62068 | 0.25% | 0.130% |
| 28 | 12.483 | 1542 | 1548 | 1552 | rBV4 | 15949 | 32316 | 0.13% | 0.067% |
| 29 | 12.777 | 1591 | 1598 | 1604 | rVB | 58588 | 108127 | 0.43% | 0.226% |
| 30 | 12.994 | 1622 | 1635 | 1641 | rBV | 690289 | 1174524 | 4.71% | 2.451% |
| 31 | 13.264 | 1672 | 1681 | 1685 | rBV9 | 17510 | 49190 | 0.20% | 0.103% |
| 32 | 13.405 | 1699 | 1705 | 1710 | rBV2 | 155757 | 243587 | 0.98% | 0.508% |
| 33 | 13.476 | 1713 | 1717 | 1724 | rVB9 | 16709 | 33786 | 0.14% | 0.071% |
| 34 | 13.617 | 1735 | 1741 | 1753 | rBV10 | 41448 | 123280 | 0.49% | 0.257% |
| 35 | 13.764 | 1758 | 1766 | 1770 | rBV2 | 86120 | 154054 | 0.62% | 0.321% |
| 36 | 13.905 | 1784 | 1790 | 1796 | rBV2 | 272424 | 464868 | 1.86% | 0.970% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BBJS5

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.957 | 1796 | 1799 | 1801 | rBV3 | 30482 | 37582 | 0.15% | 0.078% |
| 38 | 14.075 | 1812 | 1819 | 1820 | rBV2 | 138389 | 189875 | 0.76% | 0.396% |
| 39 | 14.110 | 1820 | 1825 | 1831 | rVV3 | 511242 | 873390 | 3.50% | 1.822% |
| 40 | 14.163 | 1831 | 1834 | 1836 | rVV4 | 21537 | 33044 | 0.13% | 0.069% |
| 41 | 14.193 | 1836 | 1839 | 1842 | rVV4 | 38604 | 63142 | 0.25% | 0.132% |
| 42 | 14.240 | 1842 | 1847 | 1852 | rVV | 250622 | 477716 | 1.92% | 0.997% |
| 43 | 14.322 | 1852 | 1861 | 1870 | rVV2 | 378329 | 906497 | 3.64% | 1.892% |
| 44 | 14.416 | 1873 | 1877 | 1883 | rVV5 | 43942 | 79244 | 0.32% | 0.165% |
| 45 | 14.480 | 1883 | 1888 | 1891 | rVV2 | 89309 | 154375 | 0.62% | 0.322% |
| 46 | 14.516 | 1891 | 1894 | 1902 | rVB4 | 81819 | 149227 | 0.60% | 0.311% |
| 47 | 14.633 | 1908 | 1914 | 1923 | rBV2 | 455689 | 765767 | 3.07% | 1.598% |
| 48 | 14.739 | 1925 | 1932 | 1938 | rVB7 | 43635 | 100216 | 0.40% | 0.209% |
| 49 | 14.798 | 1938 | 1942 | 1945 | rBV4 | 24955 | 33968 | 0.14% | 0.071% |
| 50 | 14.880 | 1952 | 1956 | 1959 | rVV3 | 47816 | 79583 | 0.32% | 0.166% |
| 51 | 14.927 | 1959 | 1964 | 1972 | rVV | 328145 | 545460 | 2.19% | 1.138% |
| 52 | 14.992 | 1972 | 1975 | 1979 | rVV4 | 37172 | 53843 | 0.22% | 0.112% |
| 53 | 15.039 | 1979 | 1983 | 1988 | rVV3 | 48156 | 68565 | 0.28% | 0.143% |
| 54 | 15.097 | 1988 | 1993 | 2005 | rVB5 | 99343 | 215020 | 0.86% | 0.449% |
| 55 | 15.238 | 2013 | 2017 | 2019 | rBV5 | 26767 | 36989 | 0.15% | 0.077% |
| 56 | 15.297 | 2019 | 2027 | 2030 | rVV5 | 24214 | 53393 | 0.21% | 0.111% |
| 57 | 15.385 | 2037 | 2042 | 2049 | rVB3 | 58623 | 101248 | 0.41% | 0.211% |
| 58 | 15.450 | 2049 | 2053 | 2056 | rBV5 | 26902 | 41869 | 0.17% | 0.087% |
| 59 | 15.532 | 2061 | 2067 | 2072 | rVV5 | 91583 | 195744 | 0.79% | 0.408% |
| 60 | 15.679 | 2087 | 2092 | 2097 | rVV7 | 31158 | 77732 | 0.31% | 0.162% |
| 61 | 15.750 | 2097 | 2104 | 2112 | rVB5 | 106370 | 185410 | 0.74% | 0.387% |
| 62 | 15.914 | 2127 | 2132 | 2137 | rVV | 526421 | 790196 | 3.17% | 1.649% |
| 63 | 15.961 | 2137 | 2140 | 2145 | rVV4 | 52053 | 104082 | 0.42% | 0.217% |
| 64 | 16.020 | 2145 | 2150 | 2156 | rVB2 | 188845 | 292540 | 1.17% | 0.610% |
| 65 | 16.096 | 2158 | 2163 | 2167 | rVV3 | 40387 | 74459 | 0.30% | 0.155% |
| 66 | 16.155 | 2169 | 2173 | 2175 | rVV4 | 19996 | 32050 | 0.13% | 0.067% |
| 67 | 16.190 | 2175 | 2179 | 2184 | rVV | 63959 | 98532 | 0.40% | 0.206% |
| 68 | 16.249 | 2185 | 2189 | 2196 | rVB7 | 33001 | 59366 | 0.24% | 0.124% |
| 69 | 16.443 | 2219 | 2222 | 2225 | rBV3 | 21310 | 31127 | 0.12% | 0.065% |
| 70 | 16.484 | 2226 | 2229 | 2235 | rVB6 | 20436 | 32898 | 0.13% | 0.069% |
| 71 | 16.643 | 2249 | 2256 | 2261 | rBV5 | 112369 | 227788 | 0.91% | 0.475% |
| 72 | 16.878 | 2293 | 2296 | 2298 | rVV | 32530 | 47146 | 0.19% | 0.098% |
| 73 | 16.907 | 2298 | 2301 | 2304 | rVV2 | 42981 | 78083 | 0.31% | 0.163% |
| 74 | 16.936 | 2304 | 2306 | 2315 | rVB | 60384 | 107095 | 0.43% | 0.223% |
| 75 | 17.030 | 2315 | 2322 | 2328 | rBV8 | 27264 | 70153 | 0.28% | 0.146% |
| 76 | 17.242 | 2356 | 2358 | 2364 | rVB7 | 25952 | 44271 | 0.18% | 0.092% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 17.401 | 2381 | 2385 | 2391 | rBV8 | 21373 | 41853 | 0.17% | 0.087% |
| 78 | 17.471 | 2391 | 2397 | 2402 | rBV5 | 54116 | 118536 | 0.48% | 0.247% |
| 79 | 17.641 | 2421 | 2426 | 2427 | rBV | 62286 | 78042 | 0.31% | 0.163% |
| 80 | 17.677 | 2427 | 2432 | 2437 | rVV | 420030 | 674875 | 2.71% | 1.408% |
| 81 | 17.718 | 2437 | 2439 | 2442 | rVV | 46582 | 64595 | 0.26% | 0.135% |
| 82 | 17.777 | 2442 | 2449 | 2461 | rVB2 | 614288 | 1076582 | 4.32% | 2.246% |
| 83 | 18.082 | 2497 | 2501 | 2507 | rVB | 102791 | 159500 | 0.64% | 0.333% |
| 84 | 18.311 | 2535 | 2540 | 2546 | rVB9 | 19854 | 42582 | 0.17% | 0.089% |
| 85 | 18.388 | 2549 | 2553 | 2557 | rVV3 | 23536 | 36196 | 0.15% | 0.076% |
| 86 | 18.452 | 2560 | 2564 | 2568 | rVV6 | 34426 | 51144 | 0.21% | 0.107% |
| 87 | 18.499 | 2569 | 2572 | 2578 | rVV4 | 49106 | 84759 | 0.34% | 0.177% |
| 88 | 18.587 | 2582 | 2587 | 2593 | rVV | 134018 | 199962 | 0.80% | 0.417% |
| 89 | 18.652 | 2593 | 2598 | 2604 | rVB3 | 23923 | 42554 | 0.17% | 0.089% |
| 90 | 18.887 | 2634 | 2638 | 2643 | rVV2 | 31034 | 42813 | 0.17% | 0.089% |
| 91 | 18.981 | 2649 | 2654 | 2659 | rVB | 62729 | 89752 | 0.36% | 0.187% |
| 92 | 19.433 | 2724 | 2731 | 2734 | rVV6 | 24746 | 64450 | 0.26% | 0.134% |
| 93 | 19.469 | 2734 | 2737 | 2742 | rVB2 | 40897 | 59875 | 0.24% | 0.125% |
| 94 | 19.762 | 2783 | 2787 | 2791 | rBV7 | 24544 | 36003 | 0.14% | 0.075% |
| 95 | 20.050 | 2830 | 2836 | 2845 | rVV | 703714 | 1026681 | 4.12% | 2.142% |
| 96 | 22.001 | 3161 | 3168 | 3179 | rVB | 318747 | 563193 | 2.26% | 1.175% |
| 97 | 25.297 | 3717 | 3729 | 3741 | rBV2 | 339194 | 1032357 | 4.14% | 2.154% |
| 98 | 25.473 | 3750 | 3759 | 3761 | rBV6 | 12672 | 29758 | 0.12% | 0.062% |
| 99 | 25.550 | 3762 | 3772 | 3786 | rVB | 206322 | 620116 | 2.49% | 1.294% |
| 100 | 28.241 | 4220 | 4230 | 4239 | rBV6 | 11921 | 39232 | 0.16% | 0.082% |

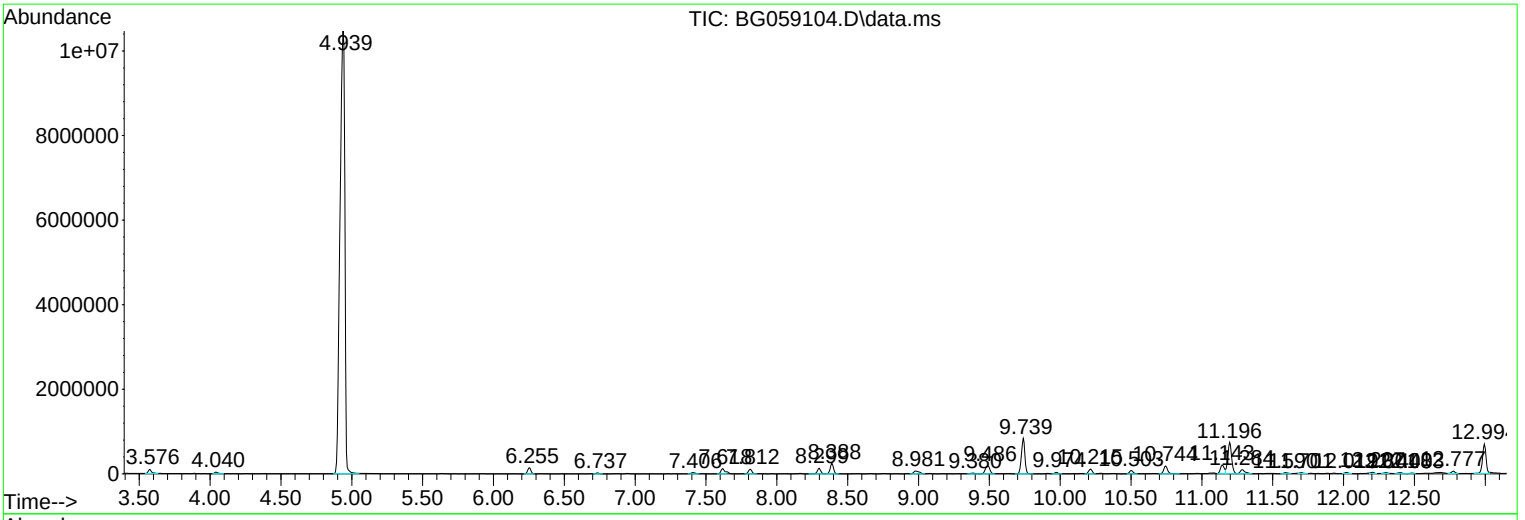
Sum of corrected areas: 47922831

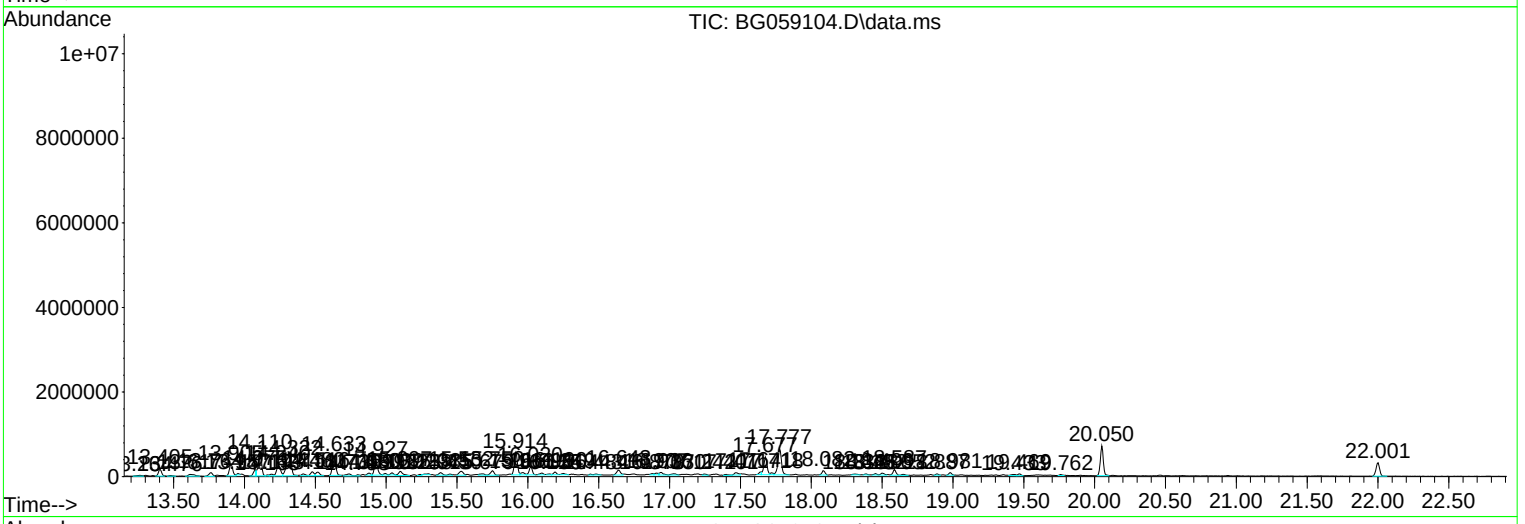
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

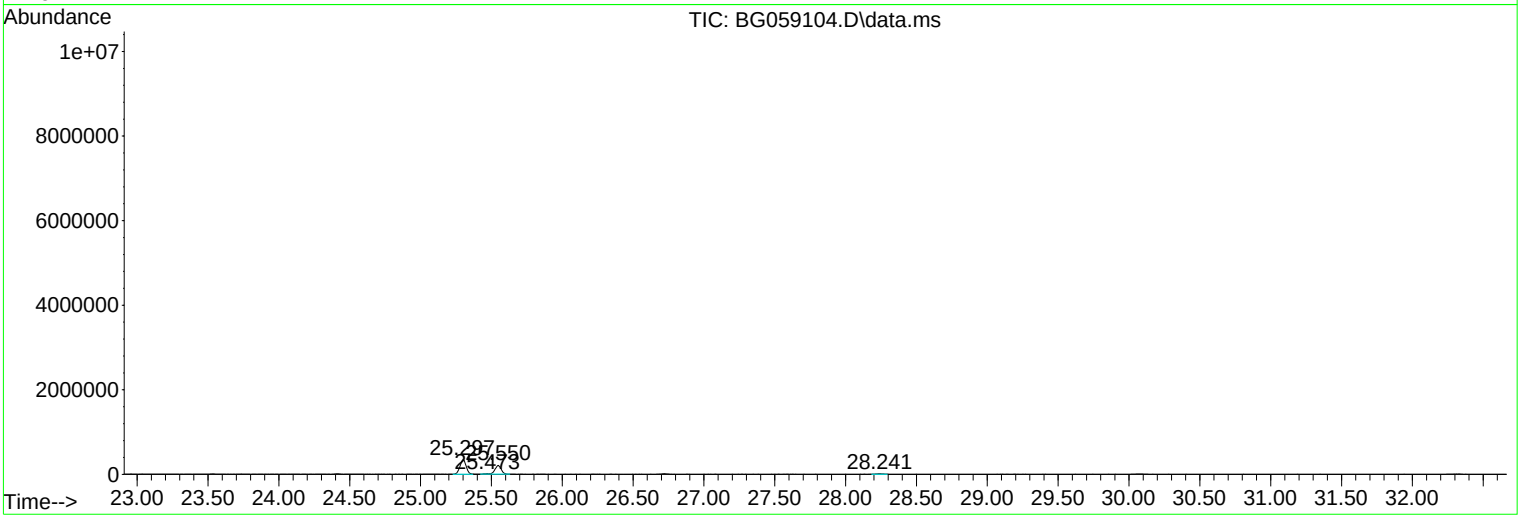
**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

