LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054327.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.082 | 282 | 288 | 296 | rBV | 7709 | 13204 | 1.00% | 0.078% |
| 2 | 5.564 | 363 | 370 | 383 | rBV | 229134 | 381810 | 28.96% | 2.264% |
| 3 | 7.162 | 634 | 642 | 659 | rBB | 238733 | 431377 | 32.72% | 2.558% |
| 4 | 7.996 | 778 | 784 | 791 | rVB | 63897 | 110210 | 8.36% | 0.653% |
| 5 | 9.159 | 974 | 982 | 991 | rVB | 148319 | 274710 | 20.84% | 1.629% |
| 6 | 10.804 | 1251 | 1262 | 1268 | rBV | 86292 | 157601 | 11.95% | 0.934% |
| 7 | 10.851 | 1268 | 1270 | 1278 | rVB | 10289 | 14826 | 1.12% | 0.088% |
| 8 | 13.255 | 1672 | 1679 | 1686 | rBV | 469071 | 740558 | 56.17% | 4.391% |
| 9 | 14.629 | 1905 | 1913 | 1919 | rBV | 153411 | 243496 | 18.47% | 1.444% |
| 10 | 15.029 | 1974 | 1981 | 1989 | rBV2 | 8544 | 15996 | 1.21% | 0.095% |
| 11 | 15.675 | 2086 | 2091 | 2097 | rBV3 | 9415 | 15123 | 1.15% | 0.090% |
| 12 | 16.116 | 2159 | 2166 | 2178 | rBV3 | 446550 | 724491 | 54.96% | 4.296% |
| 13 | 16.833 | 2277 | 2288 | 2293 | rBV8 | 7410 | 26615 | 2.02% | 0.158% |
| 14 | 17.027 | 2317 | 2321 | 2329 | rVB4 | 7677 | 13422 | 1.02% | 0.080% |
| 15 | 17.373 | 2374 | 2380 | 2384 | rBV | 210650 | 335545 | 25.45% | 1.990% |
| 16 | 17.414 | 2384 | 2387 | 2395 | rVV | 126562 | 191027 | 14.49% | 1.133% |
| 17 | 17.508 | 2395 | 2403 | 2408 | rVV | 37883 | 64297 | 4.88% | 0.381% |
| 18 | 17.567 | 2409 | 2413 | 2418 | rVV4 | 7174 | 13670 | 1.04% | 0.081% |
| 19 | 17.779 | 2439 | 2449 | 2453 | rBV2 | 19061 | 43092 | 3.27% | 0.256% |
| 20 | 18.037 | 2489 | 2493 | 2497 | rBV6 | 12436 | 17412 | 1.32% | 0.103% |
| 21 | 18.266 | 2520 | 2532 | 2536 | rBV3 | 102006 | 222162 | 16.85% | 1.317% |
| 22 | 18.378 | 2548 | 2551 | 2557 | rVB2 | 17163 | 27750 | 2.10% | 0.165% |
| 23 | 18.448 | 2557 | 2563 | 2567 | rVV2 | 38559 | 80407 | 6.10% | 0.477% |
| 24 | 18.484 | 2567 | 2569 | 2573 | rVV | 24185 | 38709 | 2.94% | 0.230% |
| 25 | 18.525 | 2573 | 2576 | 2585 | rVB9 | 18458 | 49791 | 3.78% | 0.295% |
| 26 | 18.748 | 2609 | 2614 | 2618 | rBV | 21887 | 30191 | 2.29% | 0.179% |
| 27 | 18.795 | 2618 | 2622 | 2626 | rVB5 | 9871 | 14856 | 1.13% | 0.088% |
| 28 | 18.995 | 2649 | 2656 | 2658 | rBV2 | 37515 | 65726 | 4.99% | 0.390% |
| 29 | 19.171 | 2681 | 2686 | 2688 | rBV4 | 17028 | 25281 | 1.92% | 0.150% |
| 30 | 19.312 | 2705 | 2710 | 2713 | rBV4 | 15735 | 31110 | 2.36% | 0.184% |
| 31 | 19.430 | 2724 | 2730 | 2736 | rBV | 400592 | 591692 | 44.88% | 3.508% |
| 32 | 19.488 | 2736 | 2740 | 2741 | rVV4 | 27284 | 38990 | 2.96% | 0.231% |
| 33 | 19.535 | 2742 | 2748 | 2757 | rVV3 | 199504 | 424013 | 32.16% | 2.514% |
| 34 | 19.618 | 2759 | 2762 | 2769 | rVB5 | 36439 | 71149 | 5.40% | 0.422% |
| 35 | 19.759 | 2781 | 2786 | 2787 | rBV | 86161 | 102091 | 7.74% | 0.605% |
| 36 | 19.794 | 2787 | 2792 | 2799 | rVV | 365520 | 600988 | 45.59% | 3.563% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.864 | 2800 | 2804 | 2810 | rVB3 | 28543 | 49160 | 3.73% | 0.291% |
| 38 | 19.988 | 2816 | 2825 | 2830 | rBV | 953227 | 1318317 | 100.00% | 7.817% |
| 39 | 20.035 | 2830 | 2833 | 2839 | rVB | 32887 | 46817 | 3.55% | 0.278% |
| 40 | 20.123 | 2840 | 2848 | 2853 | rBV2 | 36821 | 100133 | 7.60% | 0.594% |
| 41 | 20.246 | 2864 | 2869 | 2870 | rBV4 | 27463 | 37579 | 2.85% | 0.223% |
| 42 | 20.282 | 2871 | 2875 | 2880 | rVB | 75504 | 126407 | 9.59% | 0.750% |
| 43 | 20.381 | 2888 | 2892 | 2896 | rBV | 48883 | 63569 | 4.82% | 0.377% |
| 44 | 20.440 | 2896 | 2902 | 2906 | rBV2 | 52341 | 94102 | 7.14% | 0.558% |
| 45 | 20.481 | 2906 | 2909 | 2914 | rVB3 | 46676 | 72756 | 5.52% | 0.431% |
| 46 | 20.581 | 2922 | 2926 | 2929 | rBV | 31840 | 43021 | 3.26% | 0.255% |
| 47 | 20.622 | 2930 | 2933 | 2937 | rVB | 29713 | 39812 | 3.02% | 0.236% |
| 48 | 20.881 | 2972 | 2977 | 2986 | rVB5 | 47516 | 109549 | 8.31% | 0.650% |
| 49 | 20.998 | 2994 | 2997 | 3001 | rBV6 | 13948 | 23949 | 1.82% | 0.142% |
| 50 | 21.045 | 3001 | 3005 | 3011 | rVB | 32861 | 57810 | 4.39% | 0.343% |
| 51 | 21.233 | 3032 | 3037 | 3038 | rBV | 35204 | 53308 | 4.04% | 0.316% |
| 52 | 21.263 | 3039 | 3042 | 3047 | rVV3 | 82851 | 144655 | 10.97% | 0.858% |
| 53 | 21.316 | 3048 | 3051 | 3056 | rVB2 | 53430 | 85960 | 6.52% | 0.510% |
| 54 | 21.633 | 3098 | 3105 | 3111 | rBV3 | 443848 | 1111725 | 84.33% | 6.592% |
| 55 | 21.692 | 3111 | 3115 | 3126 | rVB | 296855 | 523492 | 39.71% | 3.104% |
| 56 | 21.844 | 3136 | 3141 | 3148 | rBV | 64966 | 127270 | 9.65% | 0.755% |
| 57 | 22.050 | 3170 | 3176 | 3182 | rBV2 | 48169 | 103770 | 7.87% | 0.615% |
| 58 | 22.121 | 3183 | 3188 | 3195 | rVB3 | 51260 | 118144 | 8.96% | 0.701% |
| 59 | 22.367 | 3226 | 3230 | 3237 | rVB | 68589 | 123295 | 9.35% | 0.731% |
| 60 | 22.438 | 3238 | 3242 | 3251 | rVB | 45617 | 97760 | 7.42% | 0.580% |
| 61 | 22.638 | 3273 | 3276 | 3280 | rBV2 | 25687 | 38637 | 2.93% | 0.229% |
| 62 | 23.836 | 3471 | 3480 | 3488 | rBV2 | 314080 | 1116276 | 84.67% | 6.619% |
| 63 | 24.089 | 3516 | 3523 | 3531 | rBV | 72824 | 172884 | 13.11% | 1.025% |
| 64 | 24.295 | 3550 | 3558 | 3569 | rBV6 | 51135 | 189569 | 14.38% | 1.124% |
| 65 | 24.559 | 3594 | 3603 | 3616 | rVB | 213062 | 717045 | 54.39% | 4.252% |
| 66 | 24.706 | 3618 | 3628 | 3640 | rVB | 326421 | 940208 | 71.32% | 5.575% |
| 67 | 24.847 | 3643 | 3652 | 3660 | rBV2 | 155312 | 484173 | 36.73% | 2.871% |
| 68 | 28.525 | 4266 | 4278 | 4300 | rVB4 | 199585 | 1062702 | 80.61% | 6.301% |
| 69 | 28.989 | 4347 | 4357 | 4368 | rVB | 41320 | 162545 | 12.33% | 0.964% |
| 70 | 29.136 | 4375 | 4382 | 4395 | rVB4 | 30947 | 103609 | 7.86% | 0.614% |
| 71 | 29.676 | 4459 | 4474 | 4489 | rBV | 143186 | 707068 | 53.63% | 4.192% |
| 72 | 30.282 | 4568 | 4577 | 4597 | rVB3 | 51543 | 254720 | 19.32% | 1.510% |

