LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

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-BM011325.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BM049456.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.510 | 85 | 89 | 109 | rVB | 472325 | 723767 | 3.62% | 0.575% |
| 2 | 6.710 | 626 | 633 | 647 | rBV | 536817 | 885919 | 4.43% | 0.704% |
| 3 | 6.863 | 653 | 659 | 677 | rVB | 486305 | 742396 | 3.71% | 0.590% |
| 4 | 7.051 | 685 | 691 | 703 | rBV | 547487 | 869624 | 4.35% | 0.691% |
| 5 | 7.510 | 762 | 769 | 779 | rBV | 645378 | 1049032 | 5.24% | 0.833% |
| 6 | 8.228 | 884 | 891 | 901 | rBV | 603934 | 988926 | 4.94% | 0.786% |
| 7 | 8.657 | 954 | 964 | 974 | rBV | 491329 | 819750 | 4.10% | 0.651% |
| 8 | 9.369 | 1078 | 1085 | 1095 | rBV | 365812 | 618136 | 3.09% | 0.491% |
| 9 | 9.910 | 1169 | 1177 | 1188 | rBV | 563610 | 1002197 | 5.01% | 0.796% |
| 10 | 10.275 | 1230 | 1239 | 1245 | rBV | 838908 | 1352476 | 6.76% | 1.074% |
| 11 | 10.422 | 1256 | 1264 | 1281 | rBV | 473925 | 951131 | 4.75% | 0.756% |
| 12 | 12.169 | 1552 | 1561 | 1568 | rBV | 91247 | 165593 | 0.83% | 0.132% |
| 13 | 12.980 | 1693 | 1699 | 1709 | rBV2 | 64648 | 123140 | 0.62% | 0.098% |
| 14 | 13.310 | 1748 | 1755 | 1765 | rBV2 | 49428 | 111304 | 0.56% | 0.088% |
| 15 | 13.468 | 1775 | 1782 | 1788 | rBV | 85043 | 159061 | 0.79% | 0.126% |
| 16 | 13.574 | 1795 | 1800 | 1810 | rVB | 1066145 | 1422125 | 7.11% | 1.130% |
| 17 | 13.839 | 1838 | 1845 | 1858 | rBV | 1220158 | 1921165 | 9.60% | 1.526% |
| 18 | 14.151 | 1890 | 1898 | 1904 | rVV | 1204220 | 1783975 | 8.91% | 1.417% |
| 19 | 14.215 | 1904 | 1909 | 1919 | rVV | 1927401 | 2656761 | 13.27% | 2.111% |
| 20 | 14.386 | 1929 | 1938 | 1947 | rBV2 | 228072 | 498957 | 2.49% | 0.396% |
| 21 | 14.468 | 1947 | 1952 | 1958 | rVV | 103276 | 188618 | 0.94% | 0.150% |
| 22 | 14.557 | 1959 | 1967 | 1976 | rVV | 843954 | 1266894 | 6.33% | 1.006% |
| 23 | 15.151 | 2062 | 2068 | 2073 | rVV | 1592261 | 2258289 | 11.28% | 1.794% |
| 24 | 15.210 | 2073 | 2078 | 2083 | rVV | 1864525 | 2437689 | 12.18% | 1.937% |
| 25 | 15.286 | 2083 | 2091 | 2096 | rVV2 | 324590 | 546303 | 2.73% | 0.434% |
| 26 | 15.333 | 2096 | 2099 | 2102 | rVV | 146307 | 189327 | 0.95% | 0.150% |
| 27 | 15.374 | 2102 | 2106 | 2111 | rVB | 176597 | 248346 | 1.24% | 0.197% |
| 28 | 15.457 | 2117 | 2120 | 2124 | rVB2 | 95626 | 125289 | 0.63% | 0.100% |
| 29 | 15.509 | 2124 | 2129 | 2139 | rVB2 | 323708 | 706783 | 3.53% | 0.561% |
| 30 | 15.651 | 2147 | 2153 | 2161 | rVB | 312046 | 627466 | 3.14% | 0.498% |
| 31 | 15.739 | 2161 | 2168 | 2178 | rVB3 | 72516 | 148714 | 0.74% | 0.118% |
| 32 | 16.174 | 2237 | 2242 | 2243 | rBV2 | 71700 | 86577 | 0.43% | 0.069% |
| 33 | 16.215 | 2244 | 2249 | 2254 | rVV2 | 248833 | 448730 | 2.24% | 0.356% |
| 34 | 16.262 | 2254 | 2257 | 2263 | rVV2 | 133070 | 203695 | 1.02% | 0.162% |
| 35 | 16.362 | 2269 | 2274 | 2280 | rVB2 | 120728 | 204104 | 1.02% | 0.162% |
| 36 | 16.451 | 2285 | 2289 | 2292 | rVV | 107550 | 174613 | 0.87% | 0.139% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

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-BM011325.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.486 | 2292 | 2295 | 2299 | rVV2 | 127145 | 205496 | 1.03% | 0.163% |
| 38 | 16.562 | 2306 | 2308 | 2316 | rVB4 | 38258 | 83871 | 0.42% | 0.067% |
| 39 | 16.656 | 2317 | 2324 | 2329 | rBV3 | 157582 | 383088 | 1.91% | 0.304% |
| 40 | 16.721 | 2329 | 2335 | 2346 | rVB | 631056 | 1063043 | 5.31% | 0.845% |
| 41 | 16.909 | 2361 | 2367 | 2369 | rBV | 1431201 | 2006756 | 10.03% | 1.594% |
| 42 | 16.951 | 2369 | 2374 | 2379 | rVV | 10125617 | 13683225 | 68.37% | 10.870% |
| 43 | 17.004 | 2379 | 2383 | 2386 | rVV | 1910035 | 2558172 | 12.78% | 2.032% |
| 44 | 17.039 | 2386 | 2389 | 2396 | rVV | 1018544 | 1311846 | 6.55% | 1.042% |
| 45 | 17.104 | 2396 | 2400 | 2406 | rVV3 | 85893 | 155361 | 0.78% | 0.123% |
| 46 | 17.315 | 2431 | 2436 | 2440 | rBV | 145188 | 208426 | 1.04% | 0.166% |
| 47 | 17.356 | 2440 | 2443 | 2452 | rVV6 | 61580 | 128709 | 0.64% | 0.102% |
| 48 | 17.433 | 2452 | 2456 | 2461 | rVV | 242869 | 334832 | 1.67% | 0.266% |
| 49 | 17.486 | 2461 | 2465 | 2476 | rVB2 | 110946 | 203244 | 1.02% | 0.161% |
| 50 | 17.627 | 2485 | 2489 | 2499 | rVB | 96840 | 179235 | 0.90% | 0.142% |
| 51 | 17.780 | 2507 | 2515 | 2519 | rVV | 762649 | 1090385 | 5.45% | 0.866% |
| 52 | 17.827 | 2519 | 2523 | 2531 | rVV | 1148531 | 1587300 | 7.93% | 1.261% |
| 53 | 17.909 | 2532 | 2537 | 2542 | rVV | 192337 | 311426 | 1.56% | 0.247% |
| 54 | 17.974 | 2542 | 2548 | 2553 | rVV2 | 2038583 | 3232782 | 16.15% | 2.568% |
| 55 | 18.015 | 2553 | 2555 | 2563 | rVB | 414625 | 461940 | 2.31% | 0.367% |
| 56 | 18.186 | 2579 | 2584 | 2588 | rBV3 | 73717 | 122867 | 0.61% | 0.098% |
| 57 | 18.292 | 2597 | 2602 | 2606 | rVV | 611226 | 832924 | 4.16% | 0.662% |
| 58 | 18.333 | 2606 | 2609 | 2614 | rVB2 | 142565 | 206200 | 1.03% | 0.164% |
| 59 | 18.415 | 2620 | 2623 | 2627 | rVB | 71597 | 81405 | 0.41% | 0.065% |
| 60 | 18.539 | 2641 | 2644 | 2649 | rVB | 133297 | 170110 | 0.85% | 0.135% |
| 61 | 18.592 | 2649 | 2653 | 2656 | rVV | 113019 | 137916 | 0.69% | 0.110% |
| 62 | 18.627 | 2656 | 2659 | 2663 | rVB | 81927 | 104916 | 0.52% | 0.083% |
| 63 | 18.715 | 2668 | 2674 | 2679 | rBV | 192164 | 316136 | 1.58% | 0.251% |
| 64 | 18.774 | 2679 | 2684 | 2687 | rBV2 | 152355 | 246436 | 1.23% | 0.196% |
| 65 | 18.803 | 2687 | 2689 | 2693 | rVB | 82570 | 94798 | 0.47% | 0.075% |
| 66 | 18.856 | 2693 | 2698 | 2699 | rBV | 84607 | 113176 | 0.57% | 0.090% |
| 67 | 18.980 | 2712 | 2719 | 2726 | rVV | 15690098 | 20013900 | 100.00% | 15.900% |
| 68 | 19.050 | 2727 | 2731 | 2733 | rVV | 96180 | 127780 | 0.64% | 0.102% |
| 69 | 19.080 | 2733 | 2736 | 2740 | rVV3 | 100643 | 131099 | 0.66% | 0.104% |
| 70 | 19.180 | 2748 | 2753 | 2755 | rBV4 | 51986 | 109112 | 0.55% | 0.087% |
| 71 | 19.221 | 2755 | 2760 | 2765 | rVB | 324615 | 470789 | 2.35% | 0.374% |
| 72 | 19.315 | 2770 | 2776 | 2778 | rBV2 | 4229676 | 6666089 | 33.31% | 5.296% |
| 73 | 19.345 | 2778 | 2781 | 2789 | rVV | 10091925 | 11880469 | 59.36% | 9.438% |
| 74 | 19.415 | 2789 | 2793 | 2801 | rVB | 298190 | 481427 | 2.41% | 0.382% |
| 75 | 19.527 | 2801 | 2812 | 2818 | rBV | 453316 | 716584 | 3.58% | 0.569% |
| 76 | 19.674 | 2830 | 2837 | 2843 | rBV3 | 317327 | 816836 | 4.08% | 0.649% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

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-BM011325.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.809 | 2855 | 2860 | 2861 | rBV2 | 254419 | 363172 | 1.81% | 0.289% |
| 78 | 19.844 | 2861 | 2866 | 2871 | rVB | 1251459 | 1779660 | 8.89% | 1.414% |
| 79 | 19.944 | 2878 | 2883 | 2887 | rBV | 1306313 | 1660436 | 8.30% | 1.319% |
| 80 | 19.997 | 2887 | 2892 | 2896 | rVV2 | 438161 | 681121 | 3.40% | 0.541% |
| 81 | 20.039 | 2896 | 2899 | 2903 | rVB | 219772 | 267607 | 1.34% | 0.213% |
| 82 | 20.086 | 2903 | 2907 | 2911 | rVB | 109763 | 145030 | 0.72% | 0.115% |
| 83 | 20.139 | 2912 | 2916 | 2920 | rBV | 173312 | 215757 | 1.08% | 0.171% |
| 84 | 20.186 | 2920 | 2924 | 2929 | rBV4 | 175383 | 280171 | 1.40% | 0.223% |
| 85 | 20.439 | 2958 | 2967 | 2970 | rBV4 | 96911 | 227615 | 1.14% | 0.181% |
| 86 | 20.480 | 2970 | 2974 | 2977 | rVB4 | 76858 | 132828 | 0.66% | 0.106% |
| 87 | 20.556 | 2983 | 2987 | 2992 | rBV3 | 114789 | 213283 | 1.07% | 0.169% |
| 88 | 20.756 | 3017 | 3021 | 3025 | rBV | 407206 | 516397 | 2.58% | 0.410% |
| 89 | 20.797 | 3025 | 3028 | 3031 | rBV | 361550 | 403622 | 2.02% | 0.321% |
| 90 | 20.833 | 3031 | 3034 | 3036 | rBV | 197114 | 241371 | 1.21% | 0.192% |
| 91 | 21.133 | 3077 | 3085 | 3089 | rBV2 | 2455924 | 5383863 | 26.90% | 4.277% |
| 92 | 21.174 | 3089 | 3092 | 3101 | rVB | 1713624 | 2503829 | 12.51% | 1.989% |
| 93 | 21.309 | 3111 | 3115 | 3119 | rBV | 193138 | 258586 | 1.29% | 0.205% |
| 94 | 21.491 | 3142 | 3146 | 3153 | rVB3 | 92476 | 195402 | 0.98% | 0.155% |
| 95 | 22.056 | 3239 | 3242 | 3250 | rVB | 151424 | 246481 | 1.23% | 0.196% |
| 96 | 23.044 | 3403 | 3410 | 3416 | rBV | 592006 | 1579054 | 7.89% | 1.254% |
| 97 | 23.656 | 3509 | 3514 | 3519 | rBV | 247399 | 514381 | 2.57% | 0.409% |
| 98 | 23.727 | 3519 | 3526 | 3532 | rVV | 1411568 | 3097802 | 15.48% | 2.461% |
| 99 | 23.780 | 3532 | 3535 | 3542 | rVB | 281189 | 539983 | 2.70% | 0.429% |
| 100 | 23.915 | 3550 | 3558 | 3565 | rBV | 1169459 | 2692074 | 13.45% | 2.139% |

