LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

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-BM081622.M
Title : SVOA CALIBRATION

Signal : TIC: BM036513.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.128 | 21 | 24 | 33 | rVB | 69703 | 105668 | 0.61% | 0.060% |
| 2 | 3.428 | 73 | 75 | 85 | rVB | 30535 | 52705 | 0.31% | 0.030% |
| 3 | 3.557 | 95 | 97 | 111 | rBV | 425082 | 700068 | 4.06% | 0.397% |
| 4 | 3.669 | 112 | 116 | 123 | rVB | 51348 | 71421 | 0.41% | 0.041% |
| 5 | 3.781 | 130 | 135 | 147 | rVB | 84438 | 139071 | 0.81% | 0.079% |
| 6 | 3.881 | 148 | 152 | 156 | rVB | 21308 | 31440 | 0.18% | 0.018% |
| 7 | 4.810 | 305 | 310 | 316 | rBV | 19442 | 31350 | 0.18% | 0.018% |
| 8 | 6.904 | 659 | 666 | 681 | rBV | 1280662 | 2078175 | 12.04% | 1.179% |
| 9 | 7.063 | 687 | 693 | 703 | rVB | 1062824 | 1604536 | 9.30% | 0.910% |
| 10 | 7.251 | 719 | 725 | 736 | rBV | 1275227 | 1995100 | 11.56% | 1.131% |
| 11 | 7.345 | 736 | 741 | 752 | rVB3 | 28769 | 69360 | 0.40% | 0.039% |
| 12 | 7.722 | 798 | 805 | 814 | rBV | 1246608 | 1904183 | 11.03% | 1.080% |
| 13 | 8.445 | 921 | 928 | 944 | rBV | 1487536 | 2417934 | 14.01% | 1.371% |
| 14 | 8.563 | 944 | 948 | 955 | rVB | 28124 | 49272 | 0.29% | 0.028% |
| 15 | 8.892 | 996 | 1004 | 1020 | rBV | 1277434 | 2031350 | 11.77% | 1.152% |
| 16 | 9.028 | 1021 | 1027 | 1030 | rBV2 | 21249 | 36044 | 0.21% | 0.020% |
| 17 | 9.281 | 1063 | 1070 | 1076 | rBV2 | 23705 | 40770 | 0.24% | 0.023% |
| 18 | 9.610 | 1119 | 1126 | 1138 | rBV | 1010647 | 1681769 | 9.74% | 0.954% |
| 19 | 10.151 | 1211 | 1218 | 1235 | rBV | 1551422 | 2573415 | 14.91% | 1.459% |
| 20 | 10.310 | 1238 | 1245 | 1273 | rBV | 1794709 | 3146419 | 18.23% | 1.784% |
| 21 | 10.522 | 1273 | 1281 | 1287 | rBV | 1832879 | 2951499 | 17.10% | 1.674% |
| 22 | 10.569 | 1287 | 1289 | 1295 | rVB | 38368 | 57058 | 0.33% | 0.032% |
| 23 | 10.675 | 1299 | 1307 | 1321 | rBV | 1069362 | 1879544 | 10.89% | 1.066% |
| 24 | 12.116 | 1546 | 1552 | 1558 | rVB | 30716 | 53359 | 0.31% | 0.030% |
| 25 | 12.192 | 1560 | 1565 | 1572 | rVB | 23572 | 35952 | 0.21% | 0.020% |
| 26 | 12.410 | 1596 | 1602 | 1610 | rVB | 22668 | 39009 | 0.23% | 0.022% |
| 27 | 13.127 | 1716 | 1724 | 1729 | rBV | 137810 | 201894 | 1.17% | 0.115% |
| 28 | 13.198 | 1732 | 1736 | 1740 | rVV2 | 41695 | 73586 | 0.43% | 0.042% |
| 29 | 13.239 | 1740 | 1743 | 1745 | rVV3 | 49187 | 69057 | 0.40% | 0.039% |
| 30 | 13.274 | 1745 | 1749 | 1757 | rVV | 284678 | 446251 | 2.59% | 0.253% |
| 31 | 13.686 | 1814 | 1819 | 1826 | rBV2 | 128542 | 203514 | 1.18% | 0.115% |
| 32 | 13.798 | 1831 | 1838 | 1850 | rVB | 2756518 | 3658959 | 21.20% | 2.075% |
| 33 | 14.068 | 1872 | 1884 | 1892 | rBV | 3333662 | 4798861 | 27.80% | 2.722% |
| 34 | 14.274 | 1912 | 1919 | 1922 | rBV | 24817 | 37206 | 0.22% | 0.021% |
| 35 | 14.327 | 1922 | 1928 | 1931 | rBV | 167902 | 236733 | 1.37% | 0.134% |
| 36 | 14.374 | 1931 | 1936 | 1942 | rVV | 2723857 | 3854841 | 22.33% | 2.186% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

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-BM081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 14.439 | 1942 | 1947 | 1957 | rVB | 503329 | 749483 | 4.34% | 0.425% |
| 38 | 14.521 | 1957 | 1961 | 1963 | rBV | 20543 | 31129 | 0.18% | 0.018% |
| 39 | 14.604 | 1968 | 1975 | 1986 | rBV | 1112064 | 1860769 | 10.78% | 1.055% |
| 40 | 14.686 | 1986 | 1989 | 1995 | rVB2 | 45795 | 65411 | 0.38% | 0.037% |
| 41 | 14.774 | 1998 | 2004 | 2008 | rBV | 244352 | 366477 | 2.12% | 0.208% |
| 42 | 14.810 | 2008 | 2010 | 2015 | rVB3 | 62427 | 72563 | 0.42% | 0.041% |
| 43 | 15.168 | 2065 | 2071 | 2075 | rBV2 | 18352 | 41054 | 0.24% | 0.023% |
| 44 | 15.257 | 2082 | 2086 | 2093 | rVB | 330782 | 433789 | 2.51% | 0.246% |
| 45 | 15.368 | 2097 | 2105 | 2110 | rBV | 4423053 | 5891256 | 34.13% | 3.341% |
| 46 | 15.421 | 2110 | 2114 | 2123 | rVB | 517375 | 702650 | 4.07% | 0.398% |
| 47 | 15.504 | 2123 | 2128 | 2133 | rBV | 864165 | 1164135 | 6.74% | 0.660% |
| 48 | 15.586 | 2138 | 2142 | 2147 | rBV3 | 37027 | 54680 | 0.32% | 0.031% |
| 49 | 15.668 | 2153 | 2156 | 2160 | rVB2 | 29342 | 37314 | 0.22% | 0.021% |
| 50 | 15.715 | 2160 | 2164 | 2171 | rVB | 75933 | 116772 | 0.68% | 0.066% |
| 51 | 15.833 | 2179 | 2184 | 2186 | rBV3 | 74902 | 116282 | 0.67% | 0.066% |
| 52 | 15.862 | 2186 | 2189 | 2197 | rVB | 73834 | 133053 | 0.77% | 0.075% |
| 53 | 15.939 | 2197 | 2202 | 2208 | rVB2 | 138152 | 214327 | 1.24% | 0.122% |
| 54 | 16.104 | 2223 | 2230 | 2236 | rBV3 | 72931 | 160461 | 0.93% | 0.091% |
| 55 | 16.268 | 2255 | 2258 | 2264 | rVB6 | 22989 | 38622 | 0.22% | 0.022% |
| 56 | 16.427 | 2274 | 2285 | 2290 | rBV4 | 62808 | 177298 | 1.03% | 0.101% |
| 57 | 16.474 | 2290 | 2293 | 2299 | rVB3 | 35820 | 47201 | 0.27% | 0.027% |
| 58 | 16.627 | 2315 | 2319 | 2321 | rBV5 | 44778 | 64311 | 0.37% | 0.036% |
| 59 | 16.780 | 2341 | 2345 | 2351 | rVB | 174230 | 239494 | 1.39% | 0.136% |
| 60 | 16.851 | 2353 | 2357 | 2358 | rBV3 | 39689 | 53285 | 0.31% | 0.030% |
| 61 | 16.874 | 2358 | 2361 | 2365 | rVV3 | 76944 | 118857 | 0.69% | 0.067% |
| 62 | 16.939 | 2367 | 2372 | 2379 | rVB | 271857 | 397723 | 2.30% | 0.226% |
| 63 | 17.027 | 2383 | 2387 | 2394 | rBV3 | 70805 | 124063 | 0.72% | 0.070% |
| 64 | 17.121 | 2395 | 2403 | 2406 | rVV | 3157979 | 4400853 | 25.50% | 2.496% |
| 65 | 17.162 | 2406 | 2410 | 2415 | rVV | 7347860 | 9843823 | 57.03% | 5.583% |
| 66 | 17.221 | 2415 | 2420 | 2423 | rVV | 4796679 | 6581060 | 38.13% | 3.732% |
| 67 | 17.251 | 2423 | 2425 | 2431 | rVV | 1556262 | 1946511 | 11.28% | 1.104% |
| 68 | 17.321 | 2432 | 2437 | 2445 | rVB | 130957 | 252837 | 1.46% | 0.143% |
| 69 | 17.533 | 2464 | 2473 | 2480 | rBV | 769716 | 1302066 | 7.54% | 0.738% |
| 70 | 17.645 | 2488 | 2492 | 2498 | rVB4 | 107093 | 178030 | 1.03% | 0.101% |
| 71 | 17.798 | 2514 | 2518 | 2522 | rBV | 440540 | 497060 | 2.88% | 0.282% |
| 72 | 17.968 | 2543 | 2547 | 2548 | rBV2 | 130604 | 164338 | 0.95% | 0.093% |
| 73 | 17.992 | 2548 | 2551 | 2554 | rVV | 356772 | 526760 | 3.05% | 0.299% |
| 74 | 18.027 | 2554 | 2557 | 2566 | rVB2 | 761618 | 1653208 | 9.58% | 0.938% |
| 75 | 18.127 | 2571 | 2574 | 2578 | rVV | 187800 | 266885 | 1.55% | 0.151% |
| 76 | 18.192 | 2580 | 2585 | 2589 | rVV2 | 1046181 | 1595740 | 9.25% | 0.905% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