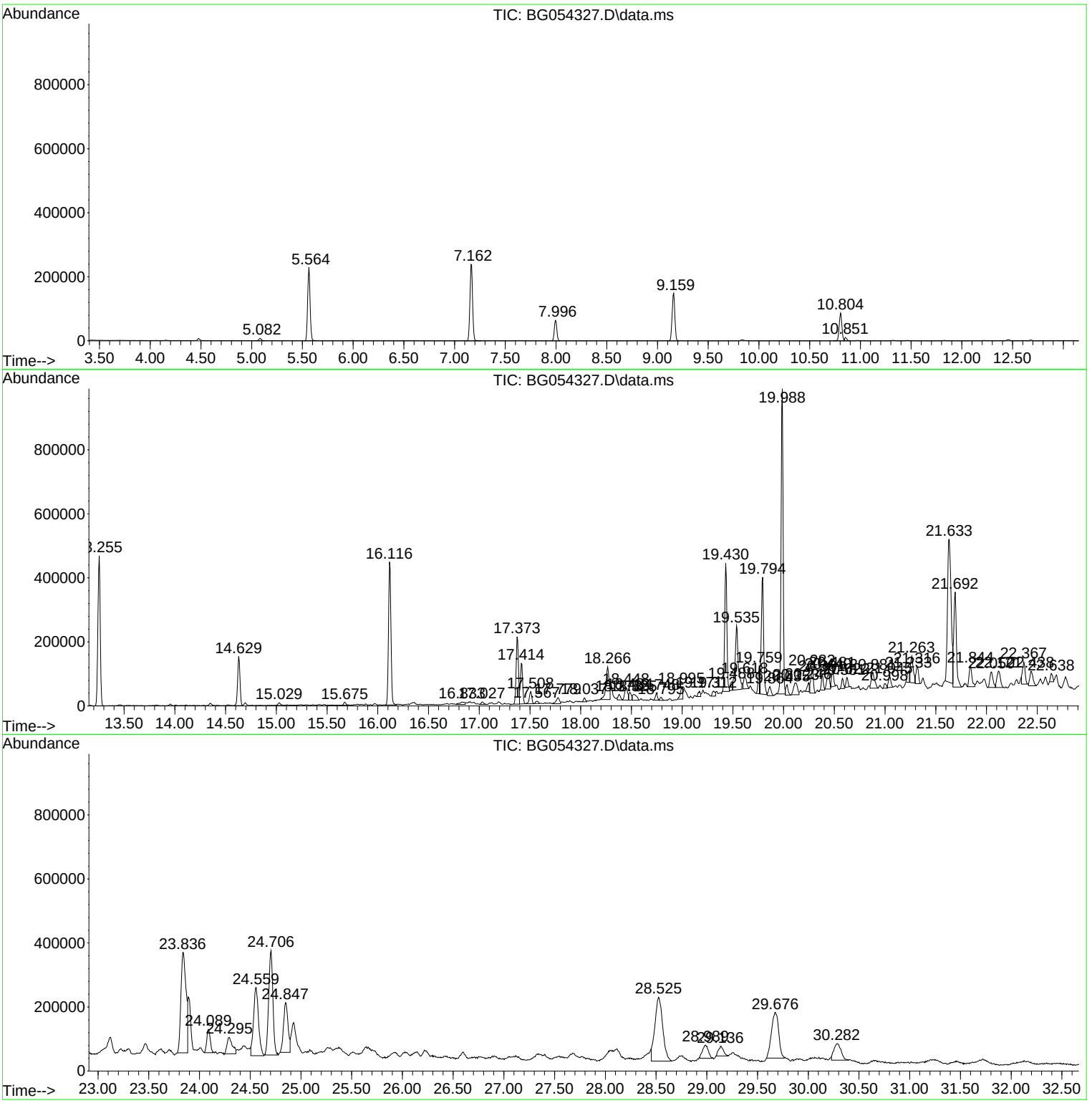
Sum of corrected areas: 16865184

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
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ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
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TP-1

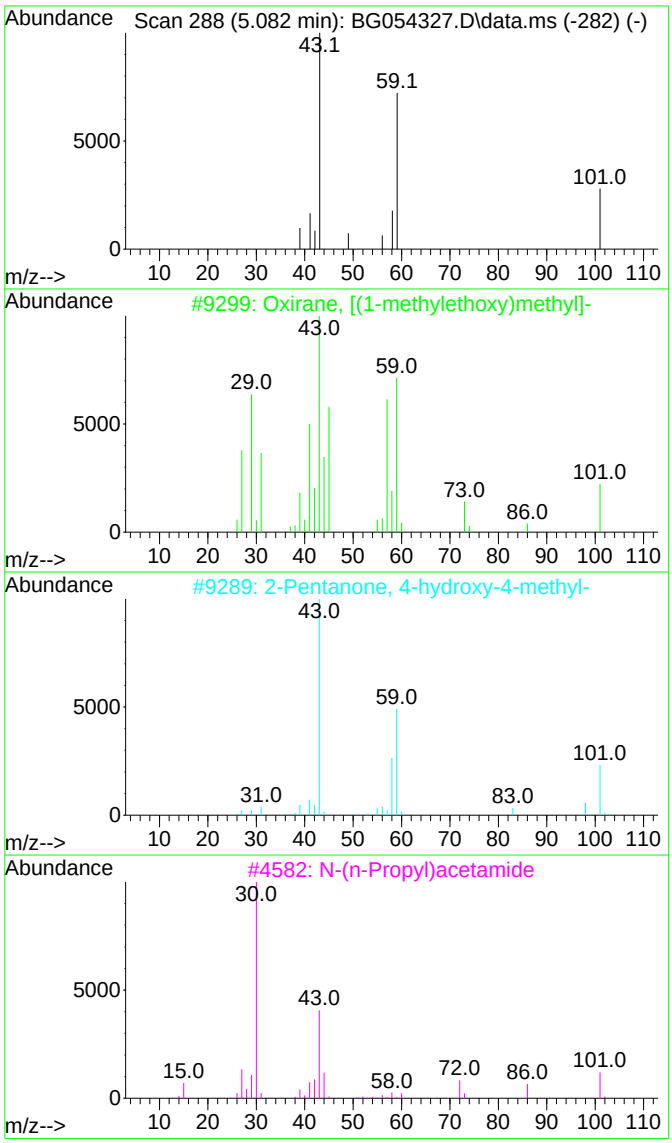
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

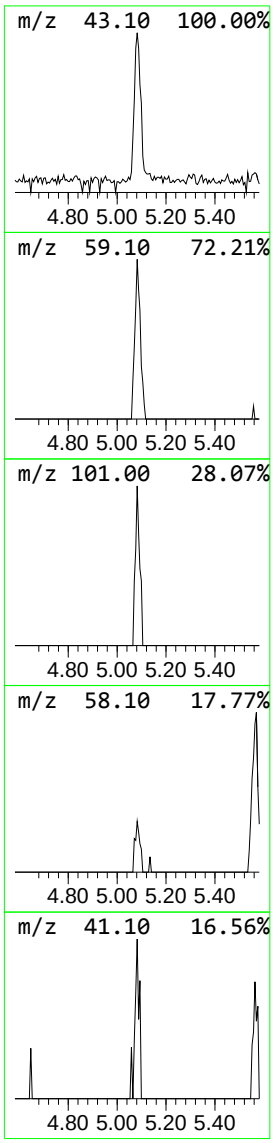
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Oxirane, [(1-methylethoxy)m... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.082 | 2.40 ng | 13204 | 1,4-Dichlorobenzene-d4 | 7.996 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, [(1-methylethoxy)methyl]- | 116 | C6H12O2 | 004016-14-2 | 74 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 3 | N-(n-Propyl)acetamide | 101 | C5H11NO | 005331-48-6 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 5 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 5 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

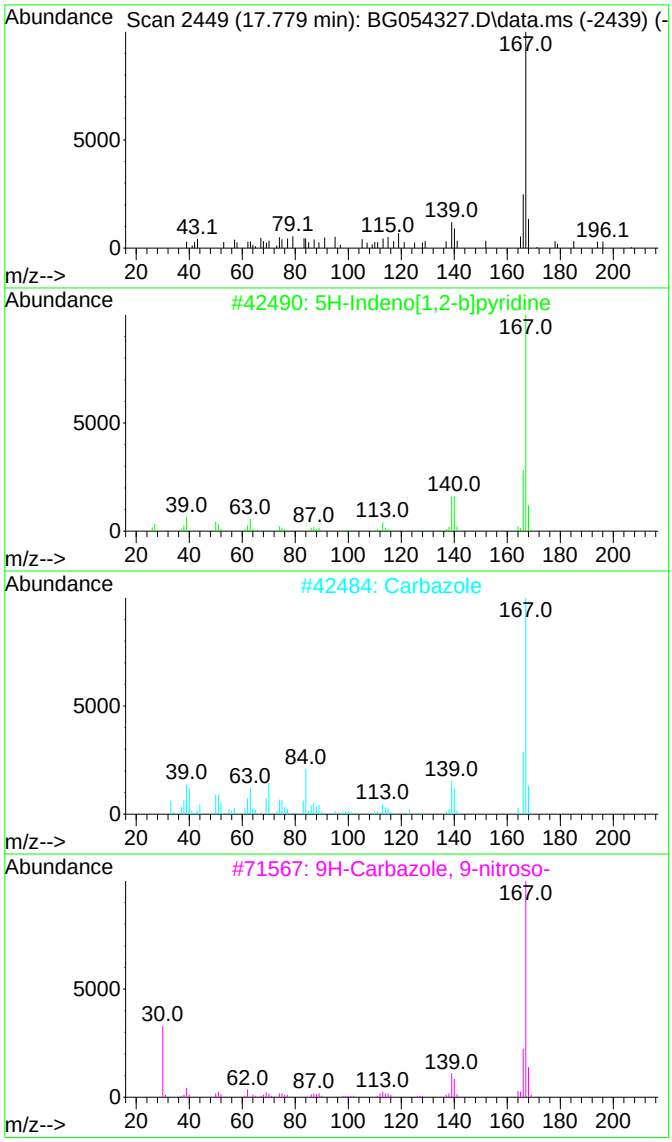
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

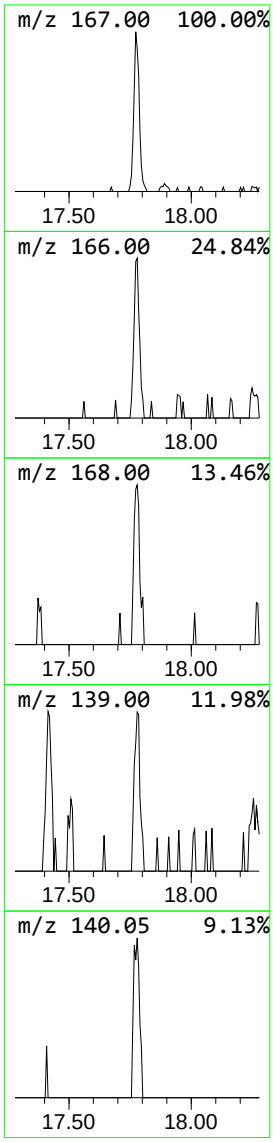
**********

Peak Number 2 5H-Indeno[1,2-b]pyridine Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.779 | 2.57 ng | 43092 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 86 |
| 2 | Carbazole | 167 | C12H9N | 000086-74-8 | 80 |
| 3 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 78 |
| 4 | 1H-Benzotriazole, 1-phenyl- | 195 | C12H9N3 | 000883-39-6 | 72 |
| 5 | 2-Azafluorene | 167 | C12H9N | 000244-40-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

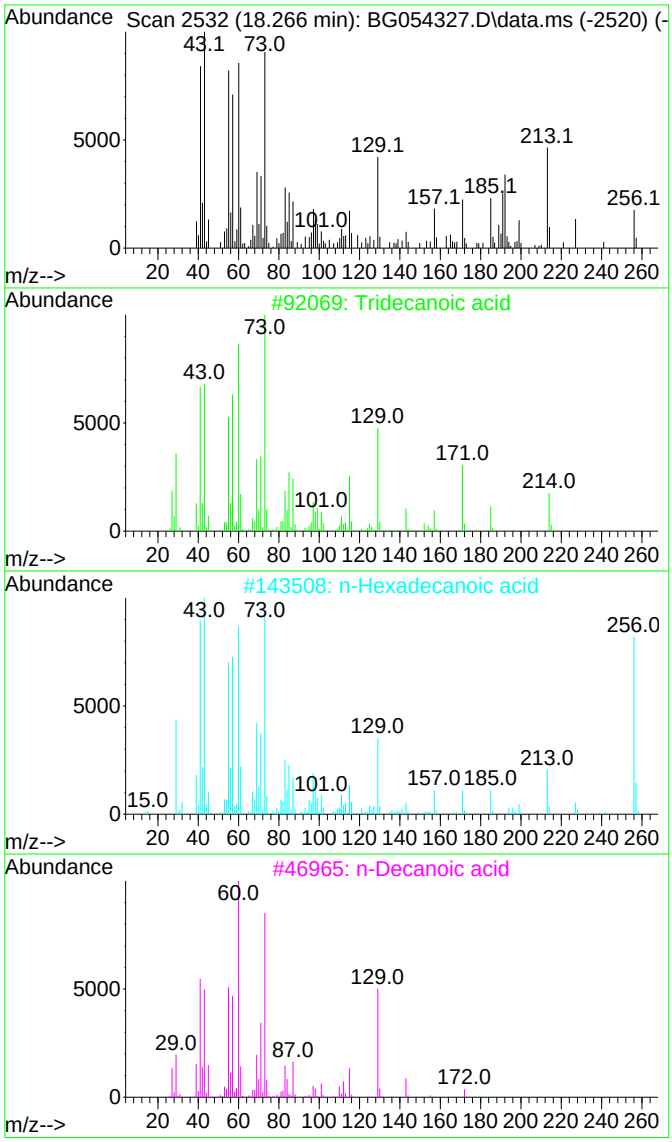
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

