LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** F-1(5.0-6.0)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061193.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.070 | 10 | 14 | 21 | rVV4 | 10352 | 18434 | 1.18% | 0.112% |
| 2 | 3.146 | 22 | 27 | 41 | rVB | 224522 | 341702 | 21.89% | 2.068% |
| 3 | 3.669 | 110 | 116 | 121 | rBV | 17280 | 27468 | 1.76% | 0.166% |
| 4 | 5.520 | 425 | 431 | 439 | rBV | 416752 | 657230 | 42.10% | 3.977% |
| 5 | 7.106 | 693 | 701 | 711 | rBV | 427416 | 733189 | 46.96% | 4.437% |
| 6 | 7.929 | 835 | 841 | 848 | rBV | 113205 | 181491 | 11.63% | 1.098% |
| 7 | 9.081 | 1029 | 1037 | 1046 | rBV | 245476 | 437789 | 28.04% | 2.649% |
| 8 | 10.491 | 1271 | 1277 | 1290 | rBV | 22051 | 41361 | 2.65% | 0.250% |
| 9 | 10.720 | 1309 | 1316 | 1323 | rBV | 134983 | 243865 | 15.62% | 1.476% |
| 10 | 13.176 | 1726 | 1734 | 1741 | rBV | 636035 | 988574 | 63.32% | 5.982% |
| 11 | 14.557 | 1959 | 1969 | 1976 | rBV | 232578 | 373198 | 23.90% | 2.258% |
| 12 | 14.621 | 1976 | 1980 | 1984 | rVV | 20375 | 27986 | 1.79% | 0.169% |
| 13 | 14.762 | 1999 | 2004 | 2005 | rBV4 | 11665 | 17715 | 1.13% | 0.107% |
| 14 | 14.956 | 2032 | 2037 | 2042 | rBV2 | 13833 | 23725 | 1.52% | 0.144% |
| 15 | 15.602 | 2142 | 2147 | 2152 | rBV3 | 28979 | 42502 | 2.72% | 0.257% |
| 16 | 15.902 | 2193 | 2198 | 2204 | rVB5 | 9164 | 17376 | 1.11% | 0.105% |
| 17 | 16.049 | 2217 | 2223 | 2232 | rBV | 618308 | 932088 | 59.70% | 5.640% |
| 18 | 16.284 | 2254 | 2263 | 2269 | rVB | 12774 | 31145 | 1.99% | 0.188% |
| 19 | 16.607 | 2310 | 2318 | 2322 | rBV4 | 14393 | 30073 | 1.93% | 0.182% |
| 20 | 17.124 | 2401 | 2406 | 2410 | rBV | 24323 | 36684 | 2.35% | 0.222% |
| 21 | 17.306 | 2430 | 2437 | 2440 | rBV | 288866 | 449058 | 28.76% | 2.717% |
| 22 | 17.347 | 2440 | 2444 | 2450 | rVB | 343223 | 500264 | 32.04% | 3.027% |
| 23 | 17.435 | 2455 | 2459 | 2464 | rVB | 93670 | 136504 | 8.74% | 0.826% |
| 24 | 17.494 | 2464 | 2469 | 2473 | rBV4 | 19630 | 30635 | 1.96% | 0.185% |
| 25 | 17.706 | 2498 | 2505 | 2512 | rBV5 | 22180 | 52869 | 3.39% | 0.320% |
| 26 | 17.823 | 2519 | 2525 | 2528 | rBV6 | 11317 | 22771 | 1.46% | 0.138% |
| 27 | 17.888 | 2531 | 2536 | 2543 | rVB4 | 19054 | 34918 | 2.24% | 0.211% |
| 28 | 18.182 | 2581 | 2586 | 2588 | rBV | 73765 | 107011 | 6.85% | 0.648% |
| 29 | 18.229 | 2591 | 2594 | 2601 | rVB | 101477 | 150398 | 9.63% | 0.910% |
| 30 | 18.311 | 2603 | 2608 | 2614 | rVV | 37717 | 60997 | 3.91% | 0.369% |
| 31 | 18.376 | 2614 | 2619 | 2623 | rVV2 | 108433 | 208555 | 13.36% | 1.262% |
| 32 | 18.411 | 2623 | 2625 | 2631 | rVB | 47416 | 65205 | 4.18% | 0.395% |
| 33 | 18.499 | 2636 | 2640 | 2642 | rBV5 | 13235 | 19641 | 1.26% | 0.119% |
| 34 | 18.575 | 2649 | 2653 | 2658 | rBV8 | 16552 | 23849 | 1.53% | 0.144% |
| 35 | 18.681 | 2666 | 2671 | 2675 | rBV | 49928 | 70047 | 4.49% | 0.424% |
| 36 | 18.722 | 2675 | 2678 | 2684 | rVB3 | 21136 | 32068 | 2.05% | 0.194% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18.898 | 2703 | 2708 | 2709 | rBV5 | 13196 | 17891 | 1.15% | 0.108% |
| 38 | 18.928 | 2709 | 2713 | 2717 | rVB2 | 26256 | 37000 | 2.37% | 0.224% |
| 39 | 18.975 | 2717 | 2721 | 2725 | rBV | 29936 | 44429 | 2.85% | 0.269% |
| 40 | 19.016 | 2725 | 2728 | 2732 | rVB2 | 32085 | 38943 | 2.49% | 0.236% |
| 41 | 19.098 | 2732 | 2742 | 2745 | rBV | 71920 | 139062 | 8.91% | 0.841% |
| 42 | 19.239 | 2762 | 2766 | 2773 | rBV6 | 32685 | 63874 | 4.09% | 0.387% |
| 43 | 19.363 | 2781 | 2787 | 2792 | rBV | 738616 | 1018195 | 65.22% | 6.161% |
| 44 | 19.416 | 2792 | 2796 | 2801 | rVB3 | 70507 | 94519 | 6.05% | 0.572% |
| 45 | 19.457 | 2801 | 2803 | 2805 | rBV3 | 18179 | 20925 | 1.34% | 0.127% |
| 46 | 19.604 | 2824 | 2828 | 2832 | rBV | 47876 | 68969 | 4.42% | 0.417% |
| 47 | 19.721 | 2838 | 2848 | 2856 | rBV | 555292 | 1050081 | 67.26% | 6.354% |
| 48 | 19.797 | 2857 | 2861 | 2866 | rBV3 | 41170 | 62370 | 3.99% | 0.377% |
| 49 | 19.927 | 2877 | 2883 | 2888 | rBV | 1186944 | 1561204 | 100.00% | 9.447% |
| 50 | 20.050 | 2898 | 2904 | 2910 | rBV3 | 47289 | 126146 | 8.08% | 0.763% |
| 51 | 20.138 | 2916 | 2919 | 2921 | rBV4 | 21059 | 27654 | 1.77% | 0.167% |
| 52 | 20.215 | 2929 | 2932 | 2938 | rVB | 119270 | 179826 | 11.52% | 1.088% |
| 53 | 20.320 | 2946 | 2950 | 2954 | rVB | 83956 | 107158 | 6.86% | 0.648% |
| 54 | 20.373 | 2955 | 2959 | 2963 | rVV2 | 66899 | 95351 | 6.11% | 0.577% |
| 55 | 20.514 | 2980 | 2983 | 2987 | rBV | 45446 | 55986 | 3.59% | 0.339% |
| 56 | 20.561 | 2987 | 2991 | 2994 | rBV | 62082 | 78375 | 5.02% | 0.474% |
| 57 | 20.973 | 3058 | 3061 | 3068 | rVB | 49144 | 77560 | 4.97% | 0.469% |
| 58 | 21.190 | 3096 | 3098 | 3101 | rBV | 33673 | 35069 | 2.25% | 0.212% |
| 59 | 21.231 | 3101 | 3105 | 3112 | rVB4 | 95136 | 171542 | 10.99% | 1.038% |
| 60 | 21.554 | 3153 | 3160 | 3166 | rBV3 | 407954 | 1053082 | 67.45% | 6.372% |
| 61 | 21.607 | 3166 | 3169 | 3180 | rVB | 282720 | 460076 | 29.47% | 2.784% |
| 62 | 21.760 | 3191 | 3195 | 3200 | rVB2 | 62539 | 97552 | 6.25% | 0.590% |
| 63 | 22.353 | 3291 | 3296 | 3300 | rBV2 | 90142 | 155019 | 9.93% | 0.938% |
| 64 | 23.705 | 3519 | 3526 | 3532 | rBV | 155074 | 469937 | 30.10% | 2.844% |
| 65 | 23.804 | 3539 | 3543 | 3551 | rVB | 237391 | 477215 | 30.57% | 2.888% |
| 66 | 24.539 | 3662 | 3668 | 3679 | rVB2 | 144411 | 379603 | 24.31% | 2.297% |
| 67 | 24.692 | 3686 | 3694 | 3701 | rBV | 183518 | 503449 | 32.25% | 3.046% |
| 68 | 25.814 | 3877 | 3885 | 3896 | rVB2 | 214161 | 589345 | 37.75% | 3.566% |