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-BM081622.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 18.227 | 2589 | 2591 | 2596 | rVB | 210989 | 238932 | 1.38% | 0.136% |
| 78 | 18.309 | 2603 | 2605 | 2609 | rBV4 | 70863 | 115061 | 0.67% | 0.065% |
| 79 | 18.451 | 2626 | 2629 | 2633 | rVB2 | 186647 | 203533 | 1.18% | 0.115% |
| 80 | 18.503 | 2634 | 2638 | 2642 | rVV | 385753 | 505546 | 2.93% | 0.287% |
| 81 | 18.545 | 2642 | 2645 | 2650 | rVV | 307717 | 408381 | 2.37% | 0.232% |
| 82 | 18.974 | 2715 | 2718 | 2722 | rVB2 | 1035462 | 1137257 | 6.59% | 0.645% |
| 83 | 19.109 | 2739 | 2741 | 2746 | rVB | 196380 | 202338 | 1.17% | 0.115% |
| 84 | 19.186 | 2748 | 2754 | 2762 | rVB | 13162263 | 17260318 | 100.00% | 9.789% |
| 85 | 19.521 | 2805 | 2811 | 2813 | rBV2 | 7023778 | 9998933 | 57.93% | 5.671% |
| 86 | 19.550 | 2813 | 2816 | 2823 | rVB | 11086058 | 13717434 | 79.47% | 7.780% |
| 87 | 19.727 | 2843 | 2846 | 2850 | rVB | 436630 | 484868 | 2.81% | 0.275% |
| 88 | 19.792 | 2854 | 2857 | 2862 | rVB | 390236 | 509741 | 2.95% | 0.289% |
| 89 | 20.045 | 2897 | 2900 | 2906 | rVB2 | 1086037 | 1358512 | 7.87% | 0.770% |
| 90 | 20.145 | 2913 | 2917 | 2921 | rBV | 1039390 | 1255615 | 7.27% | 0.712% |
| 91 | 20.997 | 3059 | 3062 | 3064 | rBV | 552651 | 598245 | 3.47% | 0.339% |
| 92 | 21.033 | 3064 | 3068 | 3074 | rBV2 | 1893754 | 2931847 | 16.99% | 1.663% |
| 93 | 21.303 | 3109 | 3114 | 3119 | rBV3 | 6114179 | 11886197 | 68.86% | 6.741% |
| 94 | 21.350 | 3119 | 3122 | 3132 | rVB | 4643765 | 5663540 | 32.81% | 3.212% |
| 95 | 21.462 | 3138 | 3141 | 3146 | rBV | 1495980 | 1806083 | 10.46% | 1.024% |
| 96 | 22.909 | 3382 | 3387 | 3392 | rBV | 3747948 | 7787691 | 45.12% | 4.417% |
| 97 | 23.409 | 3467 | 3472 | 3476 | rBV | 1752687 | 3011901 | 17.45% | 1.708% |
| 98 | 23.462 | 3476 | 3481 | 3485 | rVV2 | 2581229 | 4914689 | 28.47% | 2.787% |
| 99 | 23.509 | 3485 | 3489 | 3495 | rVB | 3386225 | 5703708 | 33.05% | 3.235% |
| 100 | 23.609 | 3501 | 3506 | 3510 | rVB2 | 1639817 | 2585091 | 14.98% | 1.466% |