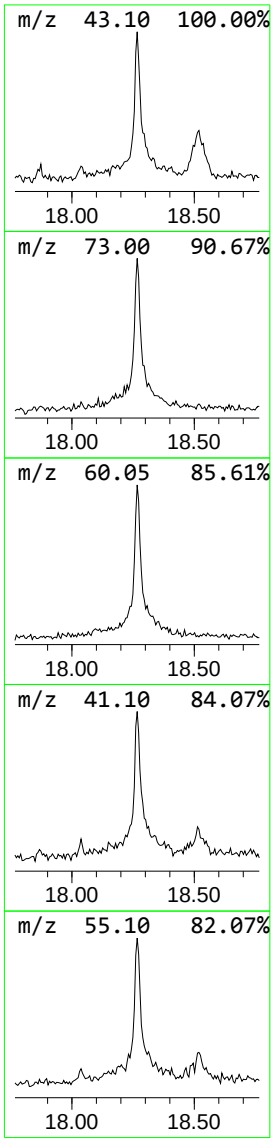
**********

Peak Number 3 Tridecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.266 | 13.24 ng | 222162 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 97 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 83 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 49 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
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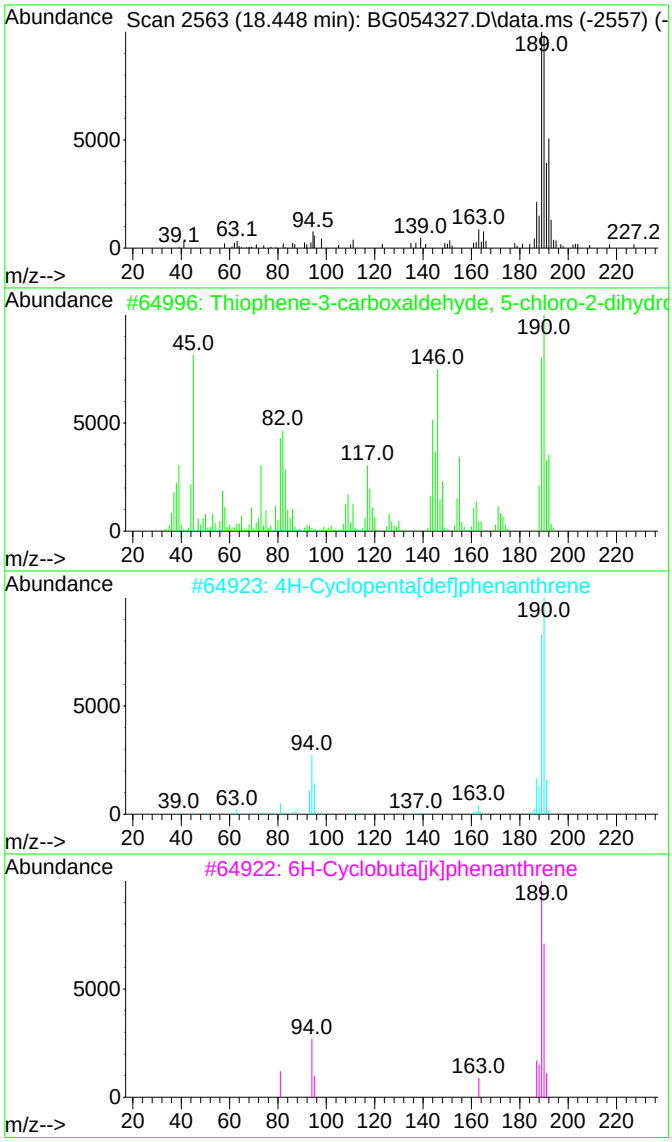
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

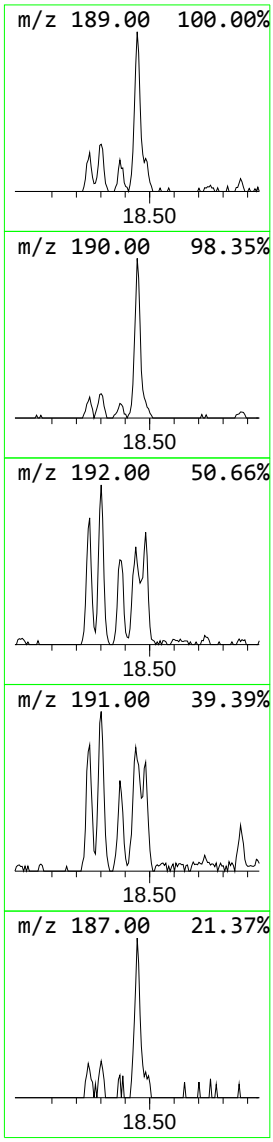
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Thiophene-3-carboxaldehyde,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.448 | 4.79 ng | 80407 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 80 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 62 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 50 |
| 4 | Cyclohexanone, 2-(2-furanylmethy... | 190 | C12H14O2 | 056053-07-7 | 27 |
| 5 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

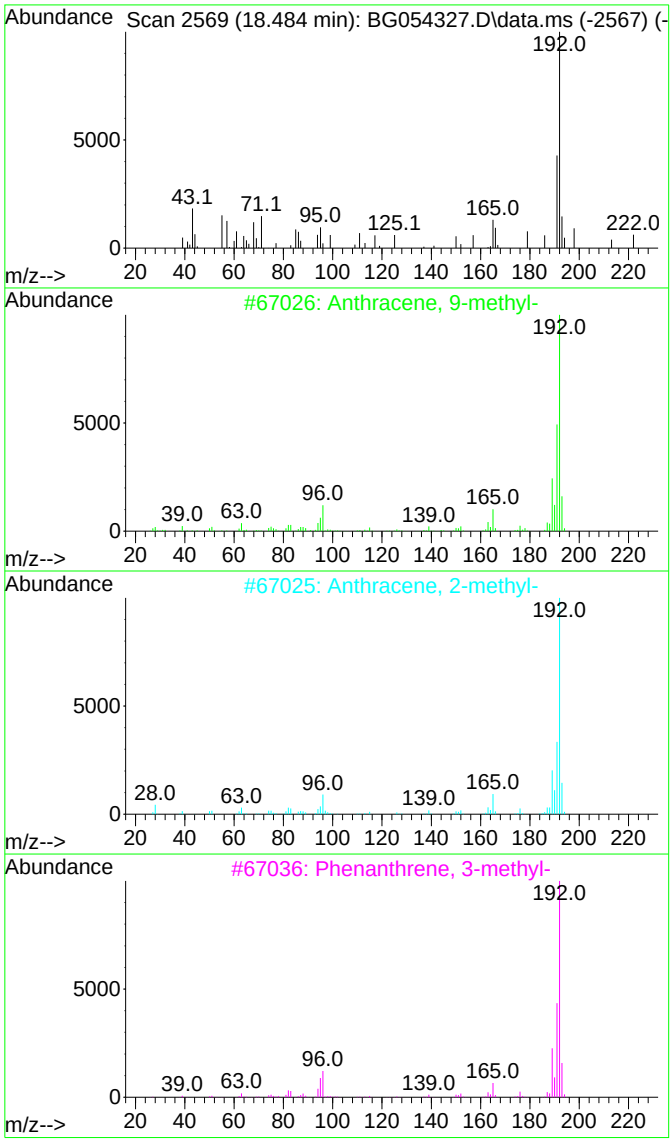
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

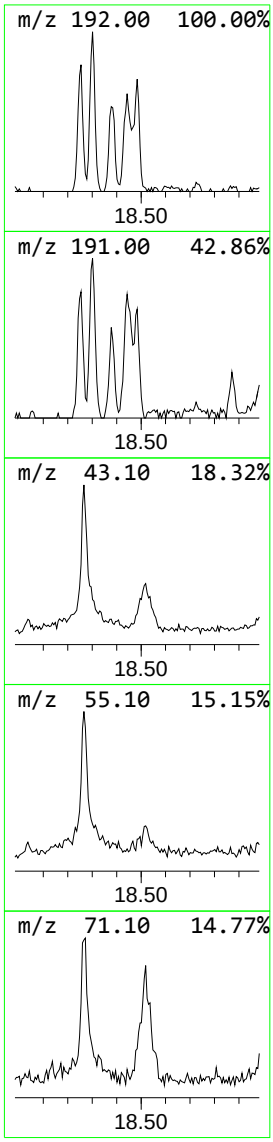
**********

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.484 | 2.31 ng | 38709 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 72 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 72 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 72 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 72 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

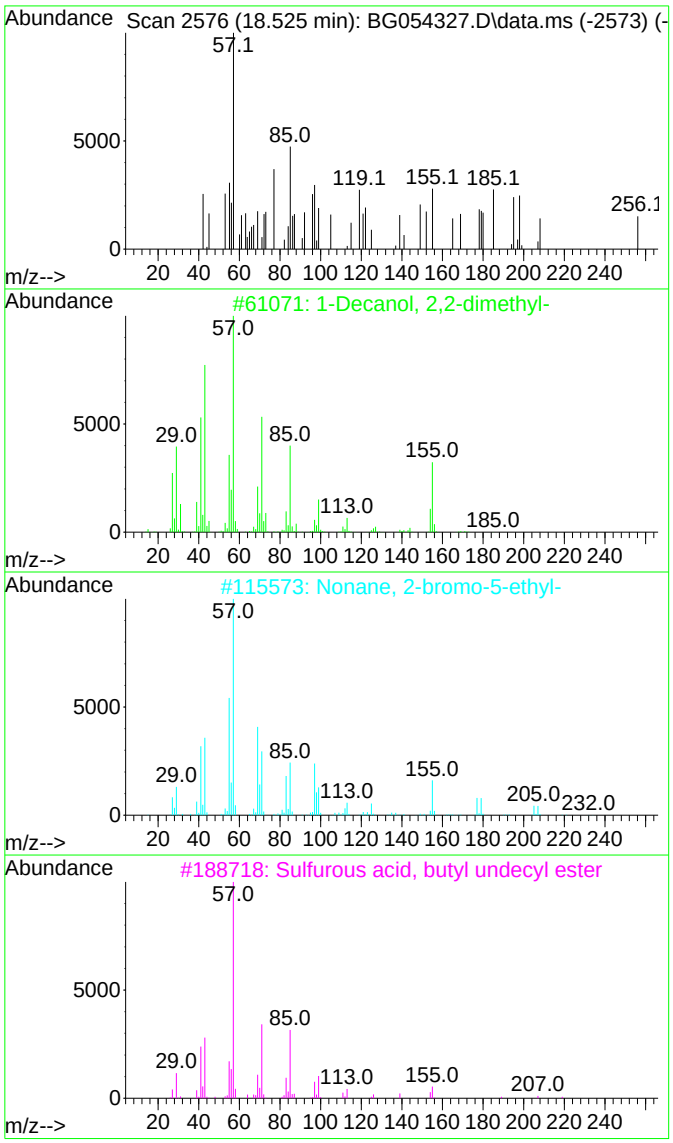
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