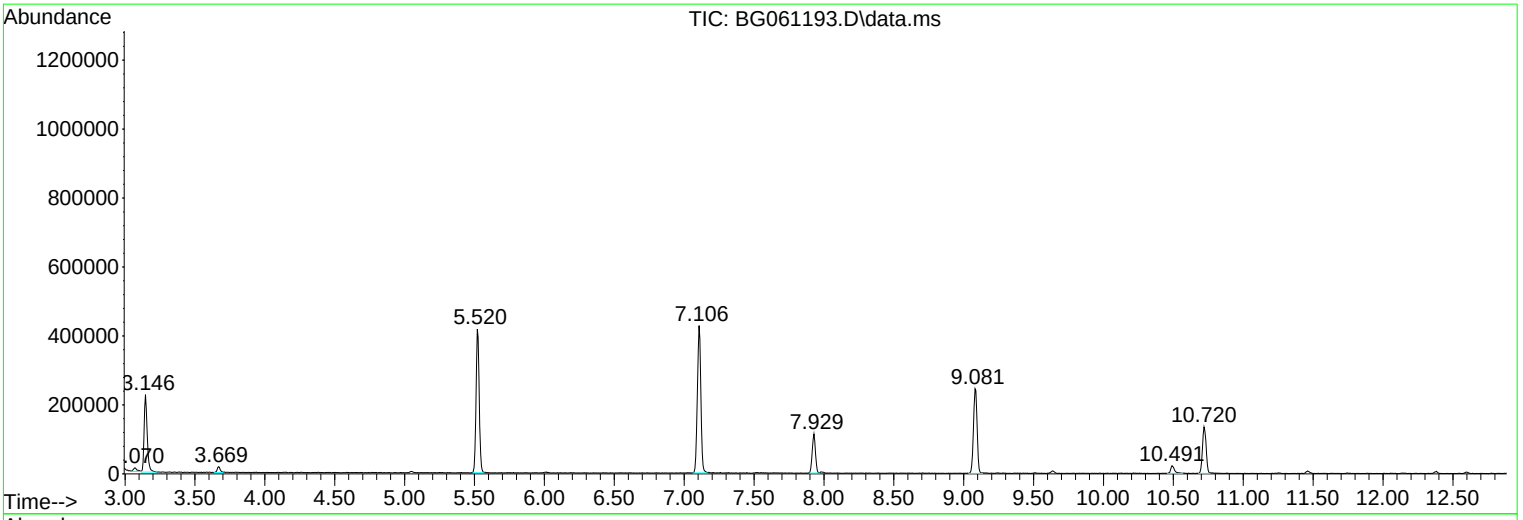
Sum of corrected areas: 16525792

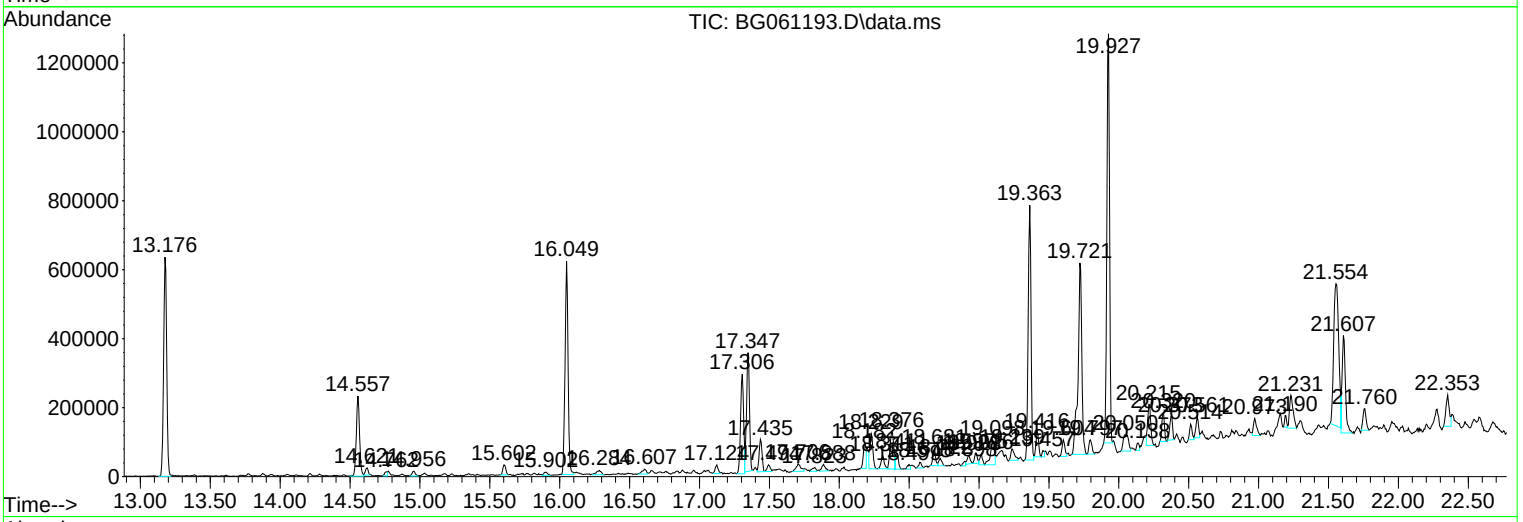
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

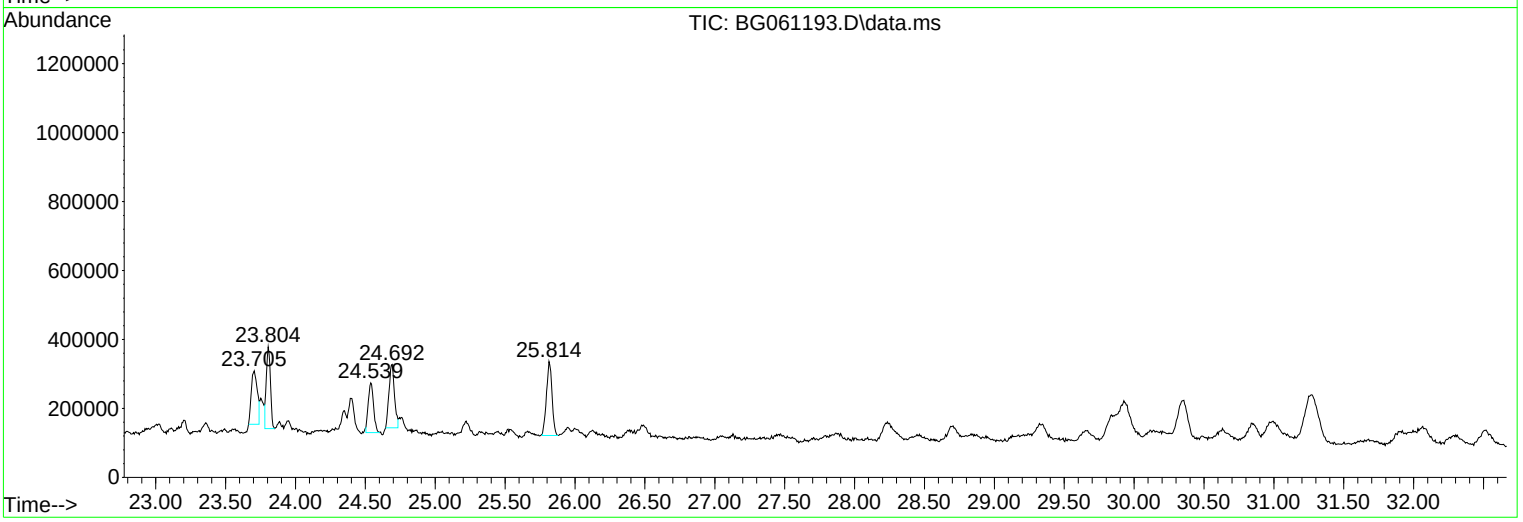
**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

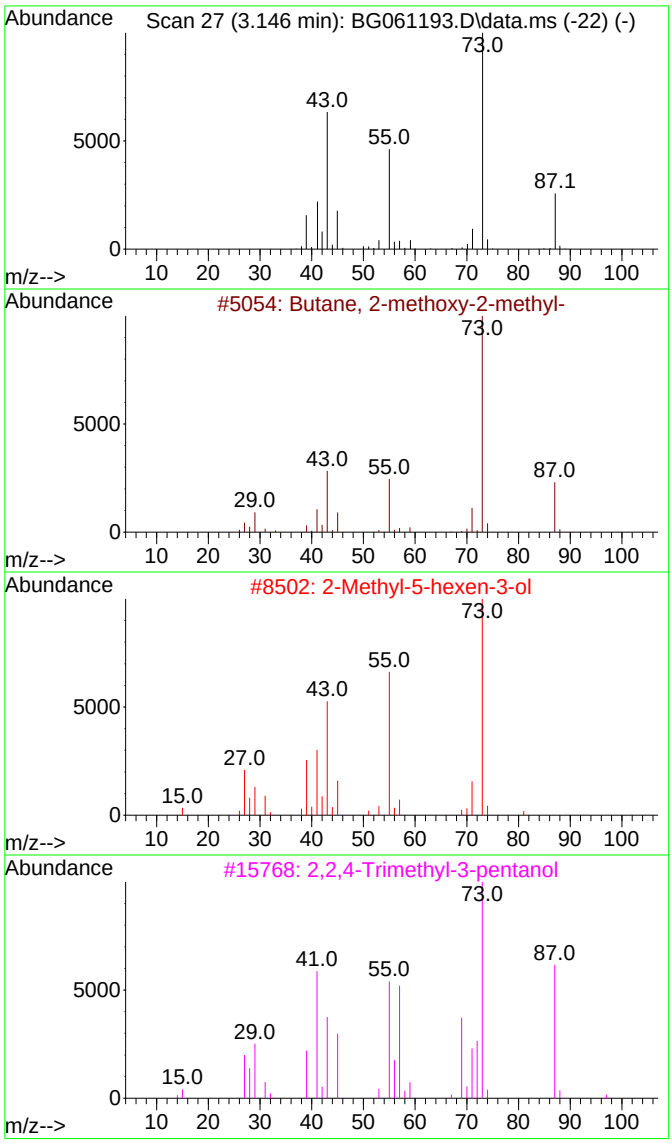
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

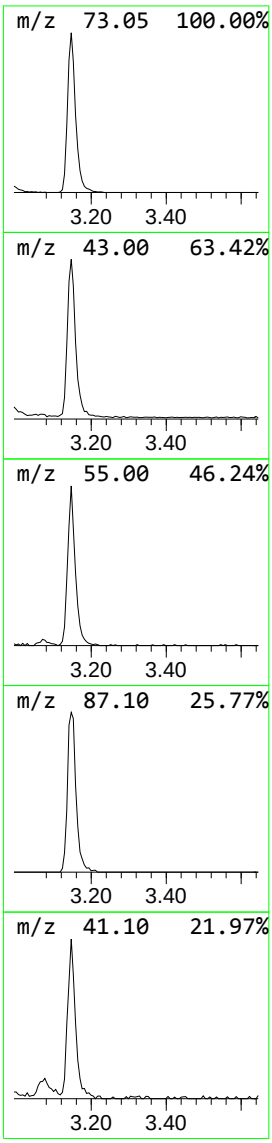
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.146 | 37.66 ng | 341702 | 1,4-Dichlorobenzene-d4 | 7.929 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 64 |
| 2 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 47 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 36 |
| 4 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 28 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

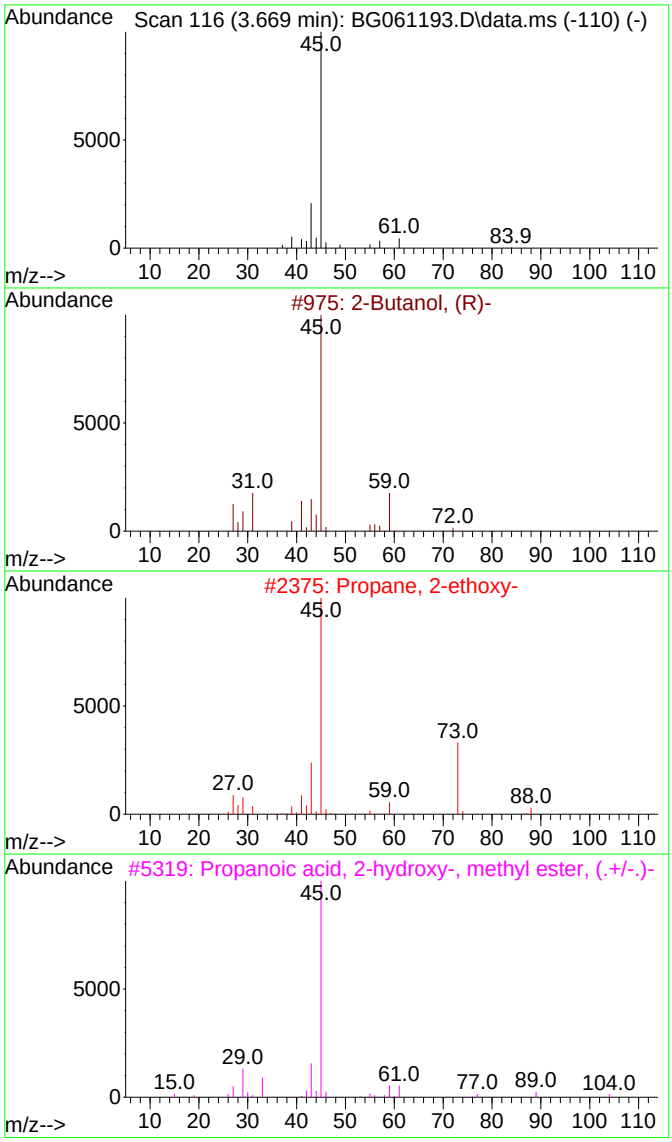
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