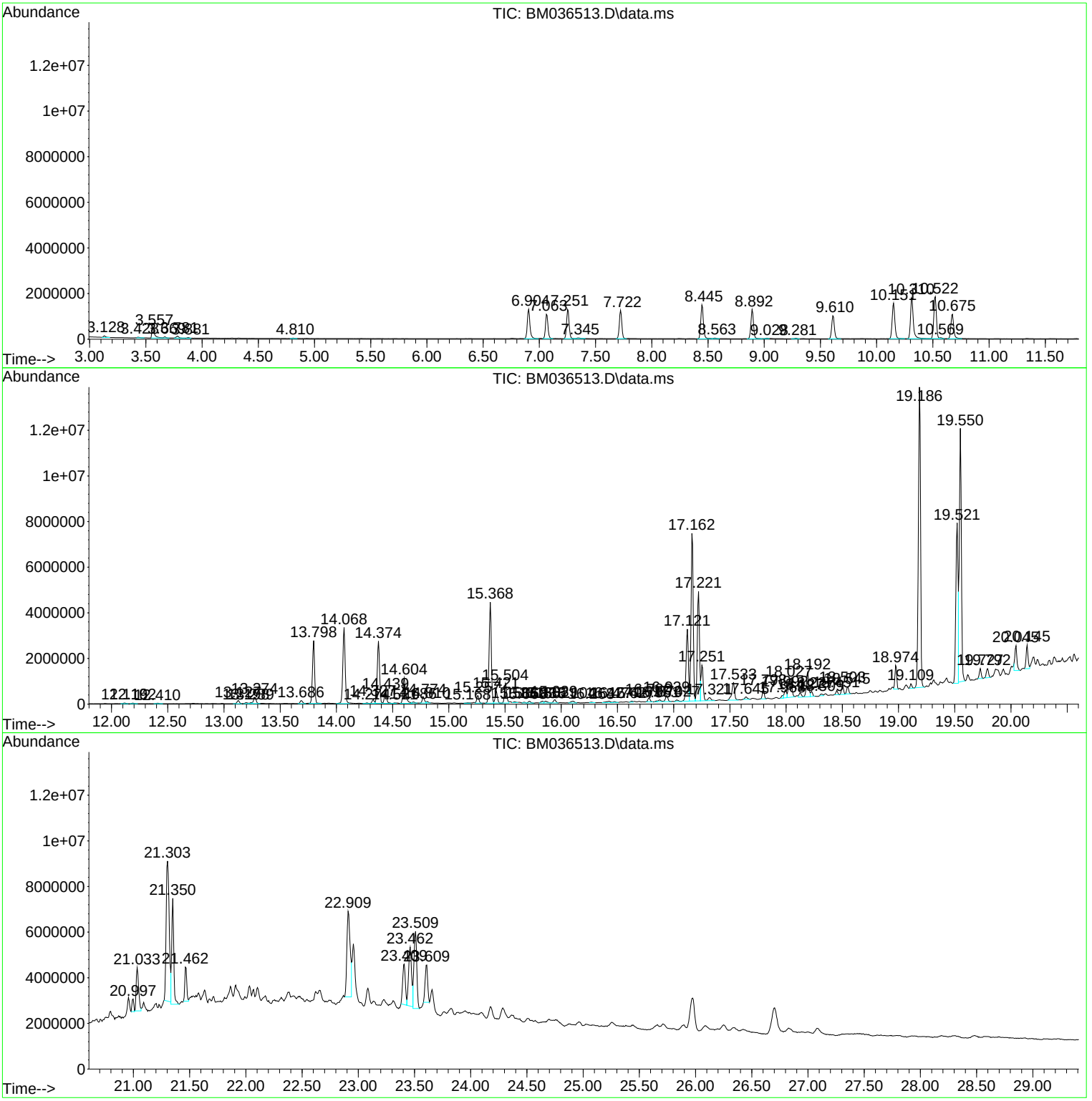
Sum of corrected areas: 176324464

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

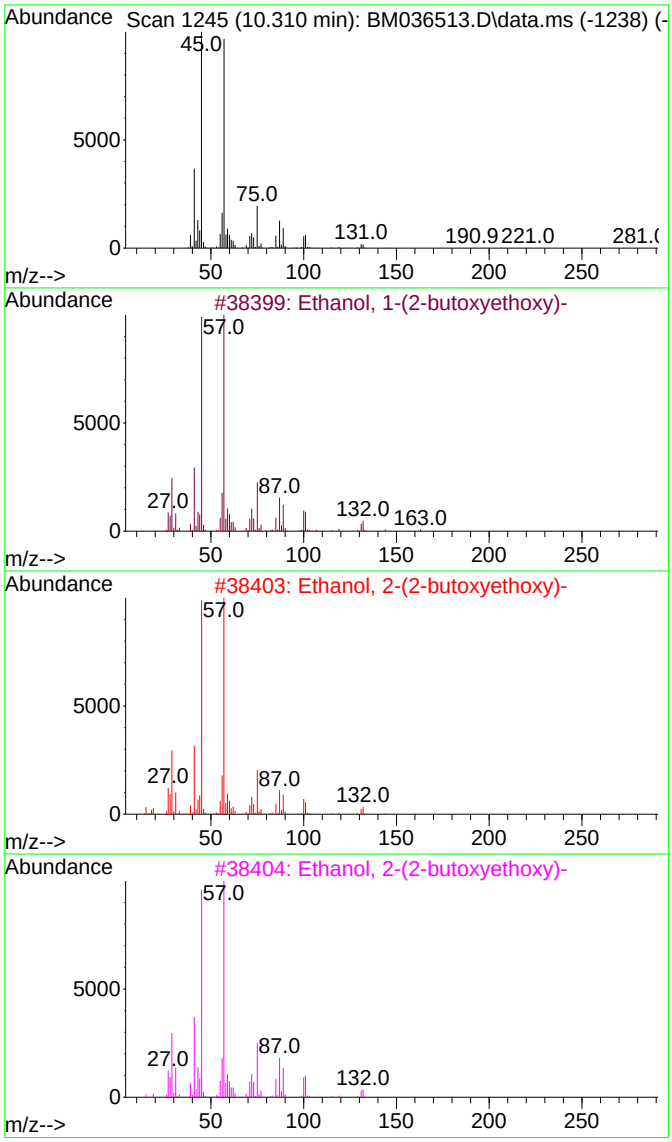
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

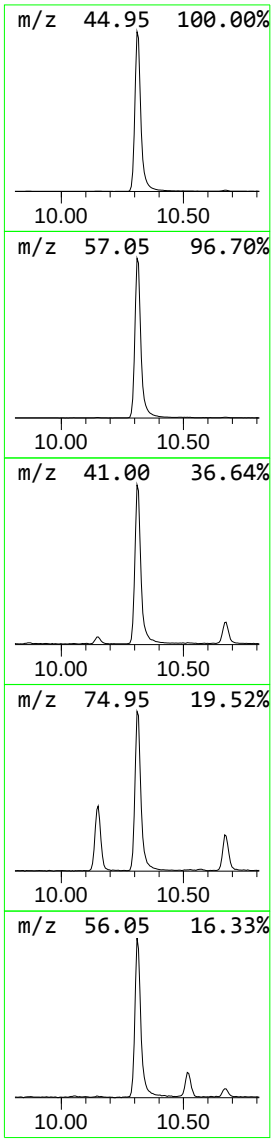
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.310 | 21.32 ng/ul | 3146420 | Naphthalene-d8 | 10.522 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 90 |
| 2 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 3 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 4 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 5 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

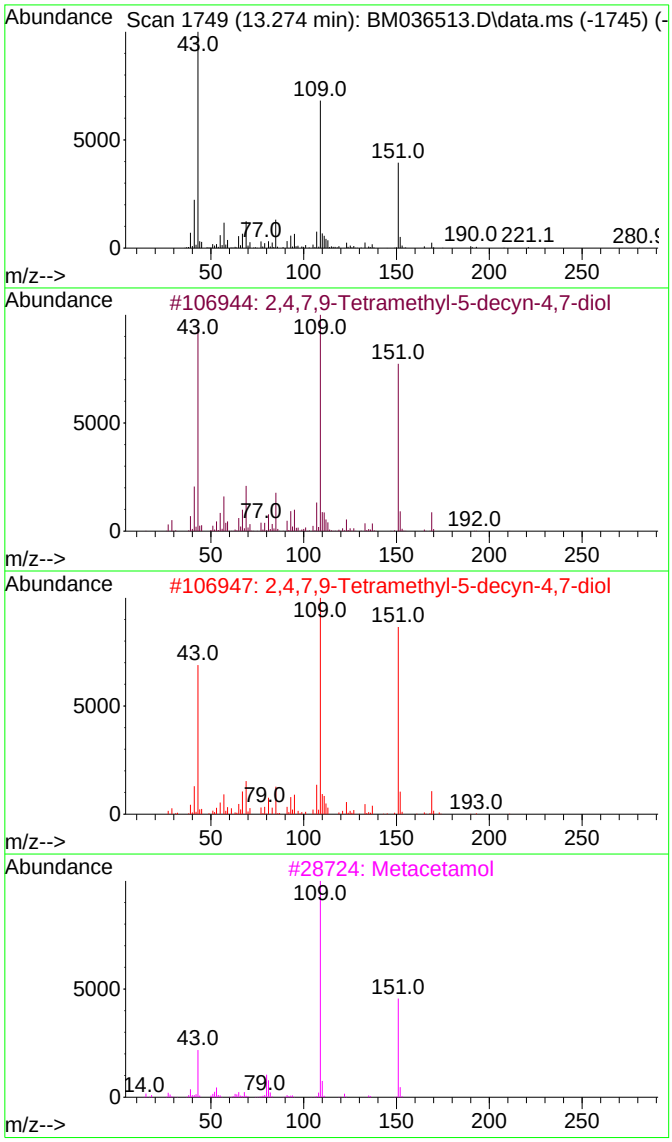
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

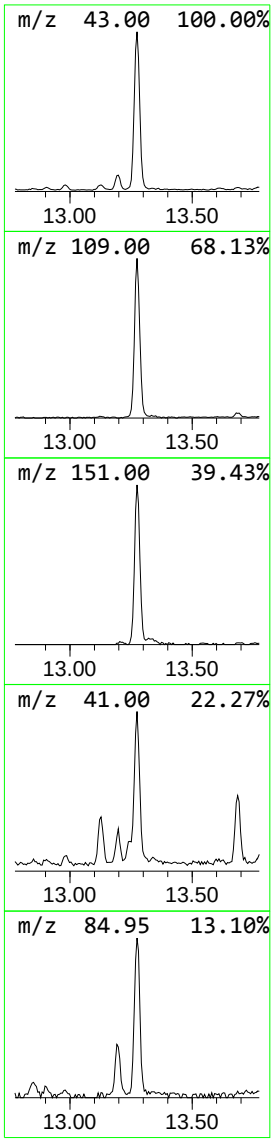
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.274 | 2.32 ng/ul | 446251 | Acenaphthene-d10 | 14.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 91 |
| 2 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 59 |
| 3 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 53 |
| 4 | Pyridine, 2-butyl-, 1-oxide | 151 | C9H13NO | 031396-32-4 | 53 |
| 5 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

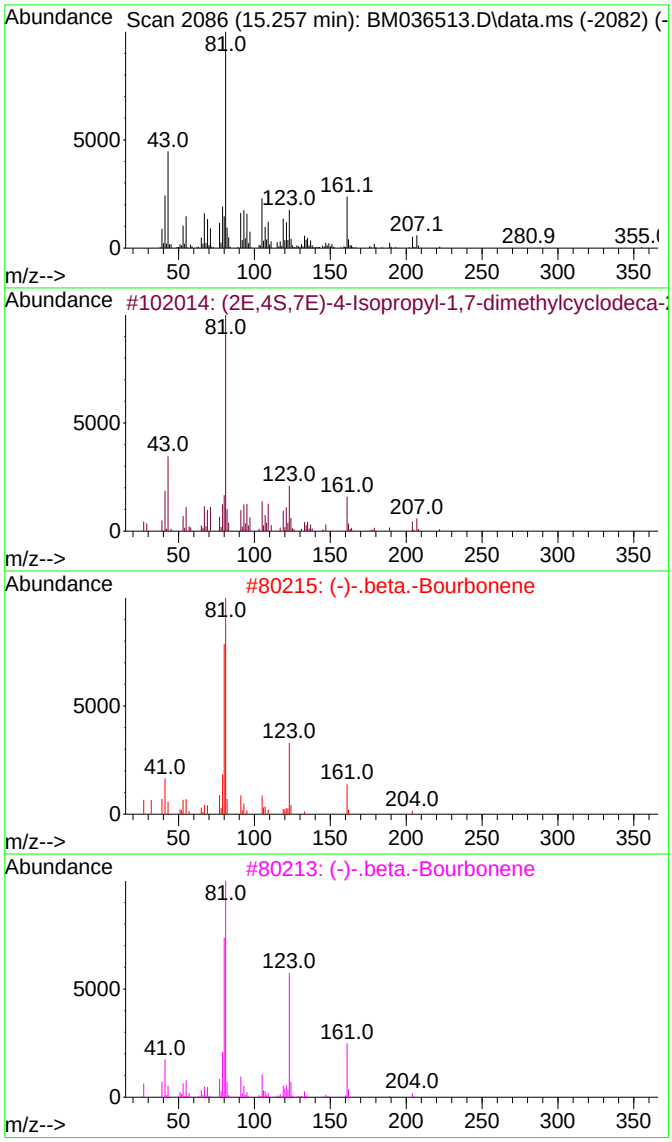
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