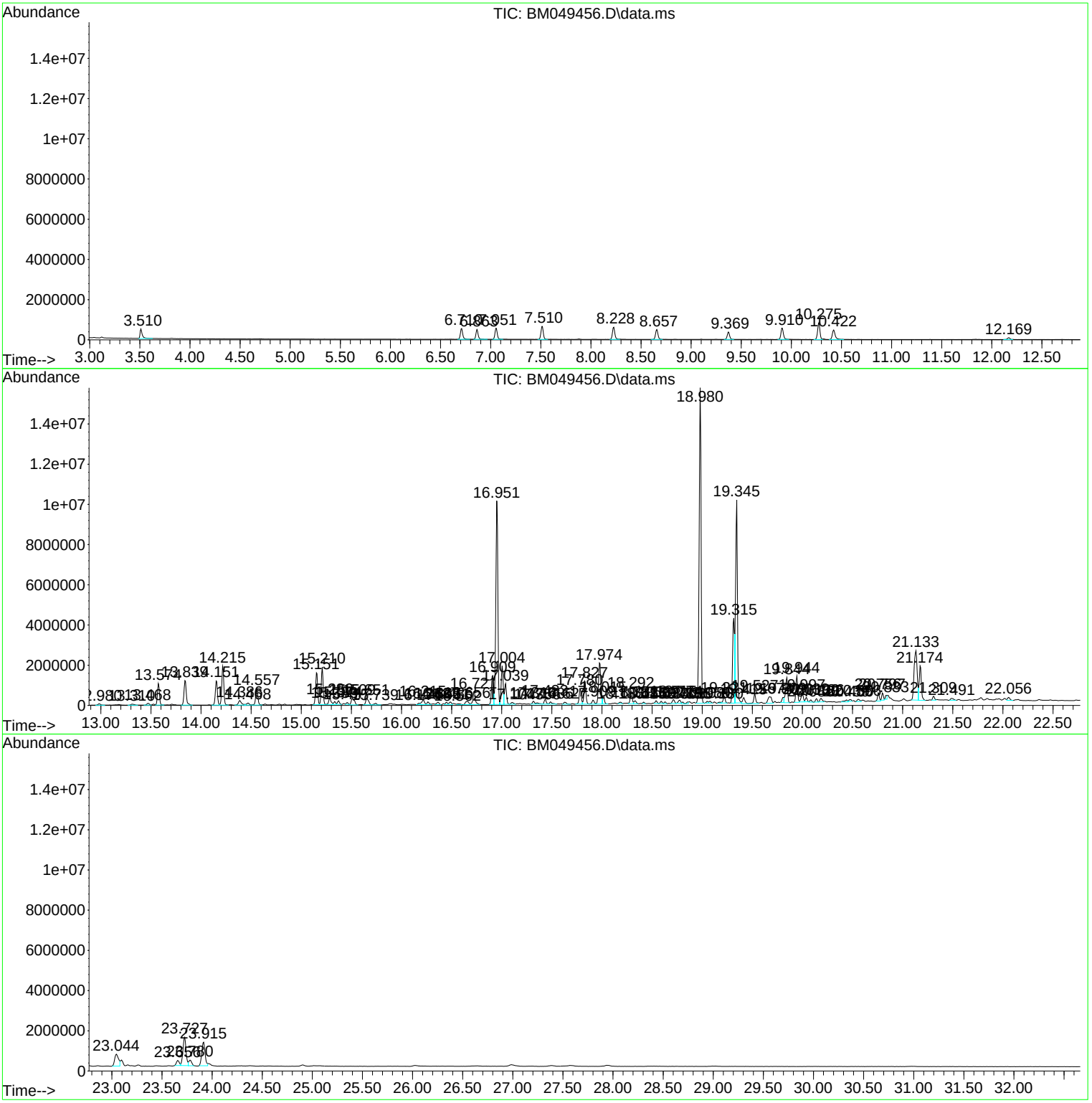
Sum of corrected areas: 125876503

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

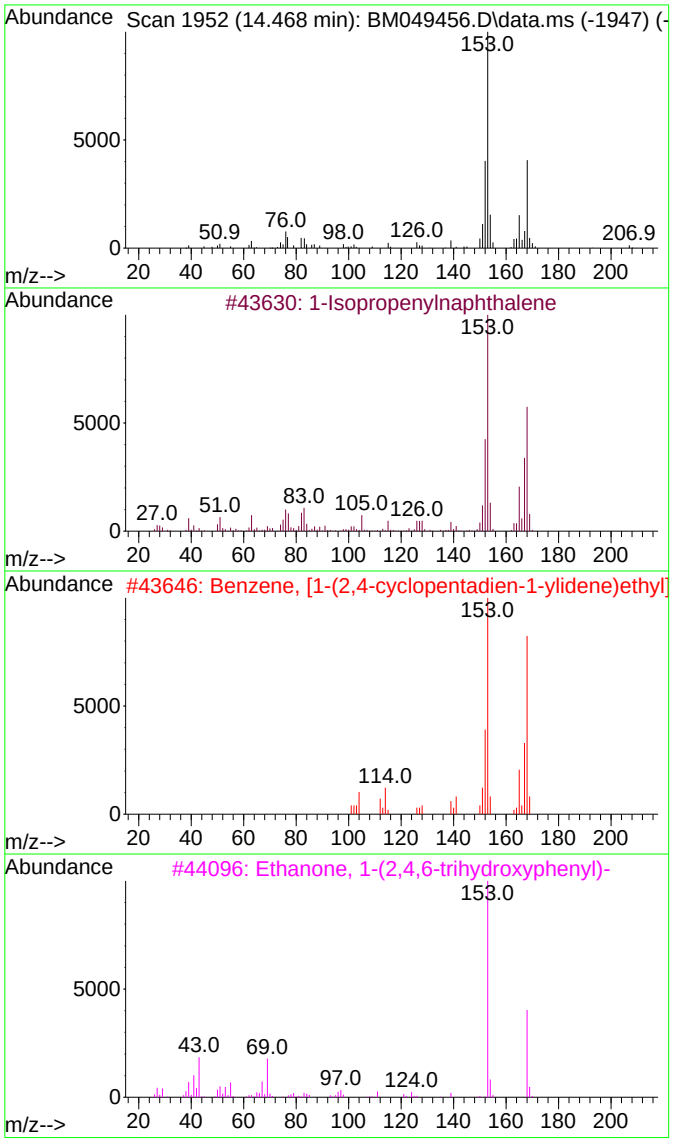
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

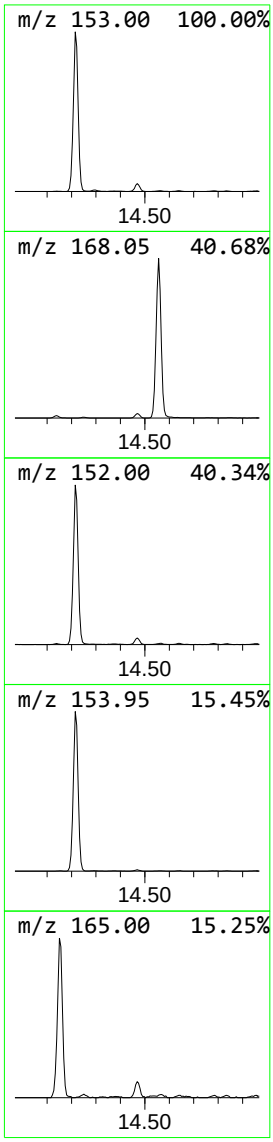
**********

Peak Number 1 1-Isopropenylnaphthalene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.468 | 2.11 ng/ul | 188618 | Acenaphthene-d10 | 14.151 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 90 |
| 2 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 78 |
| 3 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 52 |
| 4 | 1-Methoxy-2-methyl-4-(methylthio... | 168 | C9H12OS | 050390-78-8 | 52 |
| 5 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

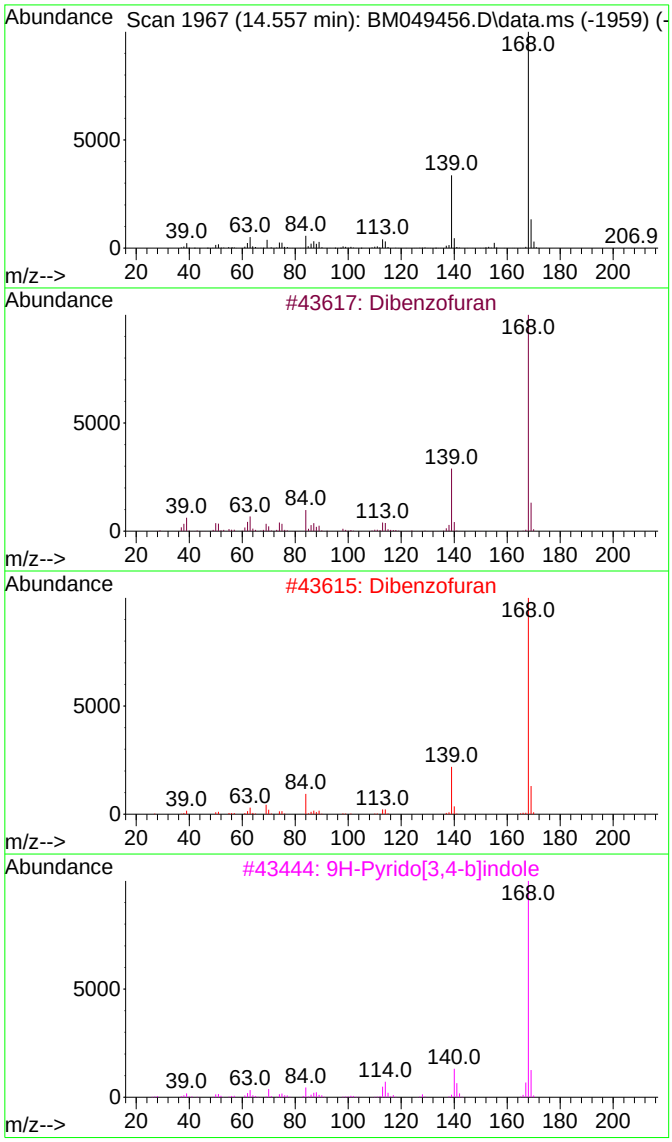
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

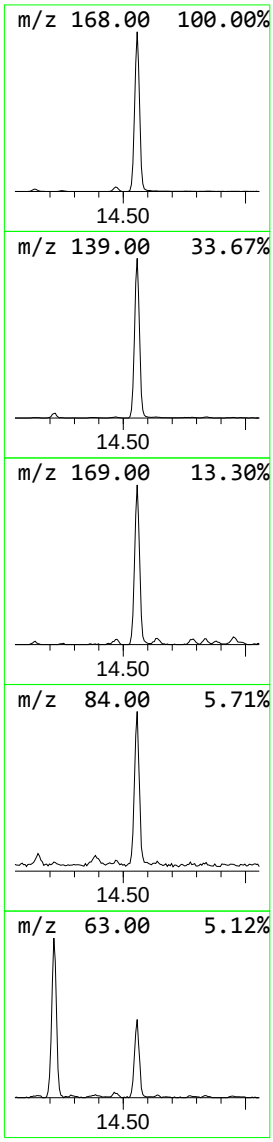
**********

Peak Number 2 Dibenzo furan Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.557 | 14.20 ng/ul | 1266890 | Acenaphthene-d10 | 14.151 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 91 |
| 2 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 87 |
| 3 | 9H-Pyrido[3,4-b]indole | 168 | C11H8N2 | 000244-63-3 | 72 |
| 4 | 1H-Pyrido[2,3-b]indole | 168 | C11H8N2 | 000244-76-8 | 64 |
| 5 | 1-Naphthalenecarbonitrile, 8-amino- | 168 | C11H8N2 | 038515-13-8 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

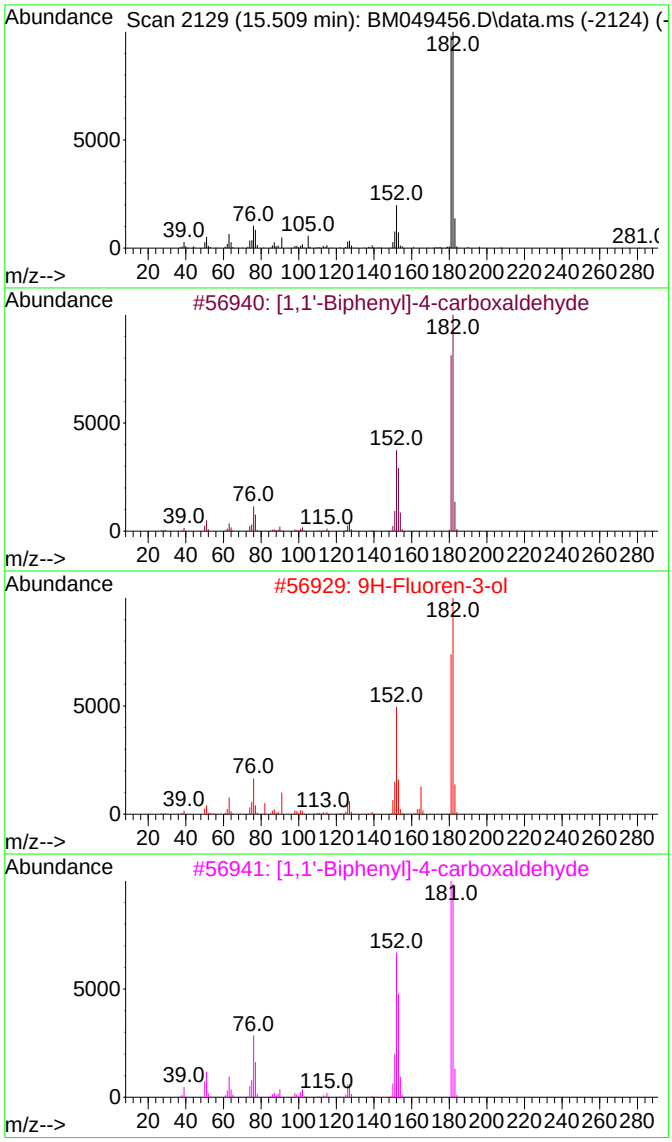
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

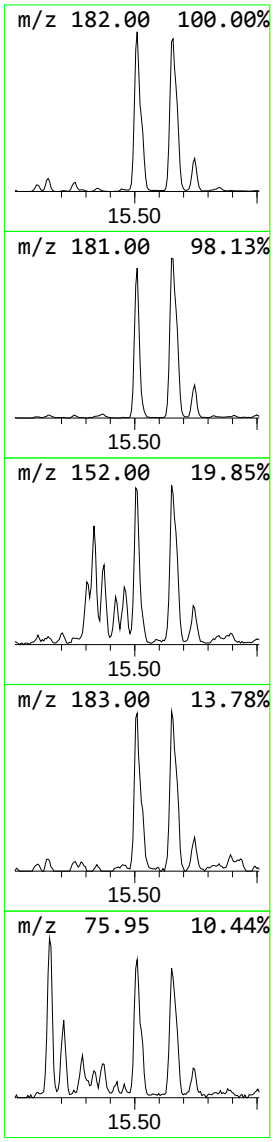
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.509 | 7.92 ng/ul | 706783 | Acenaphthene-d10 | 14.151 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 91 |
| 2 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 91 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 83 |
| 4 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 5 | 8-Methyl-5H-pyrido[4,3-b]indole | 182 | C12H10N2 | 088894-13-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