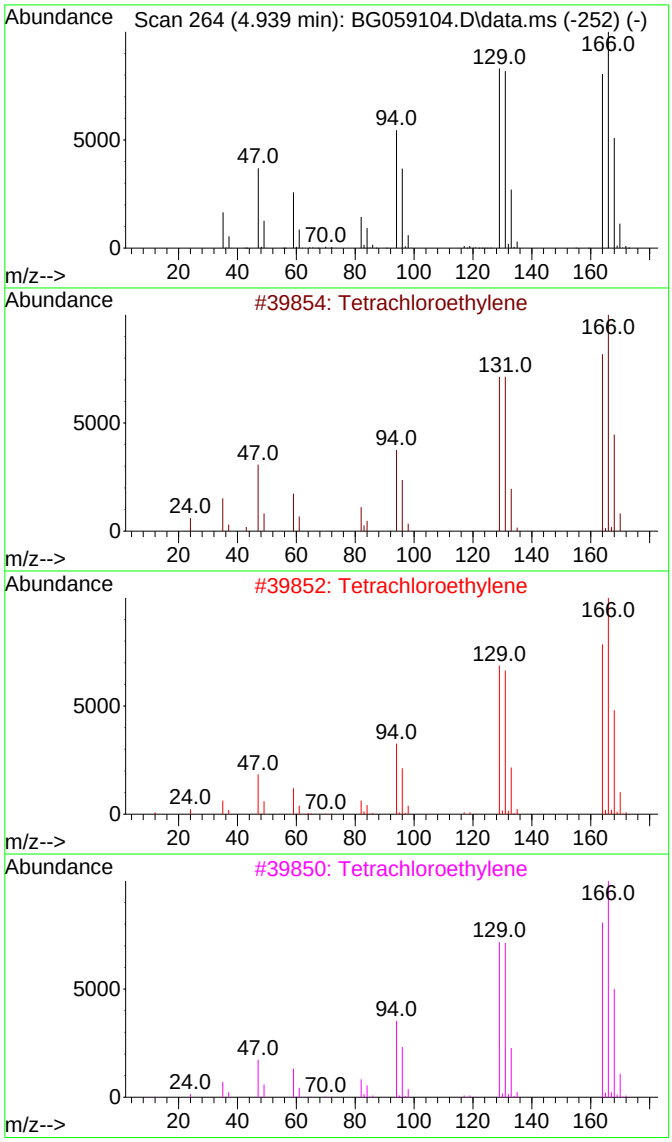
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

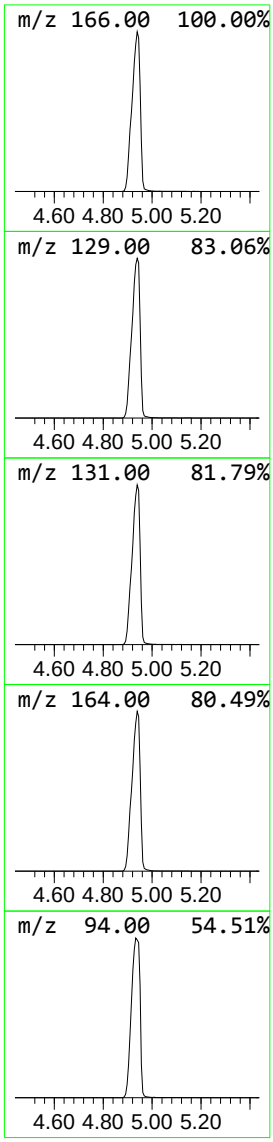
**********

Peak Number 1 Tetrachloroethylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.939 | 2184.88 ng/ul | 24929100 | 1,4-Dichlorobenzene-d4 | 8.299 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 99 |
| 2 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 98 |
| 3 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 98 |
| 4 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 94 |
| 5 | Pyrimidine, 5-fluoro-2,4-dichloro- | 166 | C4HCl2FN2 | 002927-71-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

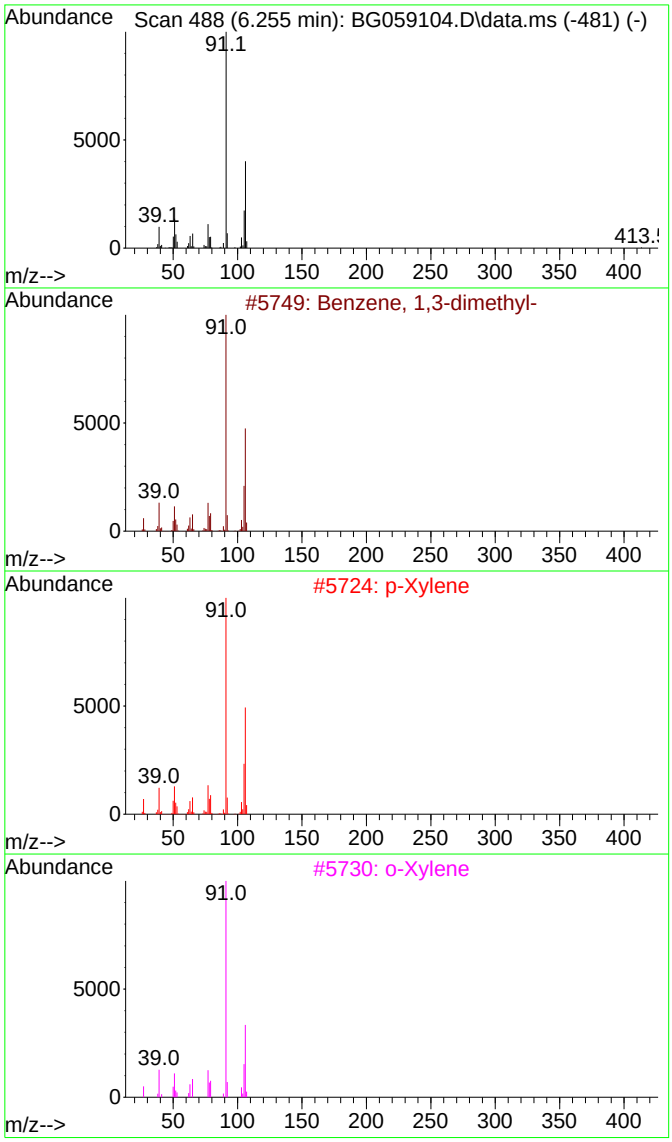
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

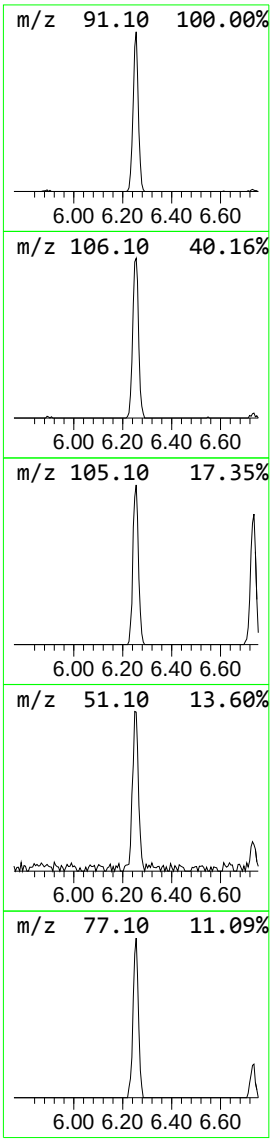
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.255 | 20.23 ng/ul | 230858 | 1,4-Dichlorobenzene-d4 | 8.299 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 93 |
| 2 | p-Xylene | 106 | C8H10 | 000106-42-3 | 93 |
| 3 | o-Xylene | 106 | C8H10 | 000095-47-6 | 91 |
| 4 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 90 |
| 5 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

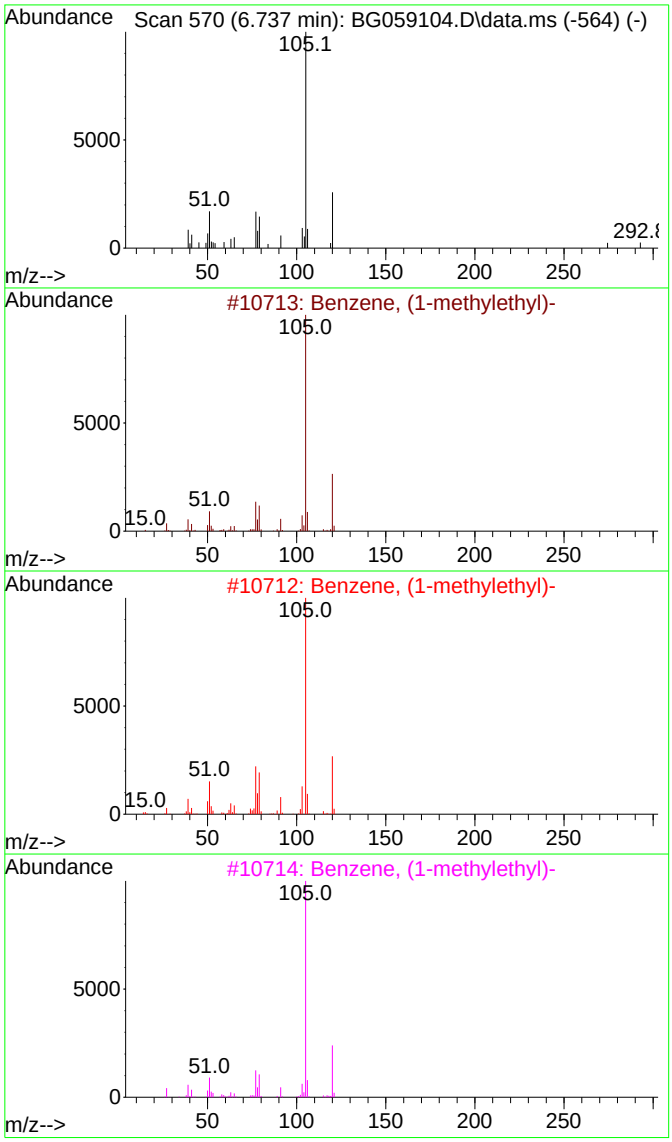
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

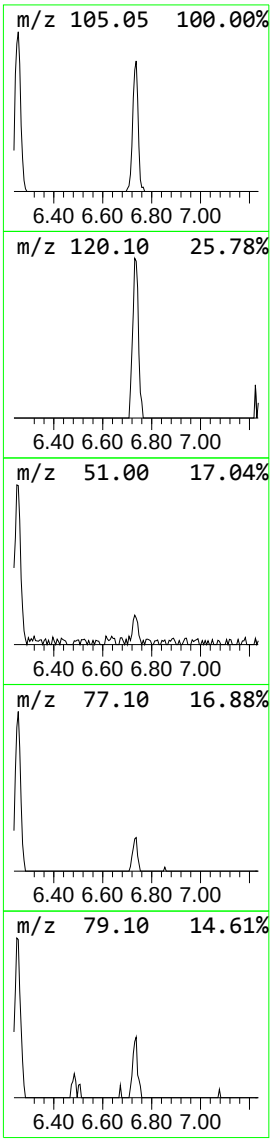
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.737 | 2.91 ng/ul | 33156 | 1,4-Dichlorobenzene-d4 | 8.299 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 91 |
| 2 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 87 |
| 3 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 86 |
| 4 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 86 |
| 5 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

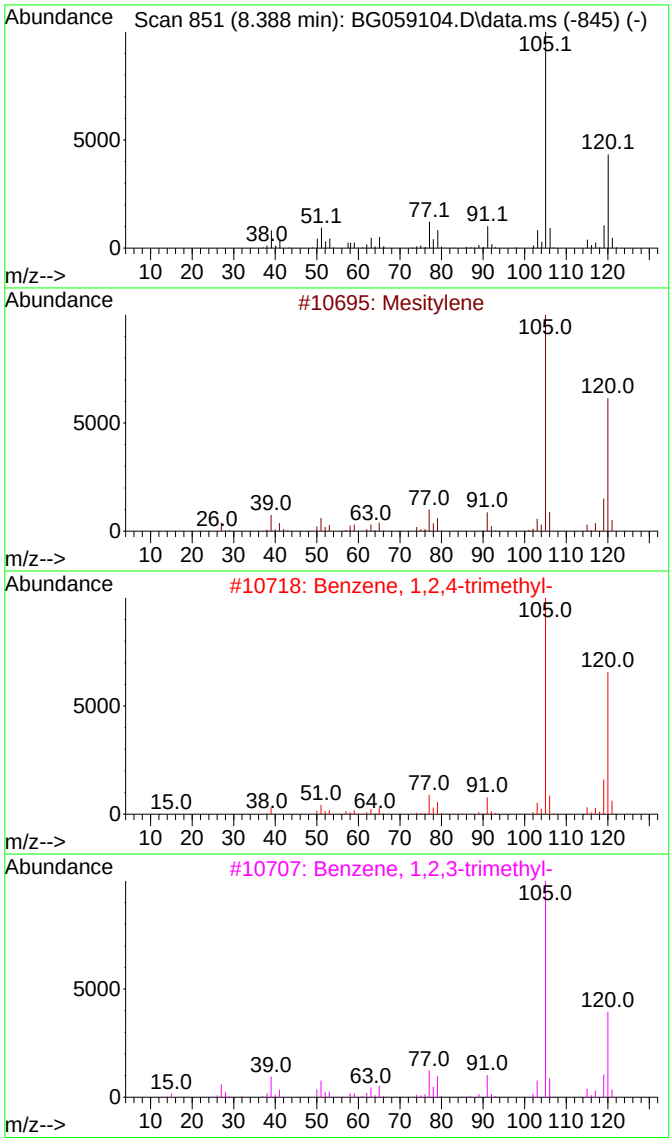
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

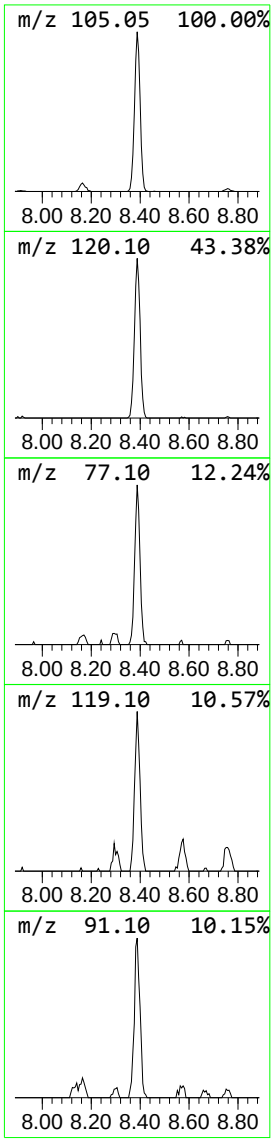
**********

Peak Number 4 Mesitylene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.388 | 34.50 ng/ul | 393659 | 1,4-Dichlorobenzene-d4 | 8.299 |

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



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Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

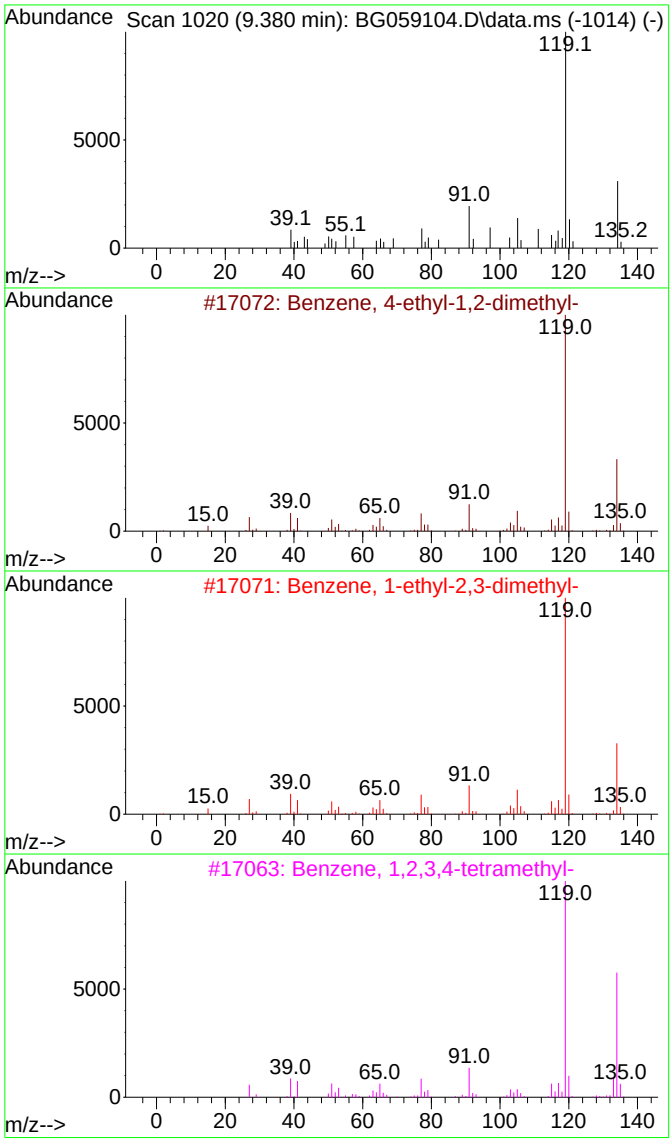
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