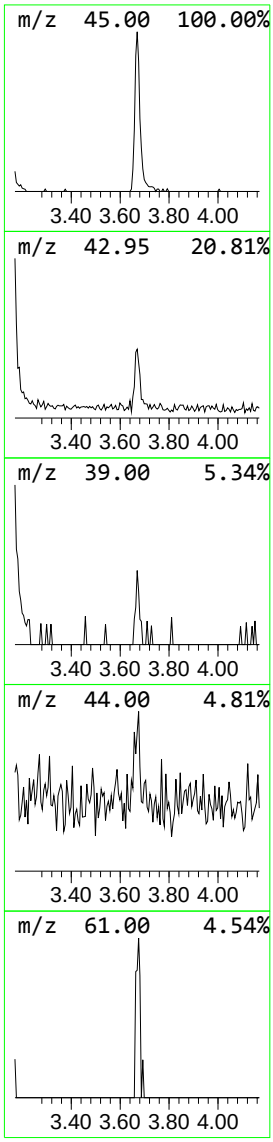
**********

Peak Number 2 unknown3.669 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.669 | 3.03 ng | 27468 | 1,4-Dichlorobenzene-d4 | 7.929 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanol, (R)- | 74 | C4H10O | 014898-79-4 | 9 |
| 2 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 9 |
| 3 | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3 | 000547-64-8 | 9 |
| 4 | Butanenitrile, 2-(methoxymethoxy) | 129 | C6H11NO2 | 1000196-86-5 | 9 |
| 5 | Propylene Glycol | 76 | C3H8O2 | 000057-55-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

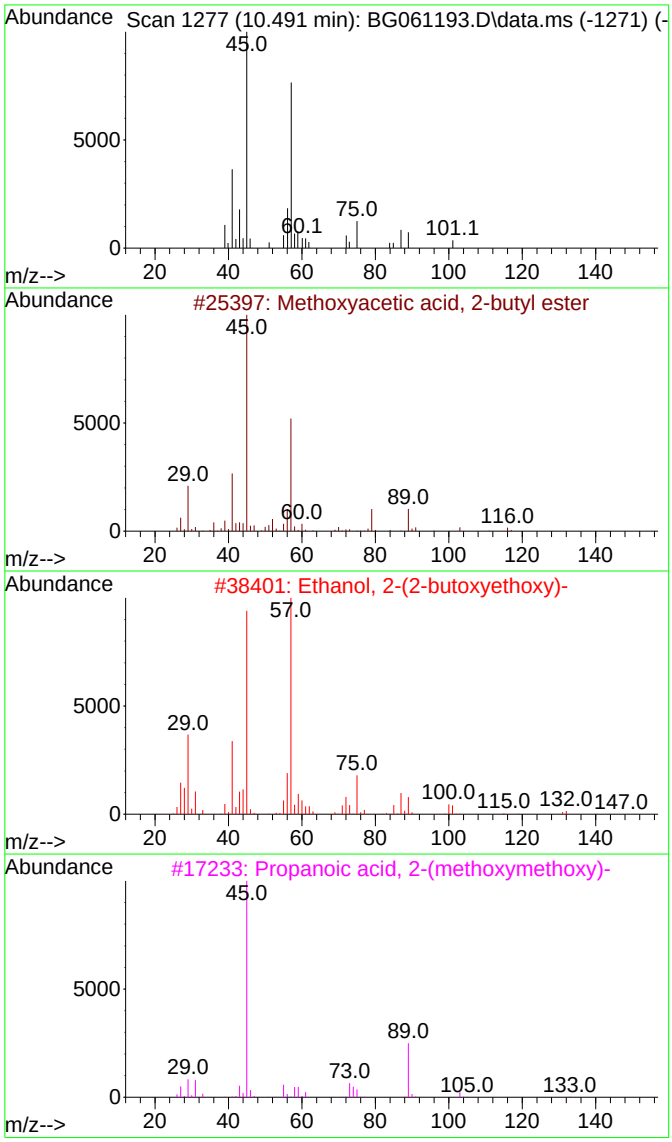
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

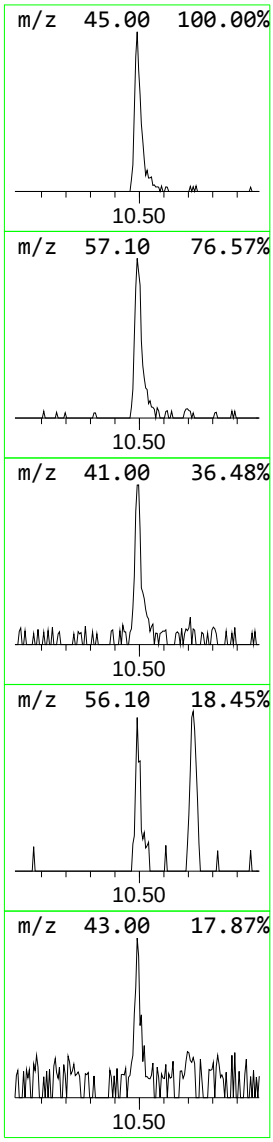
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Methoxyacetic acid, 2-butyl... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.491 | 3.39 ng | 41361 | Naphthalene-d8 | 10.720 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methoxyacetic acid, 2-butyl ester | 146 | C7H14O3 | 070159-90-9 | 64 |
| 2 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 50 |
| 3 | Propanoic acid, 2-(methoxymethoxy)- | 134 | C5H10O4 | 081327-29-9 | 50 |
| 4 | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 39 |
| 5 | Methoxyacetic acid, heptyl ester | 188 | C10H20O3 | 168920-36-3 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

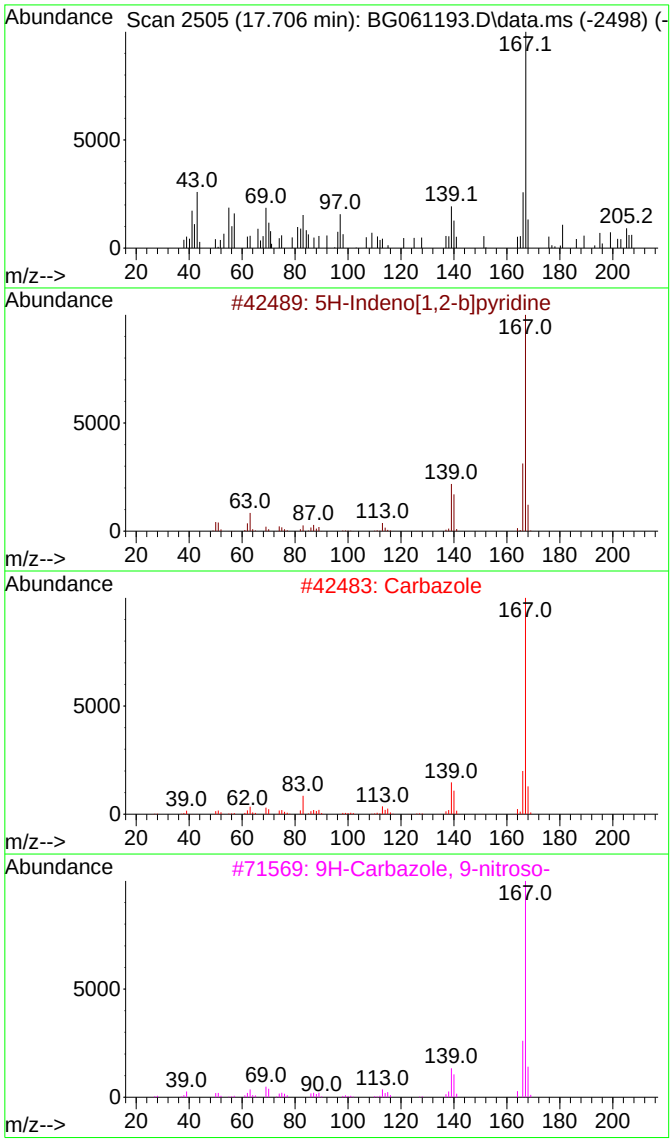
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

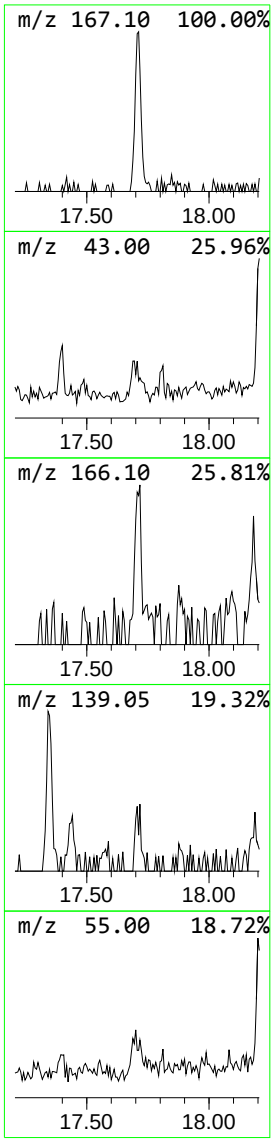
**********

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.706 | 2.35 ng | 52869 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 64 |
| 2 | Carbazole | 167 | C12H9N | 000086-74-8 | 64 |
| 3 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 59 |
| 4 | 2-Methyl-7H-1,3,4-thiadiazolo[3,... | 167 | C6H5N3OS | 056347-07-0 | 47 |
| 5 | 4H-1,3,2-Dioxaborin, 2-ethyl-4-m... | 210 | C12H23BO2 | 074421-10-6 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

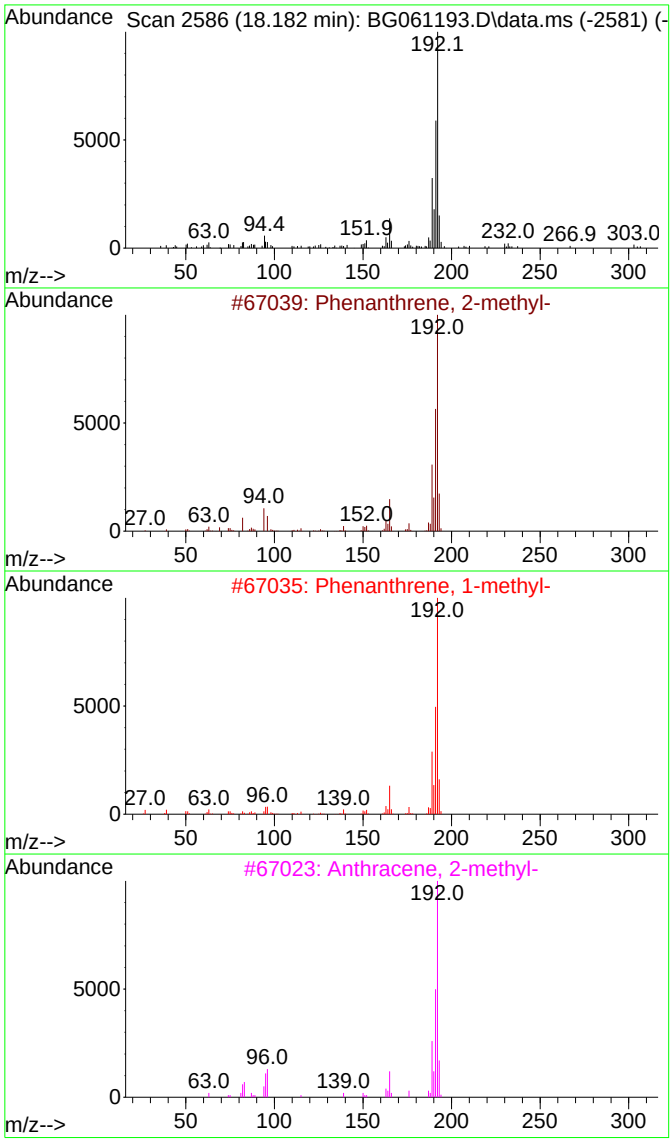
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