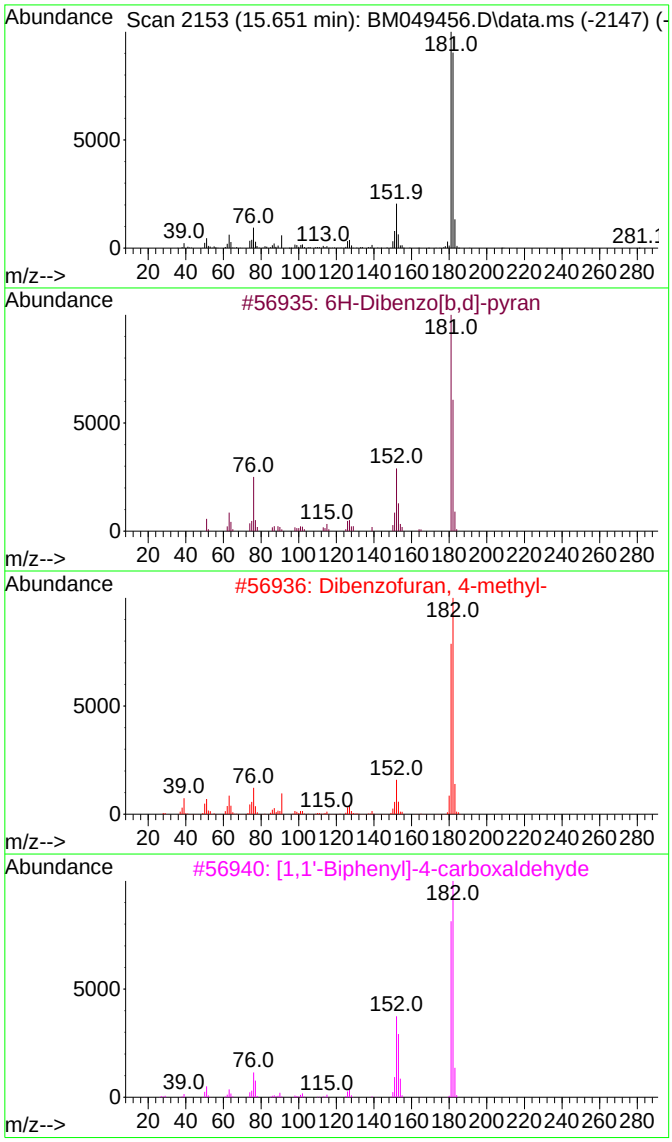
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

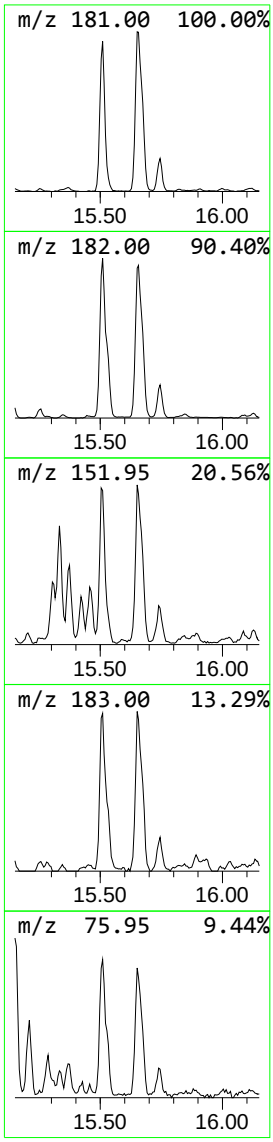
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.651 | 6.25 ng/ul | 627466 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6H-Dibenzo[b,d]-pyran | 182 | C13H10O | 000229-95-8 | 91 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 91 |
| 4 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 90 |
| 5 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

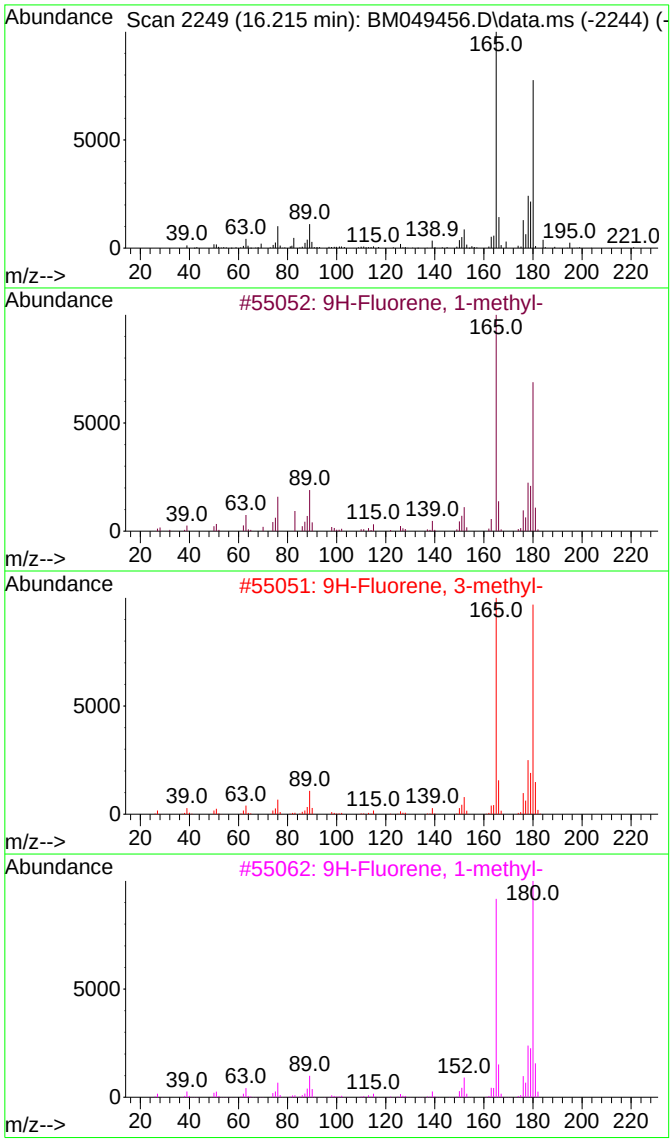
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

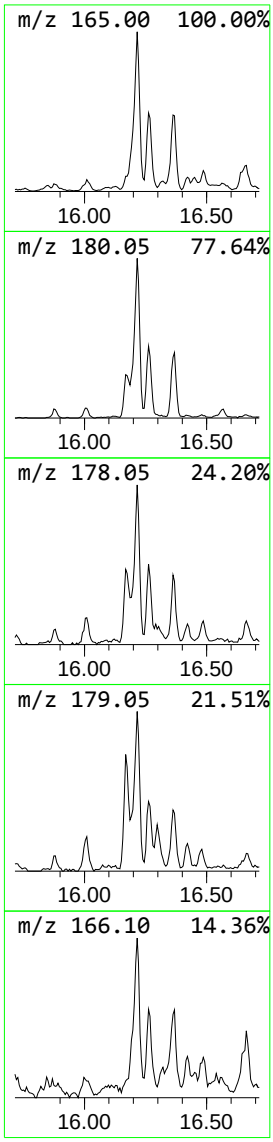
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.215 | 4.47 ng/ul | 448730 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 2 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 96 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 91 |
| 5 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

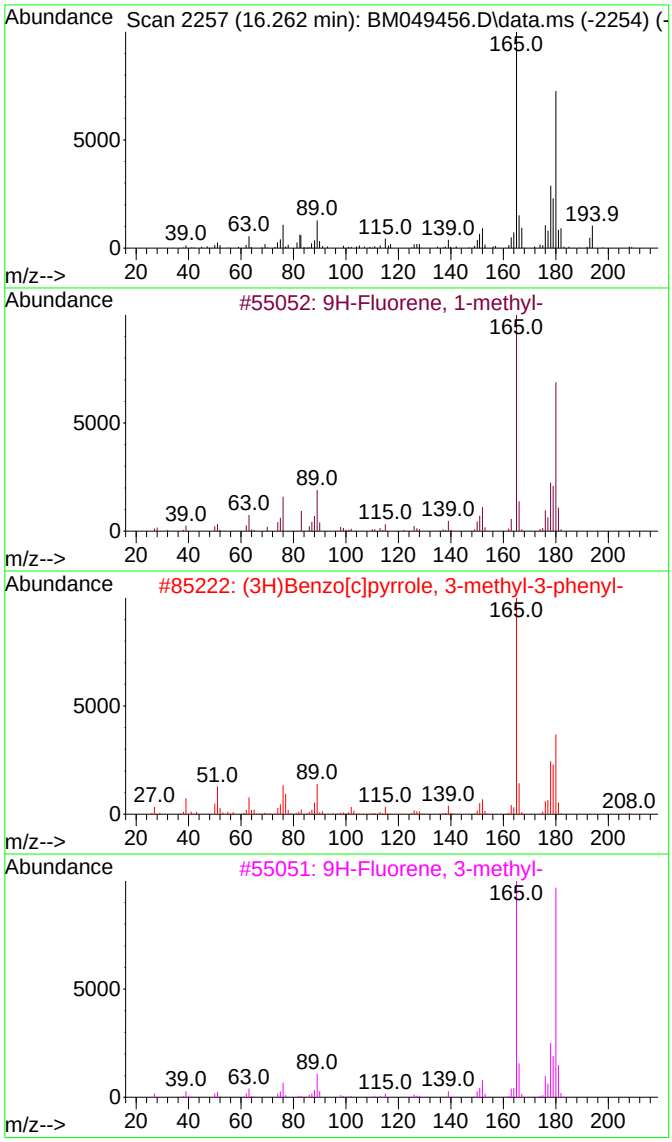
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

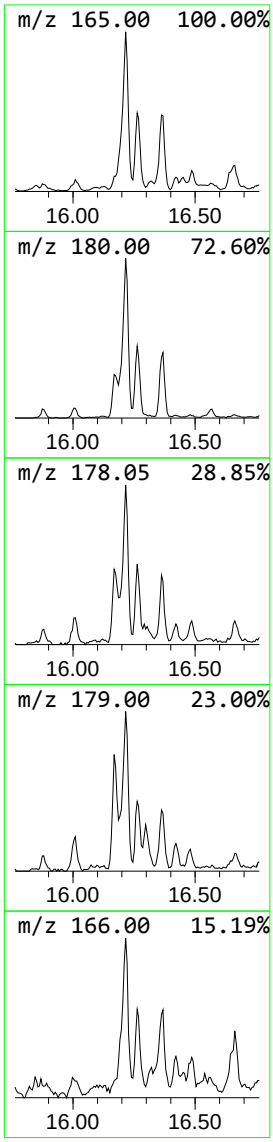
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (3H)Benzo[c]pyrrole, 3-meth... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.262 | 2.03 ng/ul | 203695 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 93 |
| 2 | (3H)Benzo[c]pyrrole, 3-methyl-3-... | 208 | C14H12N2 | 059341-20-7 | 89 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 70 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 64 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

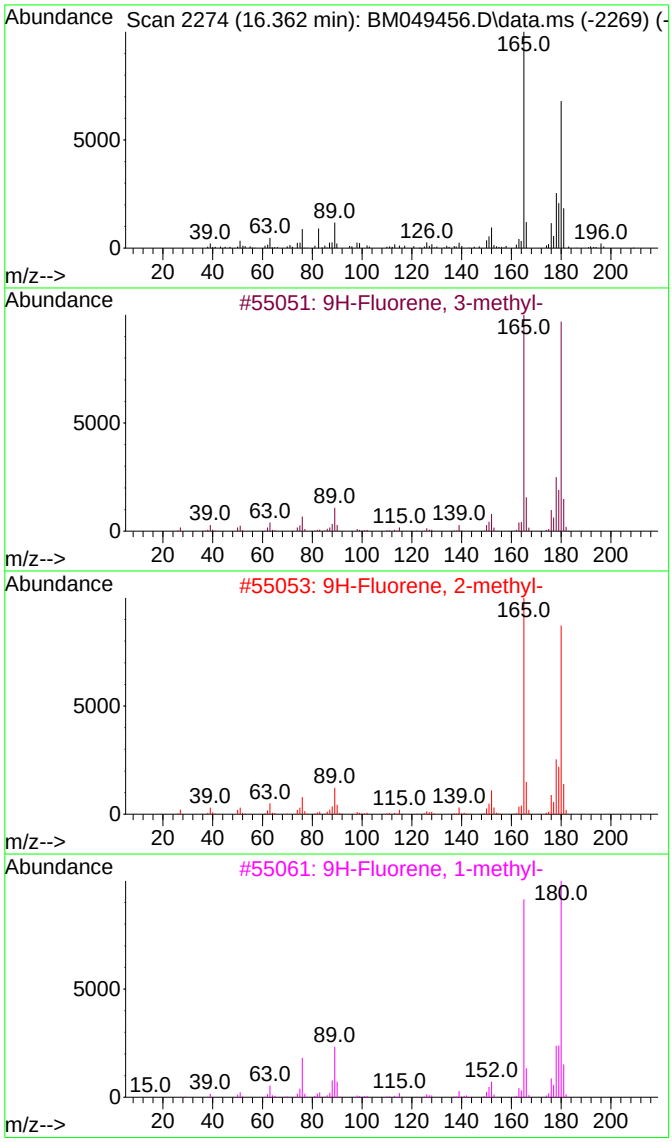
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