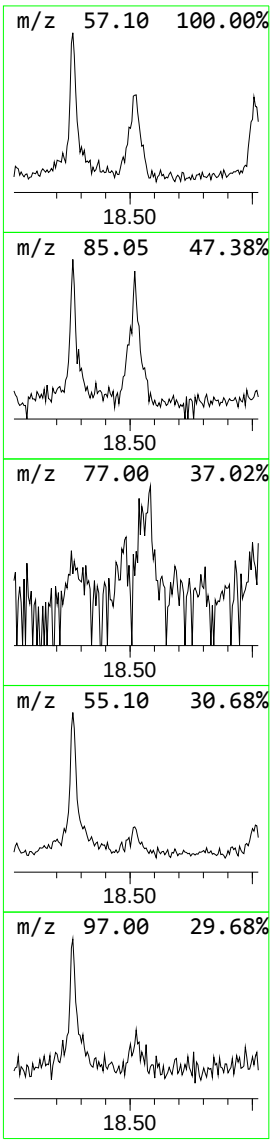
**********

Peak Number 6 unknown18.525 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.525 | 2.97 ng | 49791 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Decanol, 2,2-dimethyl- | 186 | C12H26O | 002370-15-2 | 10 |
| 2 | Nonane, 2-bromo-5-ethyl- | 234 | C11H23Br | 055162-38-4 | 10 |
| 3 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 10 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 10 |
| 5 | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 10 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

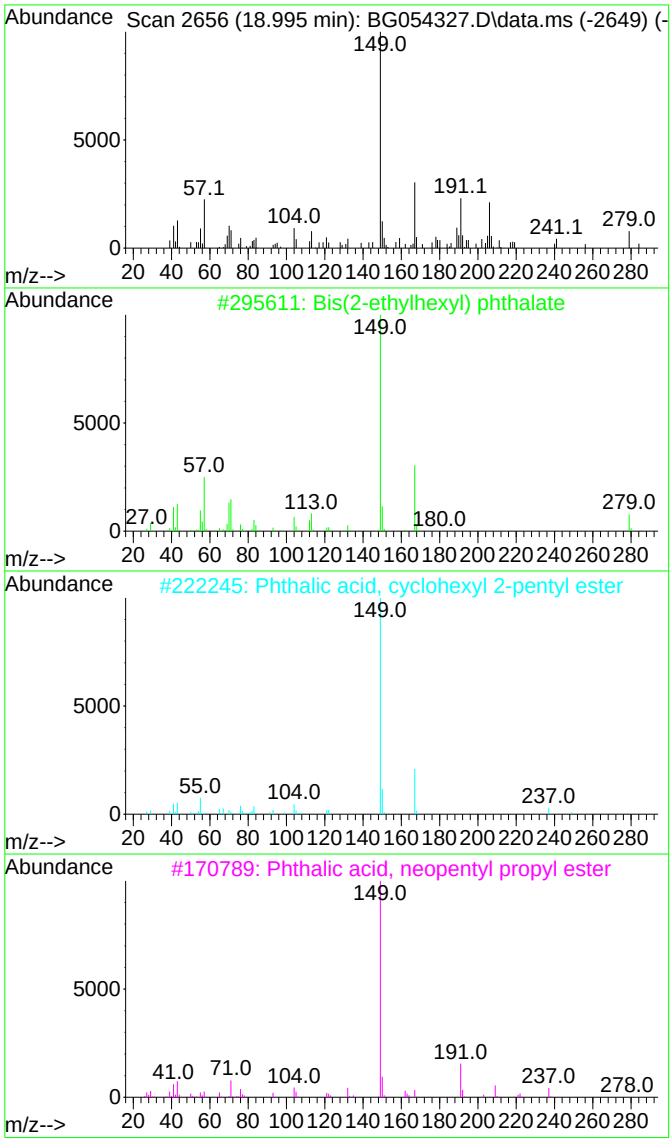
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

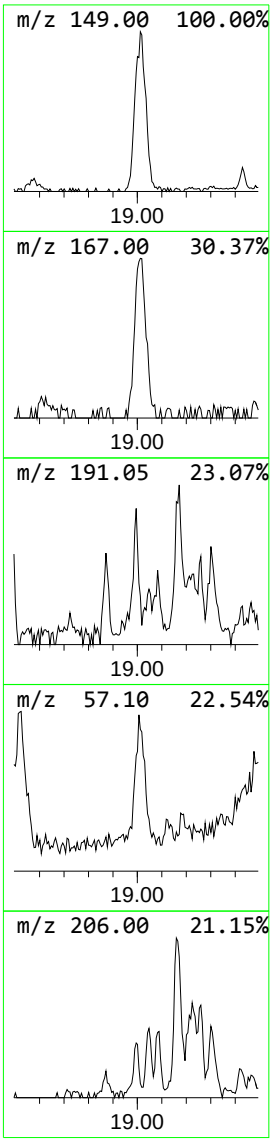
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Phthalic acid, cyclohexyl 2... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.995 | 3.92 ng | 65726 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bis(2-ethylhexyl) phthalate | 390 | C24H38O4 | 000117-81-7 | 52 |
| 2 | Phthalic acid, cyclohexyl 2-pent... | 318 | C19H26O4 | 1000315-55-3 | 50 |
| 3 | Phthalic acid, neopentyl propyl ... | 278 | C16H22O4 | 1000308-97-2 | 50 |
| 4 | Phthalic acid, cycloheptyl isohe... | 346 | C21H30O4 | 1000322-83-1 | 50 |
| 5 | Phthalic acid, 2-ethylhexyl isoh... | 362 | C22H34O4 | 1000308-98-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

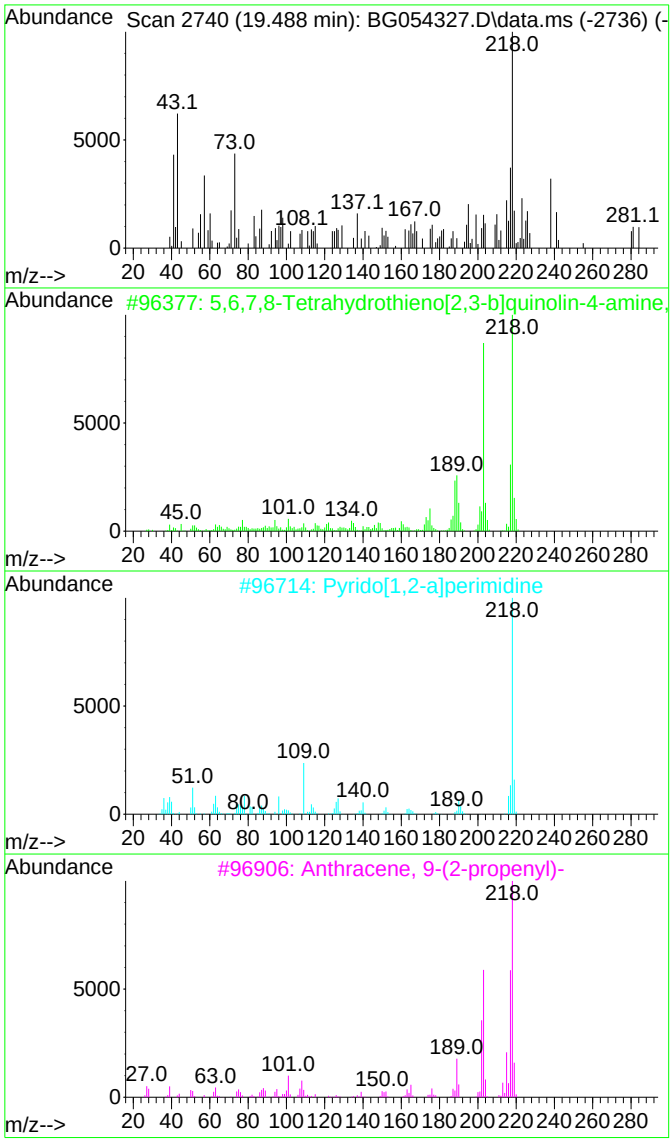
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

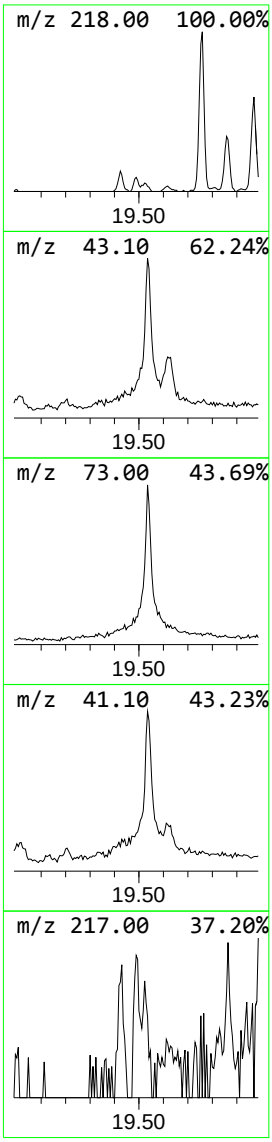
**********

Peak Number 8 unknown19.488 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.488 | 2.32 ng | 38990 | Phenanthrene-d10 | 17.373 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 218 | C12H14N2S | 134315-44-9 | 41 |
| 2 | Pyrido[1,2-a]perimidine | 218 | C15H10N2 | 000200-42-0 | 38 |
| 3 | Anthracene, 9-(2-propenyl)- | 218 | C17H14 | 023707-65-5 | 38 |
| 4 | 4H-Benzo[e]pyrido[1,2-a]benzimid... | 218 | C15H10N2 | 000239-25-8 | 38 |
| 5 | 5H-Dibenz[b,f]azepine-5-carbonit... | 218 | C15H10N2 | 042787-75-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