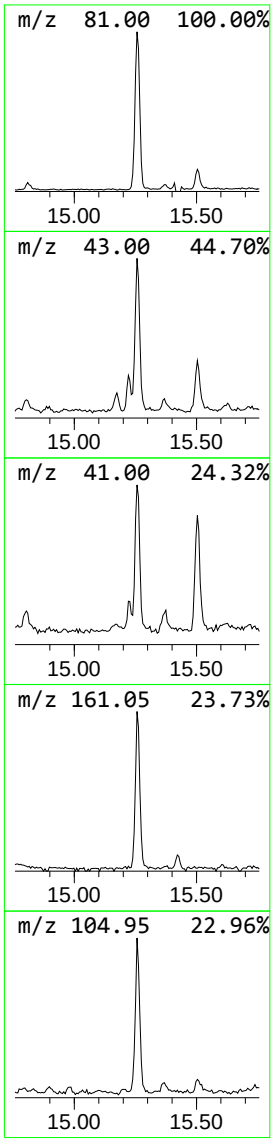
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (2E,4S,7E)-4-Isopropyl-1,7-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.257 | 2.25 ng/ul | 433789 | Acenaphthene-d10 | 14.374 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (2E,4S,7E)-4-Isopropyl-1,7-dimet... | 222 | C15H26O | 198991-79-6 | 98 |
| 2 | (-)-.beta.-Bourbonene | 204 | C15H24 | 005208-59-3 | 47 |
| 3 | (-)-.beta.-Bourbonene | 204 | C15H24 | 005208-59-3 | 47 |
| 4 | Cyclohexane, 1,4-dibromo- | 240 | C6H10Br2 | 035076-92-7 | 43 |
| 5 | (2E,4S,7E)-4-Isopropyl-1,7-dimet... | 222 | C15H26O | 198991-79-6 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

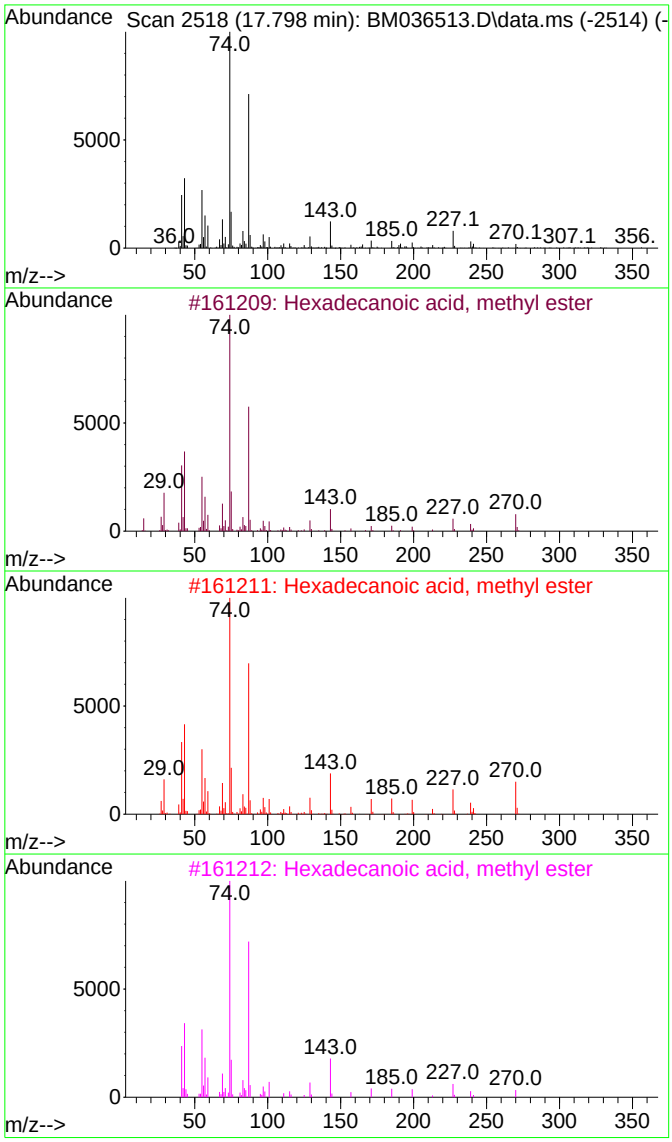
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

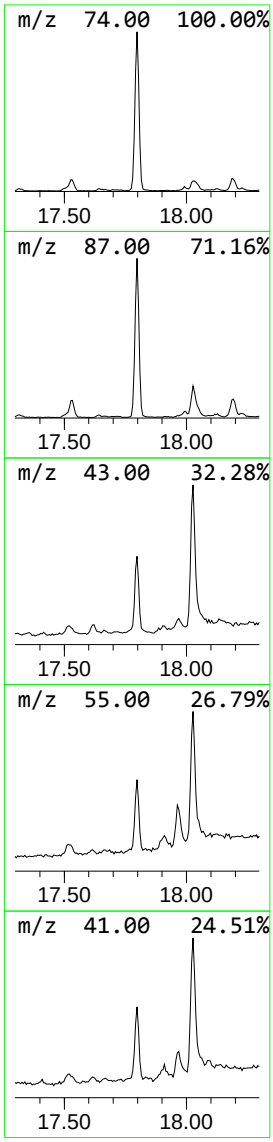
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.798 | 2.26 ng/ul | 497060 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 97 |
| 2 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 96 |
| 3 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 94 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 94 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

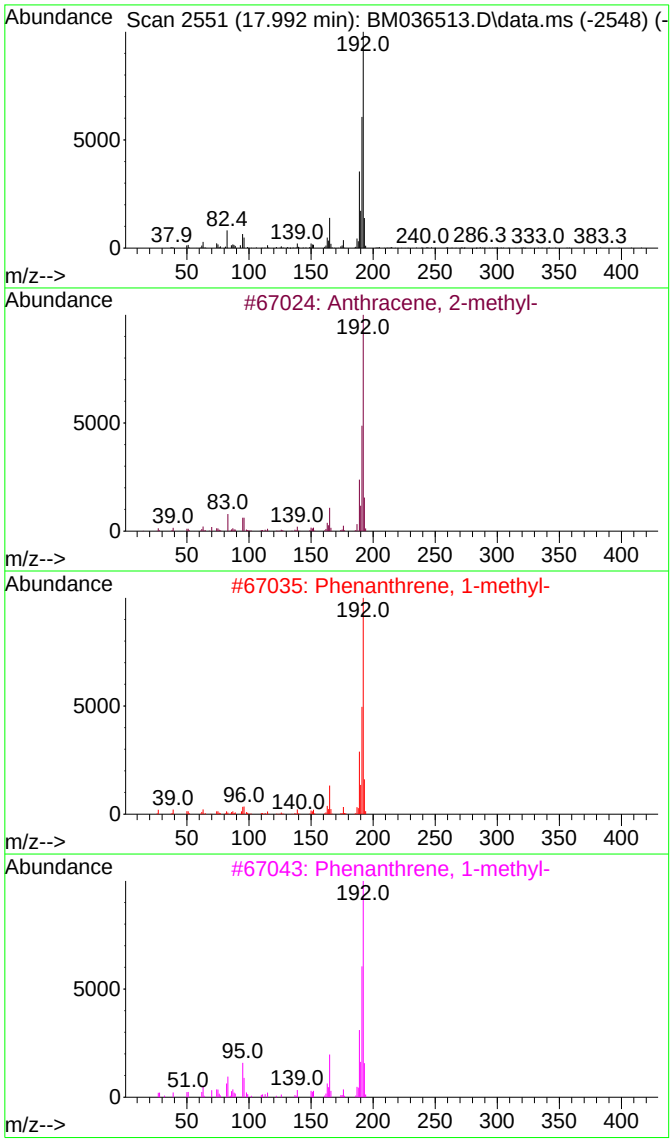
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

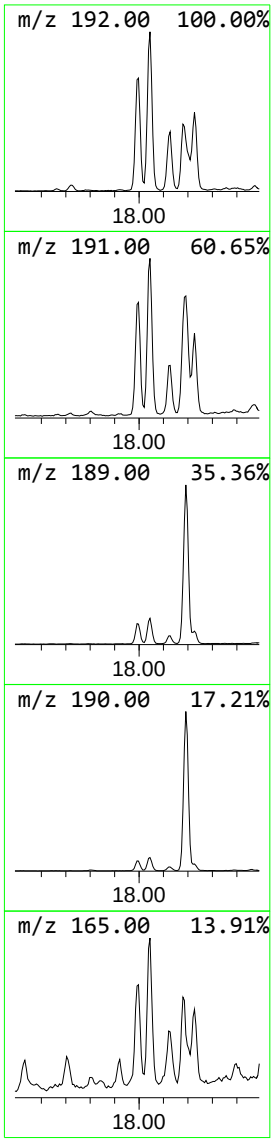
**********

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.992 | 2.39 ng/ul | 526760 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 94 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