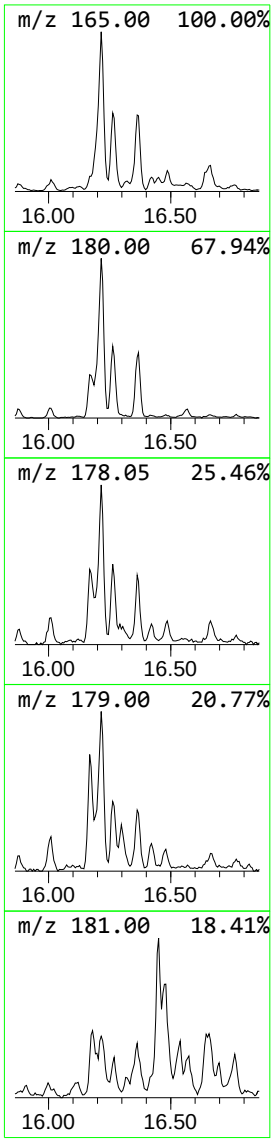
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.362 | 2.03 ng/ul | 204104 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 93 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 91 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 87 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 83 |
| 5 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

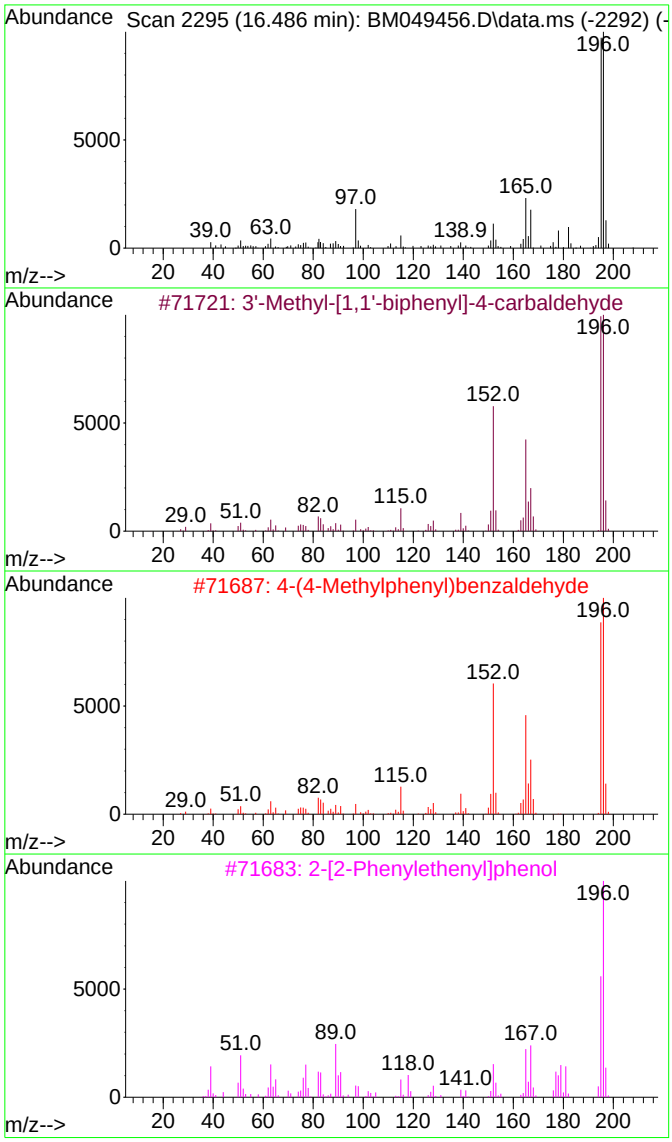
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

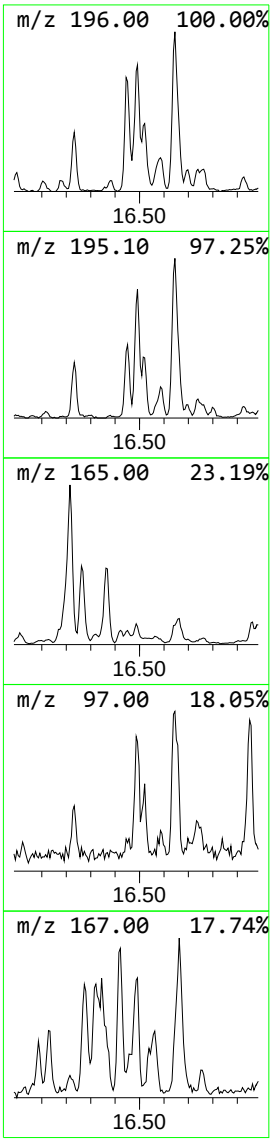
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.486 | 2.05 ng/ul | 205496 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 87 |
| 2 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 83 |
| 3 | 2-[2-Phenylethenyl]phenol | 196 | C14H12O | 042224-48-6 | 62 |
| 4 | 3-{Pyrazolo[1,5-a]pyrimidin-7-yl... | 196 | C11H8N4 | 078561-97-4 | 58 |
| 5 | 4-{Pyrazolo[1,5-a]pyrimidin-7-yl... | 196 | C11H8N4 | 1000443-78-9 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

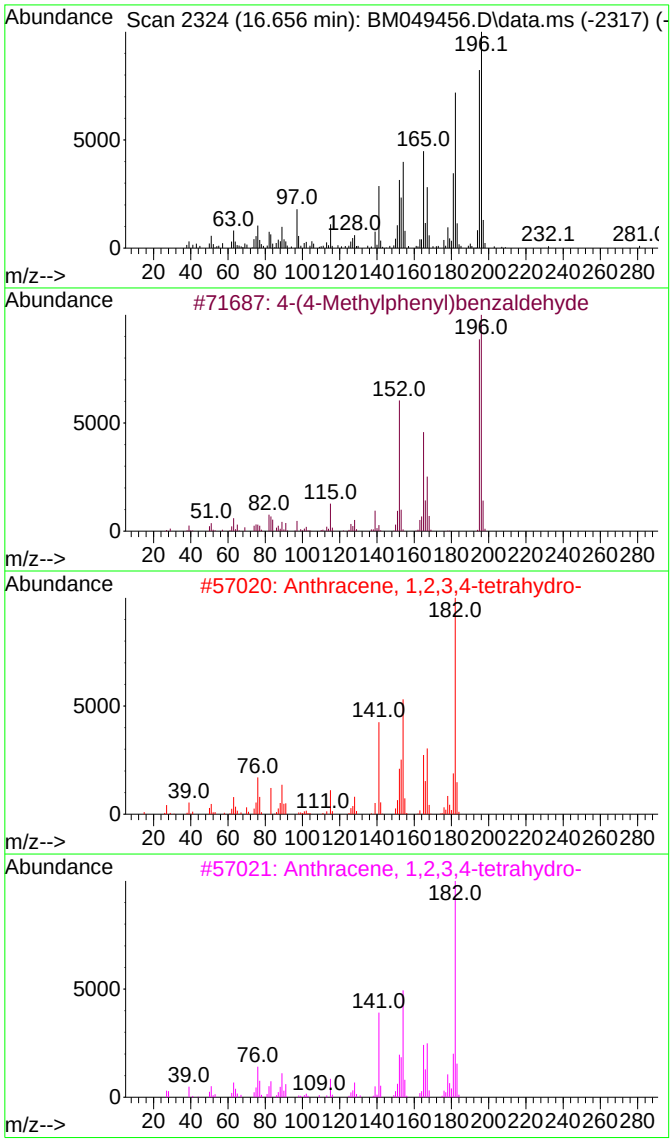
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

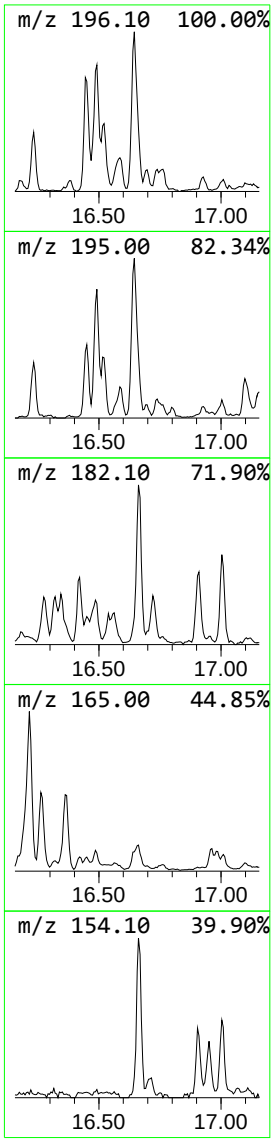
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4-(4-Methylphenyl)benzaldehyde Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.657 | 3.82 ng/ul | 383088 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 89 |
| 2 | Anthracene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 002141-42-6 | 84 |
| 3 | Anthracene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 002141-42-6 | 80 |
| 4 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 46 |
| 5 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

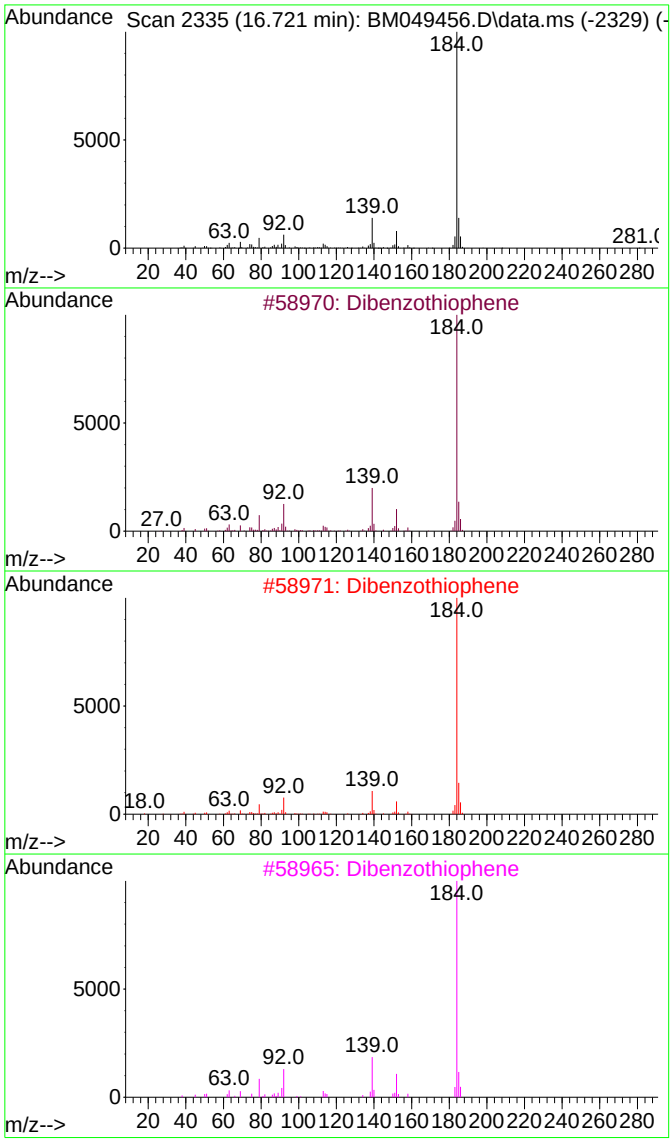
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

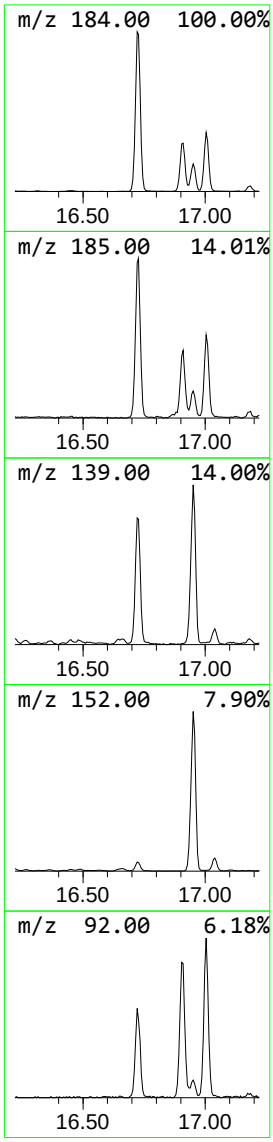
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Dibenzothiophene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.721 | 10.59 ng/ul | 1063040 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 96 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 5 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

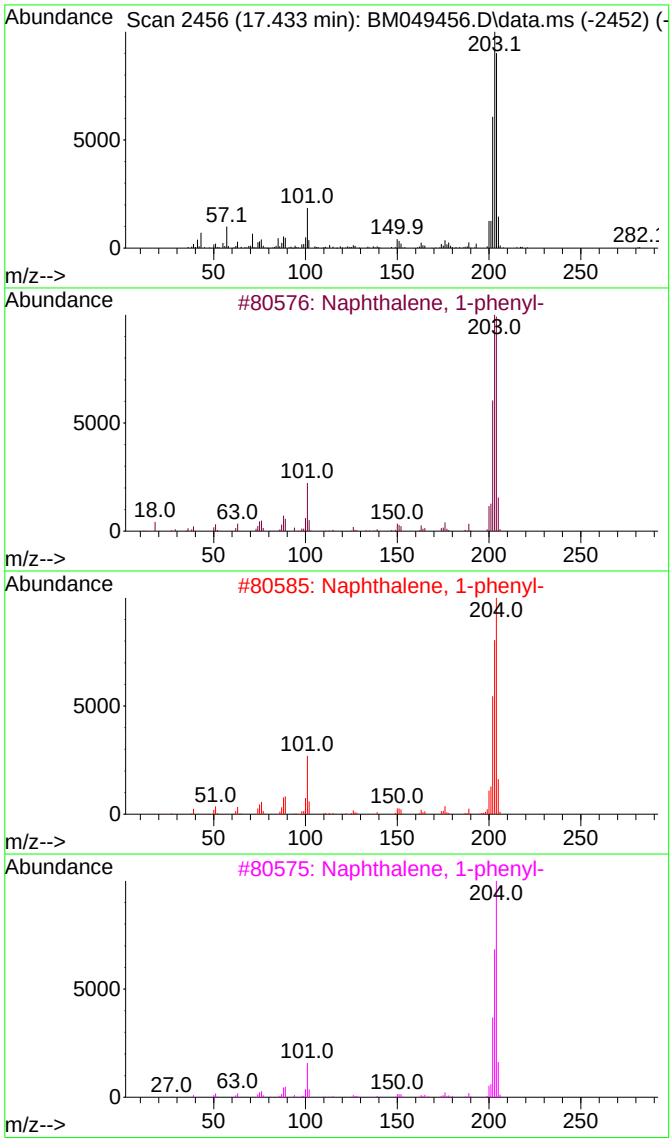
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