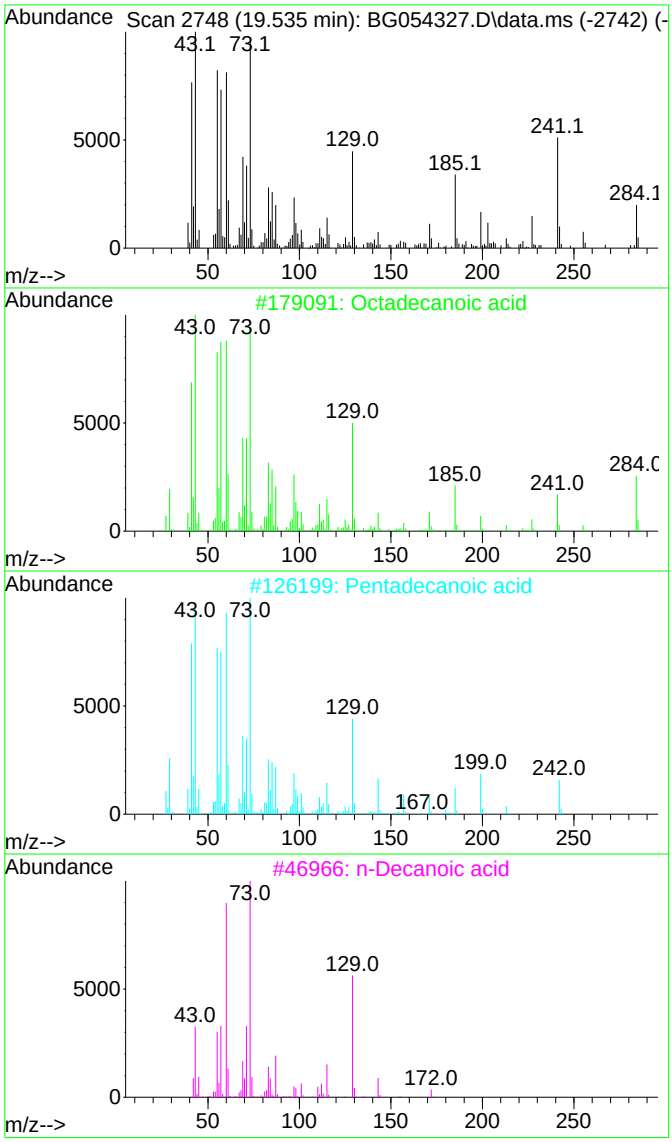
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

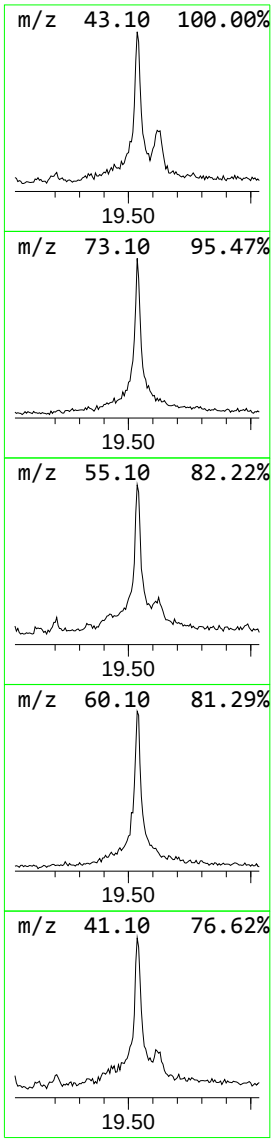
**********

Peak Number 9 Octadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.535 | 7.63 ng | 424013 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 94 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 83 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 70 |



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Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

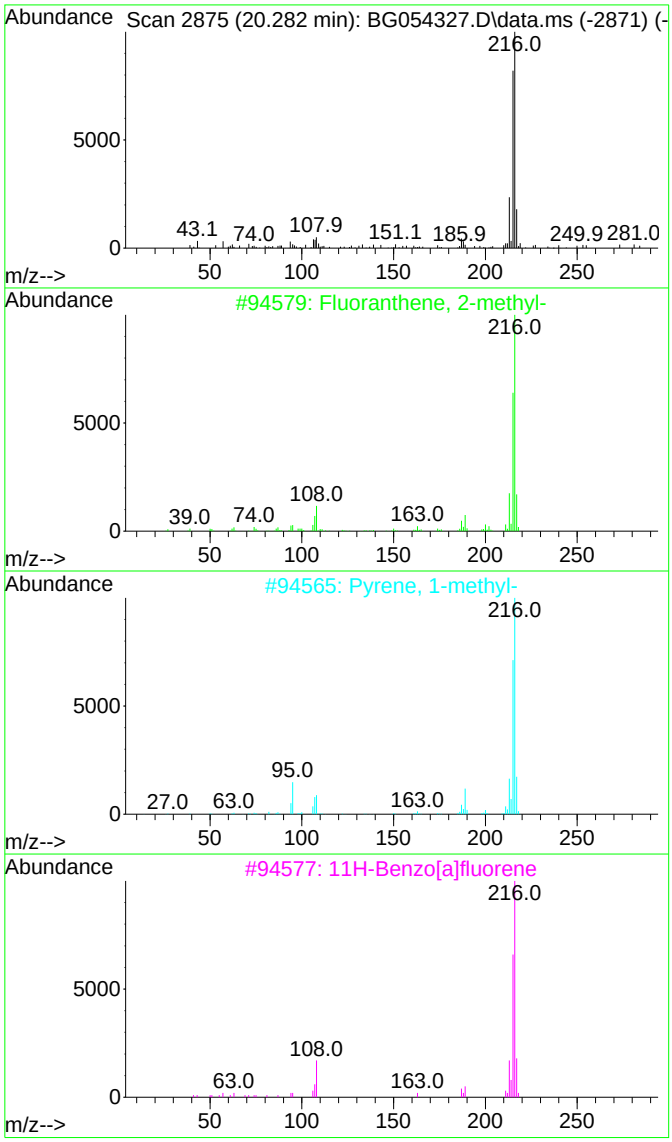
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

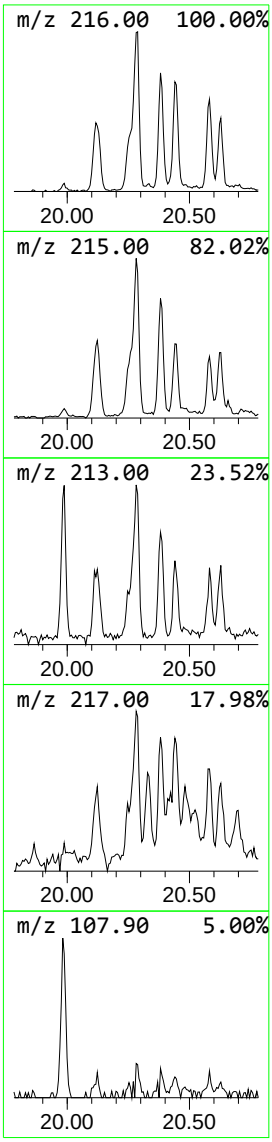
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.282 | 2.27 ng | 126407 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 83 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 80 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |
| 5 | .beta.-Carboline, 1,2,3,4-tetrah... | 260 | C14H16N2O3 | 029573-11-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

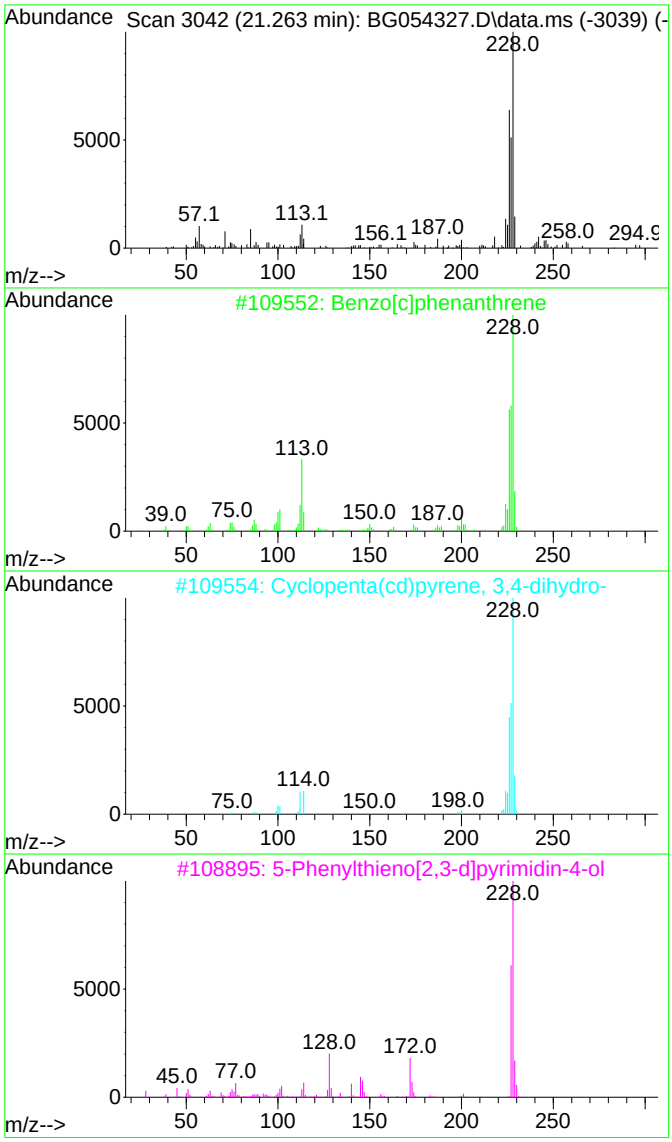
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

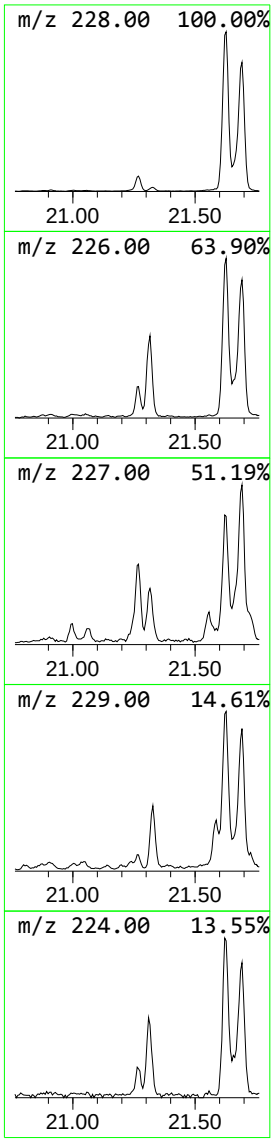
**********

Peak Number 11 Benzo[c]phenanthrene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.263 | 2.60 ng | 144655 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 53 |
| 2 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 50 |
| 3 | 5-Phenylthieno[2,3-d]pyrimidin-4-ol | 228 | C12H8N2OS | 035978-39-3 | 47 |
| 4 | Chrysene | 228 | C18H12 | 000218-01-9 | 45 |
| 5 | Triphenylene | 228 | C18H12 | 000217-59-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