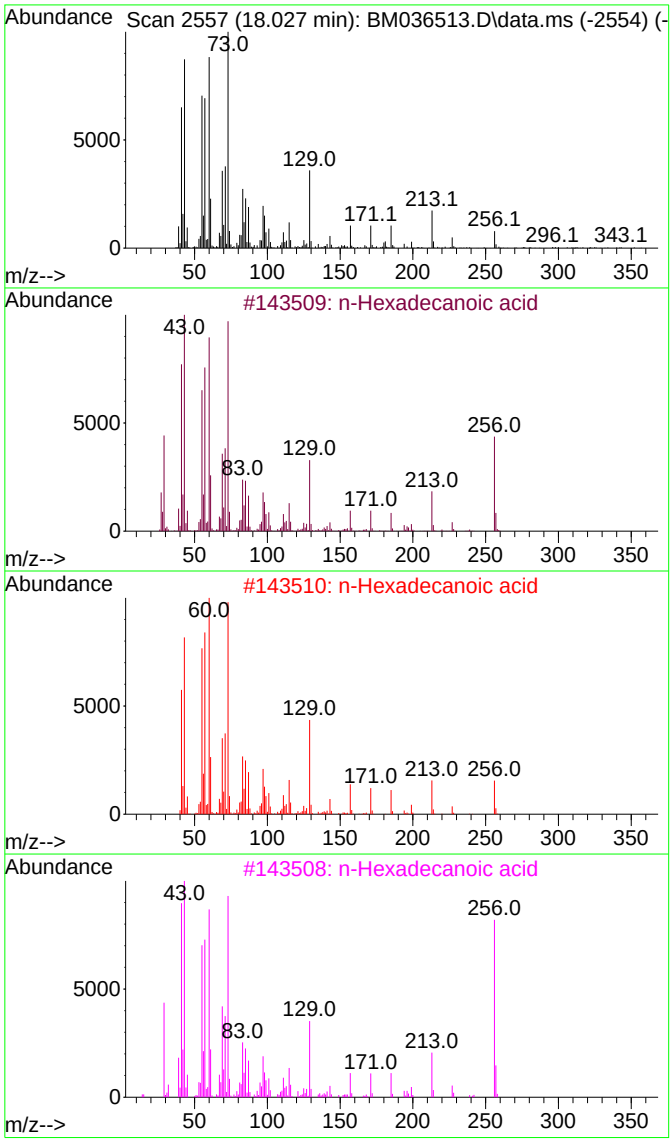
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

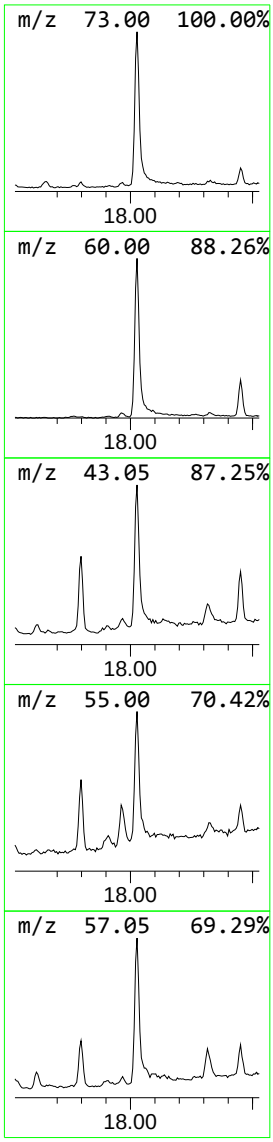
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.027 | 7.51 ng/ul | 1653210 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

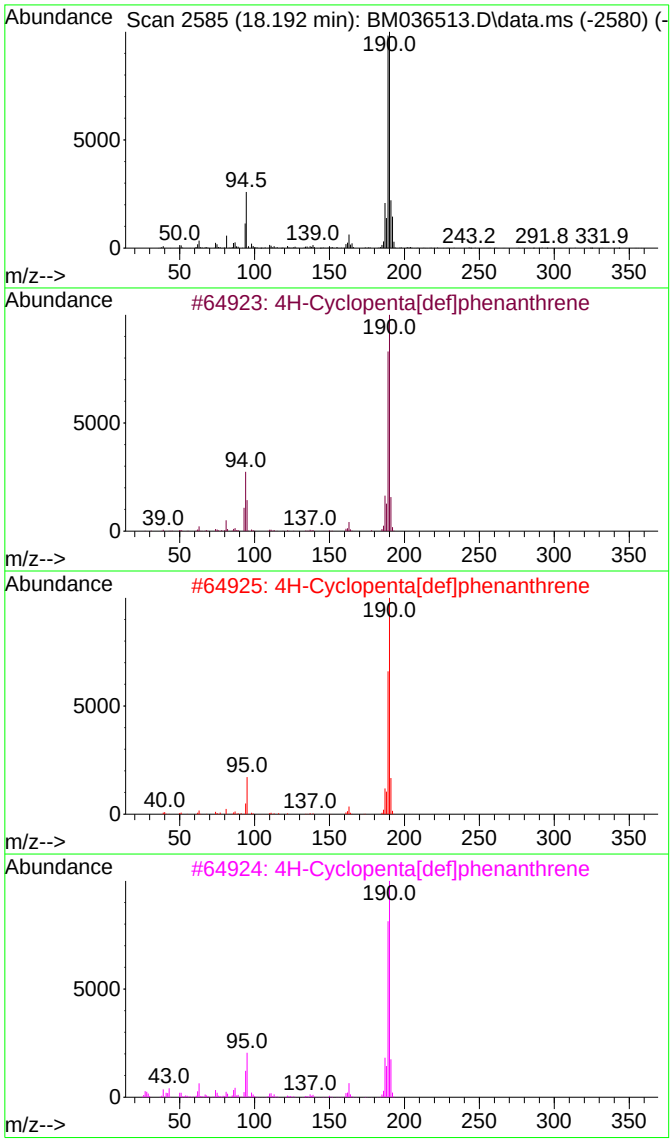
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

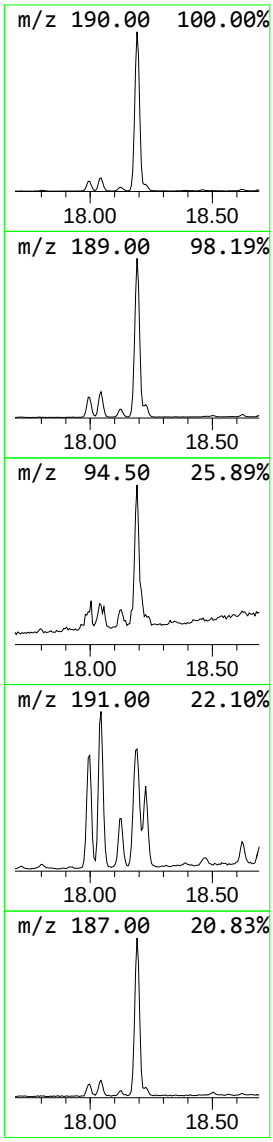
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.192 | 7.25 ng/ul | 1595740 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 96 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 83 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 5 | Phenol, 4-(2-thienylmethyl)- | 190 | C11H10OS | 091680-55-6 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

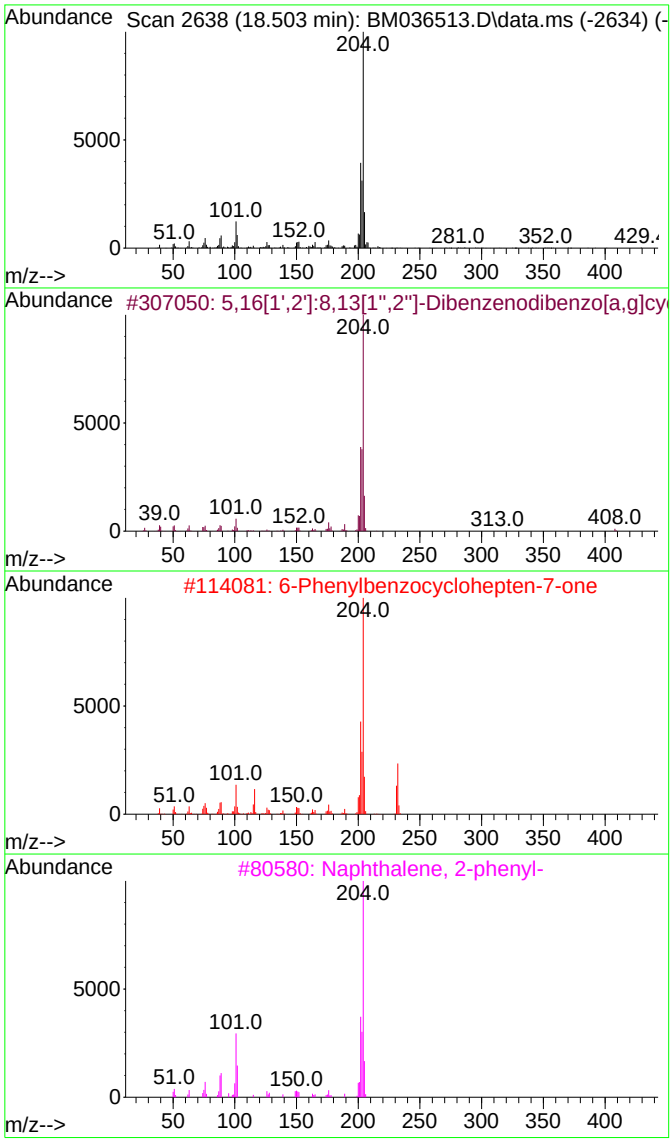
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