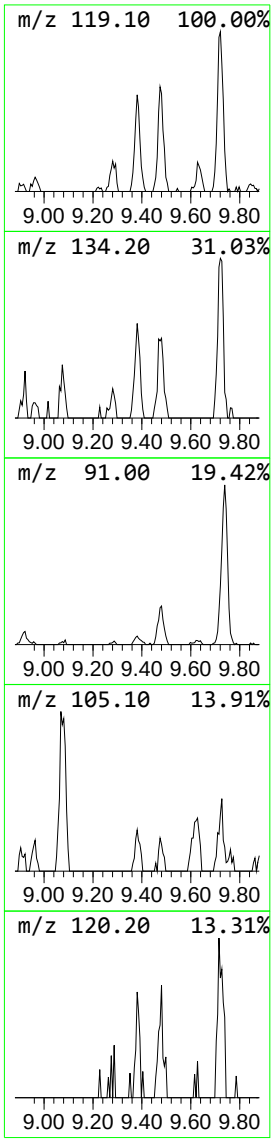
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.380 | 3.57 ng/ul | 40713 | 1,4-Dichlorobenzene-d4 | 8.299 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 90 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 90 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 87 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 87 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

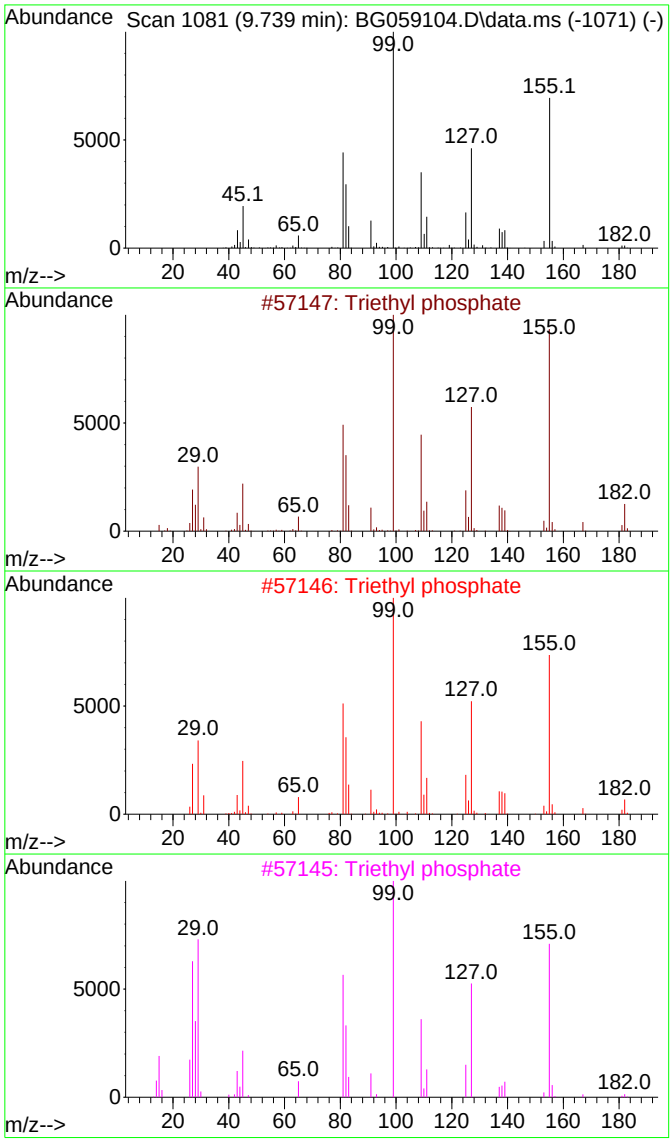
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

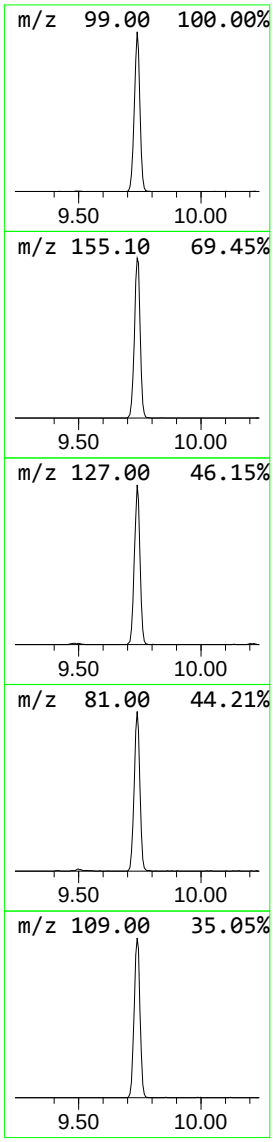
**********

Peak Number 6 Triethyl phosphate Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.739 | 69.98 ng/ul | 1416550 | Naphthalene-d8 | 11.143 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triethyl phosphate | 182 | C6H15O4P | 000078-40-0 | 91 |
| 2 | Triethyl phosphate | 182 | C6H15O4P | 000078-40-0 | 83 |
| 3 | Triethyl phosphate | 182 | C6H15O4P | 000078-40-0 | 68 |
| 4 | Triethyl phosphate | 182 | C6H15O4P | 000078-40-0 | 64 |
| 5 | Phosphoric acid, diethyl pentyl ... | 224 | C9H21O4P | 020195-08-8 | 38 |



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Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

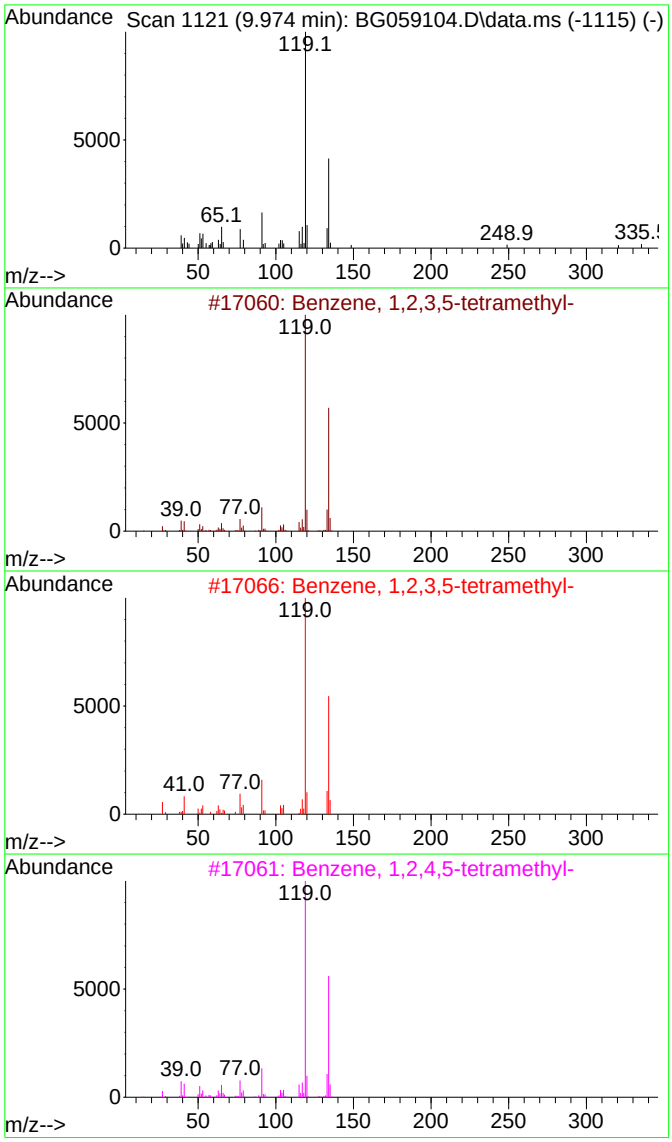
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

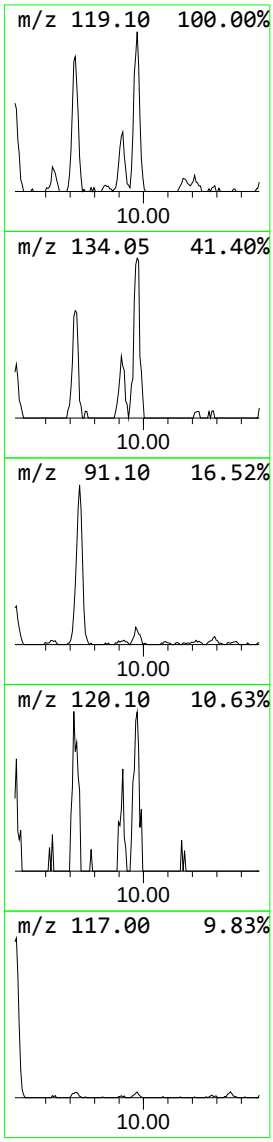
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.974 | 2.80 ng/ul | 56656 | Naphthalene-d8 | 11.143 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 91 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

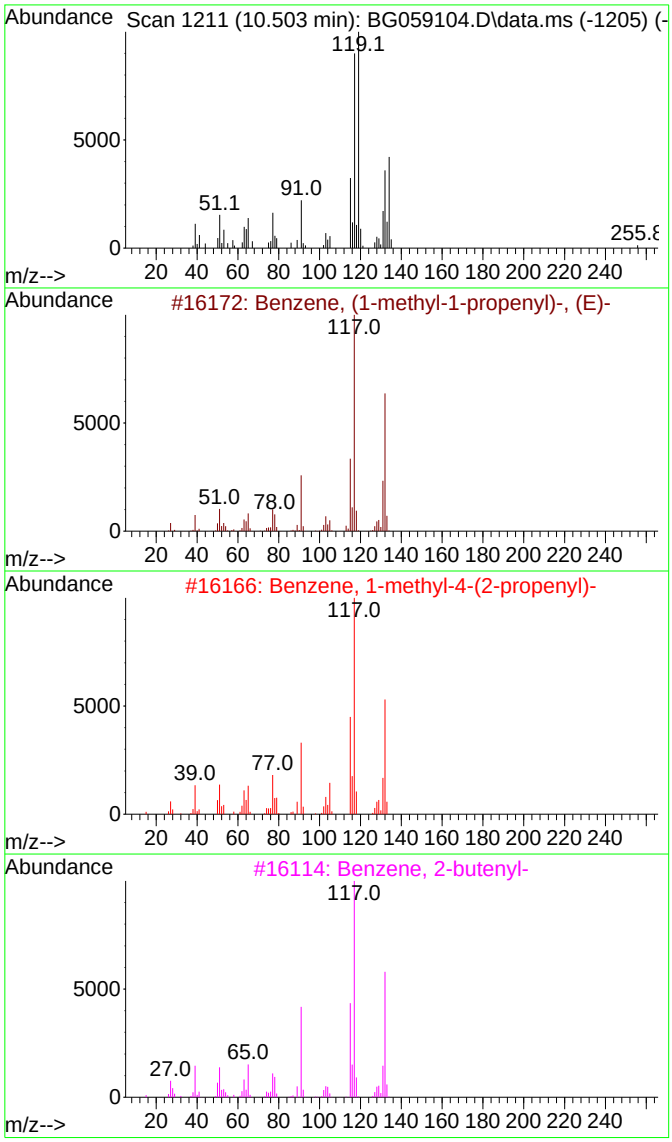
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

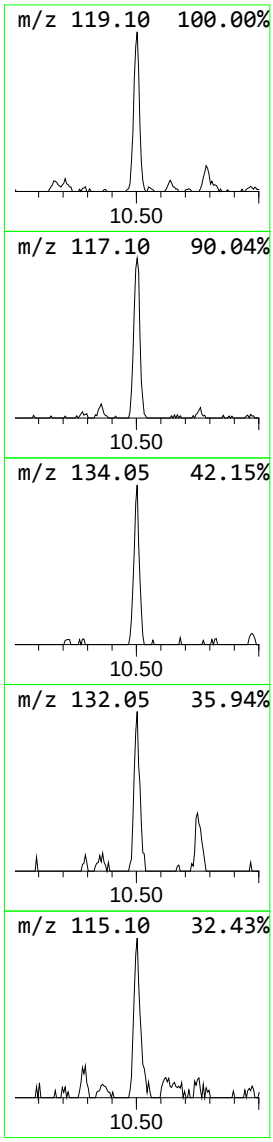
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, (1-methyl-1-propen... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.503 | 7.16 ng/ul | 144996 | Naphthalene-d8 | 11.143 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 70 |
| 2 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 70 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 64 |
| 4 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 56 |
| 5 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 55 |



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Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

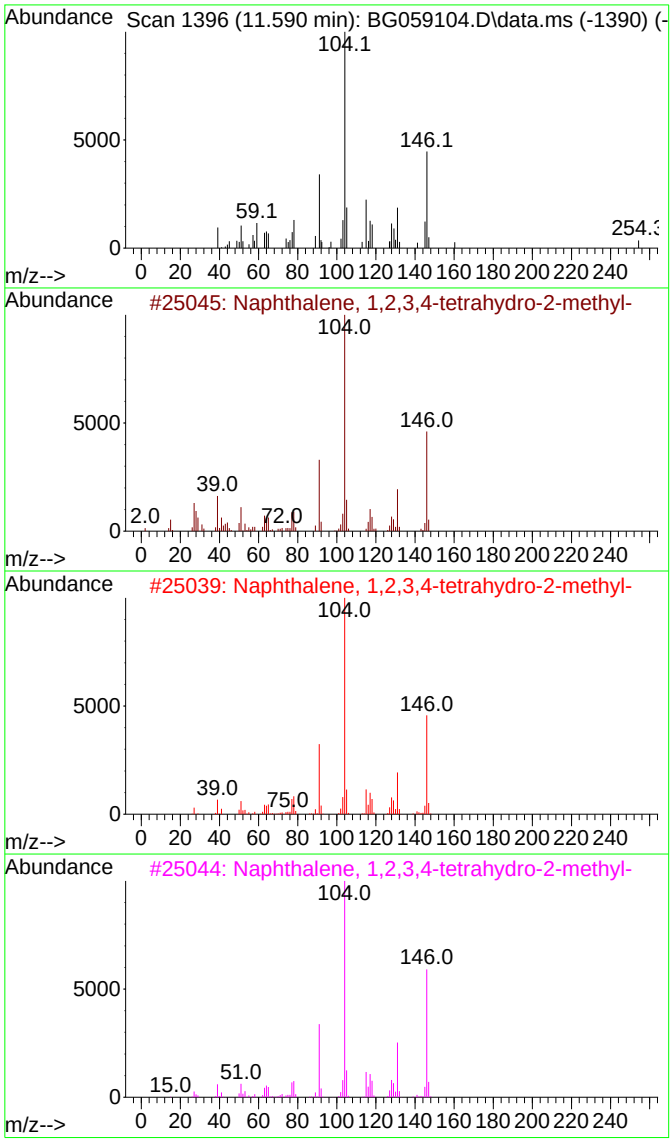
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

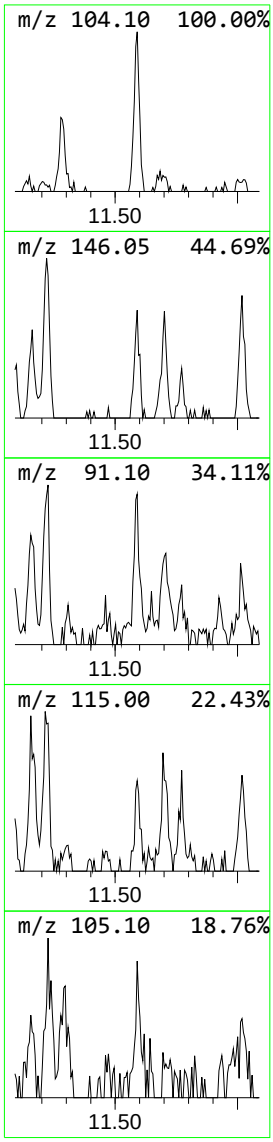
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.590 | 3.06 ng/ul | 62035 | Naphthalene-d8 | 11.143 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 81 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 81 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 72 |
| 5 | Pyrazolo[1,5-a]pyridine, 2,3-dim... | 146 | C9H10N2 | 028537-56-6 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