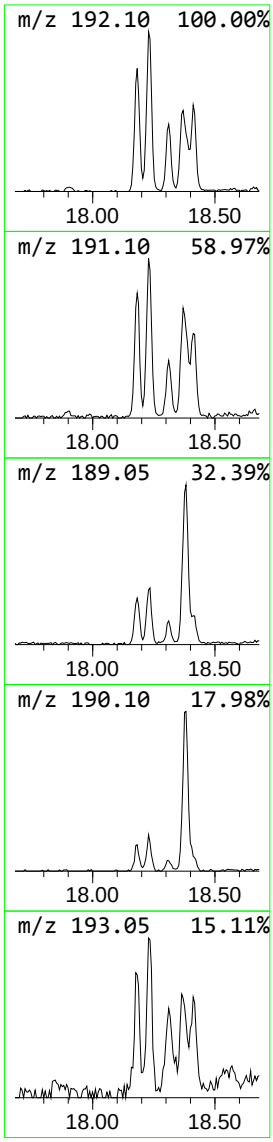
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.182 | 4.77 ng | 107011 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 92 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

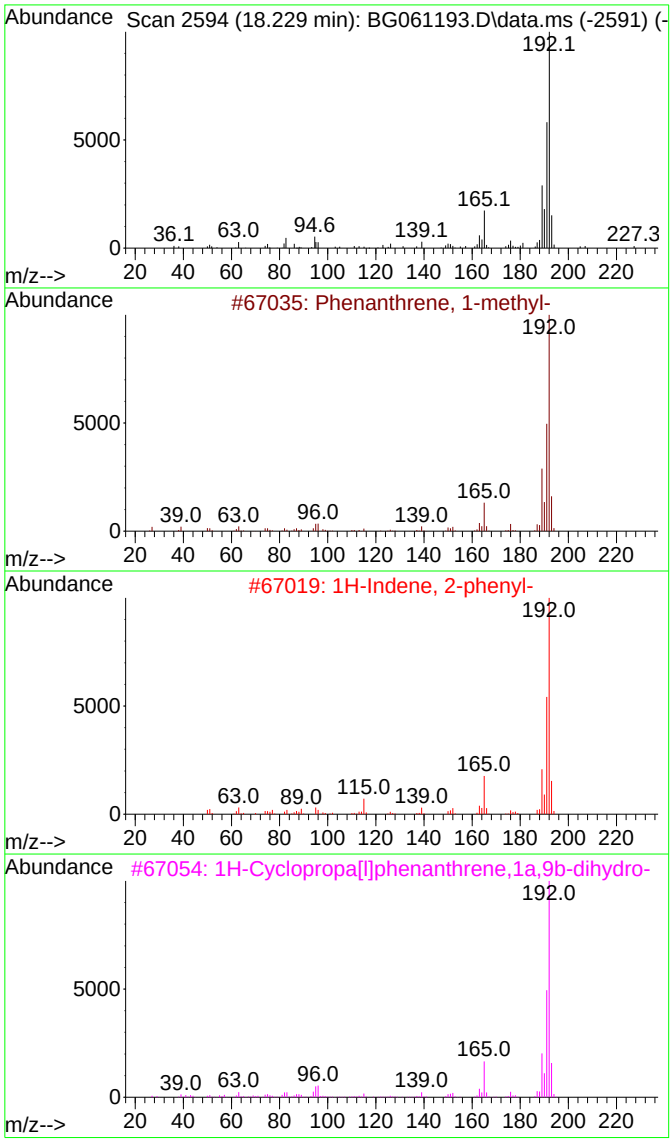
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

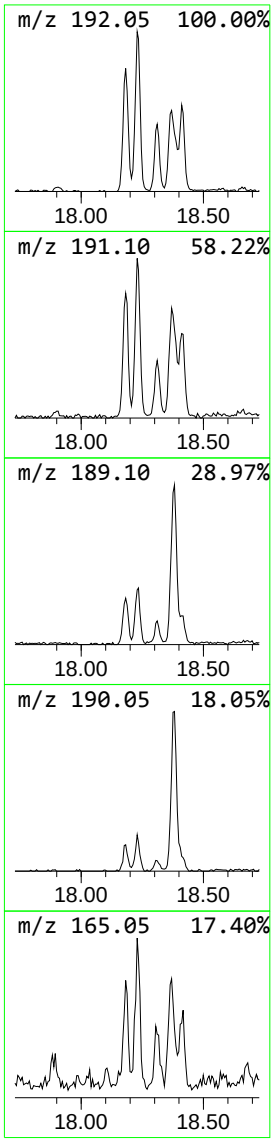
**********

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.229 | 6.70 ng | 150398 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

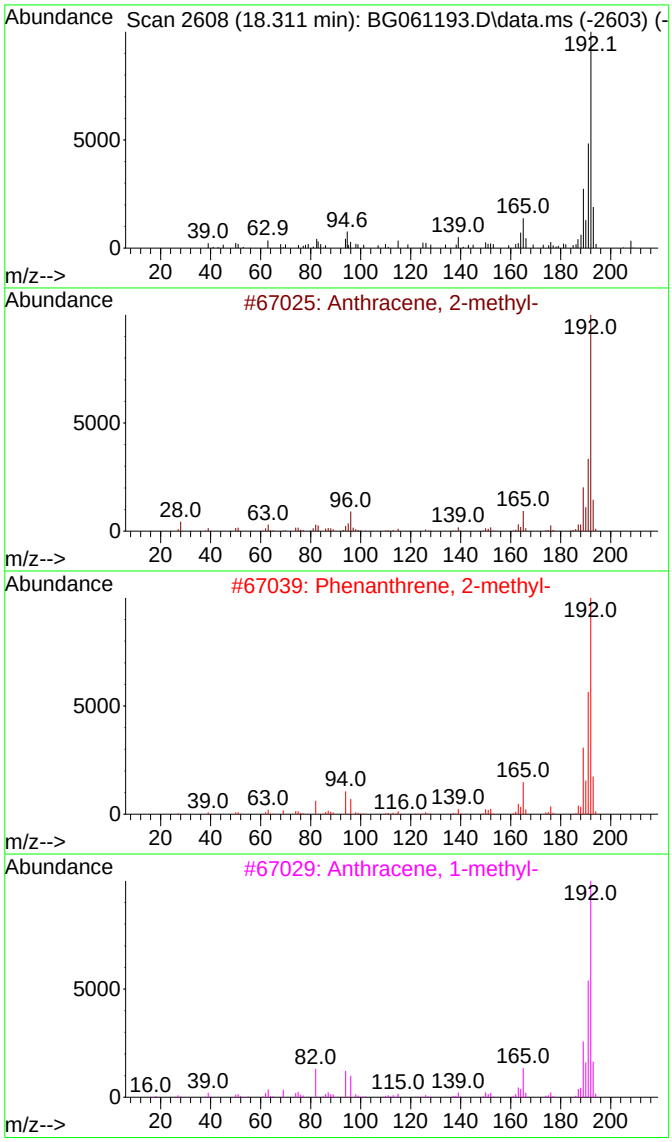
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

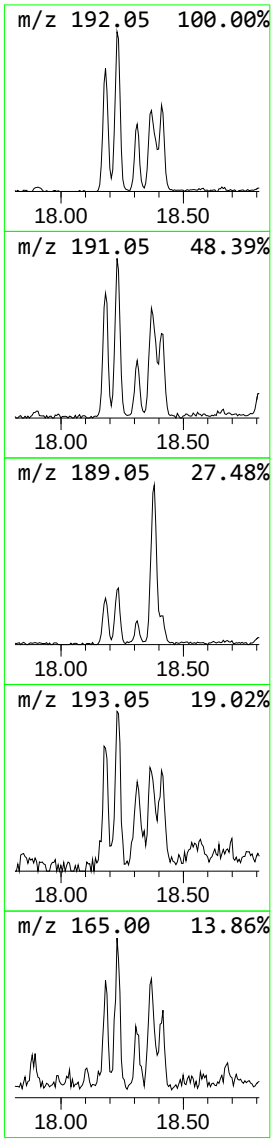
**********

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.311 | 2.72 ng | 60997 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 89 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |



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Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

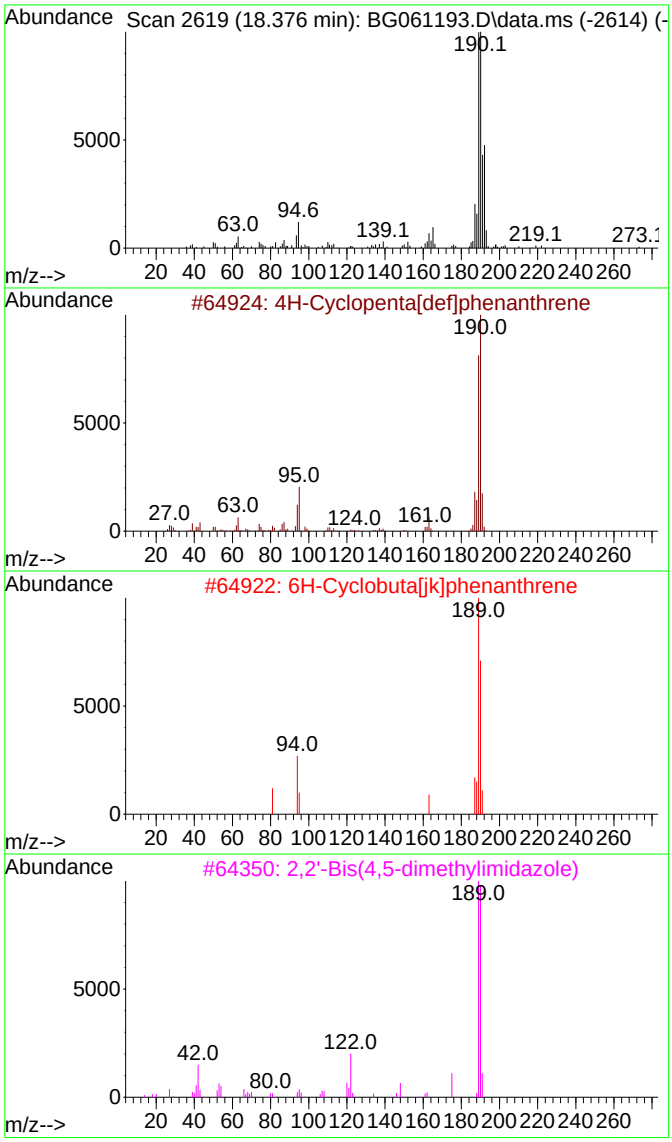
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

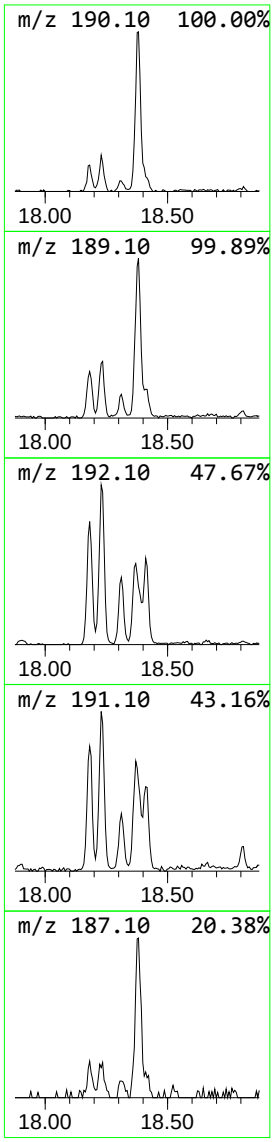
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.376 | 9.29 ng | 208555 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 53 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 37 |
| 4 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 33 |
| 5 | Megastigmatrienone | 190 | C13H18O | 038818-55-2 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