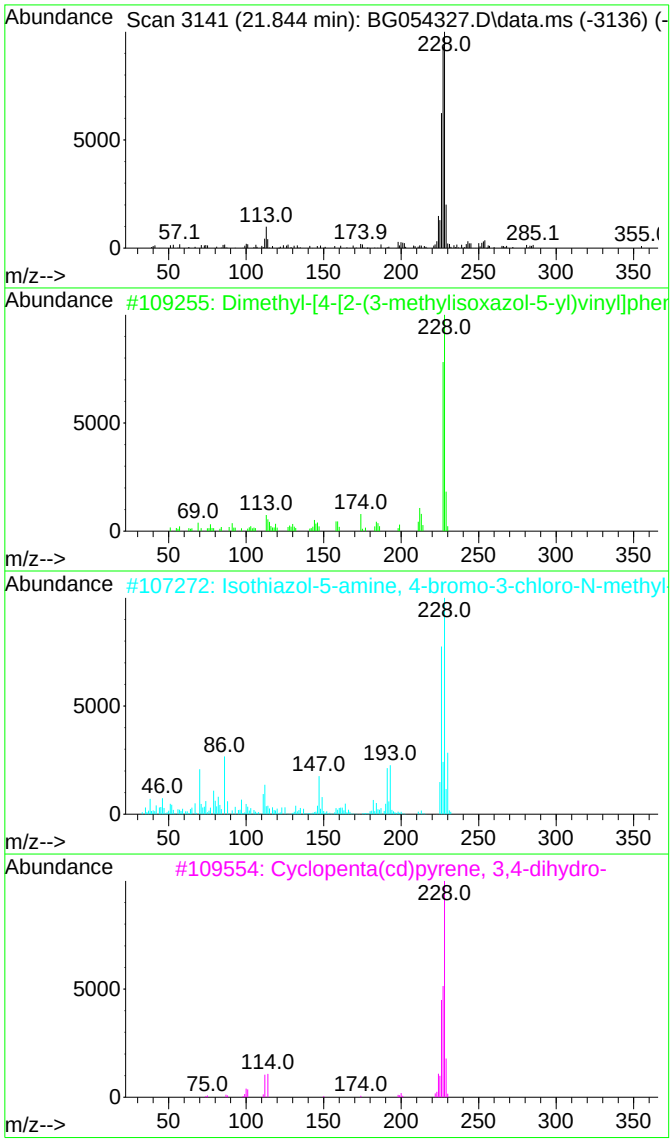
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

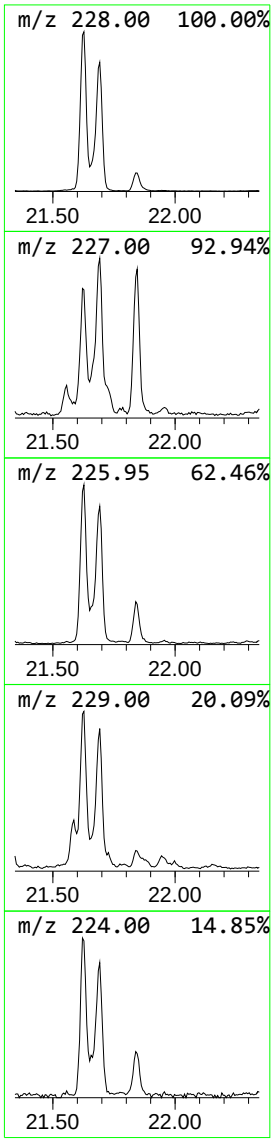
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.845 | 2.29 ng | 127270 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 50 |
| 2 | Isothiazol-5-amine, 4-bromo-3-ch... | 226 | C4H4BrClN2S | 1000272-59-9 | 47 |
| 3 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 46 |
| 4 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 46 |
| 5 | Triphenylene | 228 | C18H12 | 000217-59-4 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

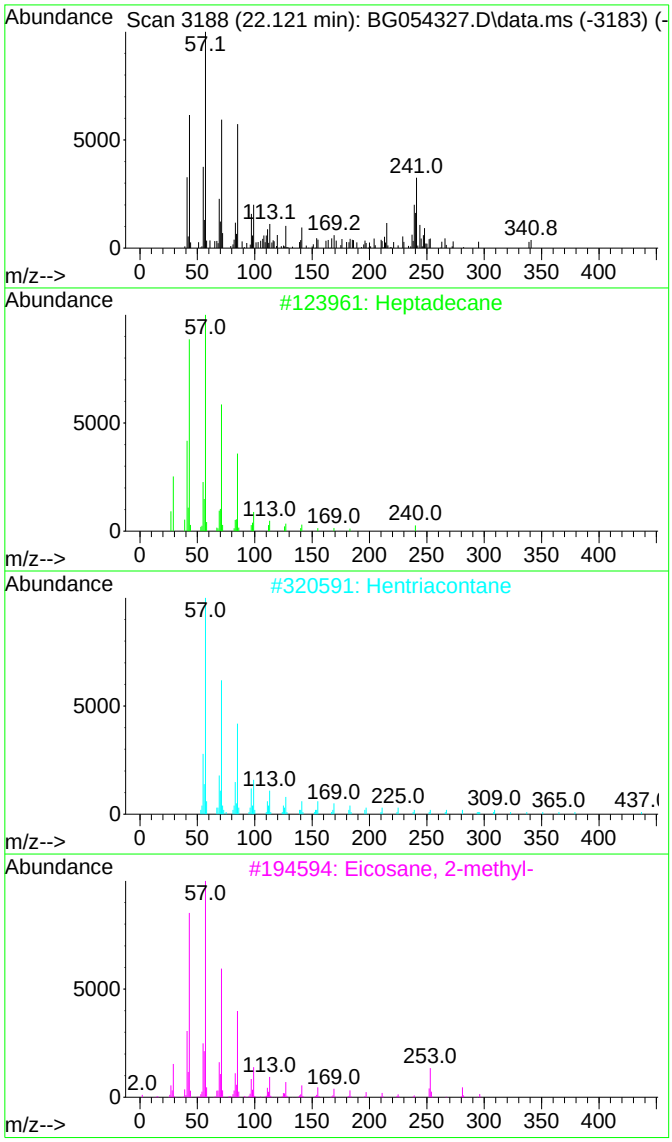
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

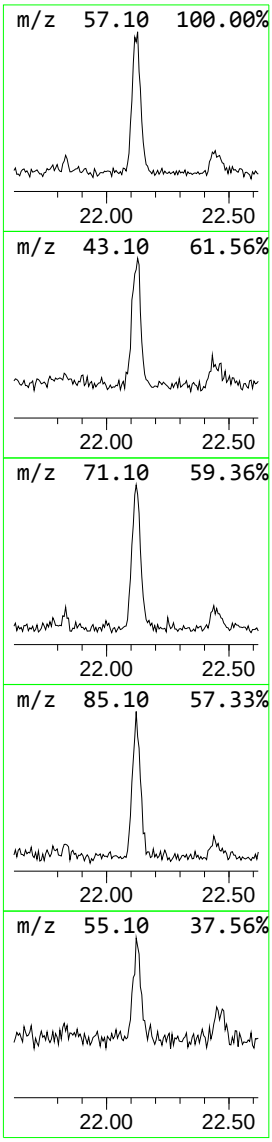
**********

Peak Number 13 Heptadecane Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.121 | 2.13 ng | 118144 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 49 |
| 3 | Eicosane, 2-methyl- | 296 | C21H44 | 001560-84-5 | 49 |
| 4 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 49 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

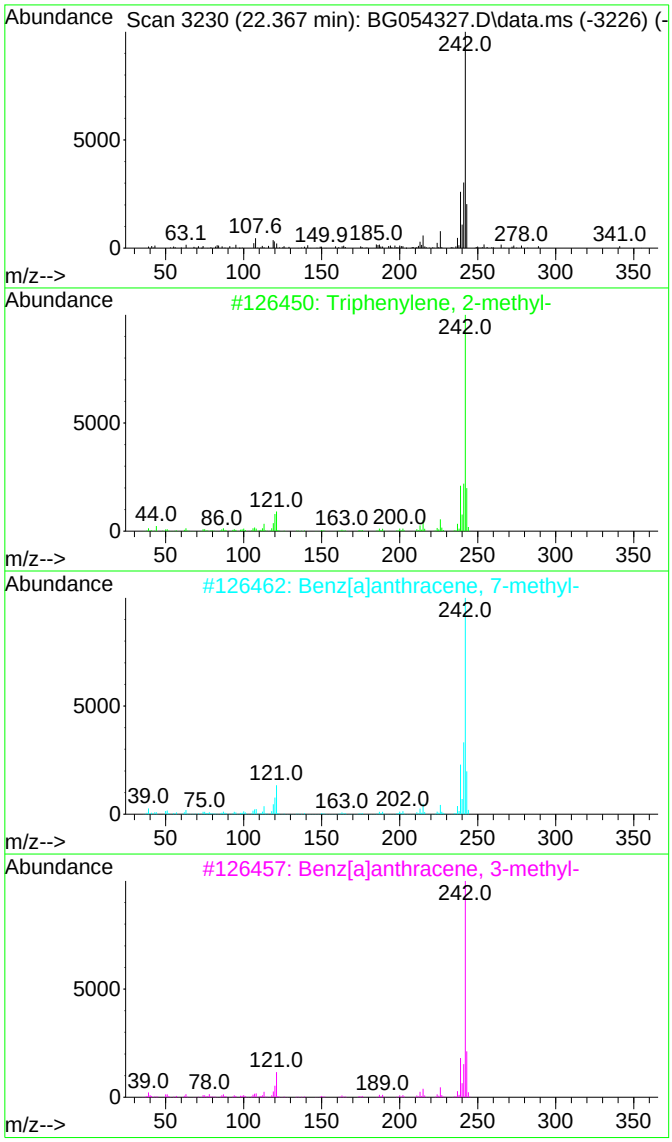
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

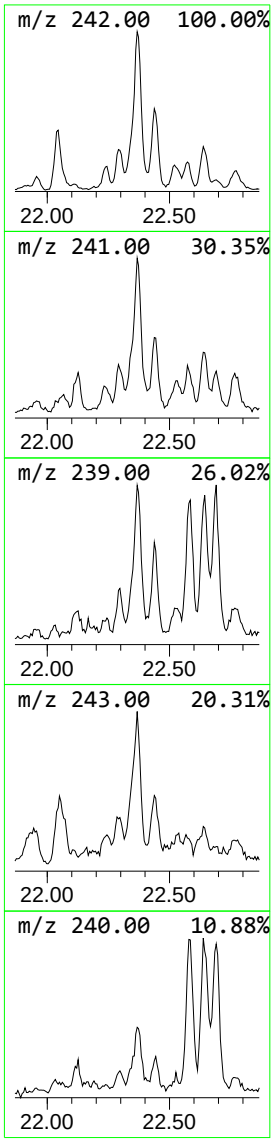
**********

Peak Number 14 Triphenylene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.367 | 2.22 ng | 123295 | Chrysene-d12 | 21.645 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylene, 2-methyl- | 242 | C19H14 | 001705-84-6 | 89 |
| 2 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 81 |
| 3 | Benz[a]anthracene, 3-methyl- | 242 | C19H14 | 002498-75-1 | 76 |
| 4 | Benz[a]anthracene, 2-methyl- | 242 | C19H14 | 002498-76-2 | 76 |
| 5 | Chrysene, 3-methyl- | 242 | C19H14 | 003351-31-3 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