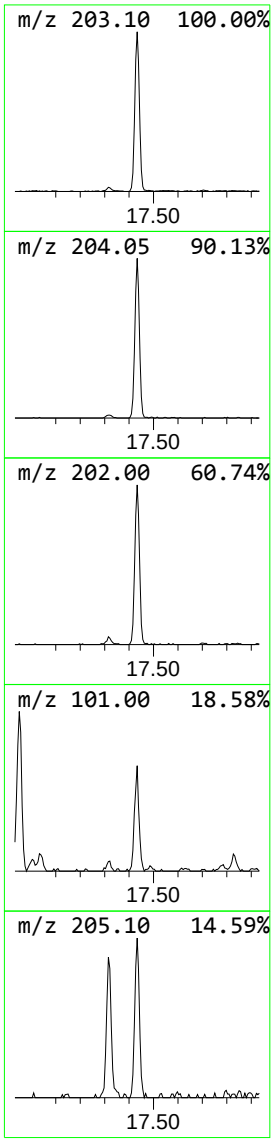
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.433 | 3.34 ng/ul | 334832 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 98 |
| 2 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 90 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 90 |
| 4 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 89 |
| 5 | 1H-Indene, 1-(phenylmethylene)- | 204 | C16H12 | 005394-86-5 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

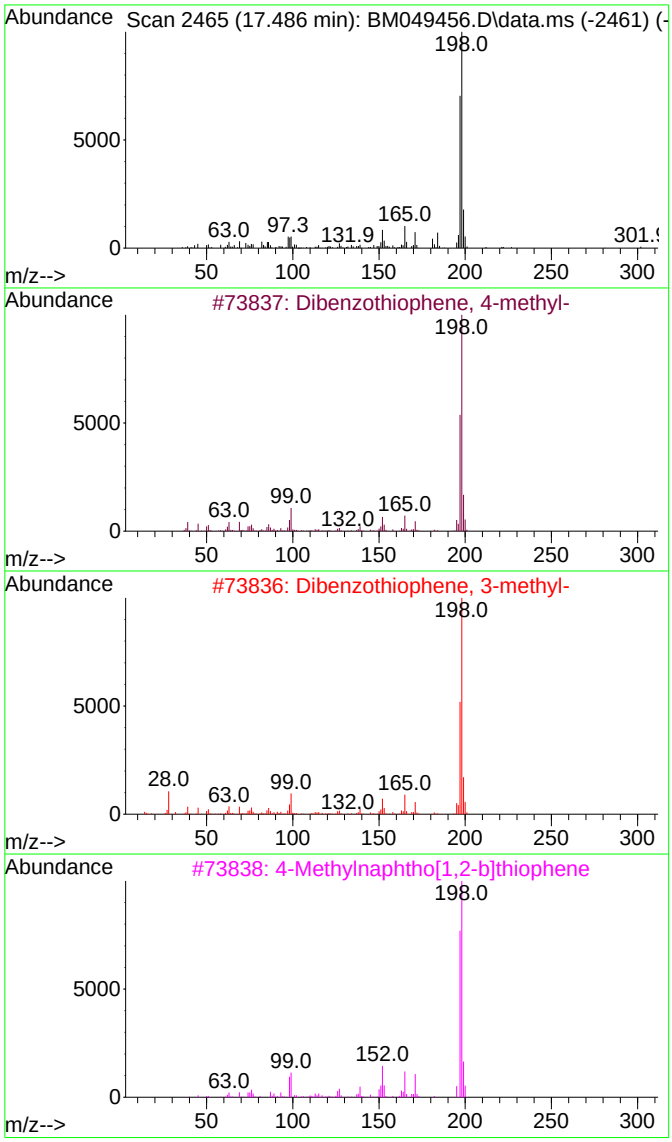
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

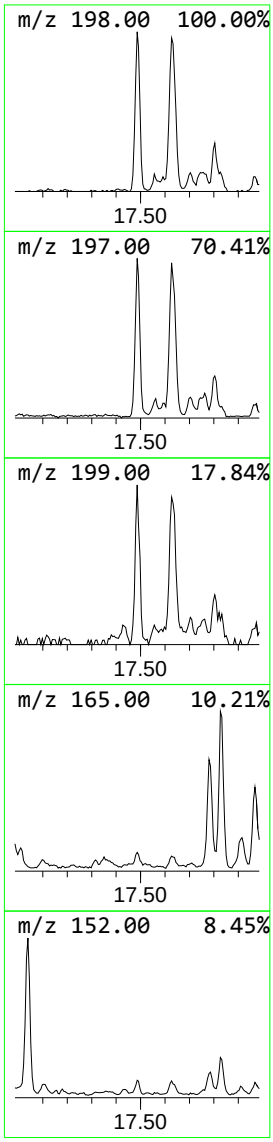
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Dibenzothiophene, 4-methyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.486 | 2.03 ng/ul | 203244 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene, 4-methyl- | 198 | C13H10S | 007372-88-5 | 93 |
| 2 | Dibenzothiophene, 3-methyl- | 198 | C13H10S | 016587-52-3 | 93 |
| 3 | 4-Methylnaphtho[1,2-b]thiophene | 198 | C13H10S | 067388-11-8 | 93 |
| 4 | 1-Methyldibenzothiophene | 198 | C13H10S | 031317-07-4 | 90 |
| 5 | 2-Methyldibenzothiophene | 198 | C13H10S | 1000383-55-1 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

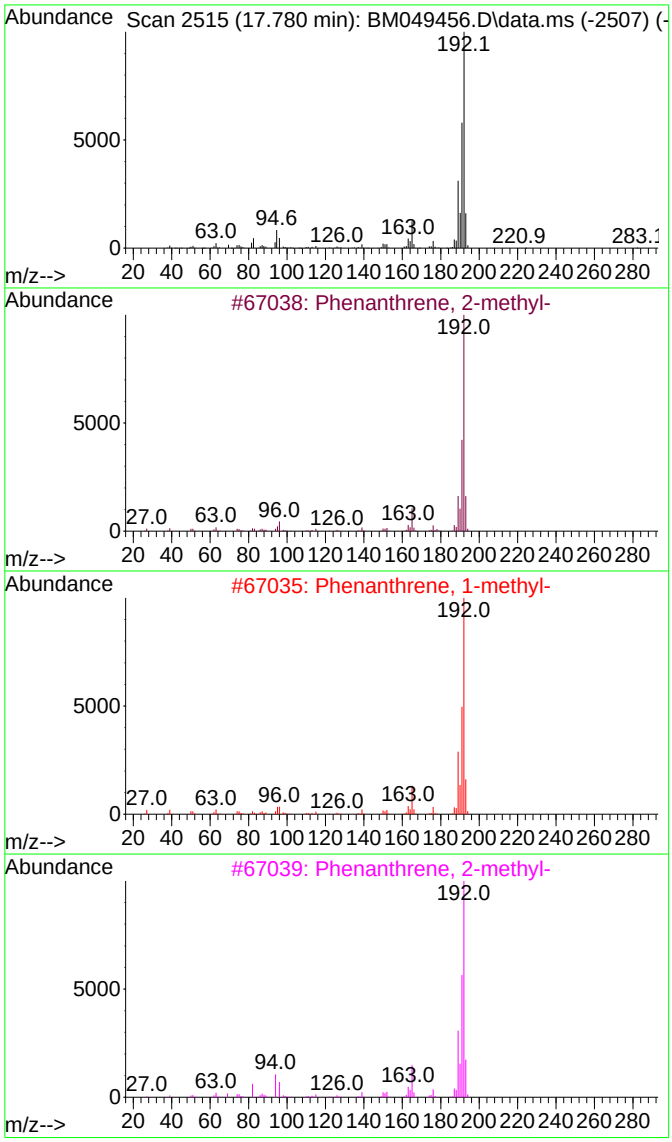
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

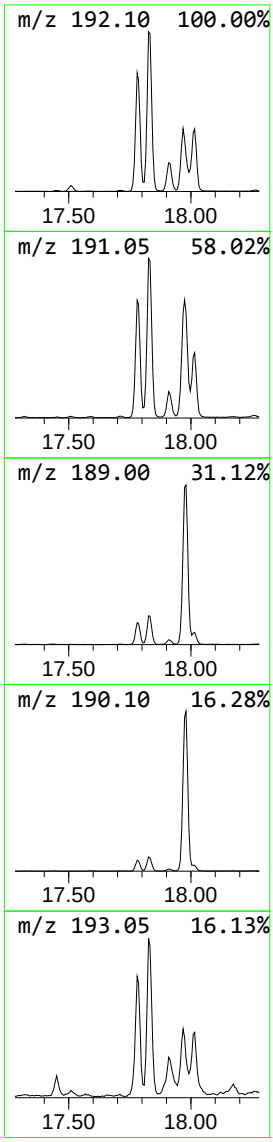
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.780 | 10.87 ng/ul | 1090390 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

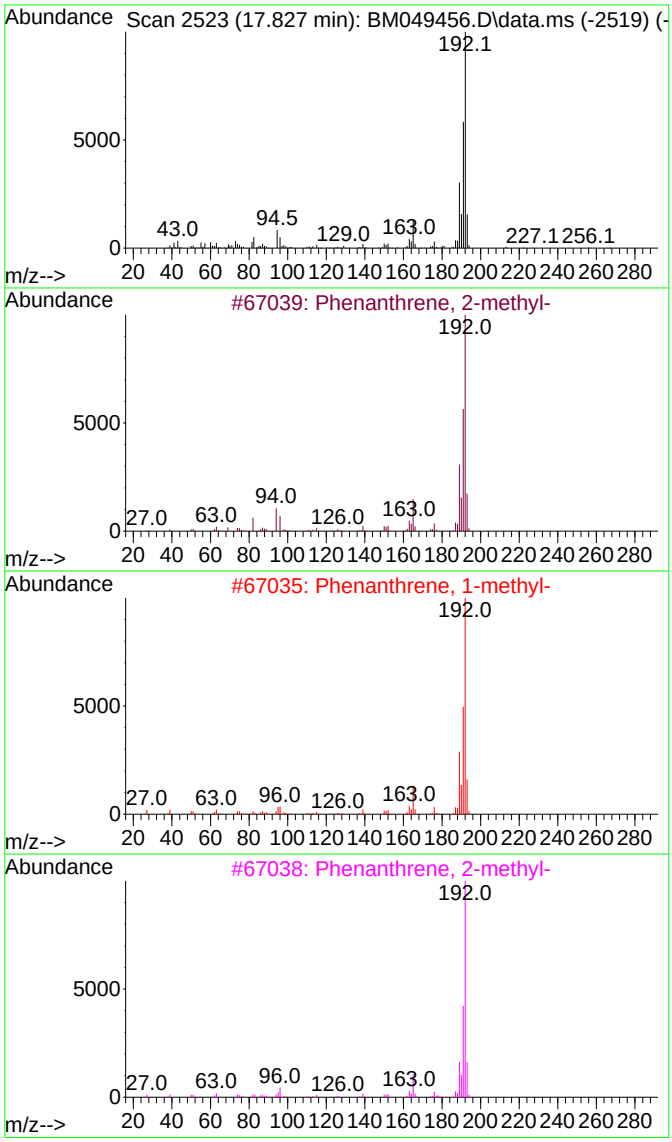
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

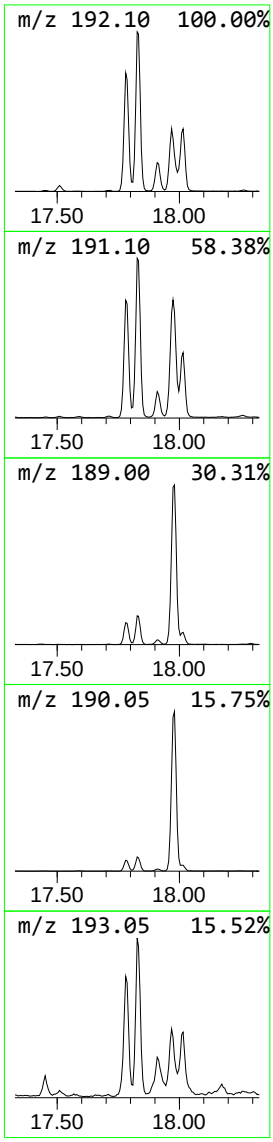
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.827 | 15.82 ng/ul | 1587300 | Phenanthrene-d10 | 16.909 |

| 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 | 96 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