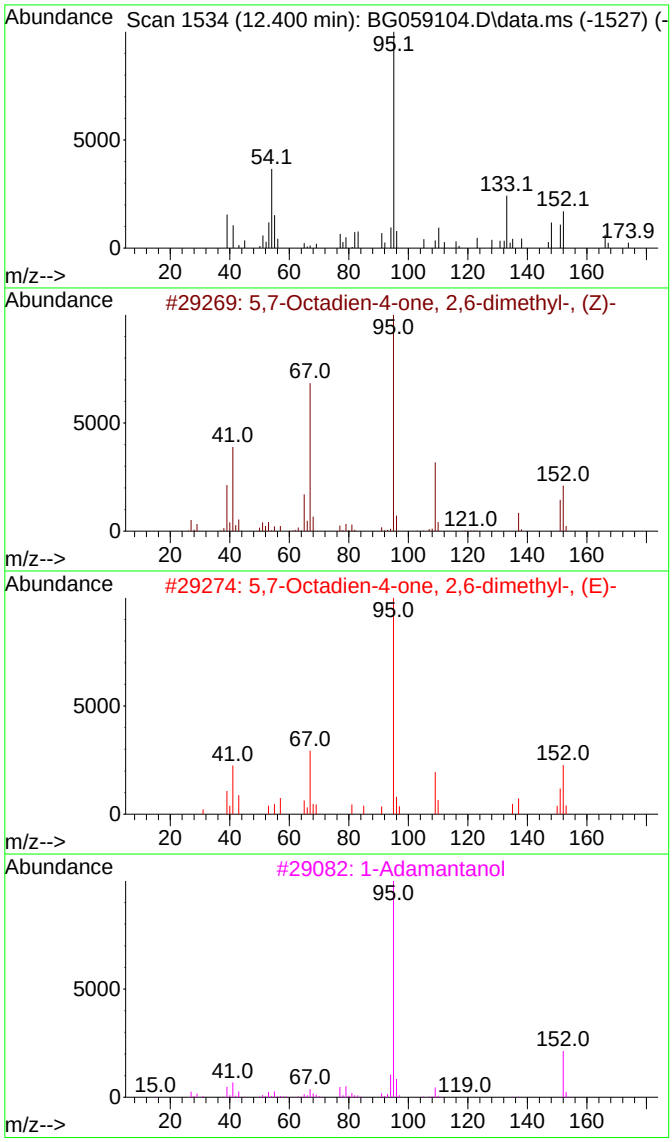
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

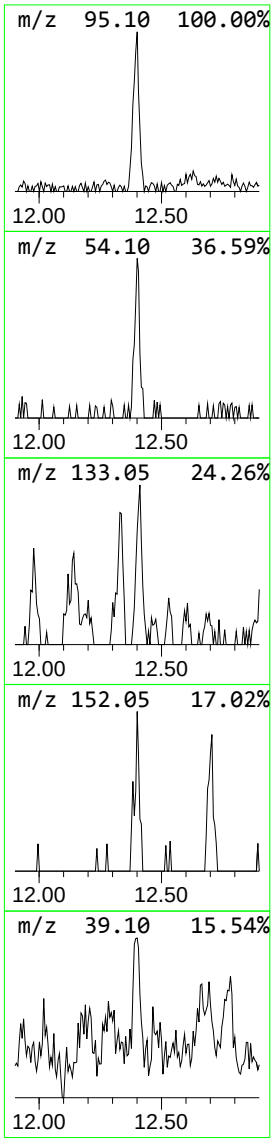
**********

Peak Number 13 unknown-01 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.400 | 3.07 ng/ul | 62068 | Naphthalene-d8 | 11.143 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,7-Octadien-4-one, 2,6-dimethyl... | 152 | C10H16O | 003588-18-9 | 49 |
| 2 | 5,7-Octadien-4-one, 2,6-dimethyl... | 152 | C10H16O | 006752-80-3 | 47 |
| 3 | 1-Adamantanol | 152 | C10H16O | 000768-95-6 | 46 |
| 4 | 1-Adamantanol | 152 | C10H16O | 000768-95-6 | 43 |
| 5 | 4-(1H-Imidazol-2-yl)piperidine | 151 | C8H13N3 | 1000459-68-4 | 38 |



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Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

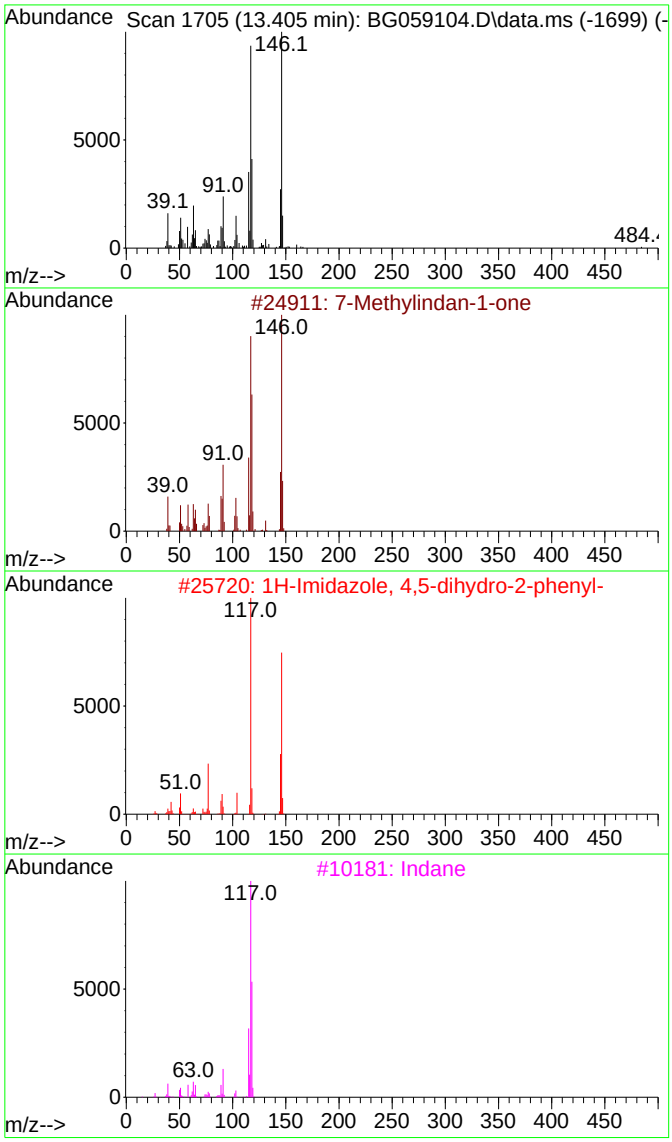
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

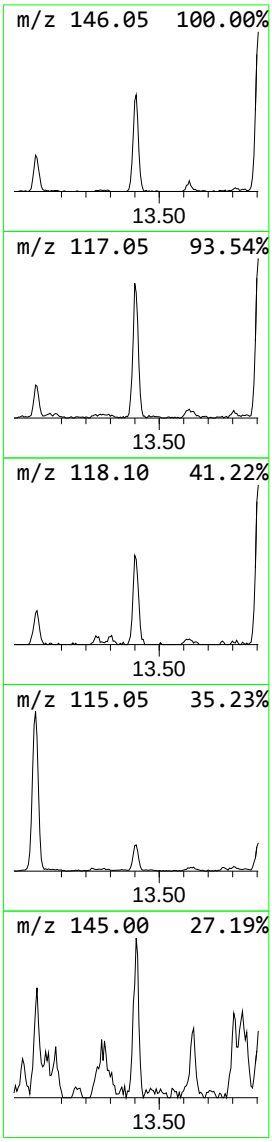
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 7-Methylindan-1-one Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.405 | 8.93 ng/ul | 243587 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methylindan-1-one | 146 | C10H10O | 039627-61-7 | 76 |
| 2 | 1H-Imidazole, 4,5-dihydro-2-phenyl- | 146 | C9H10N2 | 000936-49-2 | 70 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 46 |
| 4 | 1H-Benzimidazole-2-carboxaldehyde | 146 | C8H6N2O | 003314-30-5 | 46 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

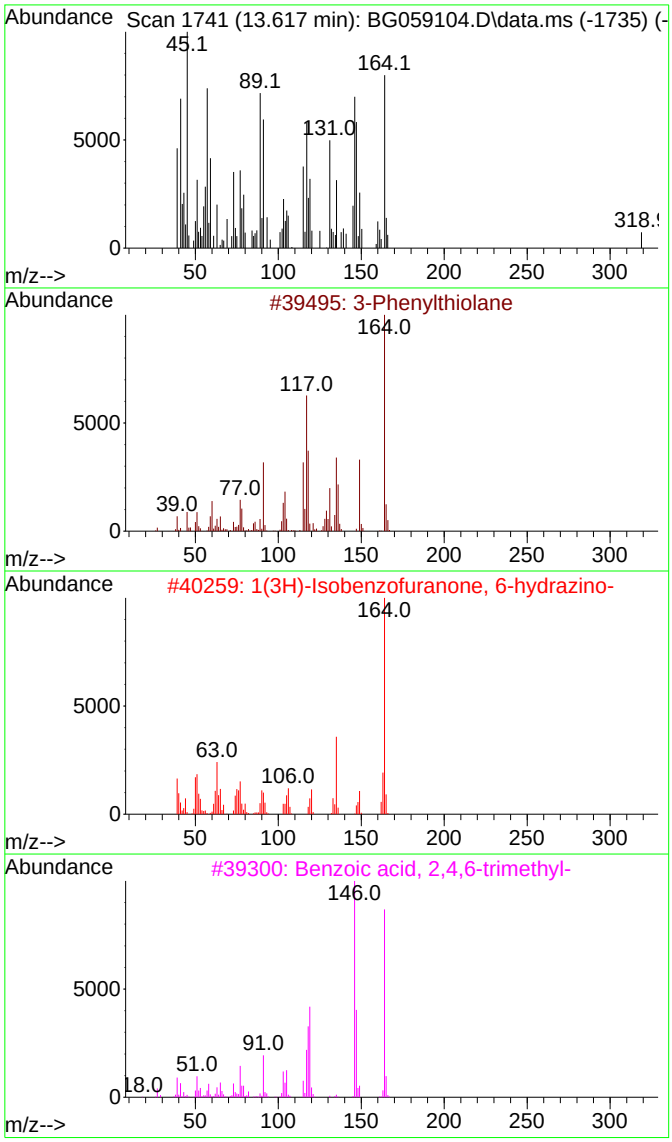
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

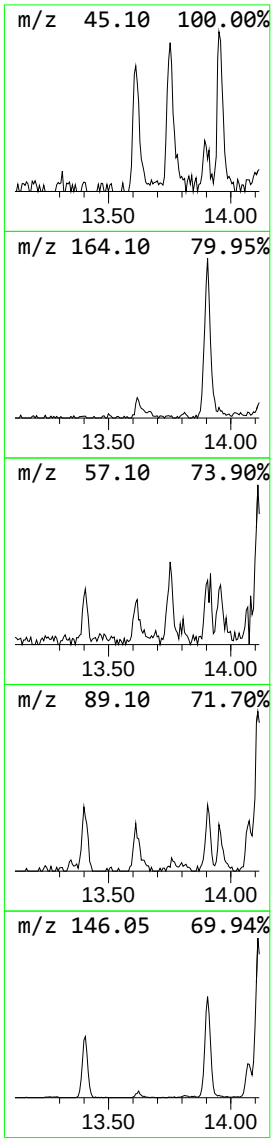
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 3-Phenylthiolane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.617 | 4.52 ng/ul | 123280 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenylthiolane | 164 | C10H12S | 016766-62-4 | 70 |
| 2 | 1(3H)-Isobenzofuranone, 6-hydraz... | 164 | C8H8N2O2 | 1000362-60-8 | 25 |
| 3 | Benzoic acid, 2,4,6-trimethyl- | 164 | C10H12O2 | 000480-63-7 | 25 |
| 4 | Allyl(4-methylphenyl) sulfide | 164 | C10H12S | 001516-28-5 | 25 |
| 5 | 2-Phenylthiolane | 164 | C10H12S | 002060-65-3 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

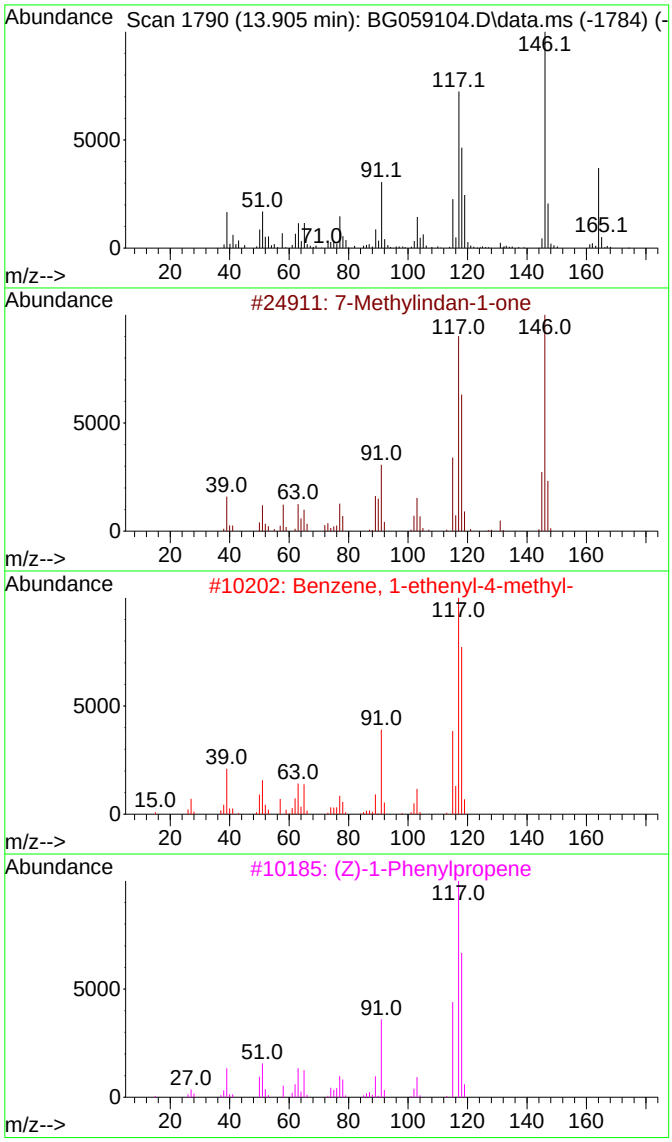
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

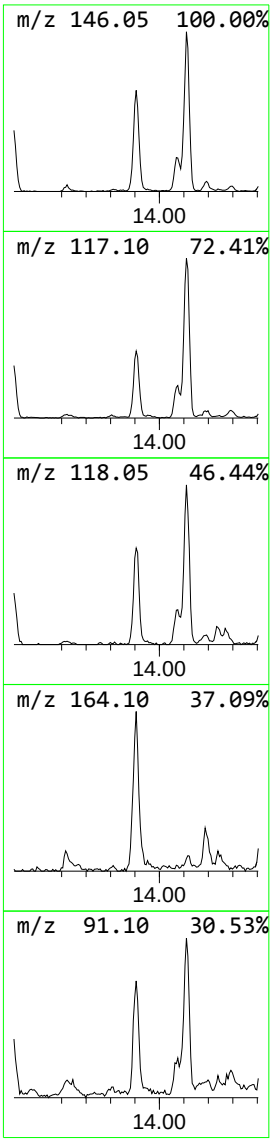
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzene, 1-ethenyl-4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.905 | 17.05 ng/ul | 464868 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Methylindan-1-one | 146 | C10H10O | 039627-61-7 | 81 |
| 2 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 55 |
| 3 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 51 |
| 4 | 7-Methylenecycloocta-1,3,5-triene | 118 | C9H10 | 002570-13-0 | 38 |
| 5 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

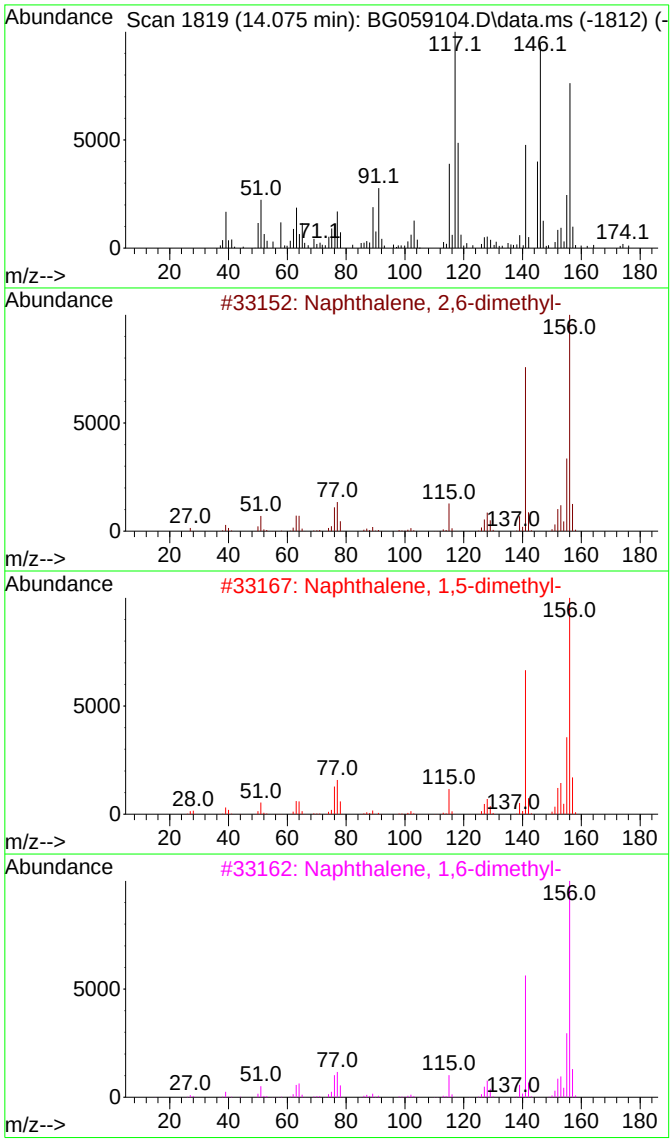
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