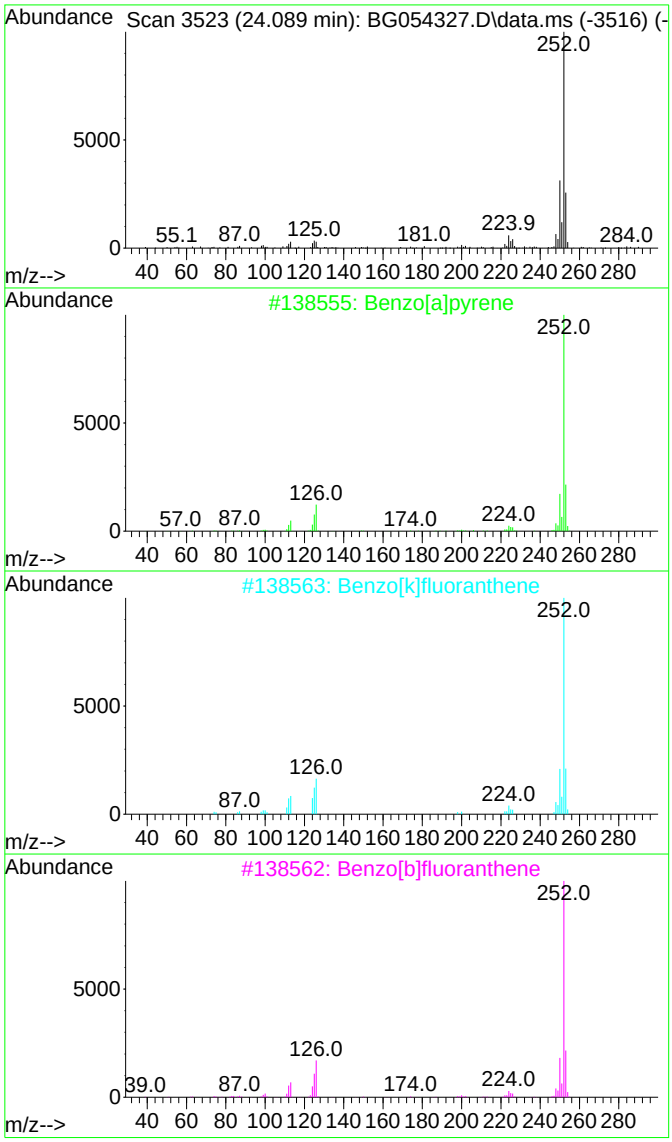
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

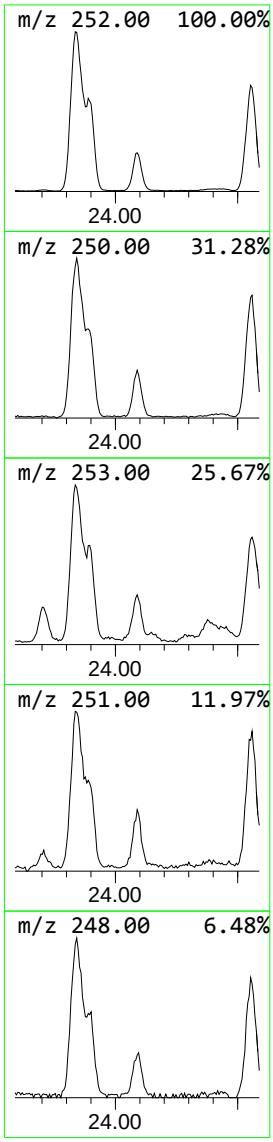
**********

Peak Number 15 Perylene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.089 | 7.14 ng | 172884 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 81 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 81 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 74 |
| 5 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

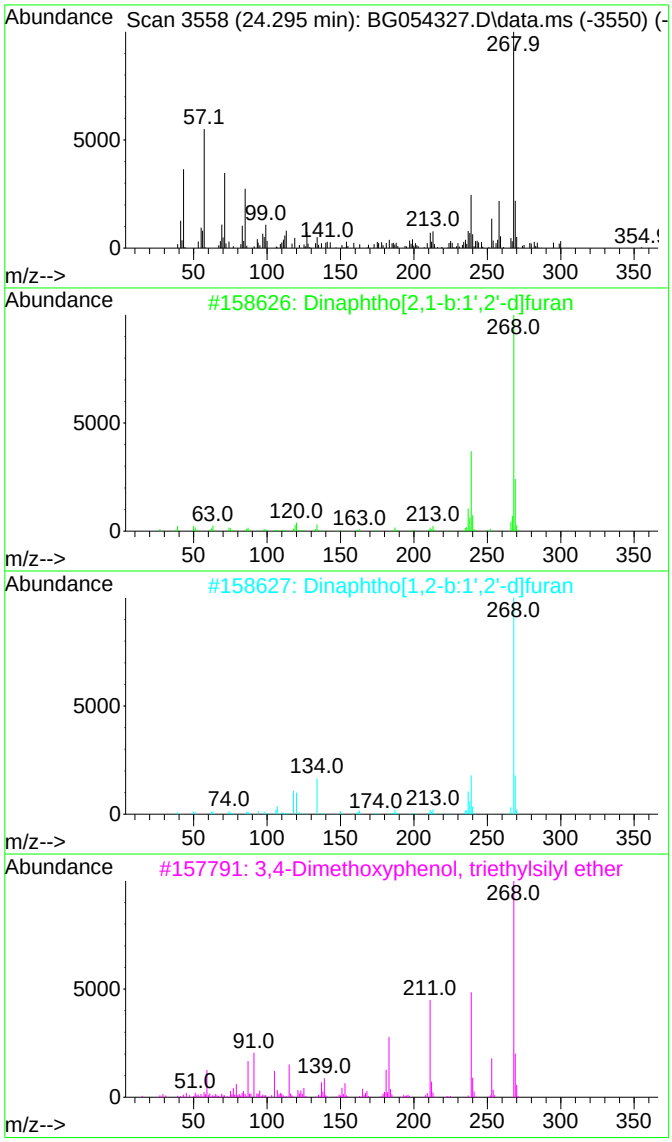
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

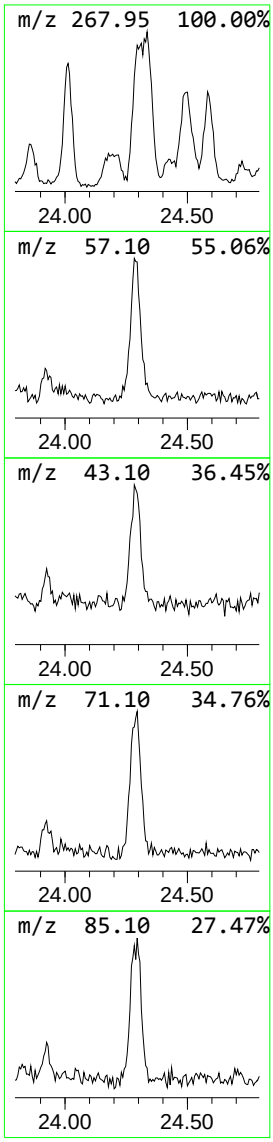
**********

Peak Number 16 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.294 | 7.83 ng | 189569 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[2,1-b:1',2'-d]furan | 268 | C20H12O | 000194-63-8 | 62 |
| 2 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 58 |
| 3 | 3,4-Dimethoxyphenol, triethylsil... | 268 | C14H24O3Si | 1000447-39-5 | 53 |
| 4 | 9,10-Anthracenedione, 1,5-dimeth... | 268 | C16H12O4 | 006448-90-4 | 53 |
| 5 | Disperse Red 11 | 268 | C15H12N2O3 | 002872-48-2 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

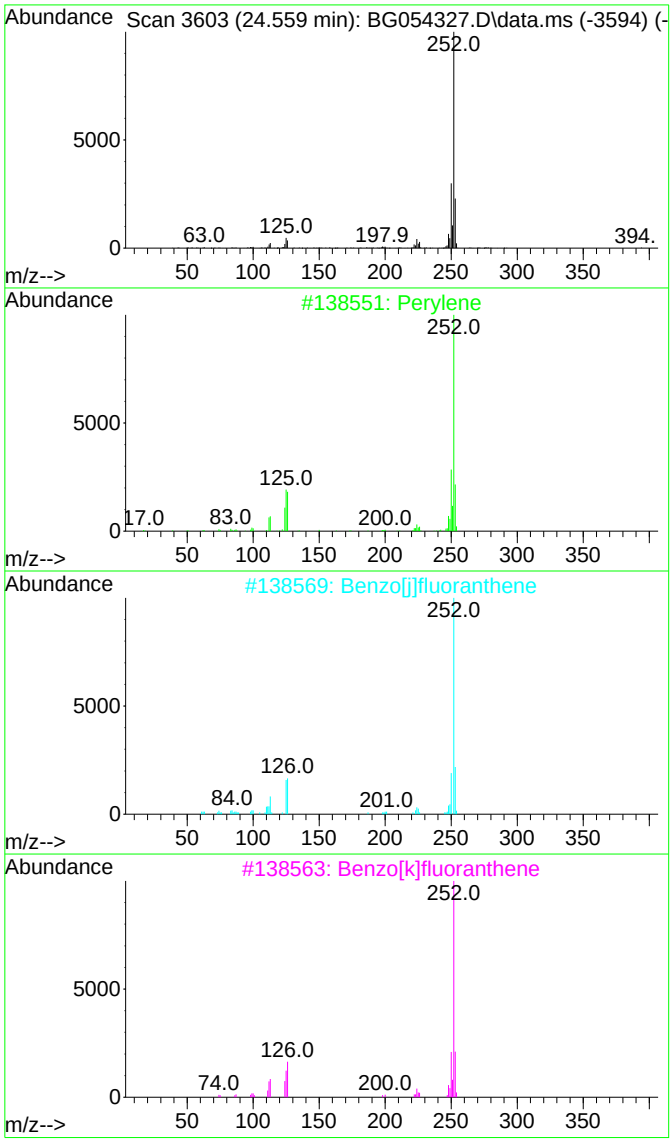
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

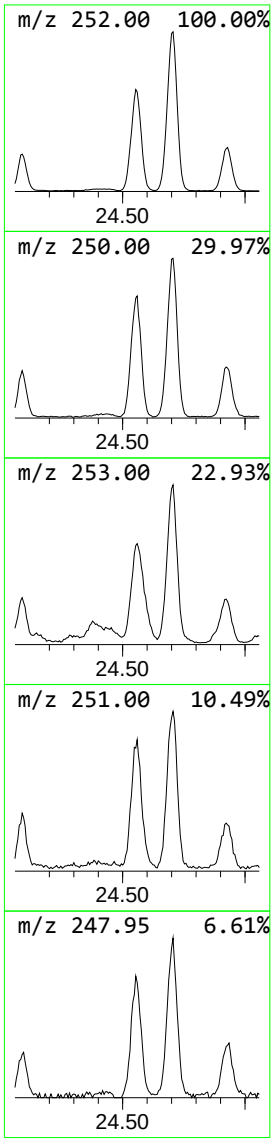
**********

Peak Number 17 Benzo[j]fluoranthene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.559 | 29.62 ng | 717045 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |



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Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