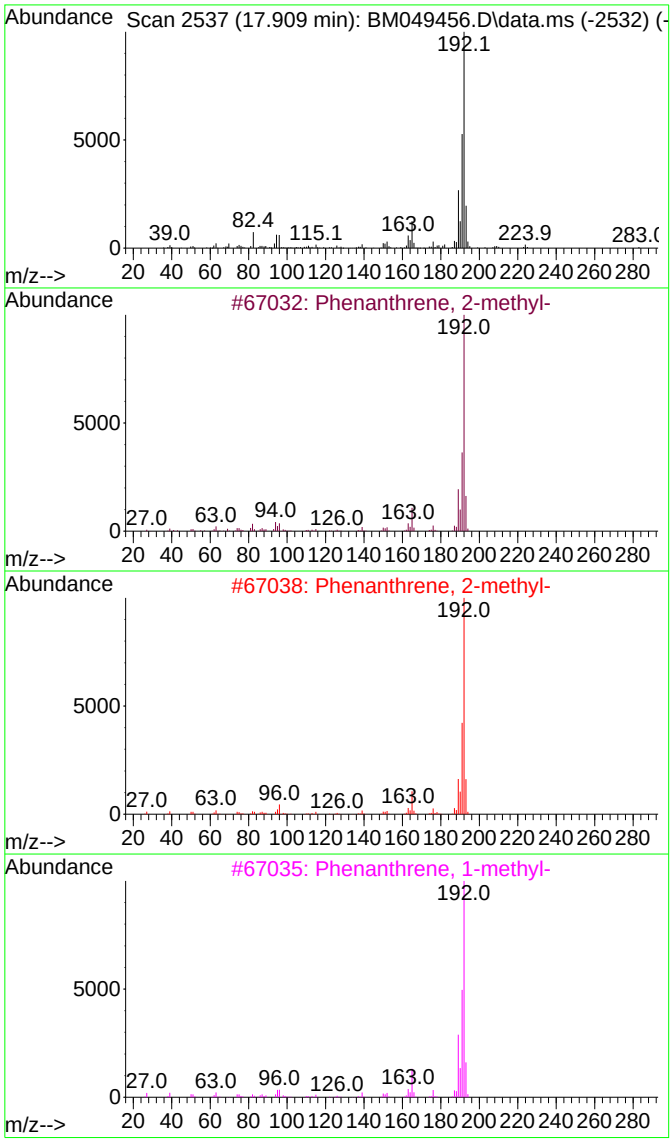
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

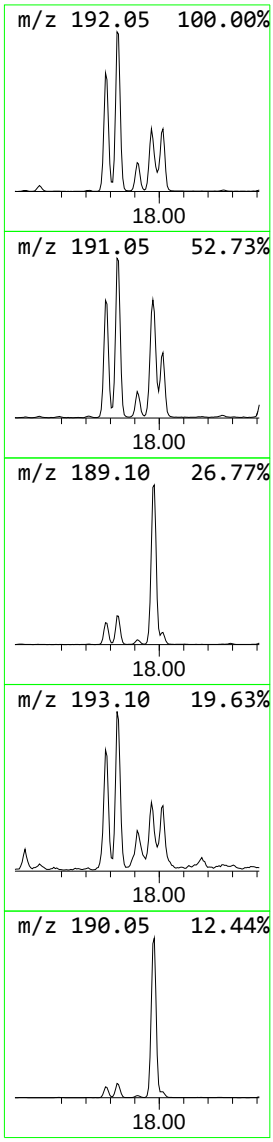
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.909 | 3.10 ng/ul | 311426 | Phenanthrene-d10 | 16.909 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

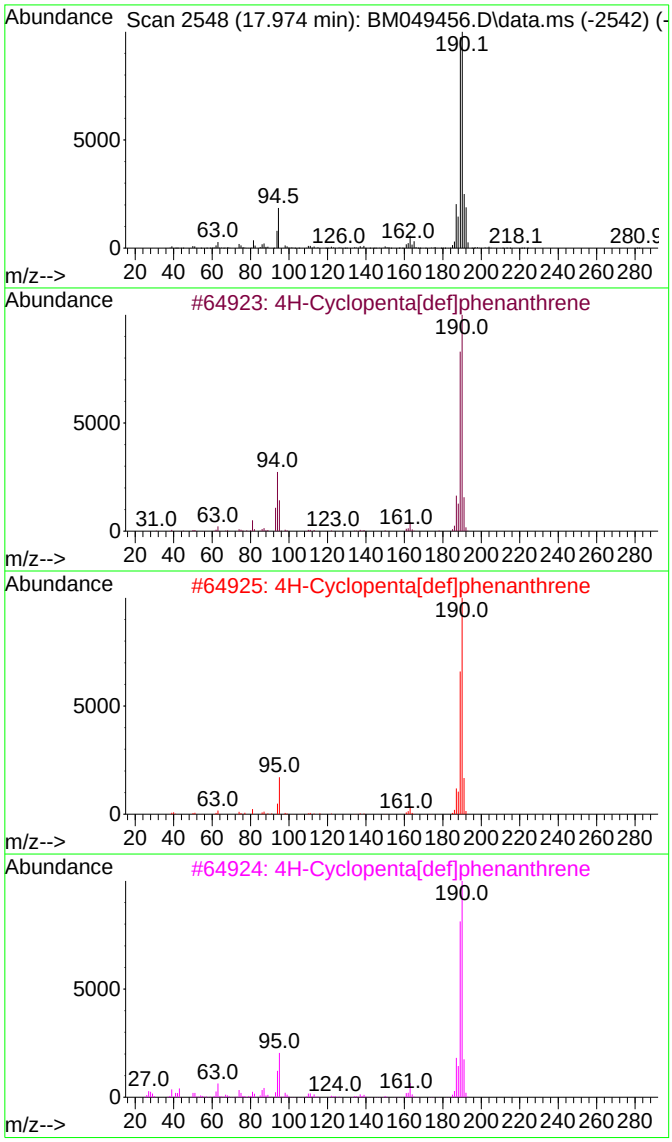
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

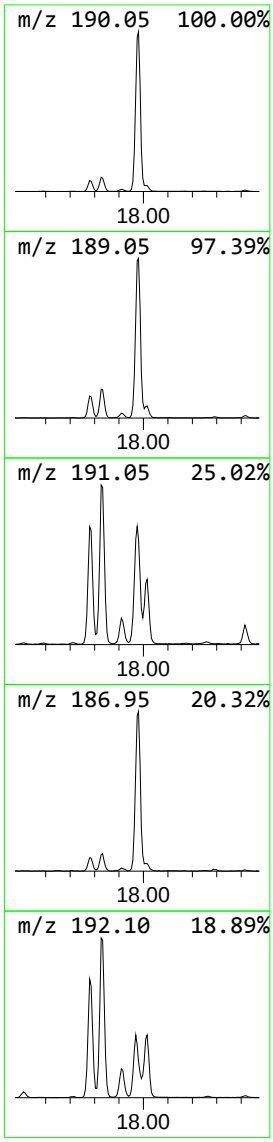
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.974 | 32.22 ng/ul | 3232780 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 74 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 72 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

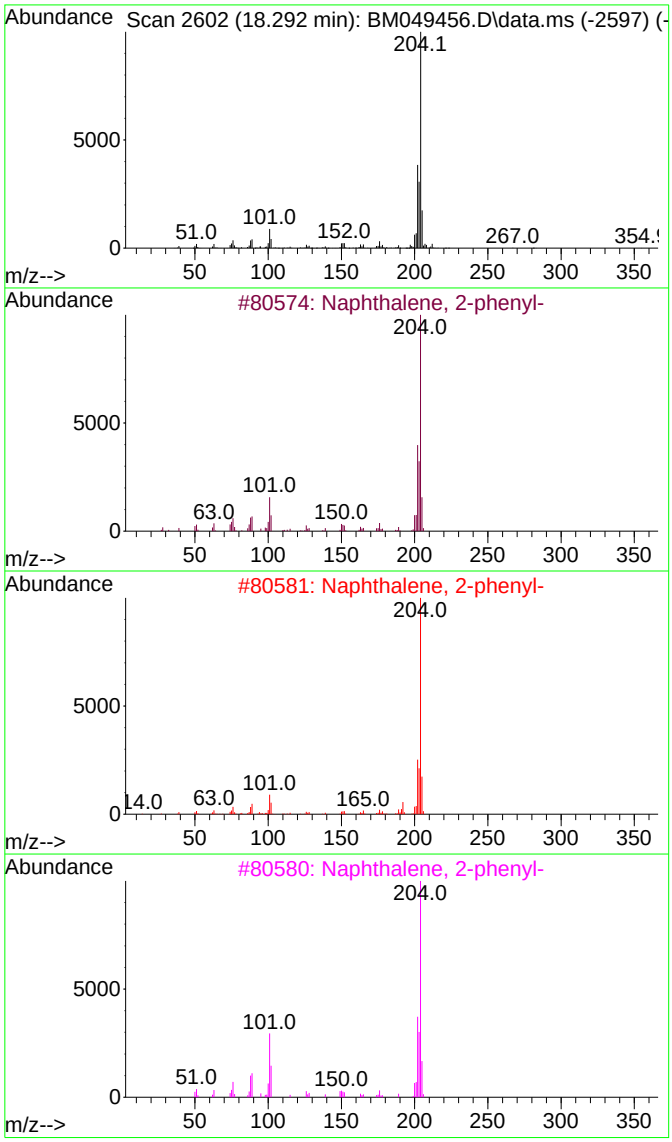
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

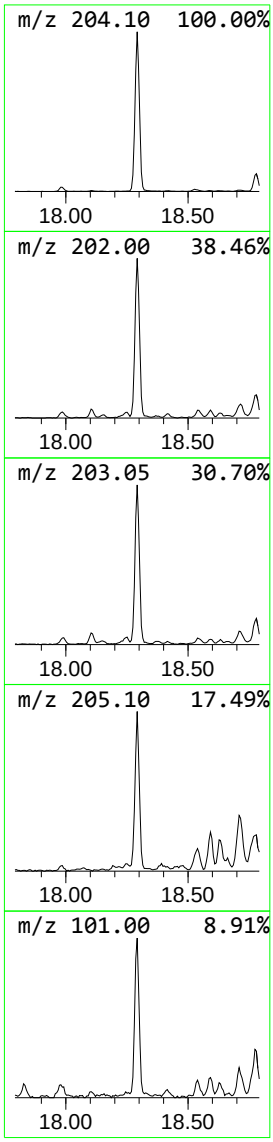
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.292 | 8.30 ng/ul | 832924 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 94 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

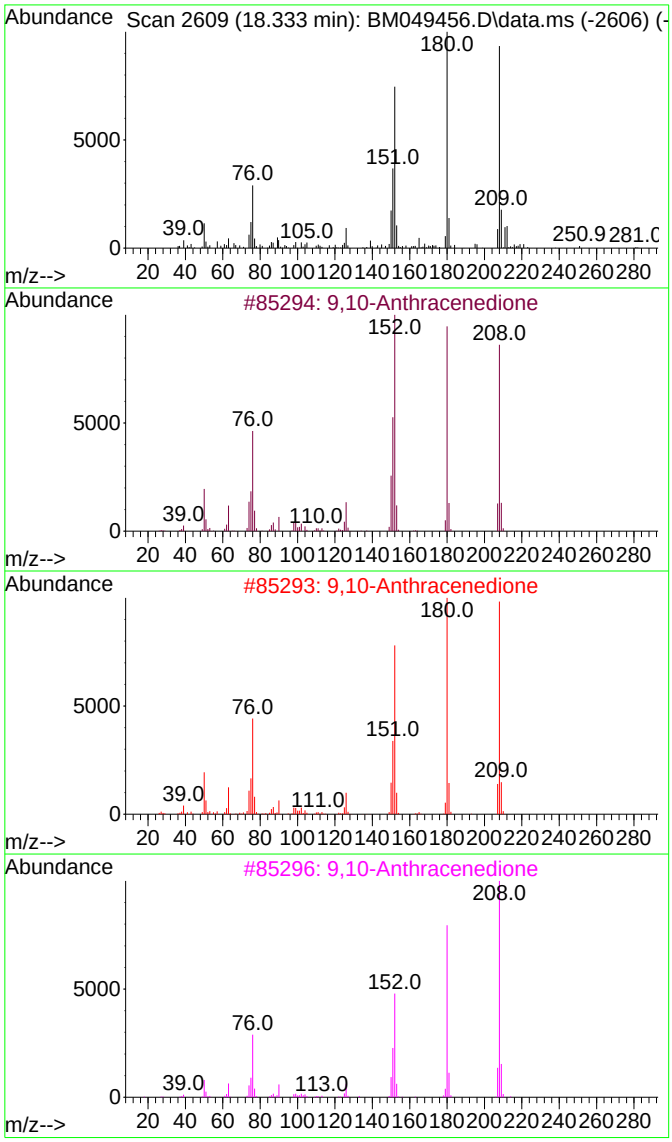
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

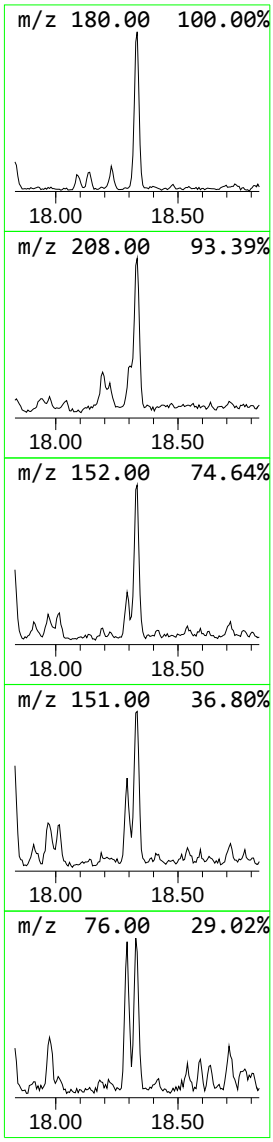
**********

Peak Number 21 9,10-Anthracenedione Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.333 | 2.06 ng/ul | 206200 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |
| 5 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