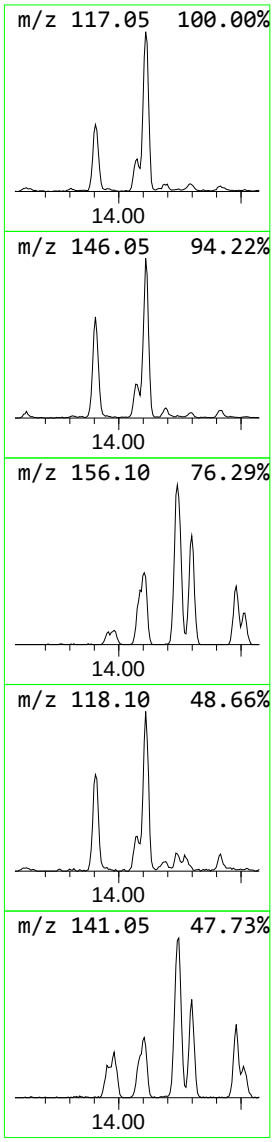
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Naphthalene, 2,6-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.075 | 6.96 ng/ul | 189875 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 92 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 92 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 92 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 92 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

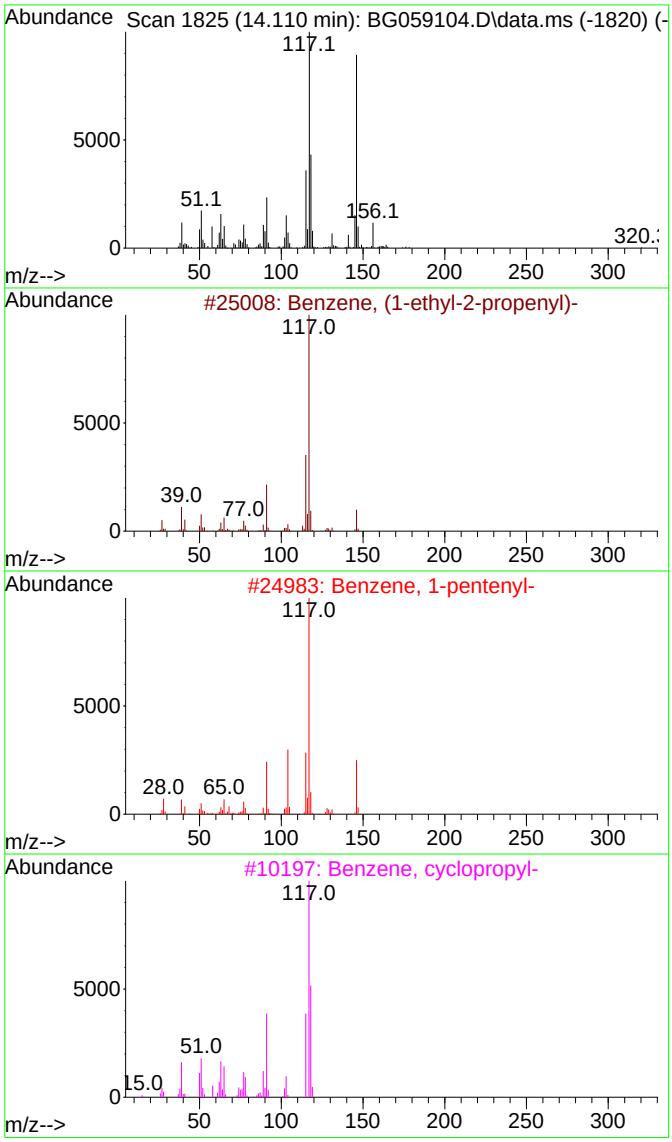
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

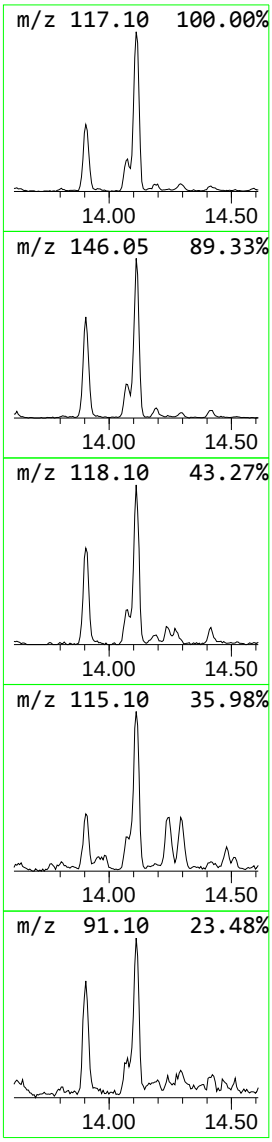
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.110 | 32.02 ng/ul | 873390 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14 | 019947-22-9 | 70 |
| 2 | Benzene, 1-pentenyl- | 146 | C11H14 | 000826-18-6 | 64 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 50 |
| 4 | 4H-1-Benzopyran-4-one | 146 | C9H6O2 | 000491-38-3 | 50 |
| 5 | 4H-1-Benzopyran-4-one | 146 | C9H6O2 | 000491-38-3 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

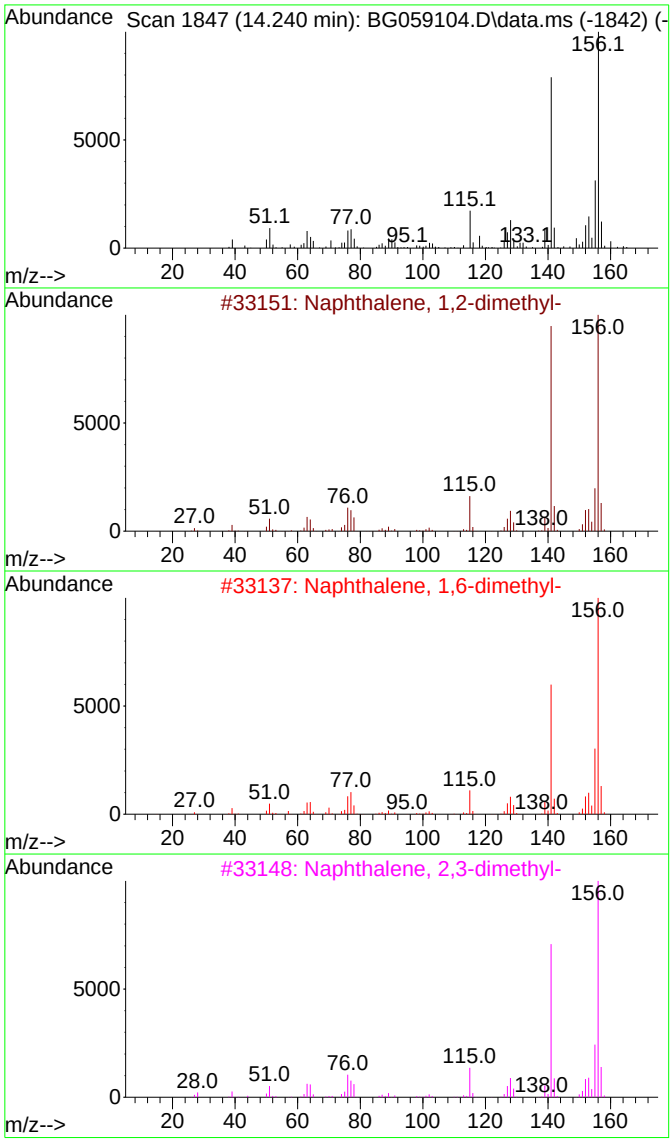
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

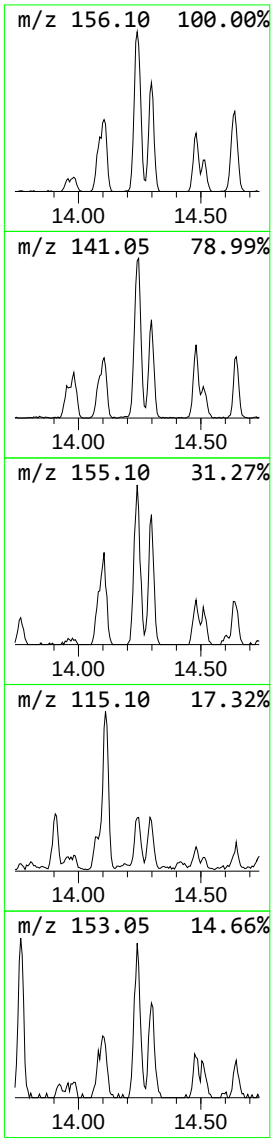
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Naphthalene, 1,2-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.240 | 17.52 ng/ul | 477716 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 96 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 95 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

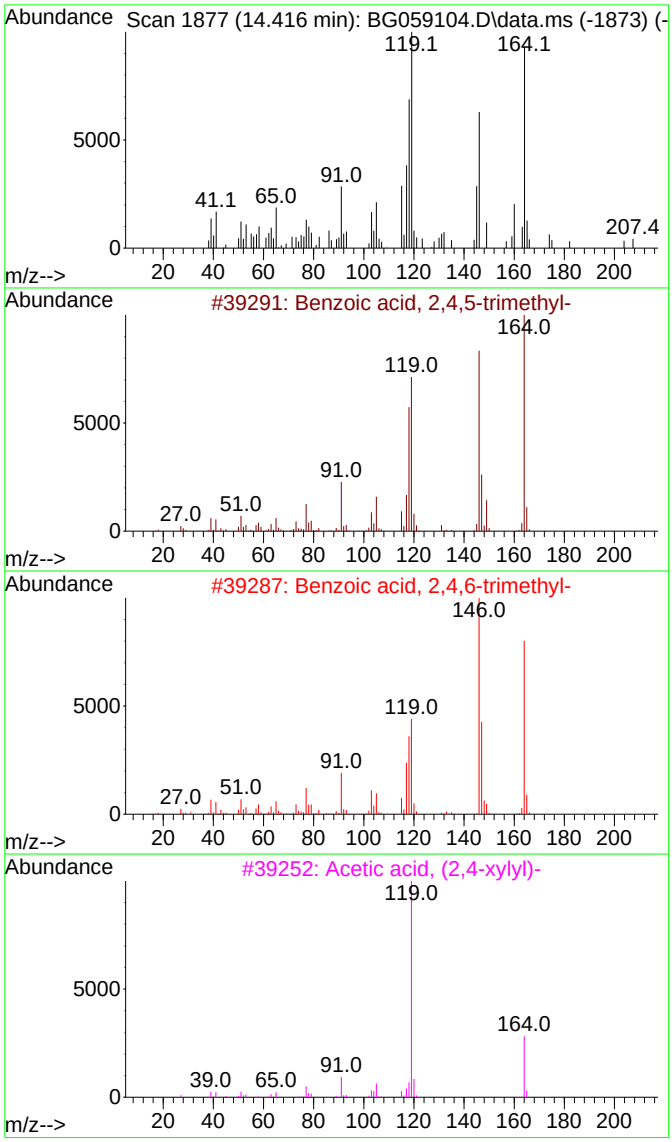
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

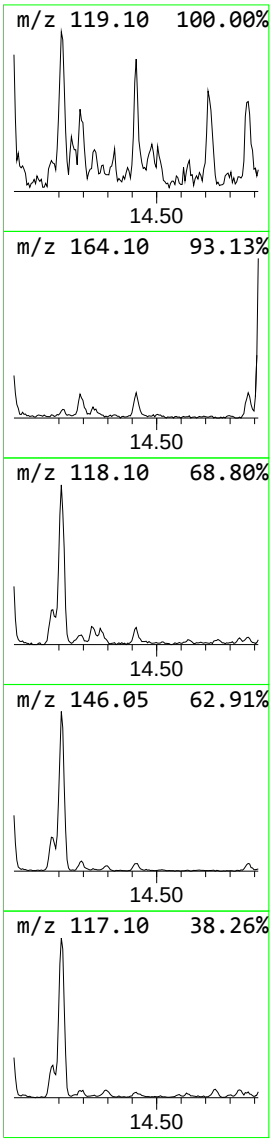
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 21 Benzoic acid, 2,4,5-trimethyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.416 | 2.91 ng/ul | 79244 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2,4,5-trimethyl- | 164 | C10H12O2 | 000528-90-5 | 76 |
| 2 | Benzoic acid, 2,4,6-trimethyl- | 164 | C10H12O2 | 000480-63-7 | 49 |
| 3 | Acetic acid, (2,4-xylyl)- | 164 | C10H12O2 | 006331-04-0 | 43 |
| 4 | Ethyl 4-methylbenzoate | 164 | C10H12O2 | 000094-08-6 | 43 |
| 5 | Ethyl m-methylbenzoate | 164 | C10H12O2 | 000120-33-2 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

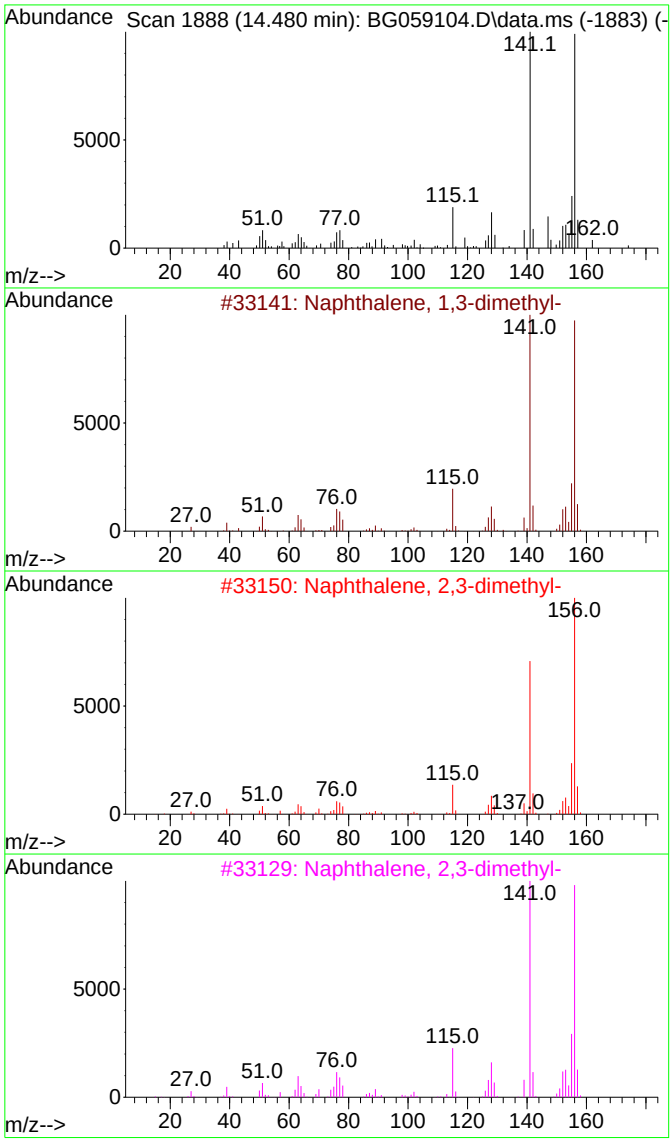
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

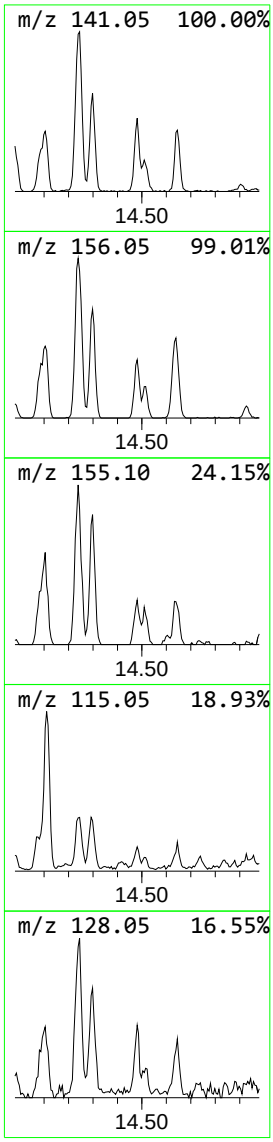
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Naphthalene, 1,3-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.480 | 5.66 ng/ul | 154375 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 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_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