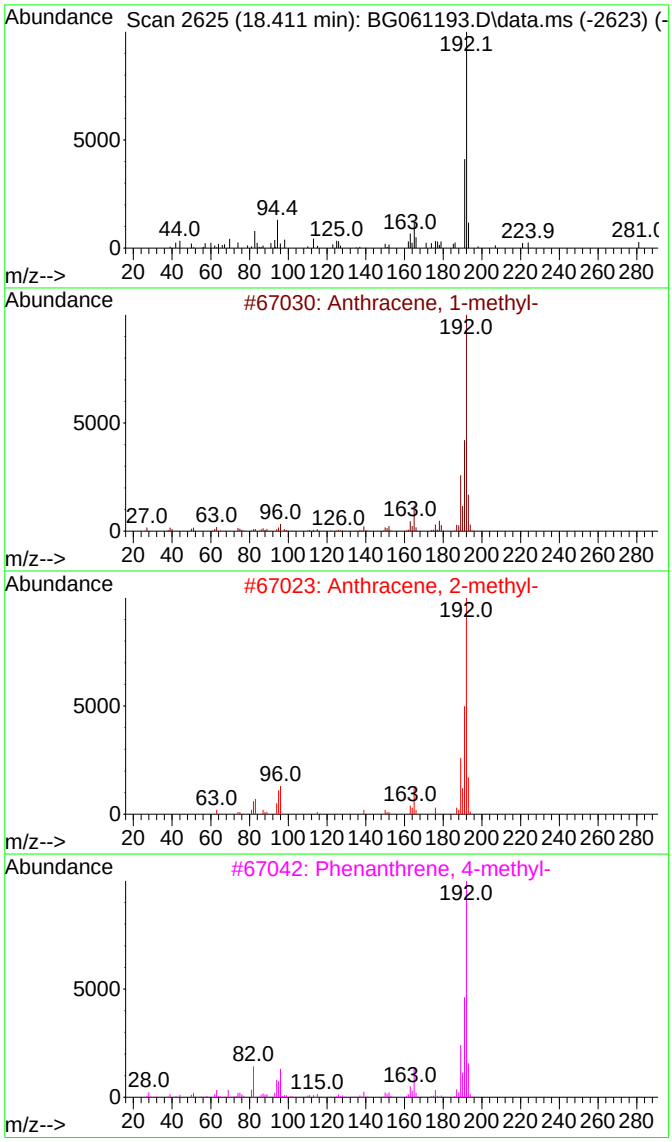
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

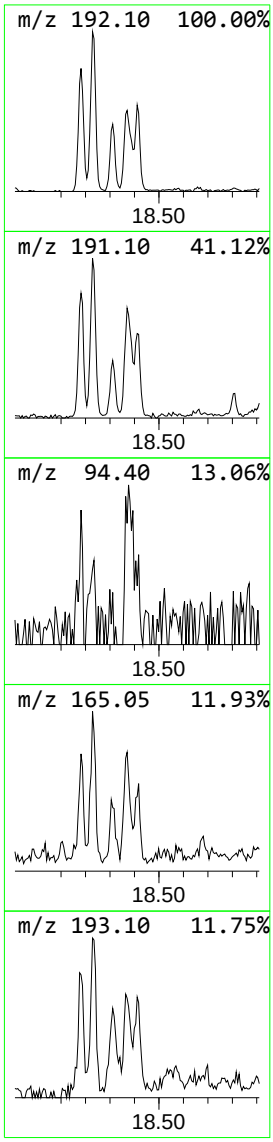
**********

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.411 | 2.90 ng | 65205 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 86 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 86 |
| 4 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 80 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

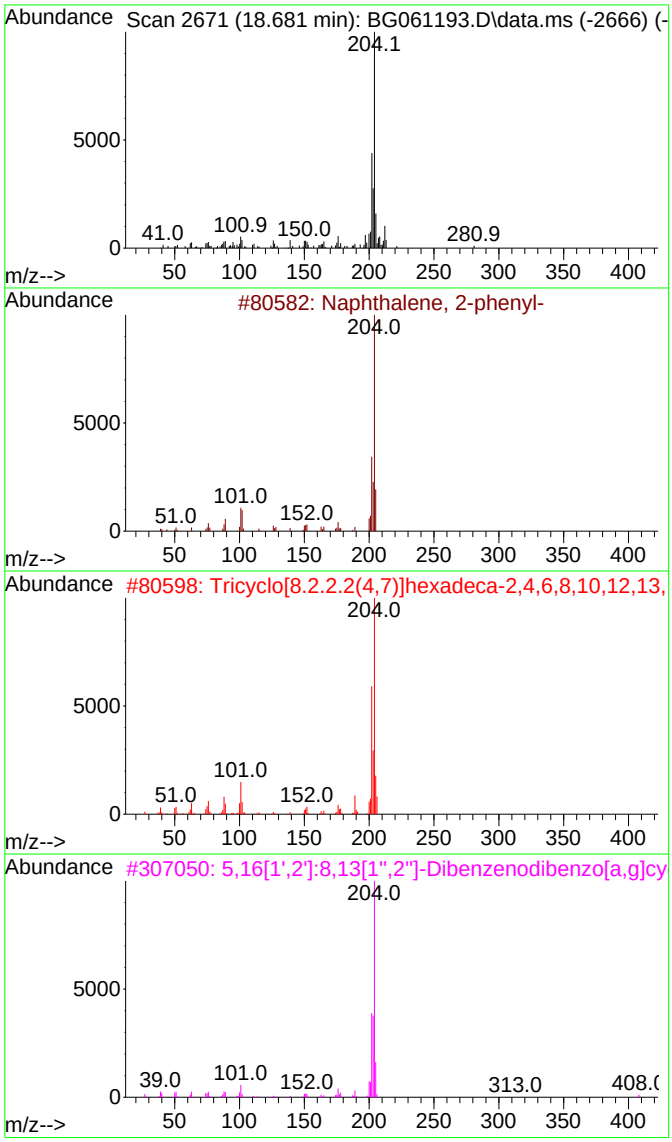
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

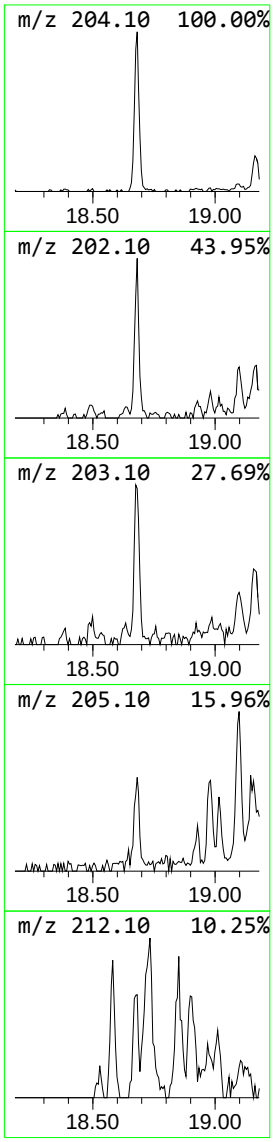
**********

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.681 | 3.12 ng | 70047 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 78 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 60 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 58 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 49 |
| 5 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

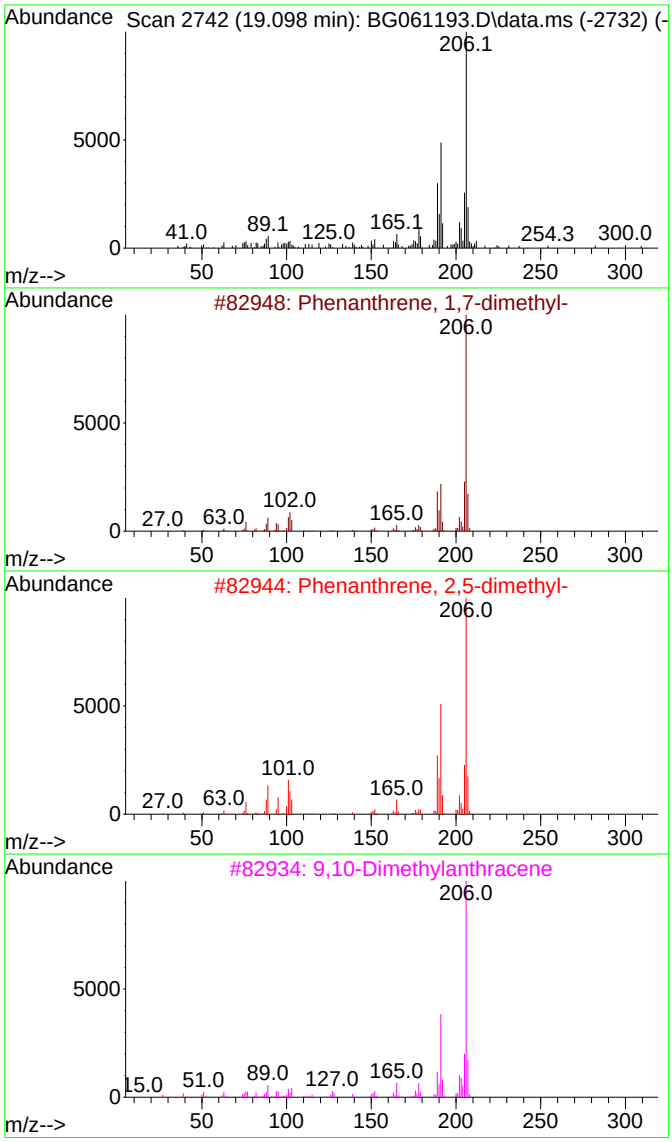
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

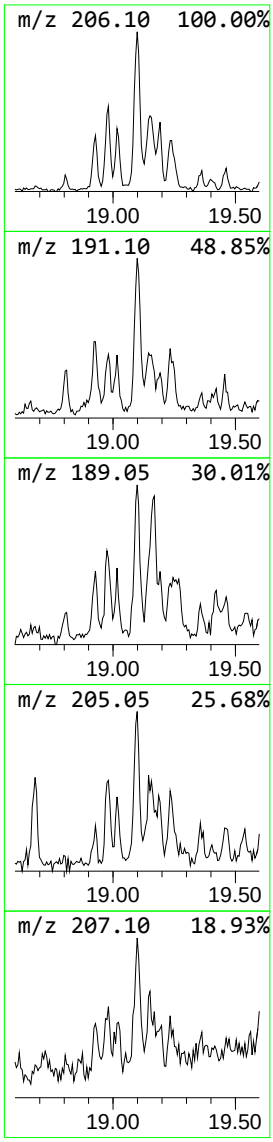
**********

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.098 | 6.19 ng | 139062 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 93 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 90 |
| 5 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