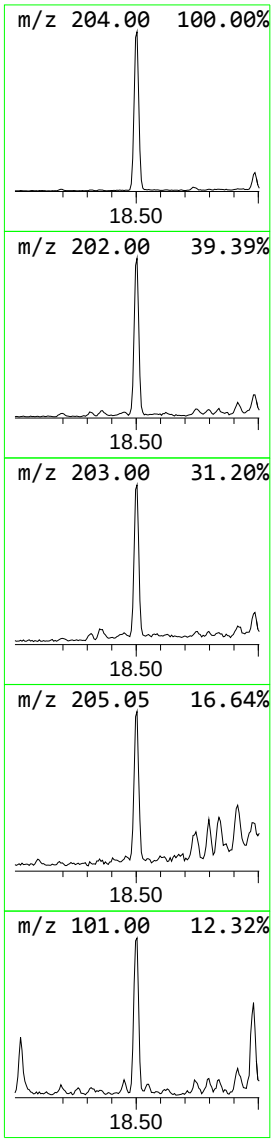
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.503 | 2.30 ng/ul | 505546 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 91 |
| 2 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 90 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

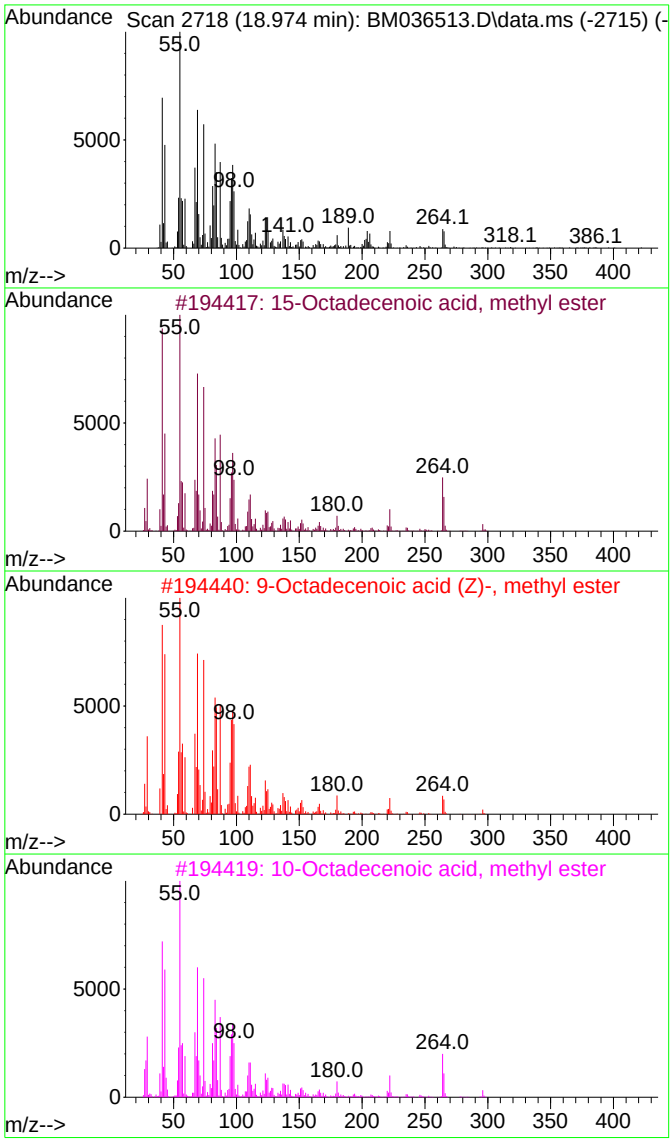
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

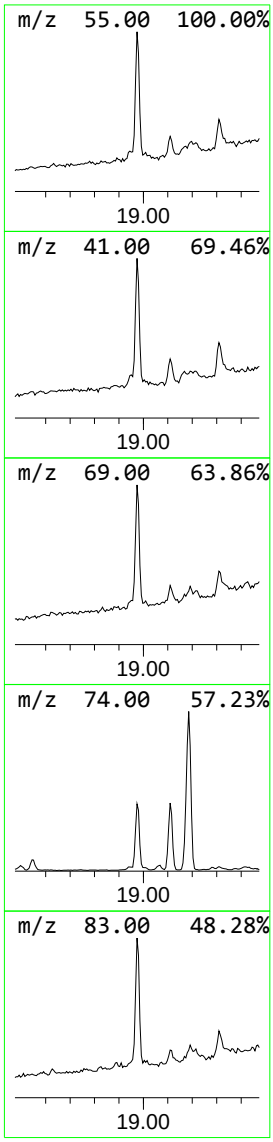
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 15-Octadecenoic acid, methy... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.974 | 5.17 ng/ul | 1137260 | Phenanthrene-d10 | 17.121 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 95 |
| 2 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 94 |
| 3 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 94 |
| 4 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 94 |
| 5 | 8-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002345-29-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

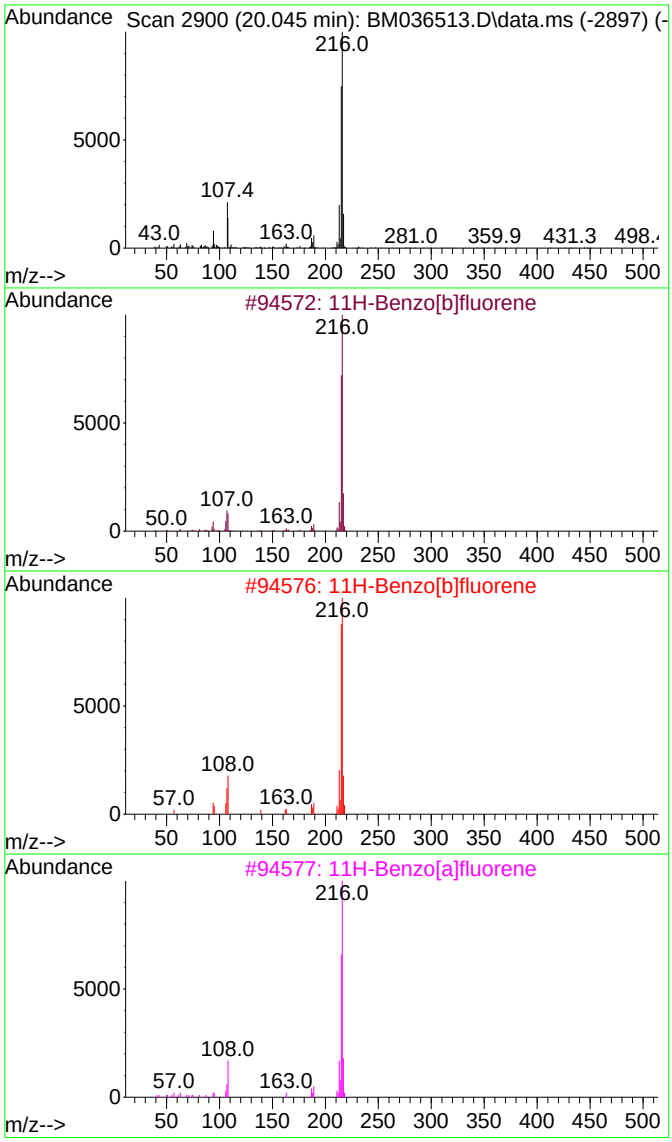
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

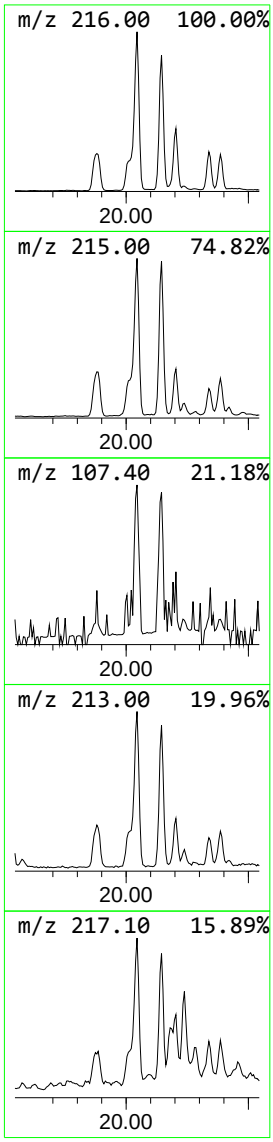
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.044 | 2.29 ng/ul | 1358510 | Chrysene-d12 | 21.315 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 87 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