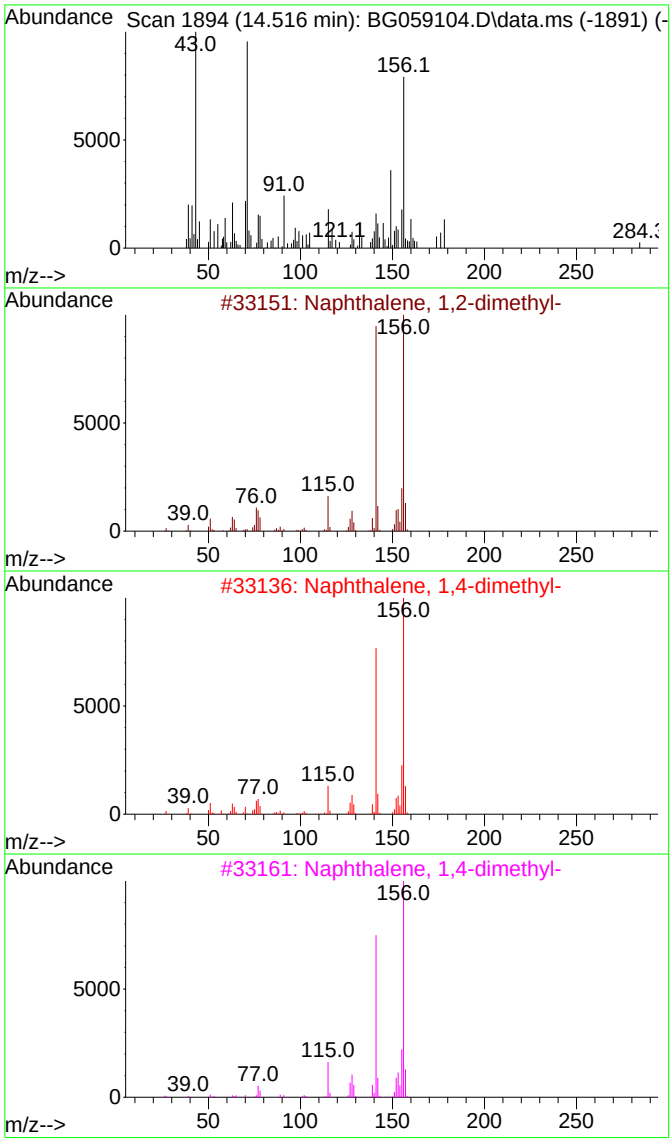
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

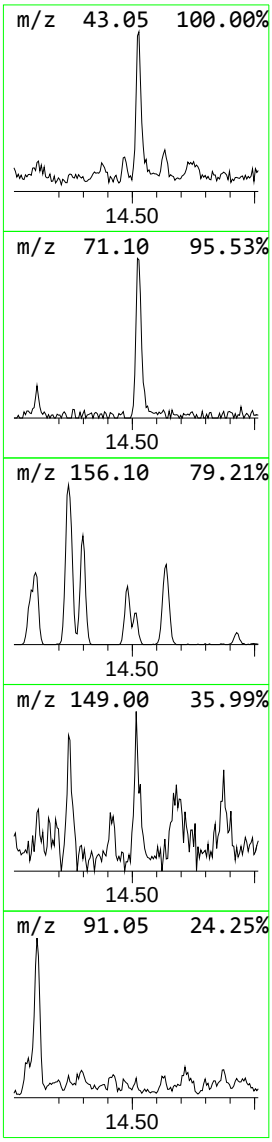
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 23 unknown-02 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.516 | 5.47 ng/ul | 149227 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 42 |
| 2 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 30 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 30 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 30 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

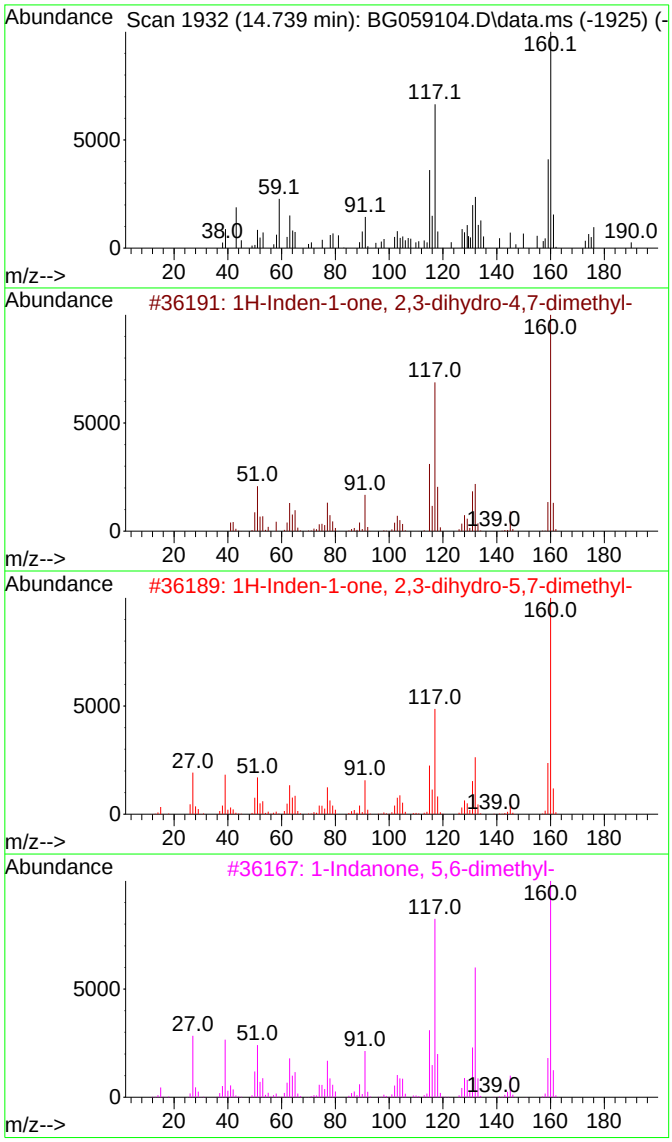
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

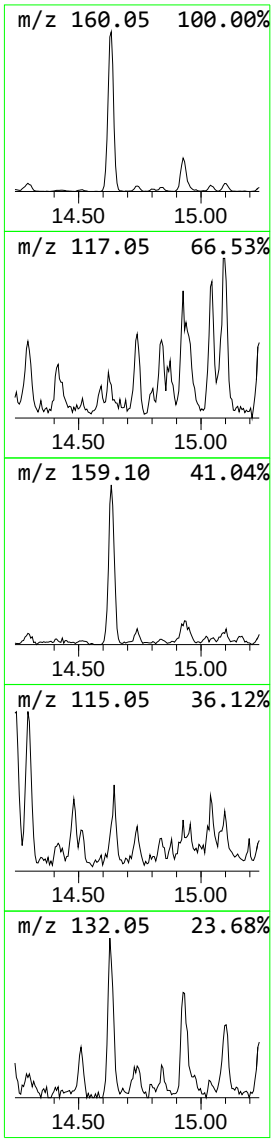
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.739 | 3.67 ng/ul | 100216 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro-4,7-... | 160 | C11H12O | 005037-60-5 | 70 |
| 2 | 1H-Inden-1-one, 2,3-dihydro-5,7-... | 160 | C11H12O | 006682-69-5 | 62 |
| 3 | 1-Indanone, 5,6-dimethyl- | 160 | C11H12O | 016440-97-4 | 49 |
| 4 | Bicyclo[4.2.1]nona-2,4,7-triene,... | 160 | C11H12O | 1000141-51-6 | 45 |
| 5 | Naphthalene, 1,2-dihydro-6-methoxy- | 160 | C11H12O | 060573-58-2 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

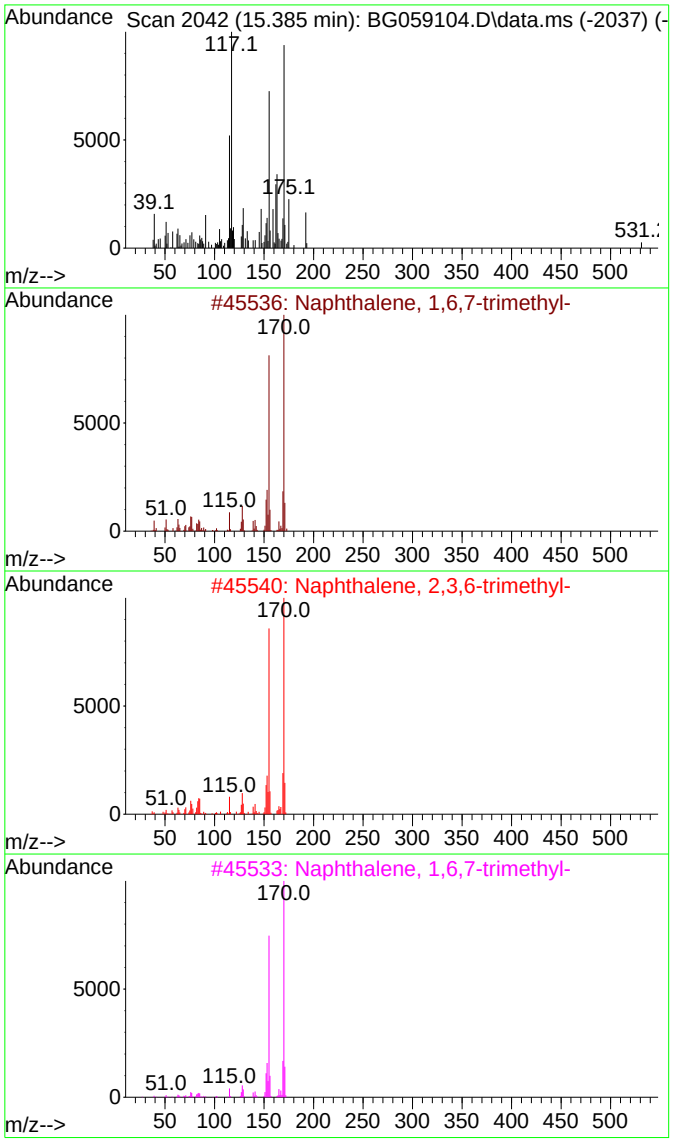
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

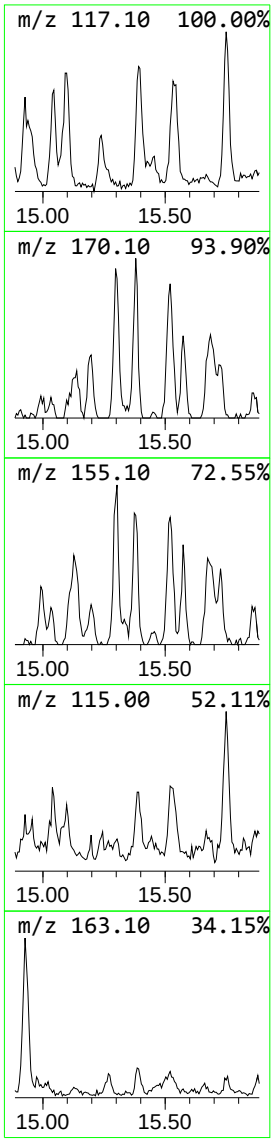
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.385 | 3.71 ng/ul | 101248 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 59 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 59 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 49 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 42 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

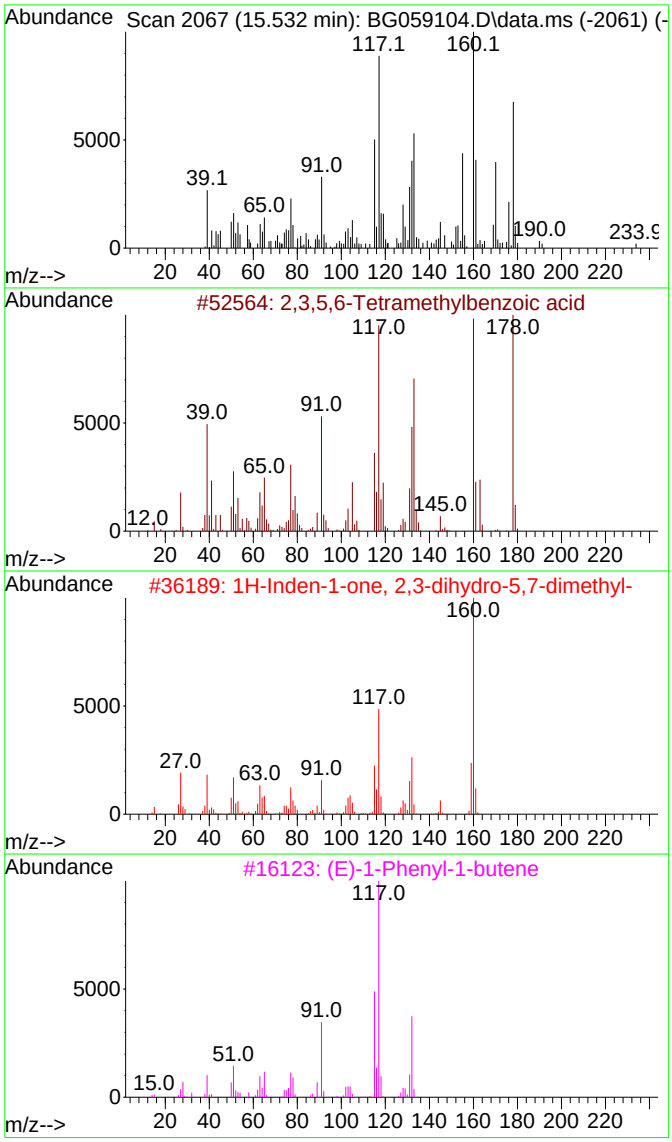
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

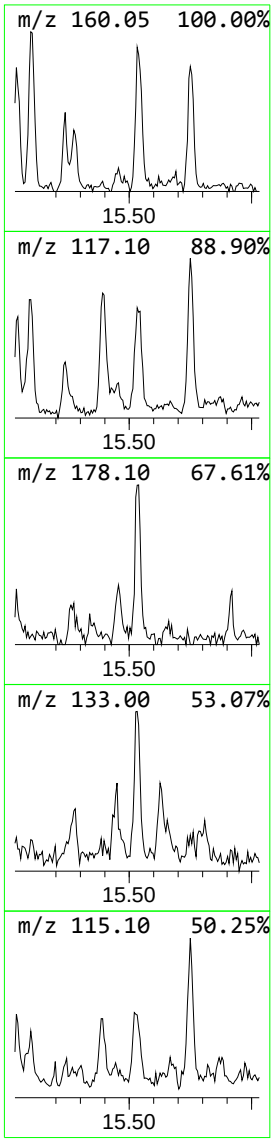
**********

Peak Number 26 unknown-03 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.532 | 7.18 ng/ul | 195744 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,5,6-Tetramethylbenzoic acid | 178 | C11H14O2 | 002604-45-7 | 46 |
| 2 | 1H-Inden-1-one, 2,3-dihydro-5,7-... | 160 | C11H12O | 006682-69-5 | 45 |
| 3 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 35 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 35 |
| 5 | Benzene, 1-ethenyl-4-(2-methylpr... | 160 | C12H16 | 063444-56-4 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

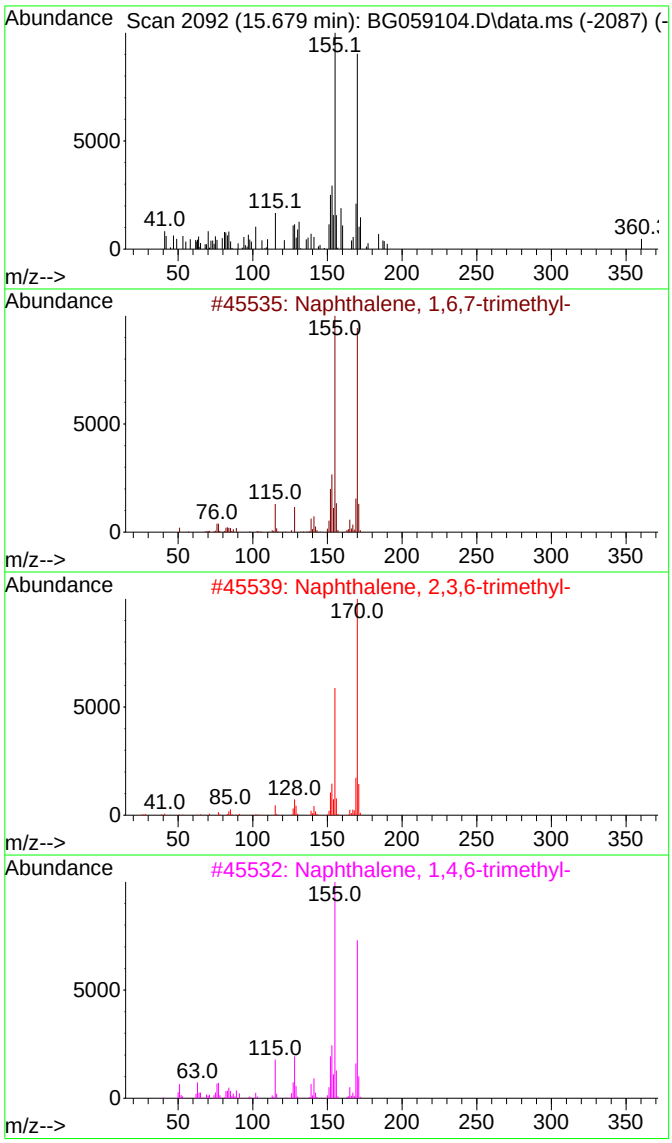
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