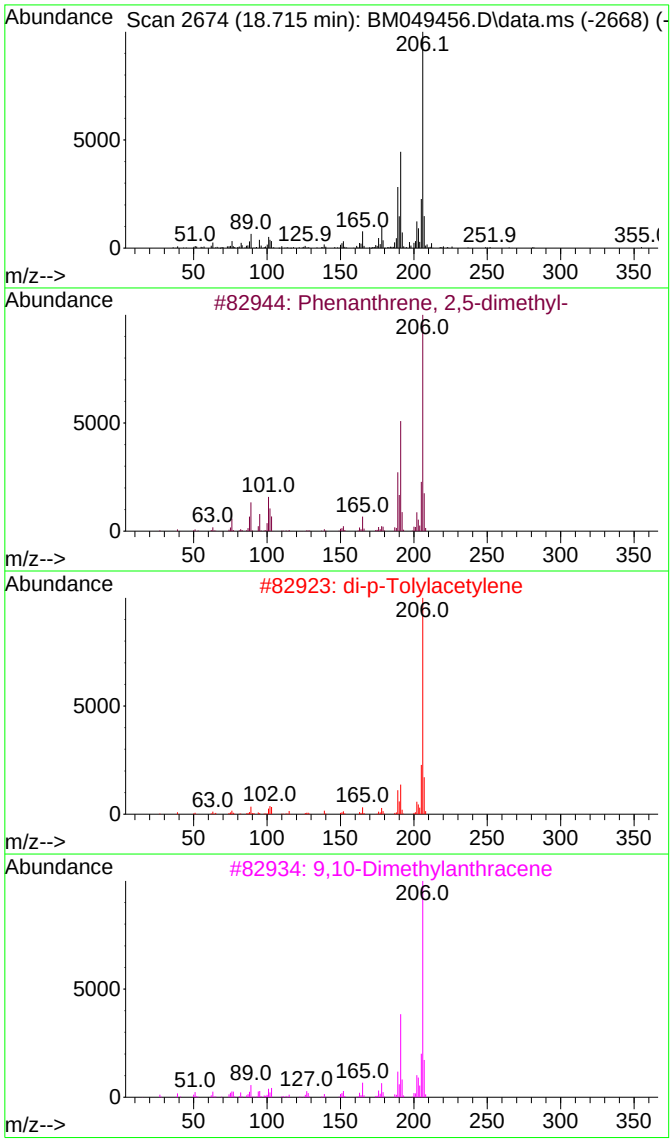
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

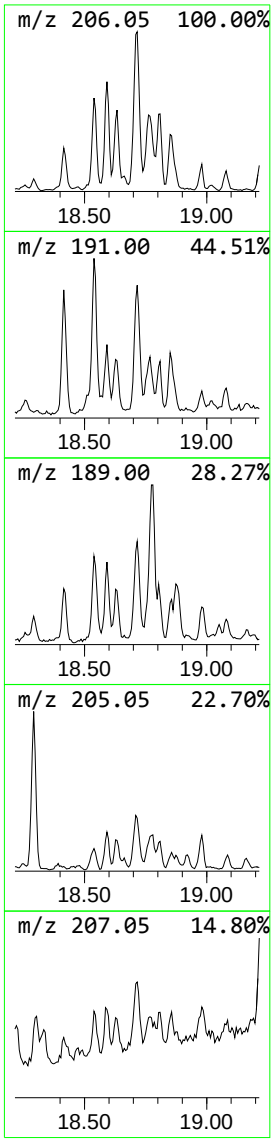
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.715 | 3.15 ng/ul | 316136 | Phenanthrene-d10 | 16.909 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 94 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

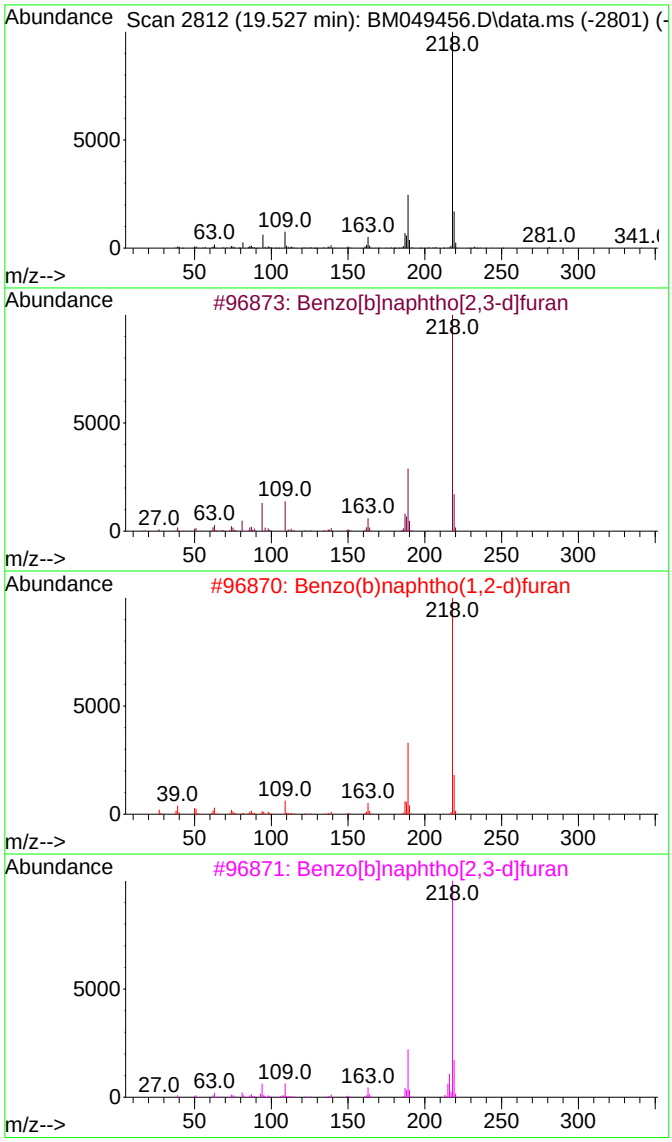
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

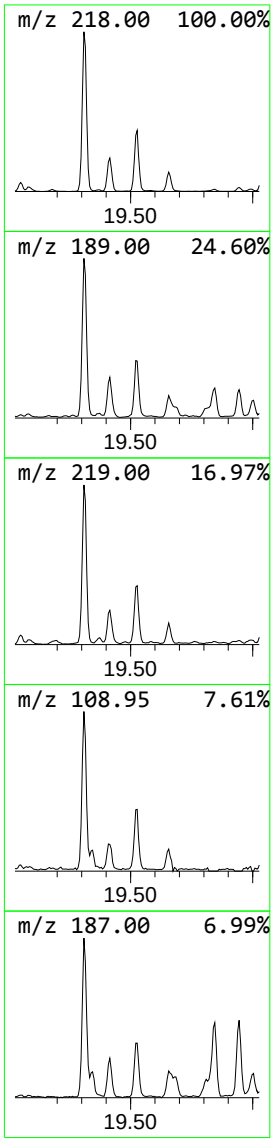
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 Benzo[b]naphtho[2,3-d]furan Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.527 | 2.66 ng/ul | 716584 | Chrysene-d12 | 21.139 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 97 |
| 2 | Benzo(b)naphtho(1,2-d)furan | 218 | C16H10O | 000205-39-0 | 97 |
| 3 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 95 |
| 4 | Indeno[2,1-b]chromene, | 218 | C16H10O | 000243-24-3 | 95 |
| 5 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

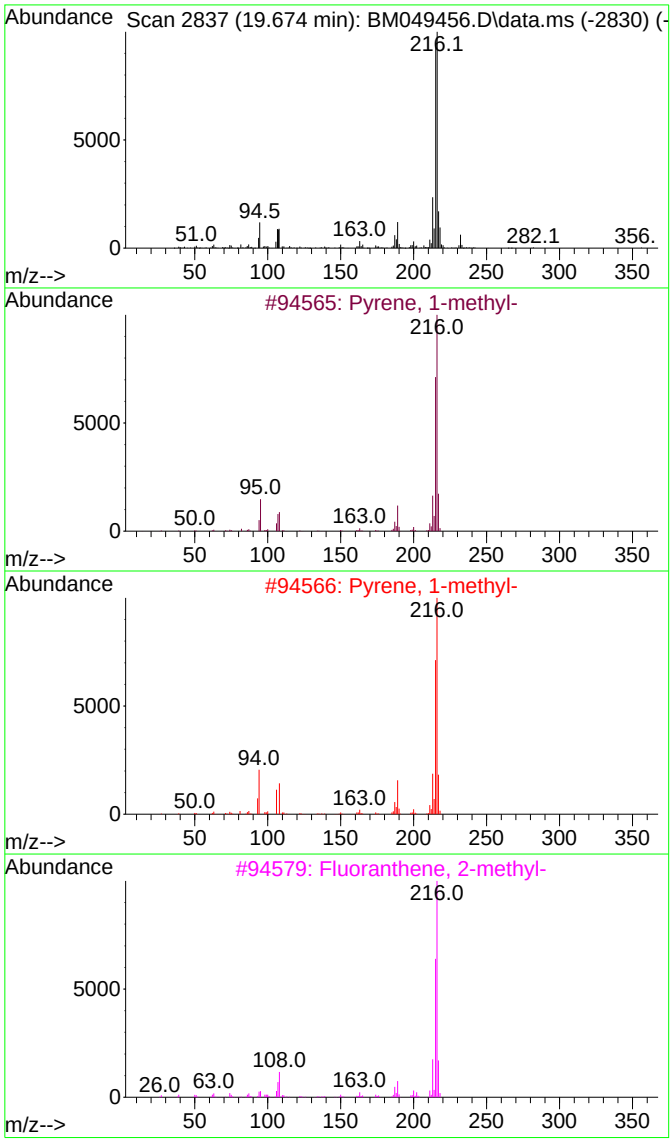
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

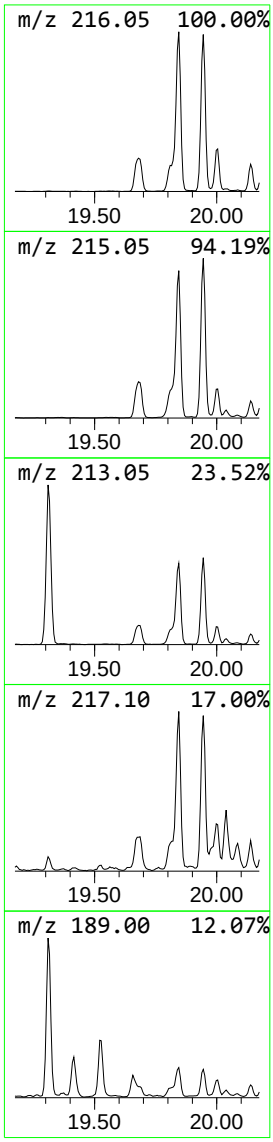
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.674 | 3.03 ng/ul | 816836 | Chrysene-d12 | 21.139 |

| 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 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 92 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

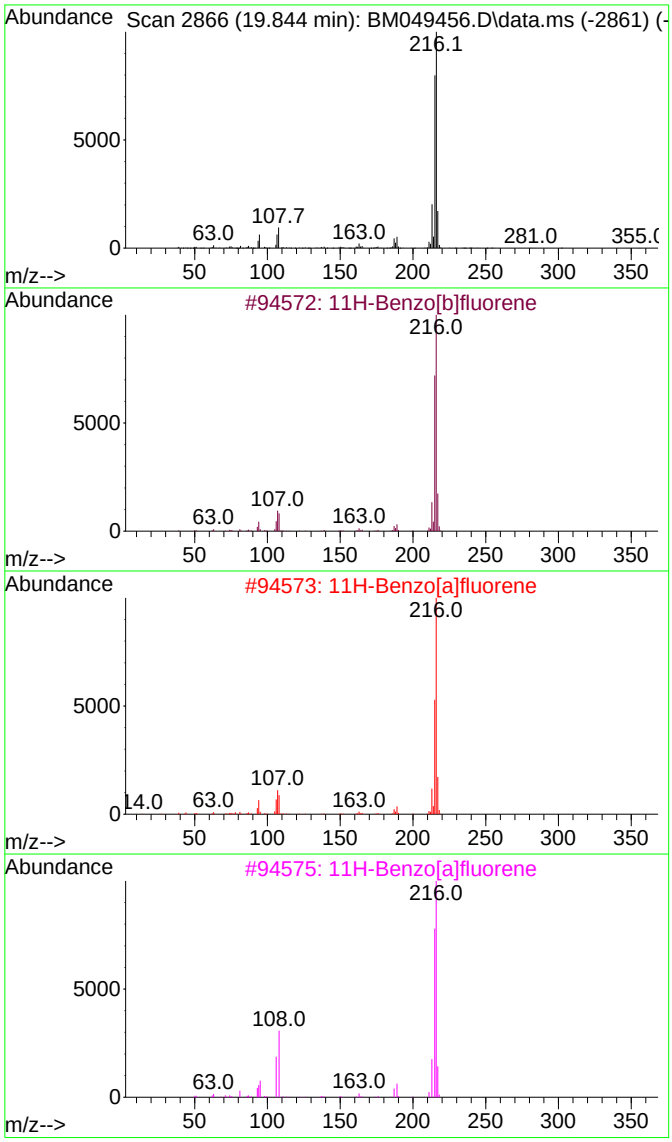
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

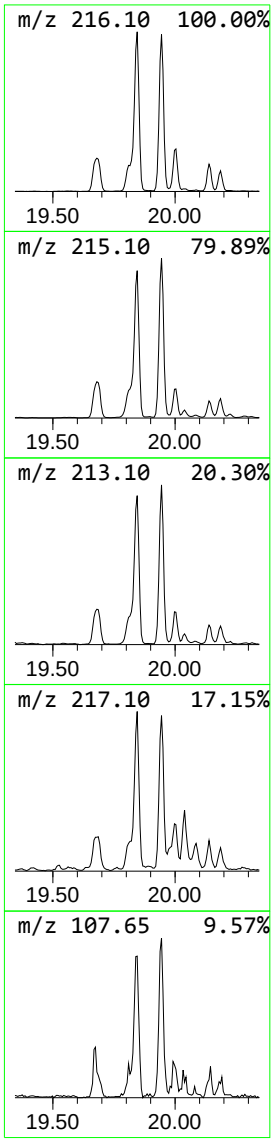
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.845 | 6.61 ng/ul | 1779660 | Chrysene-d12 | 21.139 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