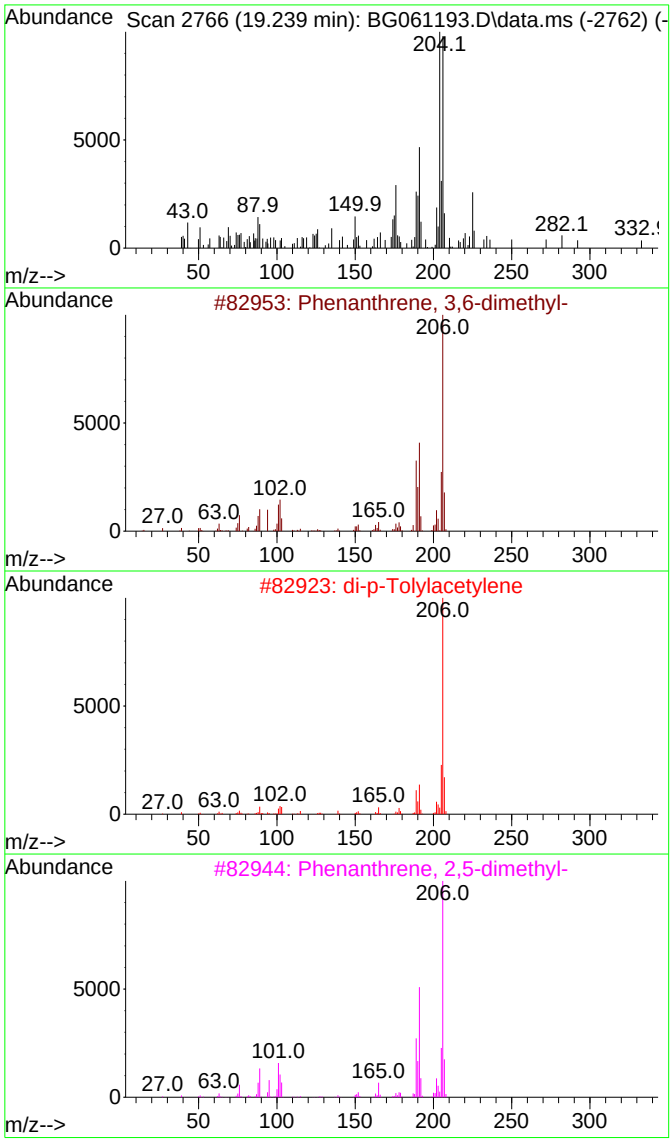
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

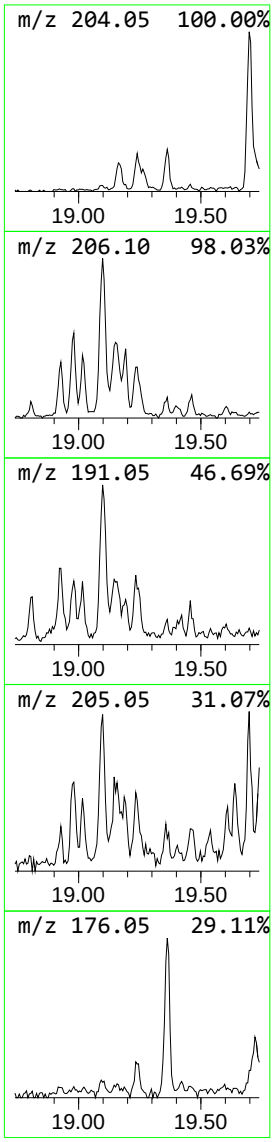
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.239 | 2.84 ng | 63874 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 60 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 55 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 49 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 46 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

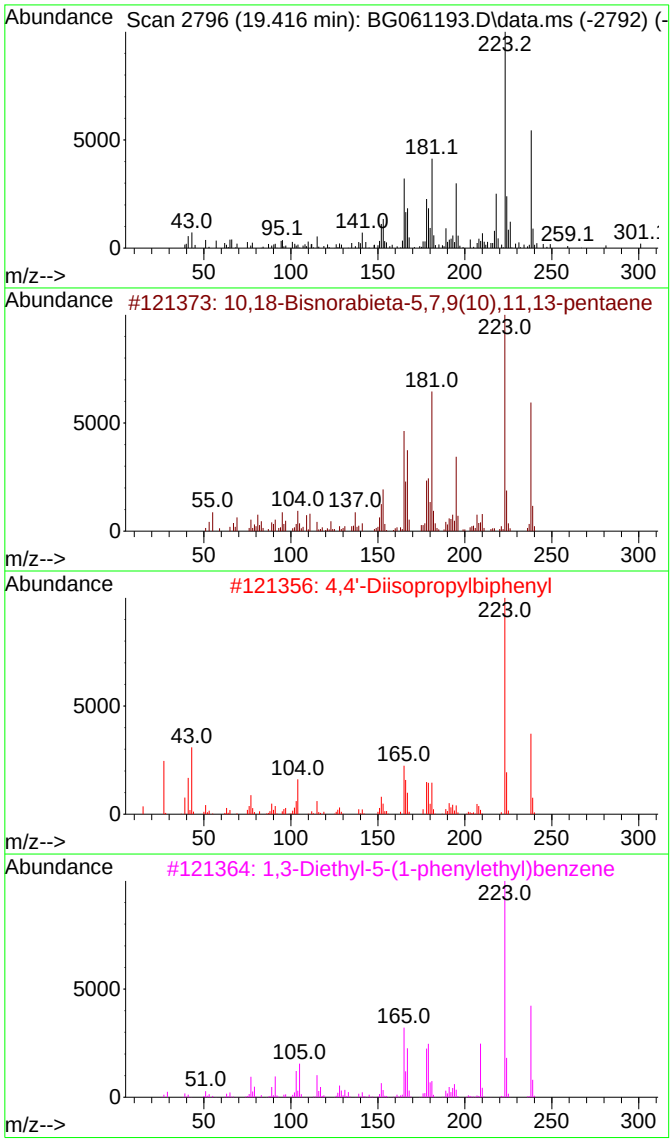
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

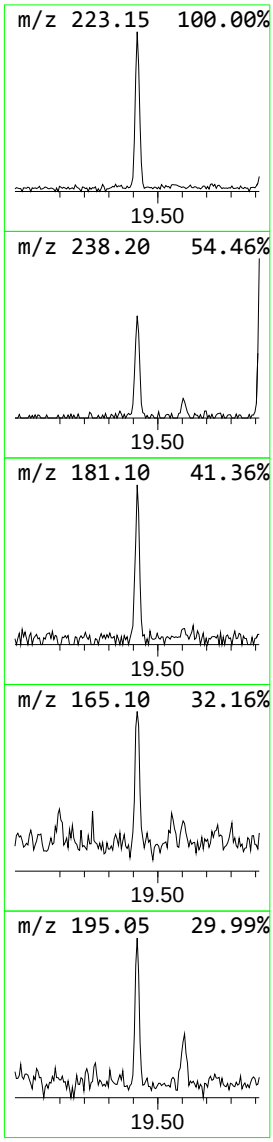
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.416 | 4.21 ng | 94519 | Phenanthrene-d10 | 17.306 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 92 |
| 2 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 86 |
| 3 | 1,3-Diethyl-5-(1-phenylethyl)ben... | 238 | C18H22 | 1000482-32-6 | 83 |
| 4 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 70 |
| 5 | cyclopropanone, 2-(4-methoxyphen... | 238 | C16H14O2 | 1000401-16-2 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

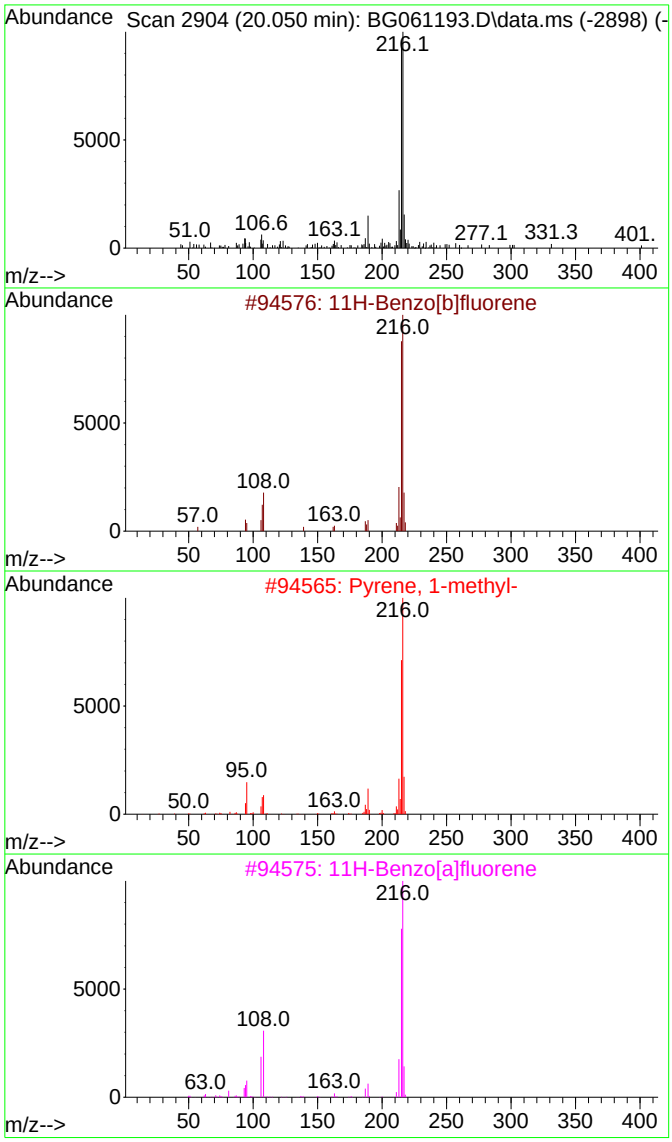
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

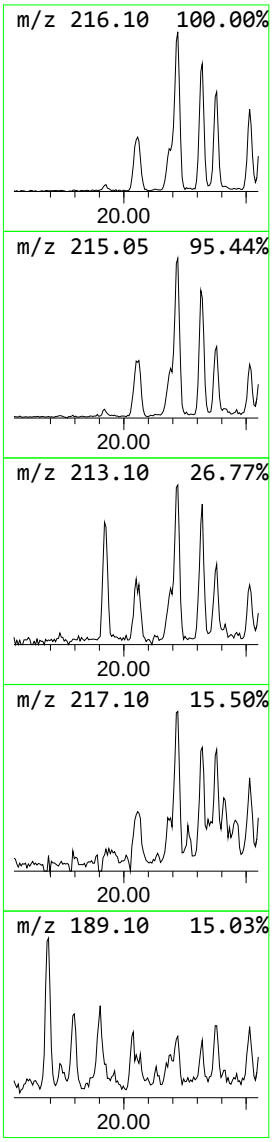
**********

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.050 | 2.40 ng | 126146 | Chrysene-d12 | 21.566 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 72 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 72 |
| 5 | trans-p-(Trifluoromethyl)cinnami... | 216 | C10H7F3O2 | 016642-92-5 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

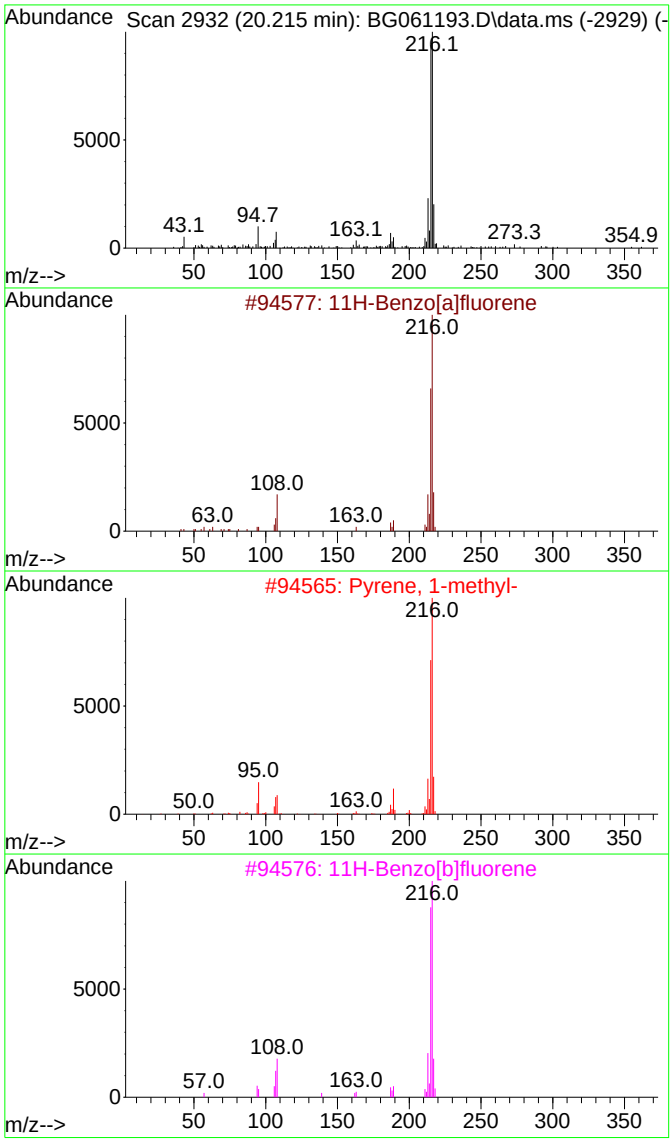
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