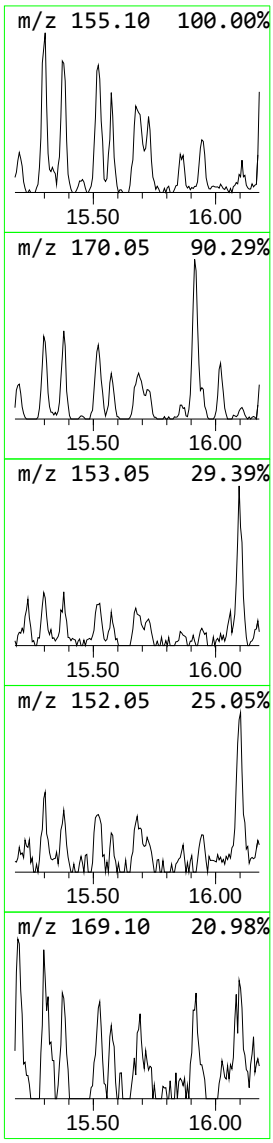
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 Naphthalene, 2,3,6-trimethyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.679 | 2.85 ng/ul | 77732 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |
| 4 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 90 |
| 5 | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14 | 1000294-91-1 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

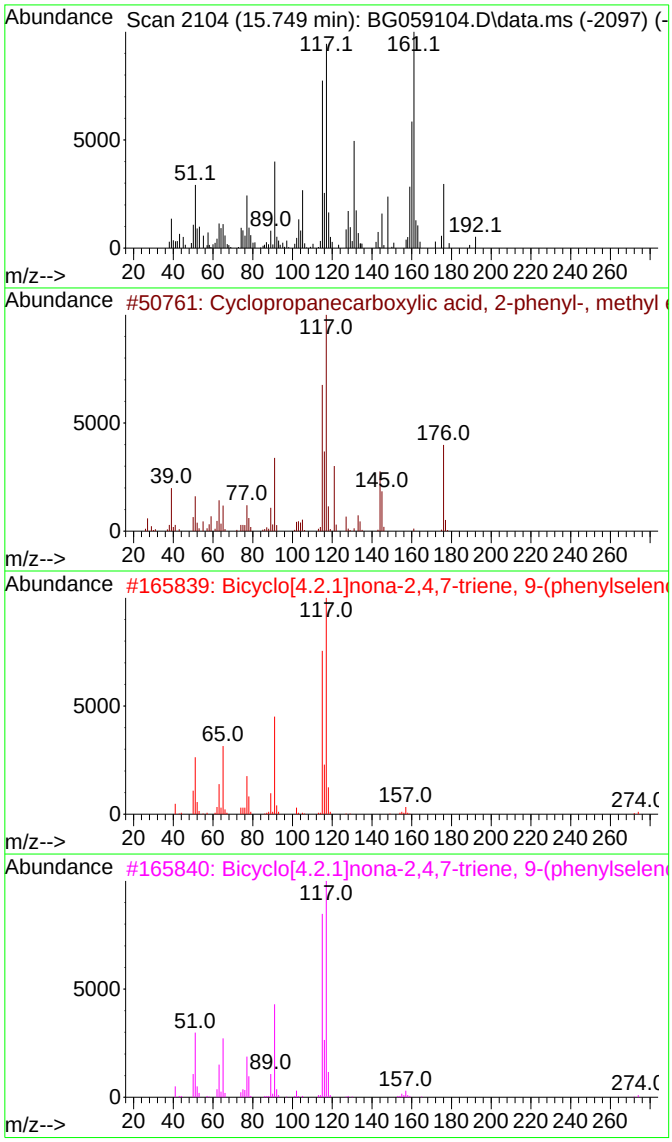
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

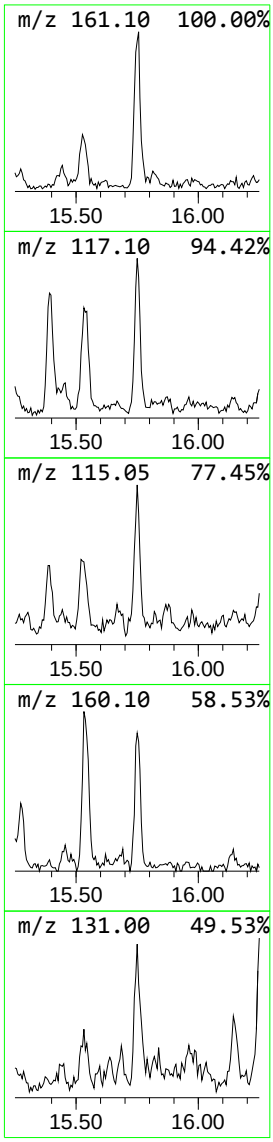
**********

Peak Number 28 unknown-04 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.749 | 6.80 ng/ul | 185410 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropanecarboxylic acid, 2-p... | 176 | C11H12O2 | 020030-70-0 | 42 |
| 2 | Bicyclo[4.2.1]nona-2,4,7-triene,... | 274 | C15H14Se | 072065-43-1 | 41 |
| 3 | Bicyclo[4.2.1]nona-2,4,7-triene,... | 274 | C15H14Se | 072065-50-0 | 41 |
| 4 | Cyclopropanecarboxylic acid, 2-p... | 176 | C11H12O2 | 020030-70-0 | 38 |
| 5 | (5-Methylenebicyclo[2.2.1]hept-2... | 176 | C11H12O2 | 1000211-09-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

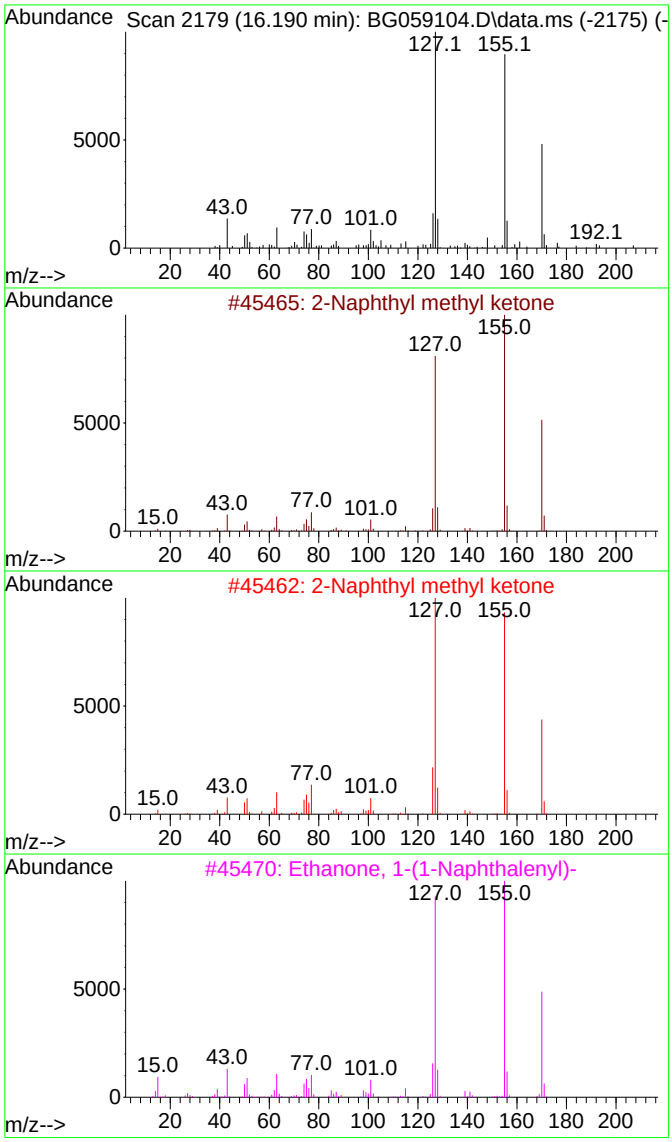
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

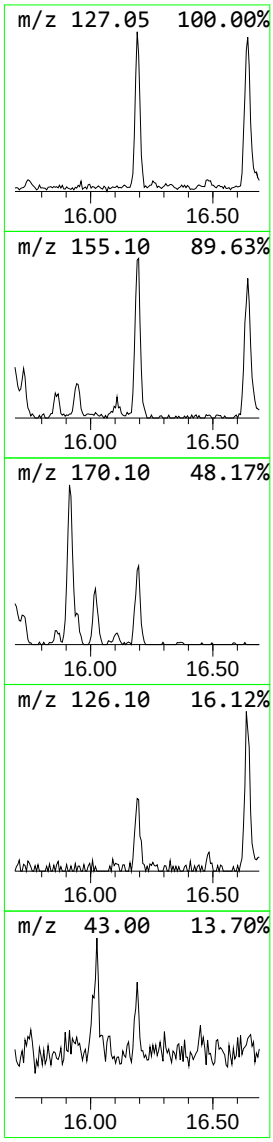
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 2-Naphthyl methyl ketone Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.190 | 3.61 ng/ul | 98532 | Acenaphthene-d10 | 14.927 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthyl methyl ketone | 170 | C12H10O | 000093-08-3 | 94 |
| 2 | 2-Naphthyl methyl ketone | 170 | C12H10O | 000093-08-3 | 94 |
| 3 | Ethanone, 1-(1-Naphthalenyl)- | 170 | C12H10O | 000941-98-0 | 91 |
| 4 | Ethanone, 1-(1-Naphthalenyl)- | 170 | C12H10O | 000941-98-0 | 91 |
| 5 | Ethanone, 1-(1-Naphthalenyl)- | 170 | C12H10O | 000941-98-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

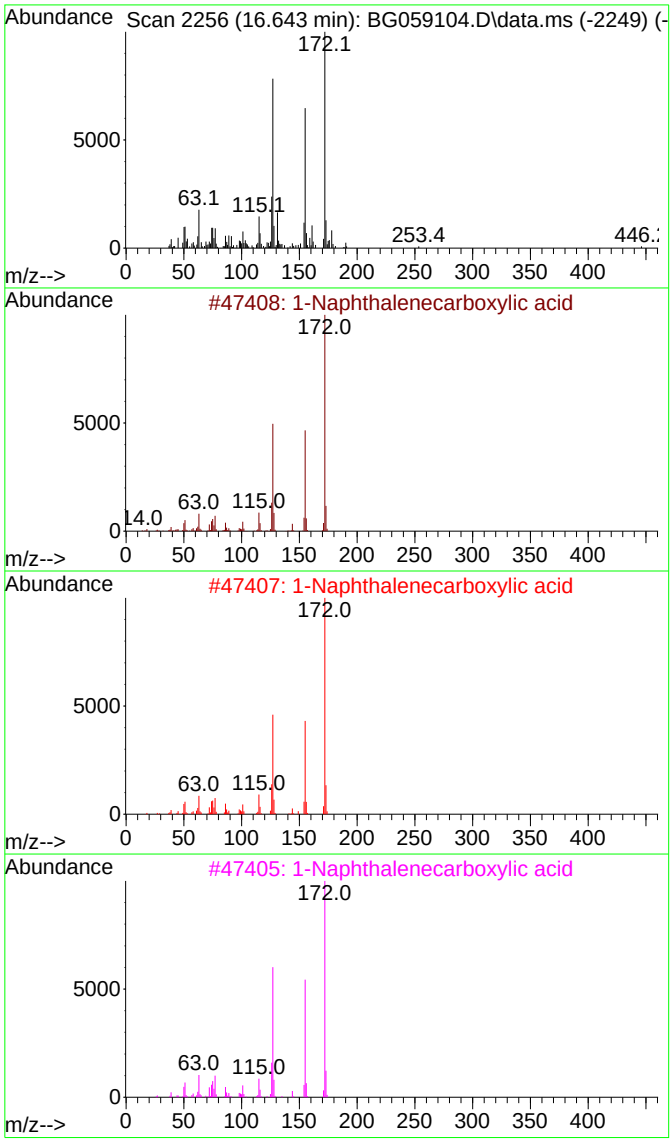
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

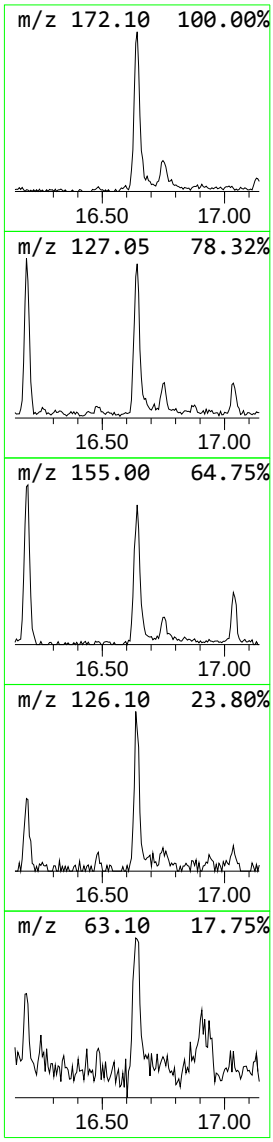
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 32 1-Naphthalenecarboxylic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.643 | 6.75 ng/ul | 227788 | Phenanthrene-d10 | 17.677 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 94 |
| 2 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 93 |
| 3 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 91 |
| 4 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 91 |
| 5 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

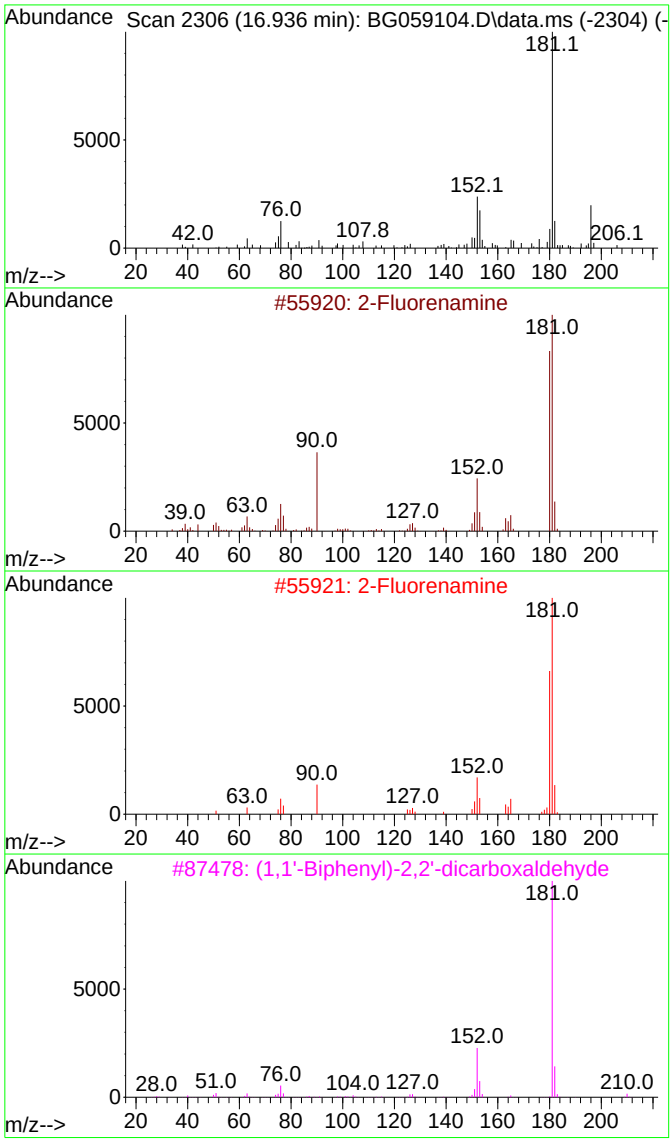
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