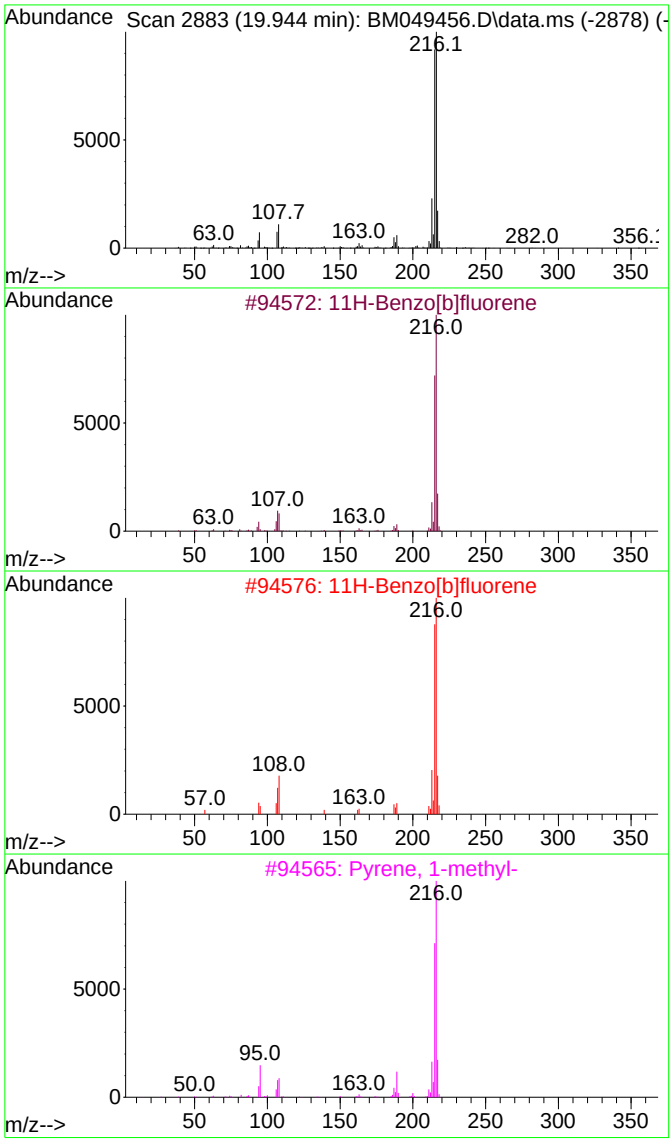
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

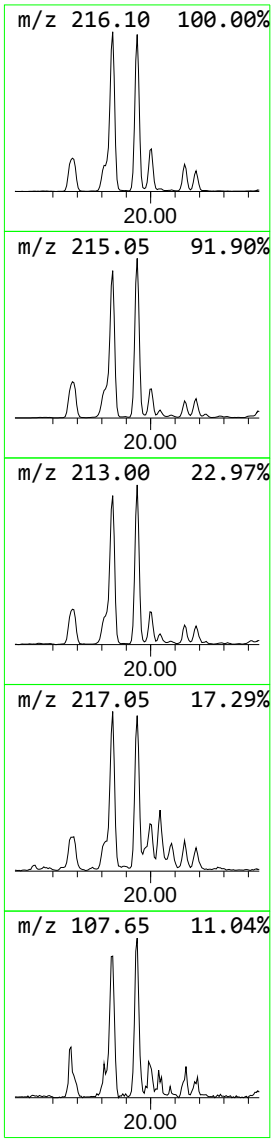
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 11H-Benzo[a]fluorene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.945 | 6.17 ng/ul | 1660440 | Chrysene-d12 | 21.139 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

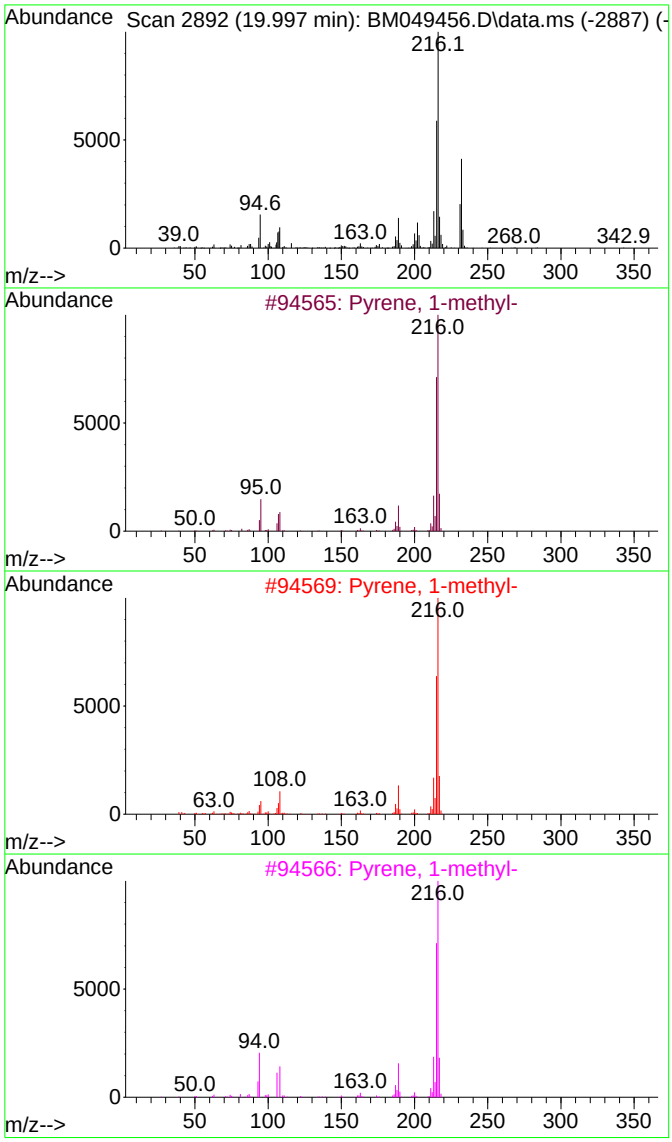
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

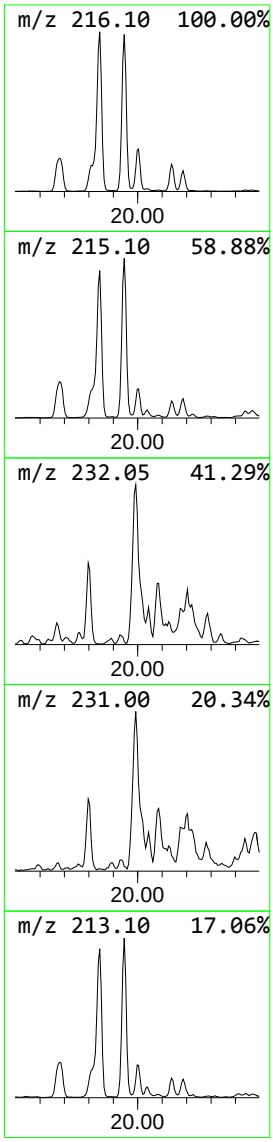
**********

Peak Number 28 Pyrene, 4-methyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.997 | 2.53 ng/ul | 681121 | Chrysene-d12 | 21.139 |

| 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 | 95 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 92 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 91 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION

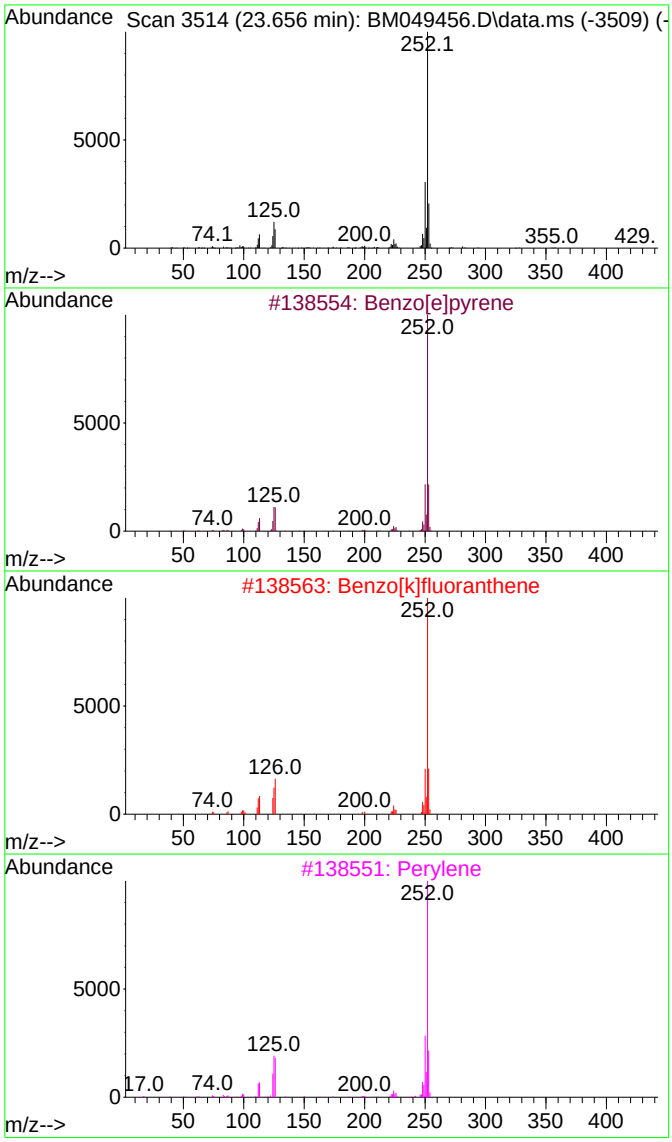
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

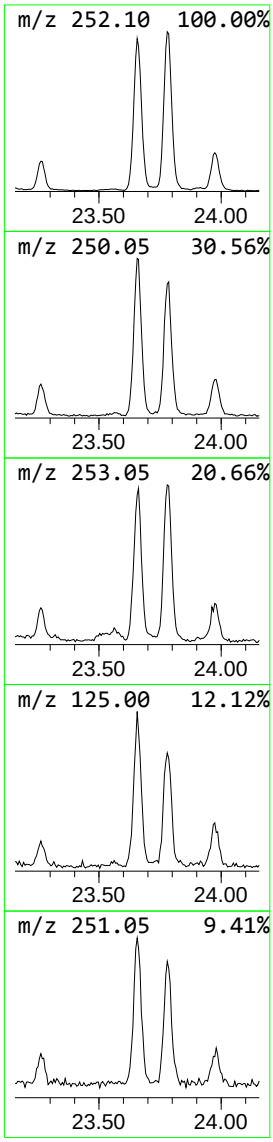
**********

Peak Number 29 Benzo[e]pyrene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.656 | 3.82 ng/ul | 514381 | Perylene-d12 | 23.915 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 97 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012725\
Data File : BM049456.D
Acq On : 27 Jan 2025 20:00
Operator : RC/JU
Sample : Q1139-12ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCZH9ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.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 |
| 1-Isopropenylna... | 14.468 | 2.1 | ng/ul | 188618 | 3 | 14.151 | 1783980 | 20.0 |
| Dibenzo furan | 14.557 | 14.2 | ng/ul | 1266890 | 3 | 14.151 | 1783980 | 20.0 |
| [1,1'-Biphenyl]... | 15.509 | 7.9 | ng/ul | 706783 | 3 | 14.151 | 1783980 | 20.0 |
| 6H-Dibenzo[b,d]... | 15.651 | 6.3 | ng/ul | 627466 | 4 | 16.909 | 2006760 | 20.0 |
| 9H-Fluorene, 1-... | 16.215 | 4.5 | ng/ul | 448730 | 4 | 16.909 | 2006760 | 20.0 |
| (3H)Benzo[c]pyr... | 16.262 | 2.0 | ng/ul | 203695 | 4 | 16.909 | 2006760 | 20.0 |
| 9H-Fluorene, 3-... | 16.362 | 2.0 | ng/ul | 204104 | 4 | 16.909 | 2006760 | 20.0 |
| 3'-Methyl-[1,1'... | 16.486 | 2.0 | ng/ul | 205496 | 4 | 16.909 | 2006760 | 20.0 |
| 4-(4-Methylphen... | 16.657 | 3.8 | ng/ul | 383088 | 4 | 16.909 | 2006760 | 20.0 |
| Dibenzothiophene | 16.721 | 10.6 | ng/ul | 1063040 | 4 | 16.909 | 2006760 | 20.0 |
| Naphthalene, 1-... | 17.433 | 3.3 | ng/ul | 334832 | 4 | 16.909 | 2006760 | 20.0 |
| Dibenzothiophen... | 17.486 | 2.0 | ng/ul | 203244 | 4 | 16.909 | 2006760 | 20.0 |
| Phenanthrene, 2... | 17.780 | 10.9 | ng/ul | 1090390 | 4 | 16.909 | 2006760 | 20.0 |
| Phenanthrene, 1... | 17.827 | 15.8 | ng/ul | 1587300 | 4 | 16.909 | 2006760 | 20.0 |
| Anthracene, 2-m... | 17.909 | 3.1 | ng/ul | 311426 | 4 | 16.909 | 2006760 | 20.0 |
| 4H-Cyclopenta[d... | 17.974 | 32.2 | ng/ul | 3232780 | 4 | 16.909 | 2006760 | 20.0 |
| Naphthalene, 2-... | 18.292 | 8.3 | ng/ul | 832924 | 4 | 16.909 | 2006760 | 20.0 |
| 9,10-Anthracene... | 18.333 | 2.1 | ng/ul | 206200 | 4 | 16.909 | 2006760 | 20.0 |
| Phenanthrene, 2... | 18.715 | 3.1 | ng/ul | 316136 | 4 | 16.909 | 2006760 | 20.0 |
| Benzo[b]naphtho... | 19.527 | 2.7 | ng/ul | 716584 | 5 | 21.139 | 5383860 | 20.0 |
| Pyrene, 1-methyl- | 19.674 | 3.0 | ng/ul | 816836 | 5 | 21.139 | 5383860 | 20.0 |
| 11H-Benzo[b]flu... | 19.845 | 6.6 | ng/ul | 1779660 | 5 | 21.139 | 5383860 | 20.0 |
| 11H-Benzo[a]flu... | 19.945 | 6.2 | ng/ul | 1660440 | 5 | 21.139 | 5383860 | 20.0 |
| Pyrene, 4-methyl- | 19.997 | 2.5 | ng/ul | 681121 | 5 | 21.139 | 5383860 | 20.0 |
| Benzo[e]pyrene | 23.656 | 3.8 | ng/ul | 514381 | 6 | 23.915 | 2692070 | 20.0 |