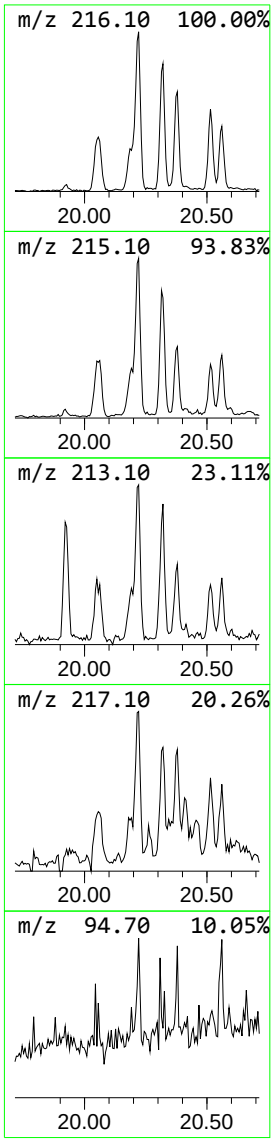
**********

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.215 | 3.42 ng | 179826 | Chrysene-d12 | 21.566 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 94 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

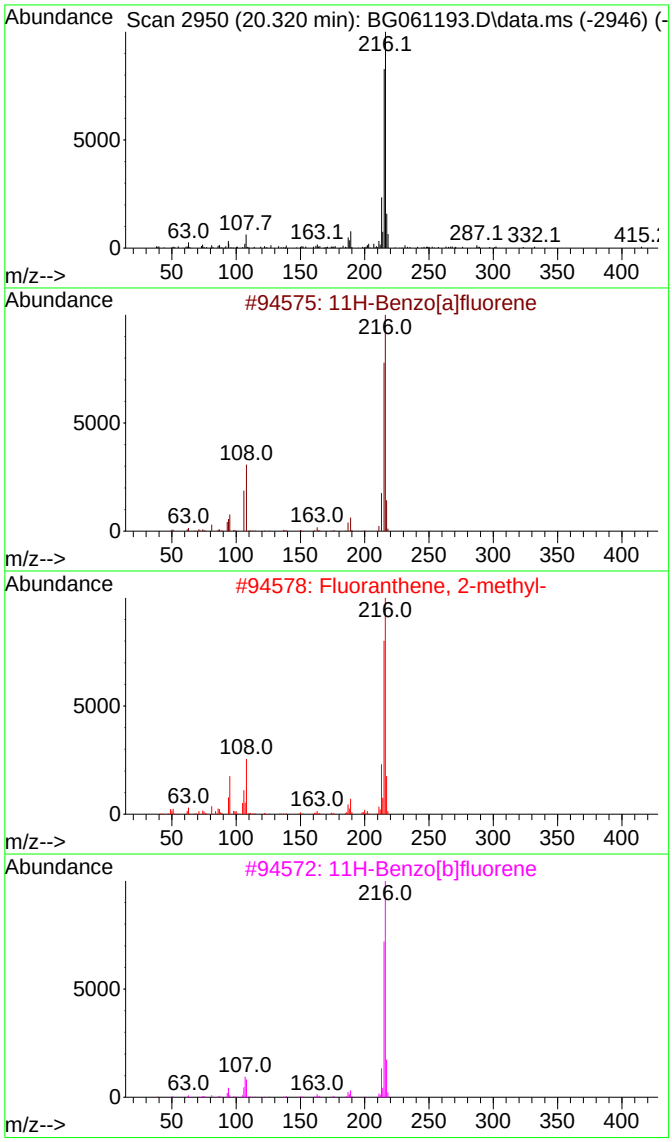
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

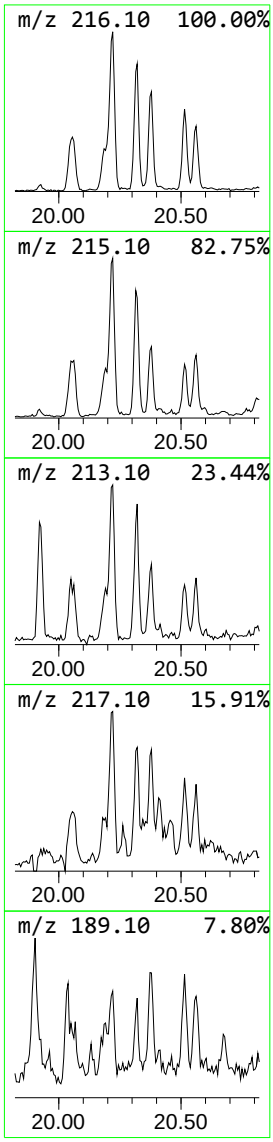
**********

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.320 | 2.04 ng | 107158 | Chrysene-d12 | 21.566 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 91 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

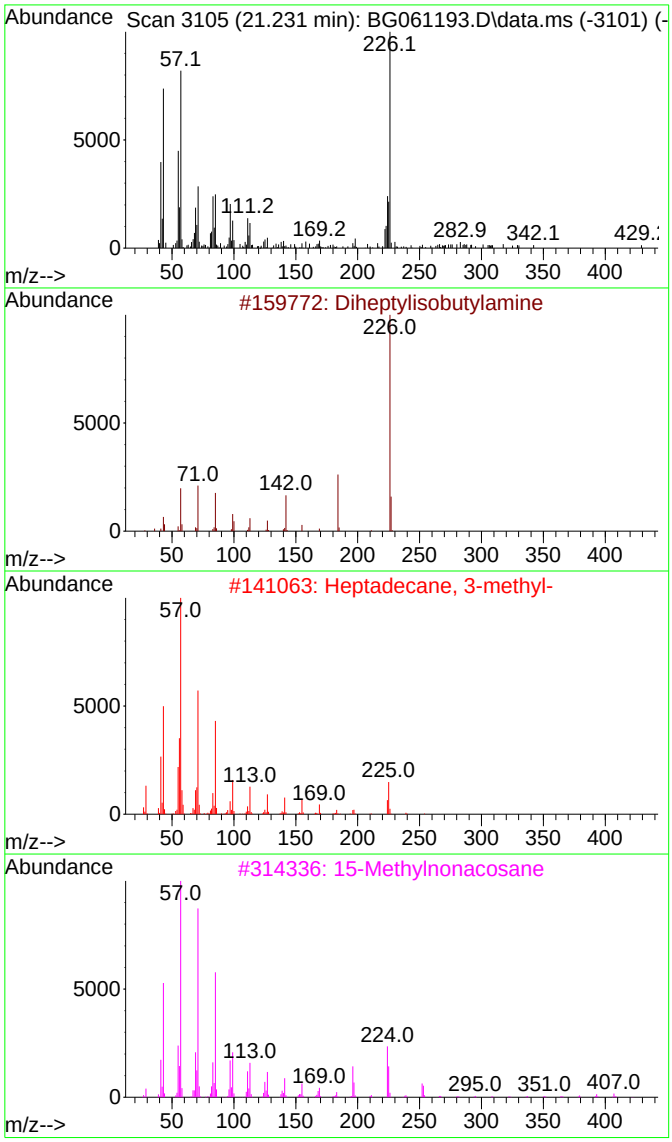
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

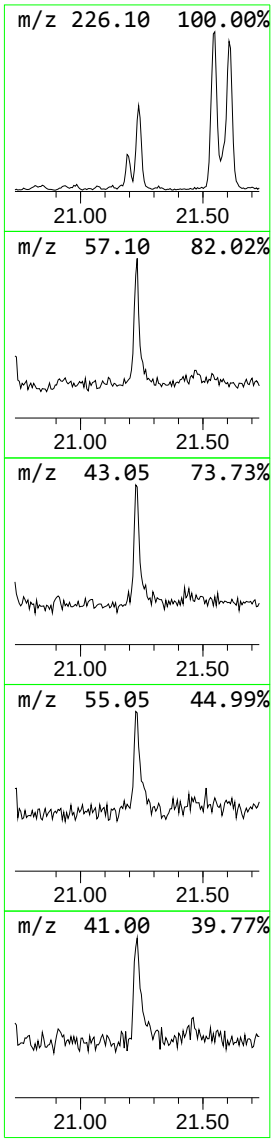
**********

Peak Number 17 unknown21.231 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.231 | 3.26 ng | 171542 | Chrysene-d12 | 21.566 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diheptylisobutylamine | 269 | C18H39N | 1000310-32-0 | 37 |
| 2 | Heptadecane, 3-methyl- | 254 | C18H38 | 006418-44-6 | 14 |
| 3 | 15-Methylnonacosane | 422 | C30H62 | 065820-60-2 | 14 |
| 4 | Hexadecane, 5-butyl- | 282 | C20H42 | 006912-07-8 | 12 |
| 5 | 6-Undecen-3-one, 5-butyl-2,2-dim... | 252 | C17H32O | 055976-05-1 | 11 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

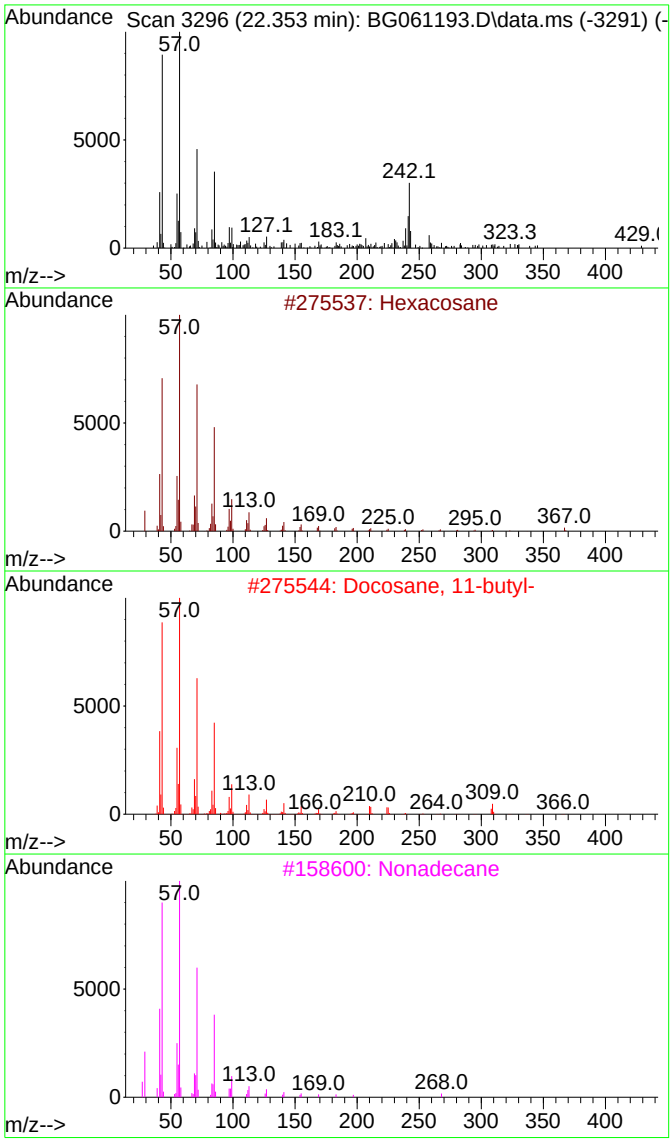
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