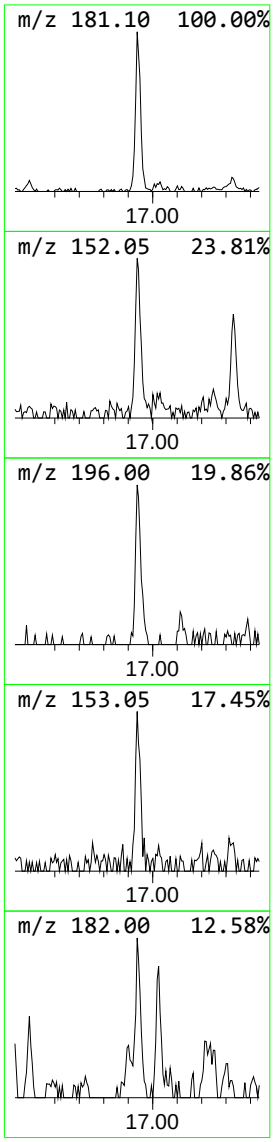
**********

Peak Number 34 2-Fluorenamine Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.936 | 3.17 ng/ul | 107095 | Phenanthrene-d10 | 17.677 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 74 |
| 2 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 59 |
| 3 | (1,1'-Biphenyl)-2,2'-dicarboxald... | 210 | C14H10O2 | 001210-05-5 | 59 |
| 4 | Fluorene, 9-hydroxy-9-(trichloro... | 298 | C14H9Cl3O | 1000152-14-8 | 59 |
| 5 | Thiophene, 2,4-bis(1,1-dimethyle... | 196 | C12H20S | 033369-81-2 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

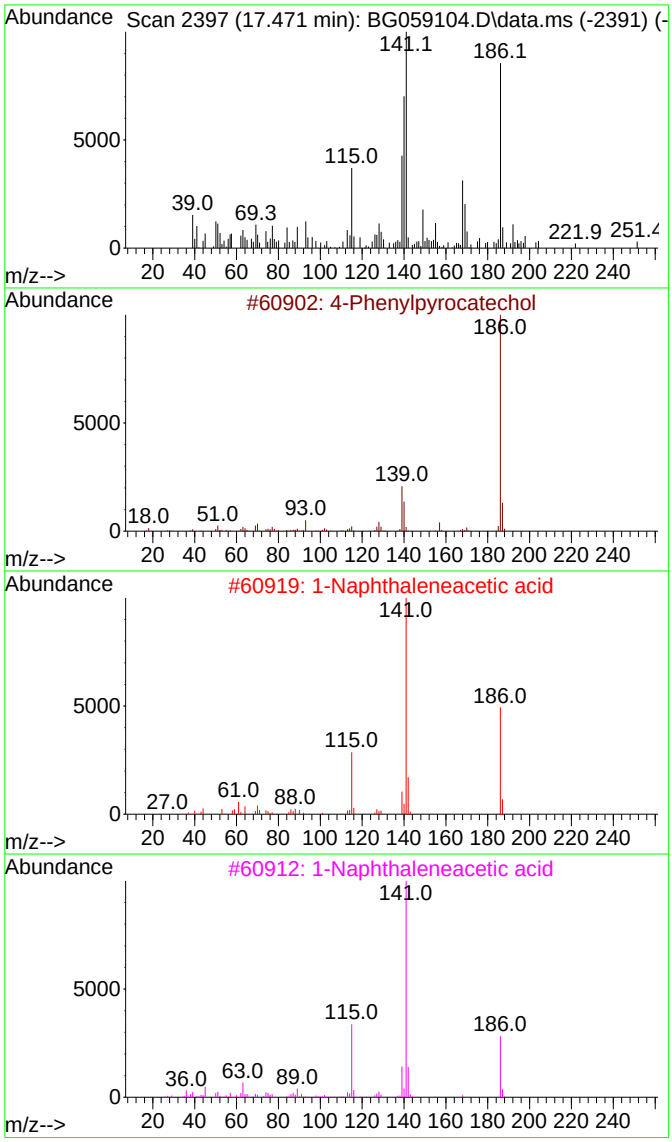
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

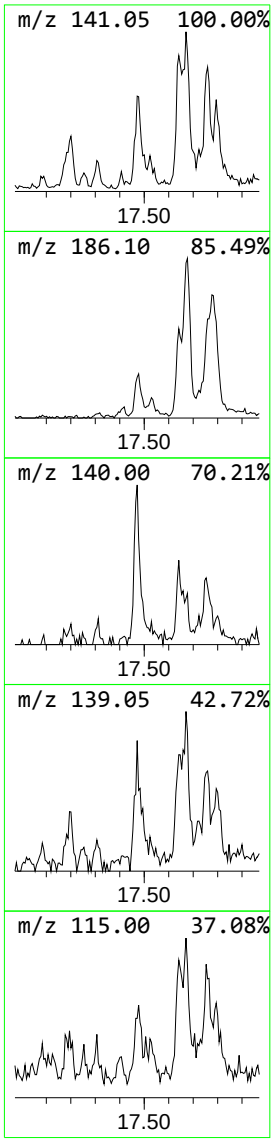
**********

Peak Number 36 unknown-05 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.471 | 3.51 ng/ul | 118536 | Phenanthrene-d10 | 17.677 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Phenylpyrocatechol | 186 | C12H10O2 | 000092-05-7 | 43 |
| 2 | 1-Naphthaleneacetic acid | 186 | C12H10O2 | 000086-87-3 | 43 |
| 3 | 1-Naphthaleneacetic acid | 186 | C12H10O2 | 000086-87-3 | 38 |
| 4 | 3-Methylquinoline-4-carboxamide | 186 | C11H10N2O | 1000250-73-1 | 38 |
| 5 | 4-Chloro-1-methyl-1H-pyrazole-3-... | 141 | C5H4ClN3 | 175204-86-1 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

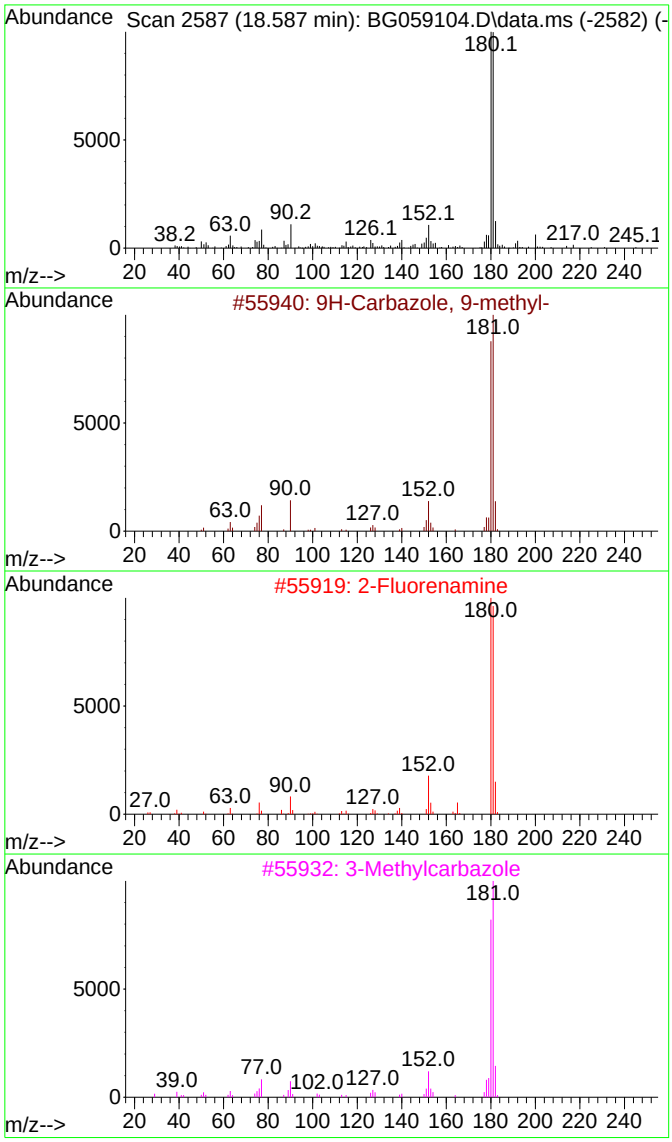
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

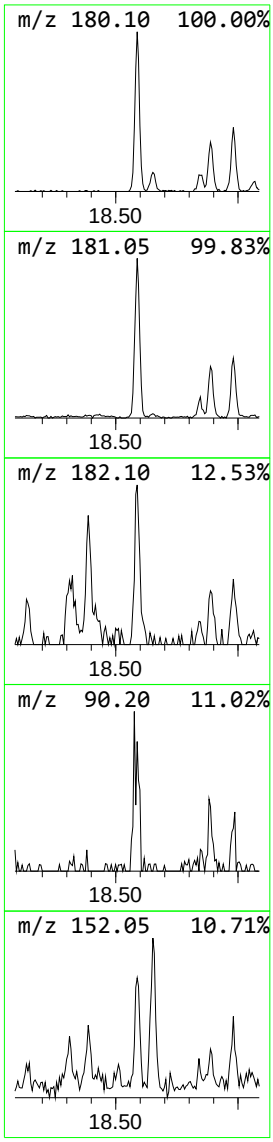
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 38 9H-Carbazole, 9-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.587 | 5.93 ng/ul | 199962 | Phenanthrene-d10 | 17.677 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 93 |
| 2 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 87 |
| 3 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 78 |
| 4 | 4aH-carbazole, 6-methyl- | 181 | C13H11N | 1000404-86-1 | 76 |
| 5 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION

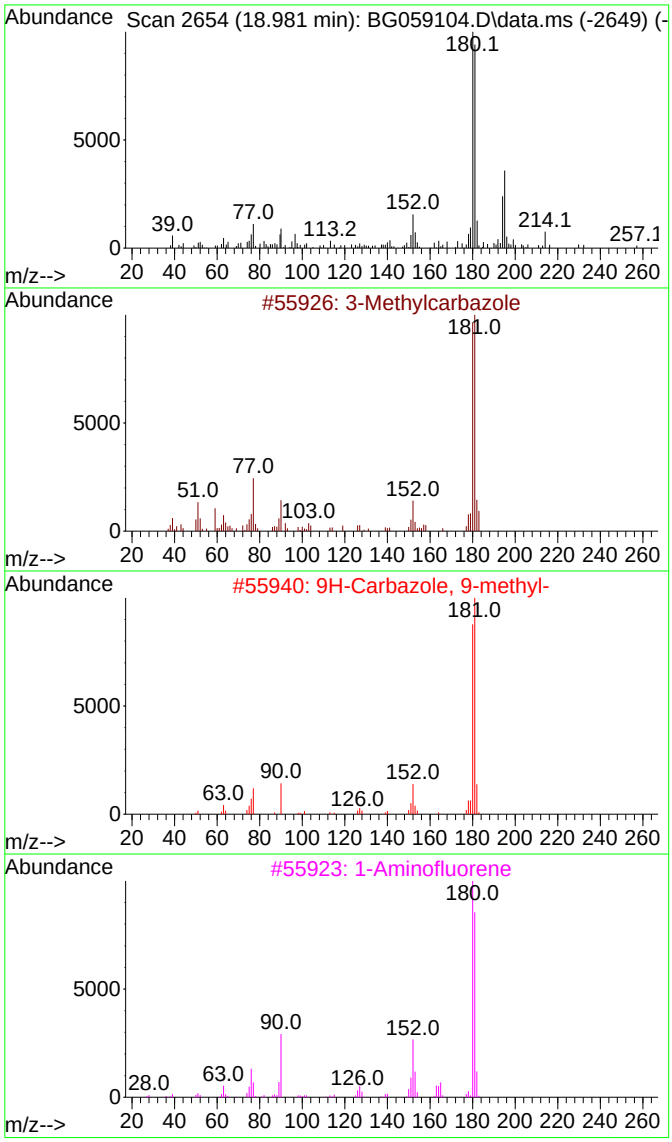
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

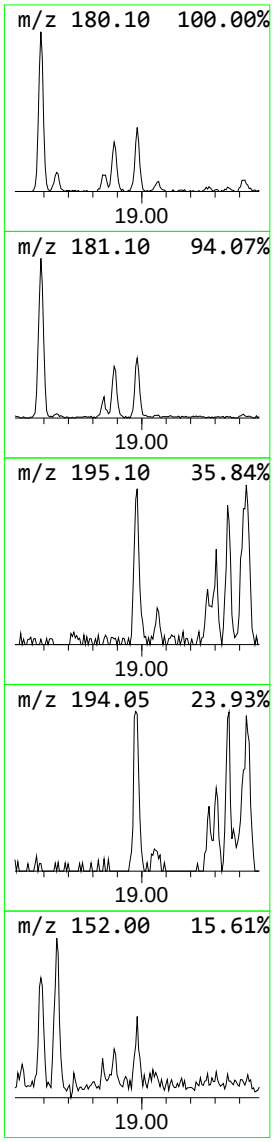
**********

Peak Number 39 3-Methylcarbazole Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.981 | 2.66 ng/ul | 89752 | Phenanthrene-d10 | 17.677 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 89 |
| 2 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 89 |
| 3 | 1-Aminofluorene | 181 | C13H11N | 006344-63-4 | 70 |
| 4 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 70 |
| 5 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059104.D
Acq On : 20 Sep 2023 11:21
Operator : MA/JU
Sample : 04378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BBJS5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.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 |
| Tetrachloroethy... | 4.939 | 2184.9 | ng/ul | 24929100 | 1 | 8.299 | 228196 | 20.0 |
| Benzene, 1,3-di... | 6.255 | 20.2 | ng/ul | 230858 | 1 | 8.299 | 228196 | 20.0 |
| Benzene, (1-met... | 6.737 | 2.9 | ng/ul | 33156 | 1 | 8.299 | 228196 | 20.0 |
| Mesitylene | 8.388 | 34.5 | ng/ul | 393659 | 1 | 8.299 | 228196 | 20.0 |
| Benzene, 4-ethy... | 9.380 | 3.6 | ng/ul | 40713 | 1 | 8.299 | 228196 | 20.0 |
| Triethyl phosphate | 9.739 | 70.0 | ng/ul | 1416550 | 2 | 11.143 | 404818 | 20.0 |
| Benzene, 1,2,3,... | 9.974 | 2.8 | ng/ul | 56656 | 2 | 11.143 | 404818 | 20.0 |
| Benzene, (1-met... | 10.503 | 7.2 | ng/ul | 144996 | 2 | 11.143 | 404818 | 20.0 |
| Naphthalene, 1,... | 11.590 | 3.1 | ng/ul | 62035 | 2 | 11.143 | 404818 | 20.0 |
| unknown-01 | 12.400 | 3.1 | ng/ul | 62068 | 2 | 11.143 | 404818 | 20.0 |
| 7-Methylindan-1... | 13.405 | 8.9 | ng/ul | 243587 | 3 | 14.927 | 545460 | 20.0 |
| 3-Phenylthiolane | 13.617 | 4.5 | ng/ul | 123280 | 3 | 14.927 | 545460 | 20.0 |
| Benzene, 1-ethe... | 13.905 | 17.1 | ng/ul | 464868 | 3 | 14.927 | 545460 | 20.0 |
| Naphthalene, 2,... | 14.075 | 7.0 | ng/ul | 189875 | 3 | 14.927 | 545460 | 20.0 |
| Benzene, (1-eth... | 14.110 | 32.0 | ng/ul | 873390 | 3 | 14.927 | 545460 | 20.0 |
| Naphthalene, 1,... | 14.240 | 17.5 | ng/ul | 477716 | 3 | 14.927 | 545460 | 20.0 |
| Benzoic acid, 2... | 14.416 | 2.9 | ng/ul | 79244 | 3 | 14.927 | 545460 | 20.0 |
| Naphthalene, 1,... | 14.480 | 5.7 | ng/ul | 154375 | 3 | 14.927 | 545460 | 20.0 |
| unknown-02 | 14.516 | 5.5 | ng/ul | 149227 | 3 | 14.927 | 545460 | 20.0 |
| 1H-Inden-1-one,... | 14.739 | 3.7 | ng/ul | 100216 | 3 | 14.927 | 545460 | 20.0 |
| Naphthalene, 1,... | 15.385 | 3.7 | ng/ul | 101248 | 3 | 14.927 | 545460 | 20.0 |
| unknown-03 | 15.532 | 7.2 | ng/ul | 195744 | 3 | 14.927 | 545460 | 20.0 |
| Naphthalene, 2,... | 15.679 | 2.9 | ng/ul | 77732 | 3 | 14.927 | 545460 | 20.0 |
| unknown-04 | 15.749 | 6.8 | ng/ul | 185410 | 3 | 14.927 | 545460 | 20.0 |
| 2-Naphthyl meth... | 16.190 | 3.6 | ng/ul | 98532 | 3 | 14.927 | 545460 | 20.0 |
| 1-Naphthaleneca... | 16.643 | 6.8 | ng/ul | 227788 | 4 | 17.677 | 674875 | 20.0 |
| 2-Fluorenamine | 16.936 | 3.2 | ng/ul | 107095 | 4 | 17.677 | 674875 | 20.0 |
| unknown-05 | 17.471 | 3.5 | ng/ul | 118536 | 4 | 17.677 | 674875 | 20.0 |
| 9H-Carbazole, 9... | 18.587 | 5.9 | ng/ul | 199962 | 4 | 17.677 | 674875 | 20.0 |
| 3-Methylcarbazole | 18.981 | 2.7 | ng/ul | 89752 | 4 | 17.677 | 674875 | 20.0 |