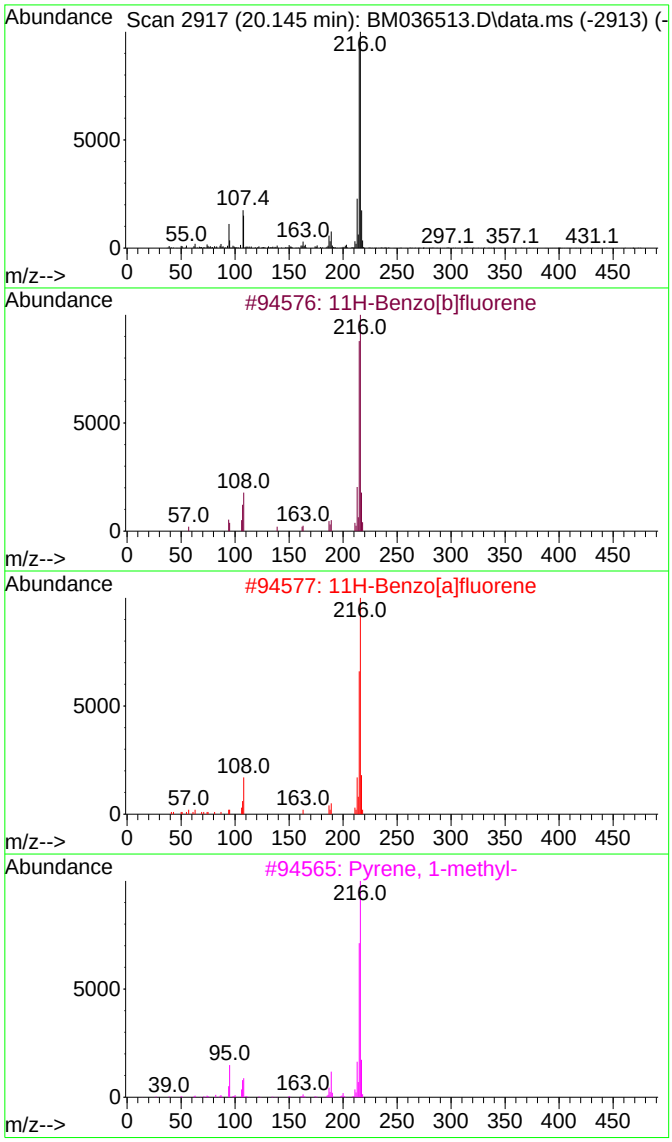
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

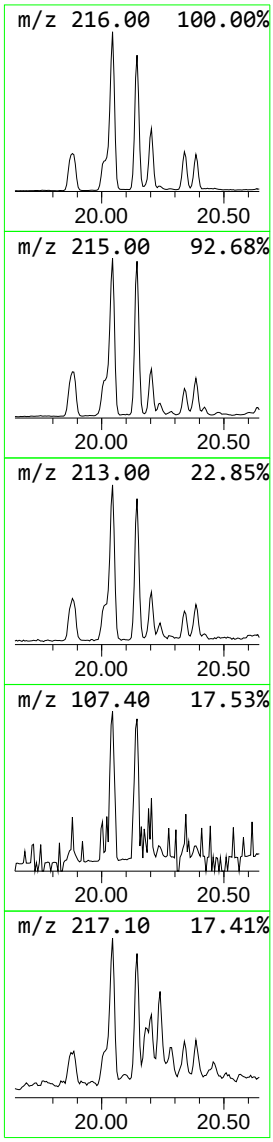
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.145 | 2.11 ng/ul | 1255620 | Chrysene-d12 | 21.315 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

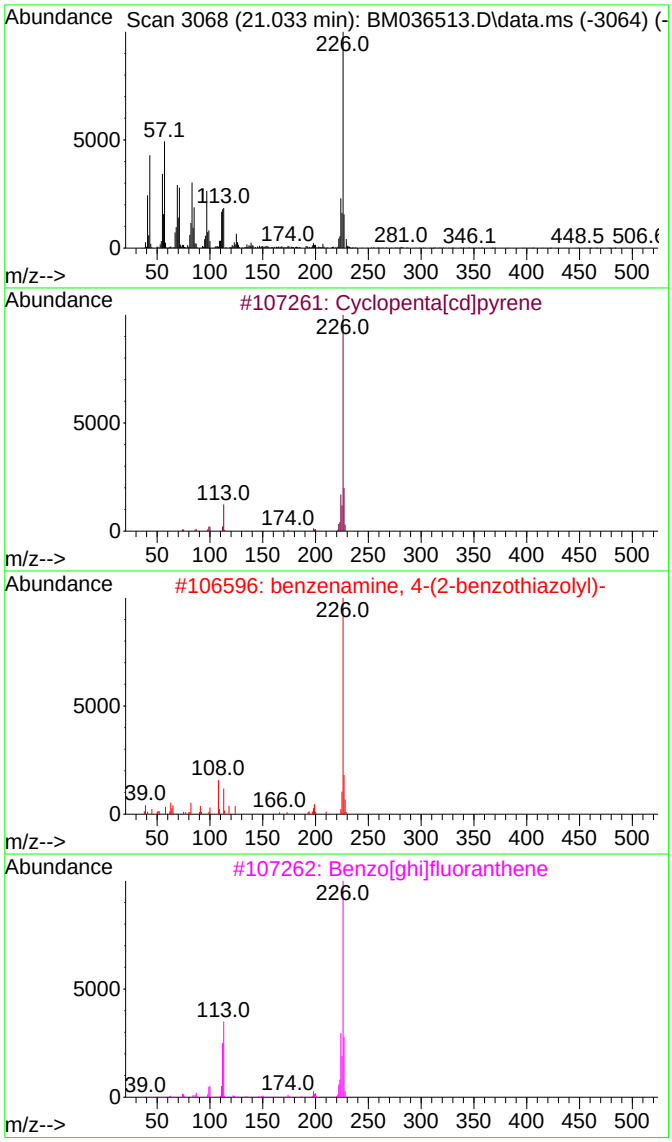
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

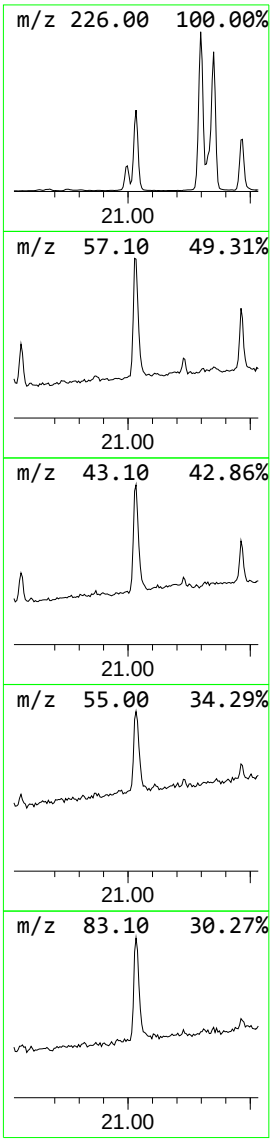
**********

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.033 | 4.93 ng/ul | 2931850 | Chrysene-d12 | 21.315 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 53 |
| 2 | benzenamine, 4-(2-benzothiazolyl)- | 226 | C13H10N2S | 1000400-93-4 | 47 |
| 3 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 47 |
| 4 | p-Anisaldehyde phenylhydrazone | 226 | C14H14N2O | 000622-73-1 | 46 |
| 5 | Diheptylisobutylamine | 269 | C18H39N | 1000310-32-0 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