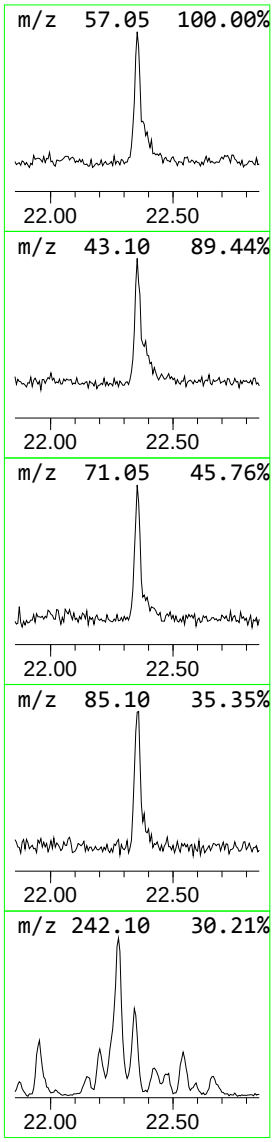
**********

Peak Number 18 Hexacosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.353 | 2.94 ng | 155019 | Chrysene-d12 | 21.566 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 55 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 55 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 49 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 49 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

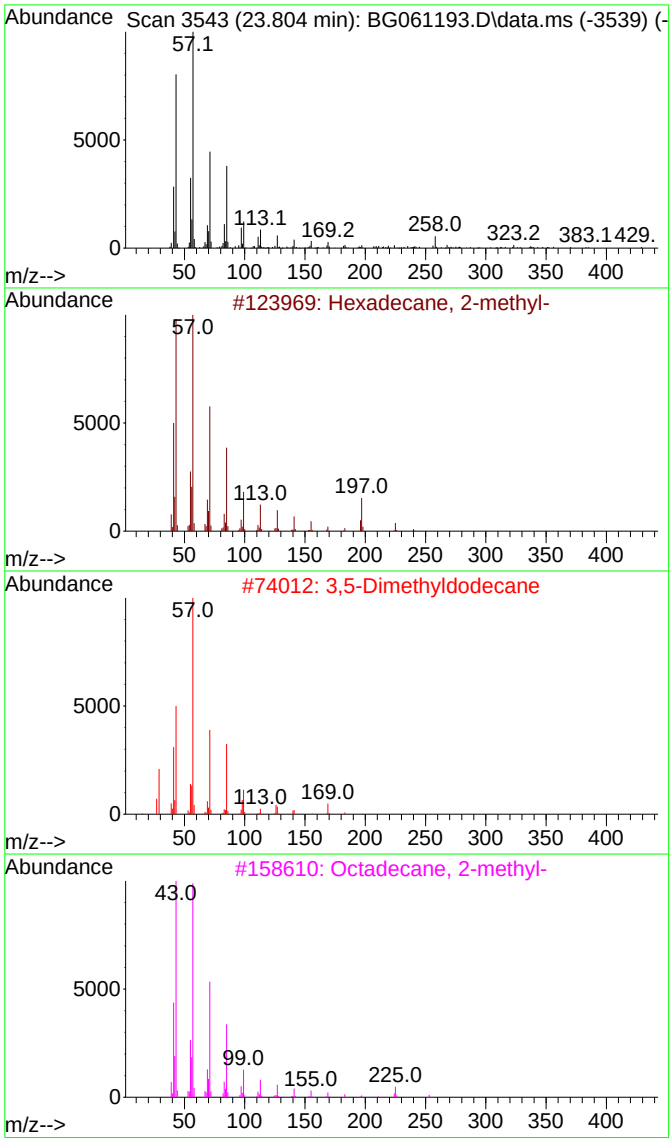
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

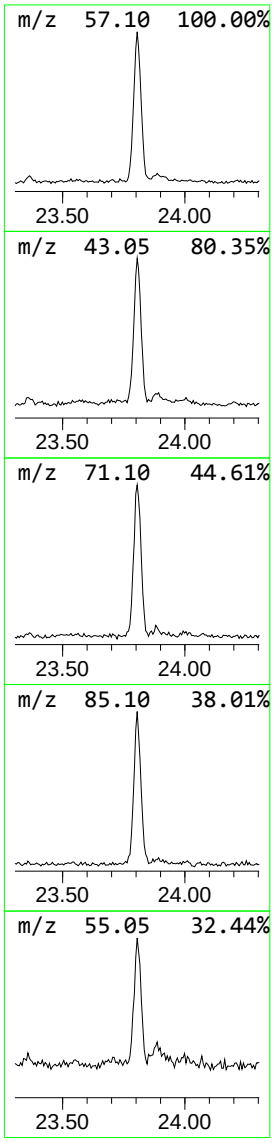
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.805 | 18.96 ng | 477215 | Perylene-d12 | 24.692 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 86 |
| 2 | 3,5-Dimethyldodecane | 198 | C14H30 | 107770-99-0 | 81 |
| 3 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 80 |
| 4 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 80 |
| 5 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

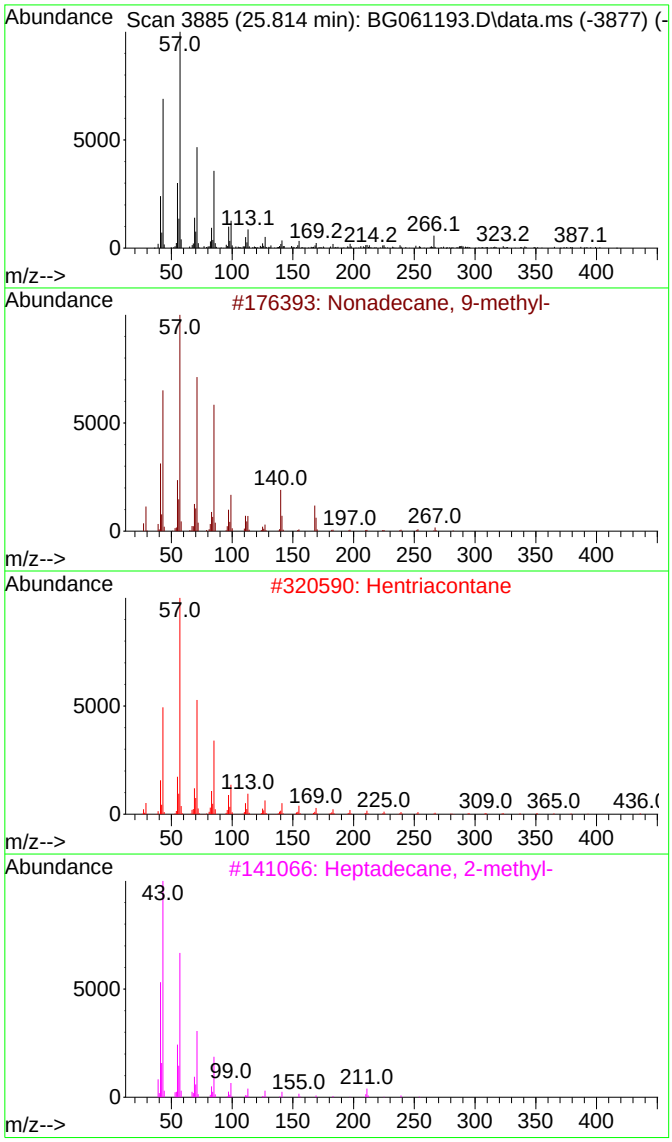
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

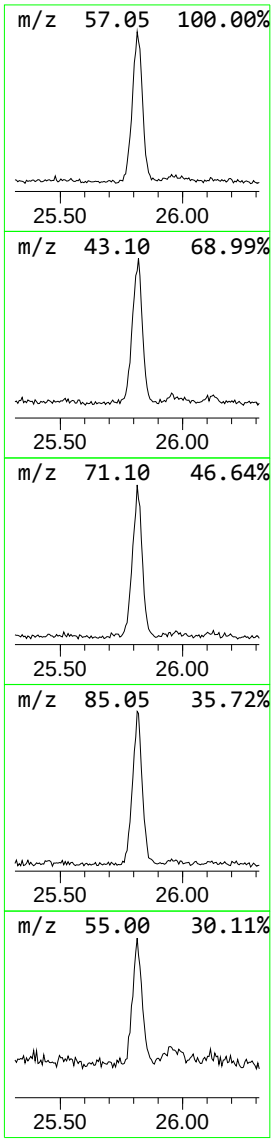
**********

Peak Number 20 Nonadecane, 9-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.814 | 23.41 ng | 589345 | Perylene-d12 | 24.692 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 93 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 3 | Heptadecane, 2-methyl- | 254 | C18H38 | 001560-89-0 | 90 |
| 4 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 89 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
F-1(5.0-6.0)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Butane, 2-metho... | 3.146 | 37.7 | ng | 341702 | 1 | 7.929 | 181491 | 20.0 |
| unknown3.669 | 3.669 | 3.0 | ng | 27468 | 1 | 7.929 | 181491 | 20.0 |
| Methoxyacetic a... | 10.491 | 3.4 | ng | 41361 | 2 | 10.720 | 243865 | 20.0 |
| 5H-Indeno[1,2-b... | 17.706 | 2.4 | ng | 52869 | 4 | 17.306 | 449058 | 20.0 |
| Phenanthrene, 2... | 18.182 | 4.8 | ng | 107011 | 4 | 17.306 | 449058 | 20.0 |
| Phenanthrene, 1... | 18.229 | 6.7 | ng | 150398 | 4 | 17.306 | 449058 | 20.0 |
| Anthracene, 2-m... | 18.311 | 2.7 | ng | 60997 | 4 | 17.306 | 449058 | 20.0 |
| 4H-Cyclopenta[d... | 18.376 | 9.3 | ng | 208555 | 4 | 17.306 | 449058 | 20.0 |
| Anthracene, 1-m... | 18.411 | 2.9 | ng | 65205 | 4 | 17.306 | 449058 | 20.0 |
| Naphthalene, 2-... | 18.681 | 3.1 | ng | 70047 | 4 | 17.306 | 449058 | 20.0 |
| Phenanthrene, 1... | 19.098 | 6.2 | ng | 139062 | 4 | 17.306 | 449058 | 20.0 |
| Phenanthrene, 3... | 19.239 | 2.8 | ng | 63874 | 4 | 17.306 | 449058 | 20.0 |
| 10,18-Bisnorabi... | 19.416 | 4.2 | ng | 94519 | 4 | 17.306 | 449058 | 20.0 |
| 11H-Benzo[b]flu... | 20.050 | 2.4 | ng | 126146 | 5 | 21.566 | 1053080 | 20.0 |
| 11H-Benzo[a]flu... | 20.215 | 3.4 | ng | 179826 | 5 | 21.566 | 1053080 | 20.0 |
| Fluoranthene, 2... | 20.320 | 2.0 | ng | 107158 | 5 | 21.566 | 1053080 | 20.0 |
| unknown21.231 | 21.231 | 3.3 | ng | 171542 | 5 | 21.566 | 1053080 | 20.0 |
| Hexacosane | 22.353 | 2.9 | ng | 155019 | 5 | 21.566 | 1053080 | 20.0 |
| Hexadecane, 2-m... | 23.805 | 19.0 | ng | 477215 | 6 | 24.692 | 503449 | 20.0 |
| Nonadecane, 9-m... | 25.814 | 23.4 | ng | 589345 | 6 | 24.692 | 503449 | 20.0 |