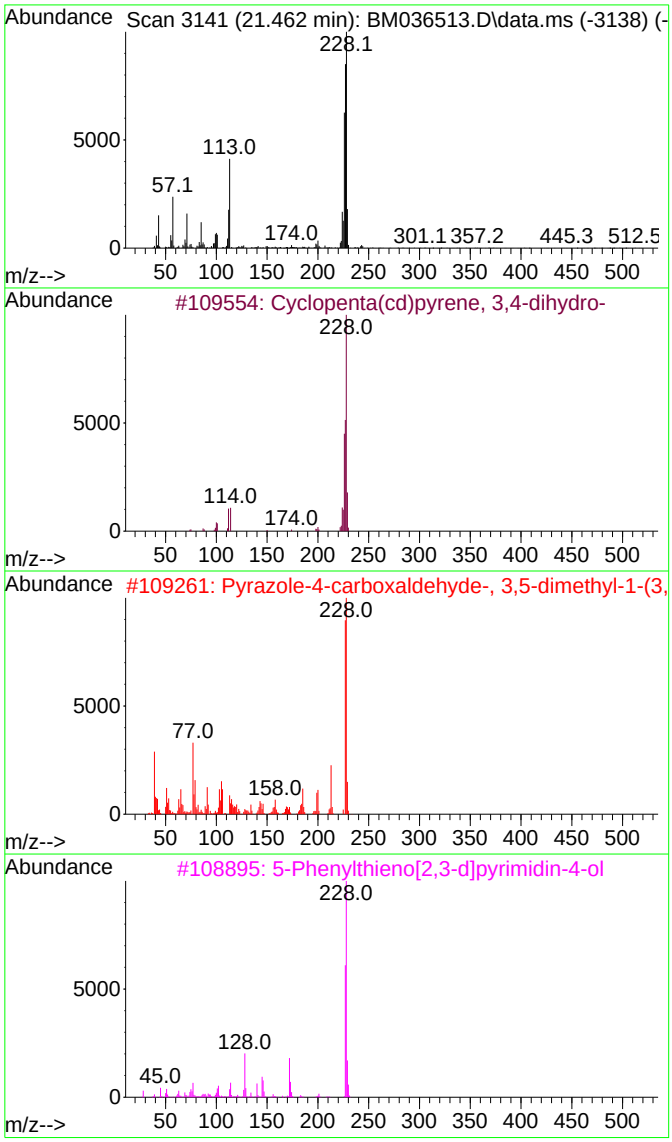
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

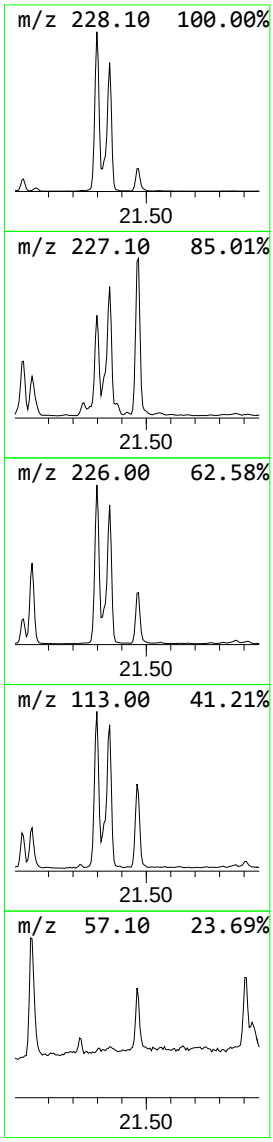
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.462 | 3.04 ng/ul | 1806080 | Chrysene-d12 | 21.315 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 50 |
| 2 | Pyrazole-4-carboxaldehyde-, 3,5-... | 228 | C14H16N2O | 1000272-54-8 | 43 |
| 3 | 5-Phenylthieno[2,3-d]pyrimidin-4-ol | 228 | C12H8N2OS | 035978-39-3 | 43 |
| 4 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 38 |
| 5 | 4-(3,4-Dihydro-2H-quinolin-1-yl)... | 227 | C12H13N5 | 1000409-41-0 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION

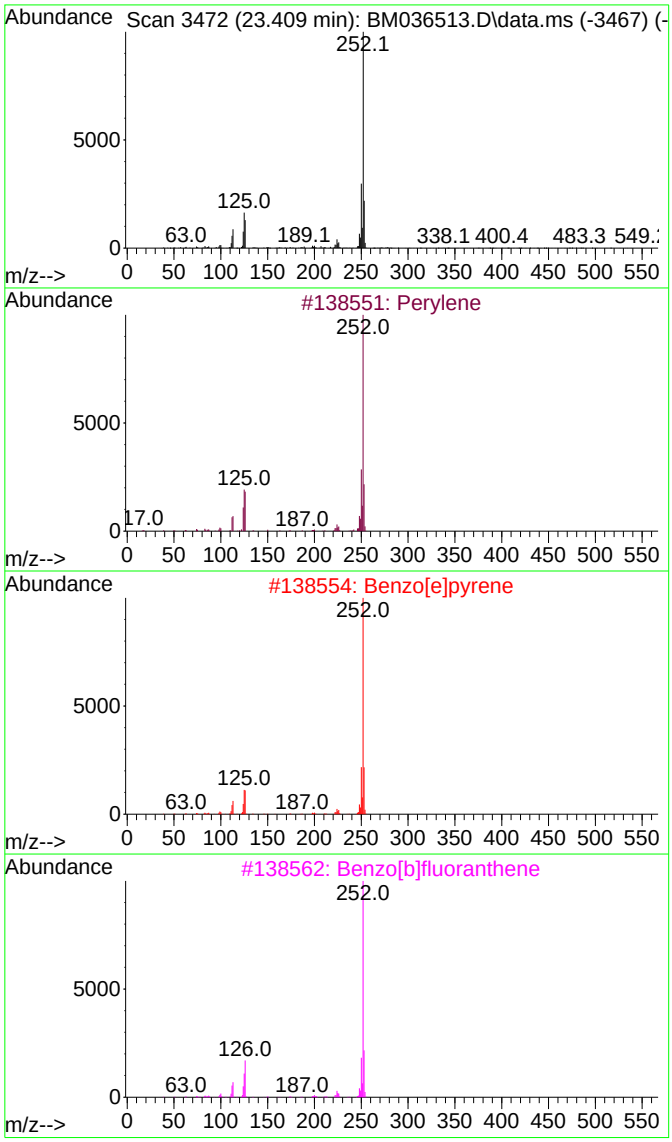
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

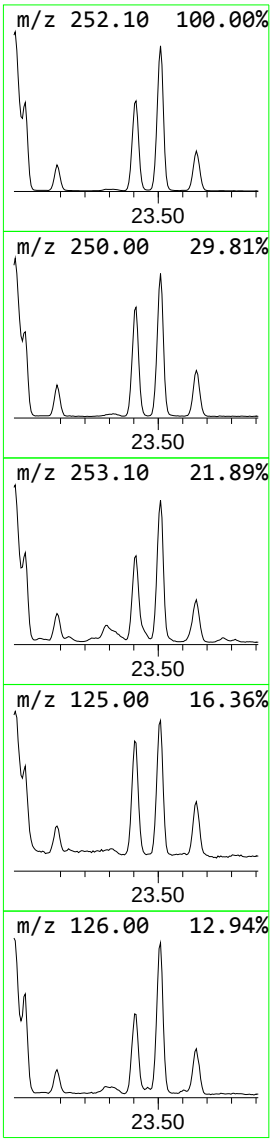
**********

Peak Number 14 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.409 | 23.30 ng/ul | 3011900 | Perylene-d12 | 23.609 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 99 |
| 2 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 98 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 97 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 97 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090822\
Data File : BM036513.D
Acq On : 07 Sep 2022 17:37
Operator : CG/JU
Sample : N4483-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW357

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.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 |
| Ethanol, 1-(2-b... | 10.310 | 21.3 | ng/ul | 3146420 | 2 | 10.522 | 2951500 | 20.0 |
| 2,4,7,9-Tetrame... | 13.274 | 2.3 | ng/ul | 446251 | 3 | 14.374 | 3854840 | 20.0 |
| (2E,4S,7E)-4-Is... | 15.257 | 2.3 | ng/ul | 433789 | 3 | 14.374 | 3854840 | 20.0 |
| Hexadecanoic ac... | 17.798 | 2.3 | ng/ul | 497060 | 4 | 17.121 | 4400850 | 20.0 |
| Anthracene, 2-m... | 17.992 | 2.4 | ng/ul | 526760 | 4 | 17.121 | 4400850 | 20.0 |
| n-Hexadecanoic ... | 18.027 | 7.5 | ng/ul | 1653210 | 4 | 17.121 | 4400850 | 20.0 |
| 4H-Cyclopenta[d... | 18.192 | 7.3 | ng/ul | 1595740 | 4 | 17.121 | 4400850 | 20.0 |
| 5,16[1',2']:8,1... | 18.503 | 2.3 | ng/ul | 505546 | 4 | 17.121 | 4400850 | 20.0 |
| 15-Octadecenoic... | 18.974 | 5.2 | ng/ul | 1137260 | 4 | 17.121 | 4400850 | 20.0 |
| 11H-Benzo[b]flu... | 20.044 | 2.3 | ng/ul | 1358510 | 5 | 21.315 | 11886200 | 20.0 |
| 11H-Benzo[a]flu... | 20.145 | 2.1 | ng/ul | 1255620 | 5 | 21.315 | 11886200 | 20.0 |
| Cyclopenta[cd]p... | 21.033 | 4.9 | ng/ul | 2931850 | 5 | 21.315 | 11886200 | 20.0 |
| Cyclopenta(cd)p... | 21.462 | 3.0 | ng/ul | 1806080 | 5 | 21.315 | 11886200 | 20.0 |
| Perylene | 23.409 | 23.3 | ng/ul | 3011900 | 6 | 23.609 | 2585090 | 20.0 |