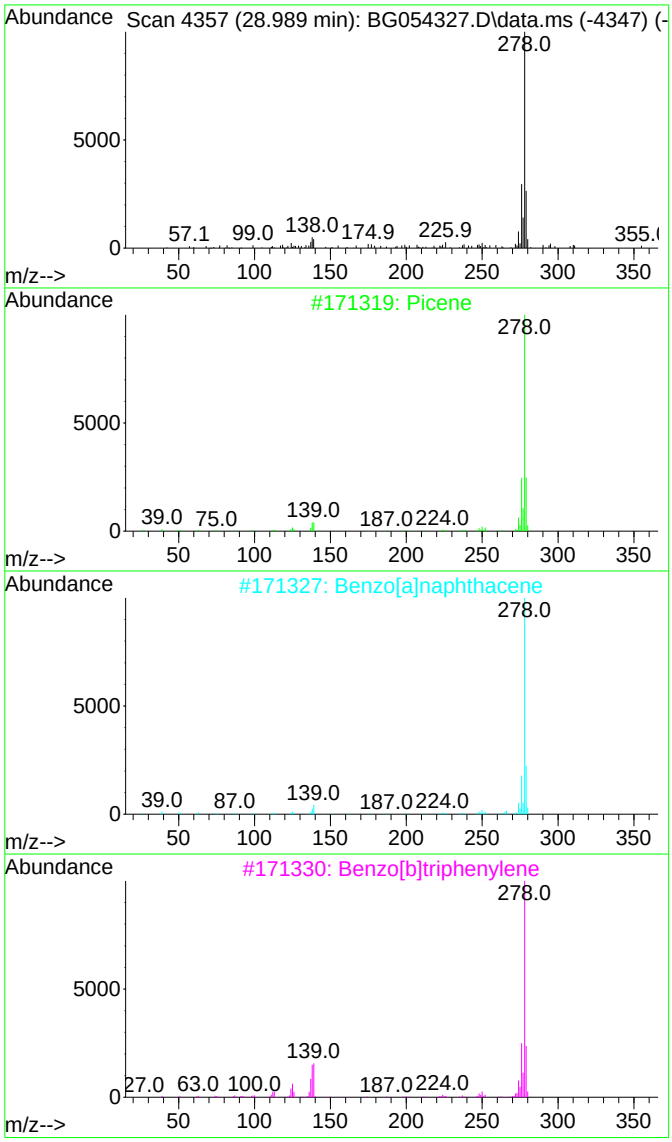
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

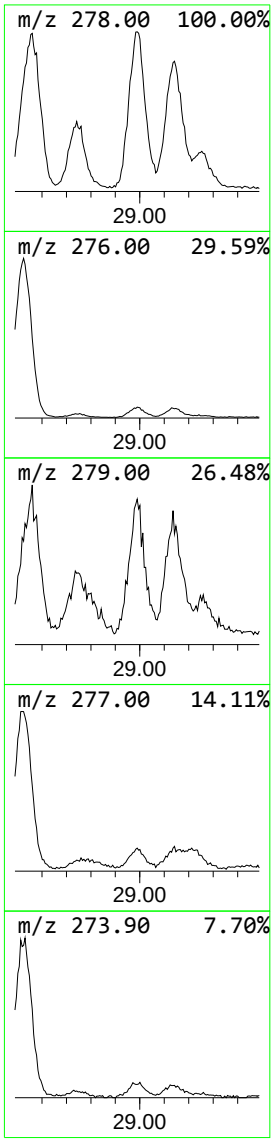
**********

Peak Number 18 Picene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.989 | 6.71 ng | 162545 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Picene | 278 | C22H14 | 000213-46-7 | 94 |
| 2 | Benzo[a]naphthacene | 278 | C22H14 | 000226-88-0 | 93 |
| 3 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 89 |
| 4 | Benzo[b]chrysene | 278 | C22H14 | 000214-17-5 | 89 |
| 5 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

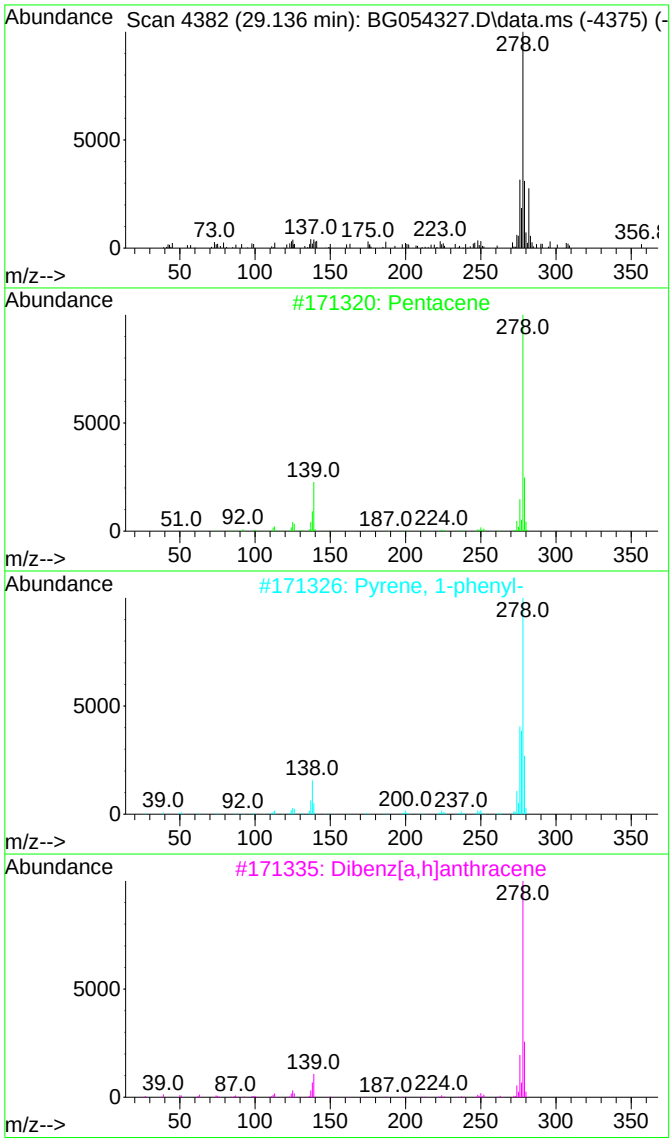
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

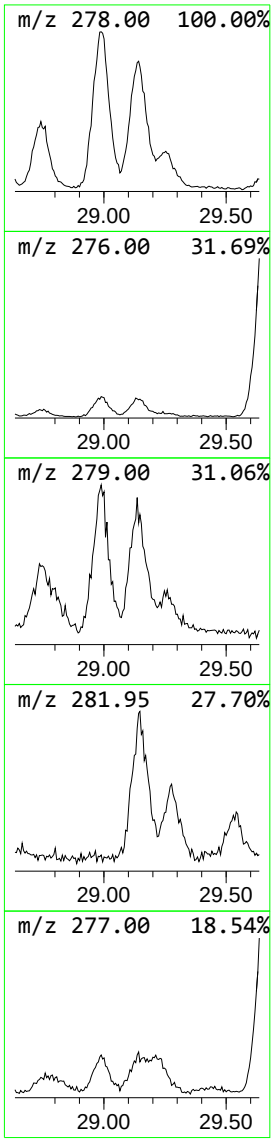
**********

Peak Number 19 Pentacene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.136 | 4.28 ng | 103609 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentacene | 278 | C22H14 | 000135-48-8 | 83 |
| 2 | Pyrene, 1-phenyl- | 278 | C22H14 | 005101-27-9 | 83 |
| 3 | Dibenz[a,h]anthracene | 278 | C22H14 | 000053-70-3 | 64 |
| 4 | Benzo[b]triphenylene | 278 | C22H14 | 000215-58-7 | 53 |
| 5 | Picene | 278 | C22H14 | 000213-46-7 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

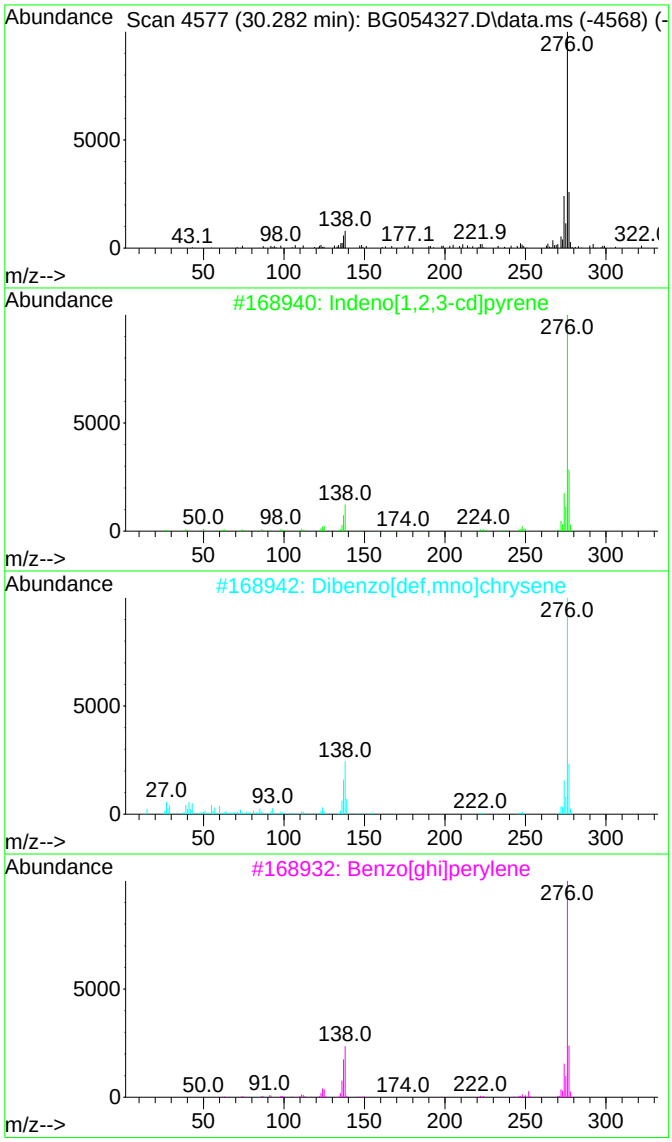
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

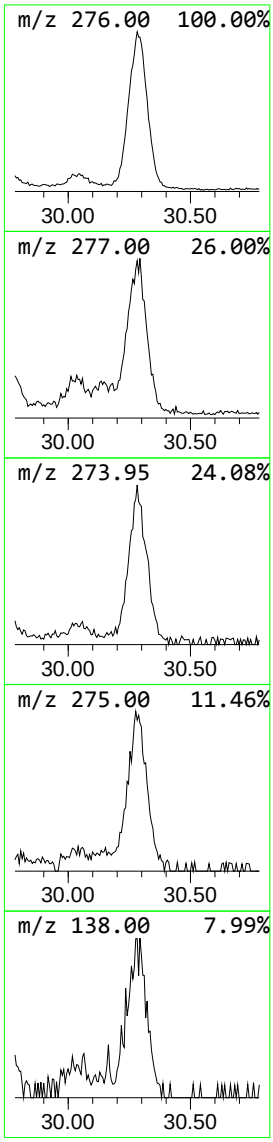
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.282 | 10.52 ng | 254720 | Perylene-d12 | 24.853 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indeno[1,2,3-cd]pyrene | 276 | C22H12 | 000193-39-5 | 90 |
| 2 | Dibenzo[def,mno]chrysene | 276 | C22H12 | 000191-26-4 | 81 |
| 3 | Benzo[ghi]perylene | 276 | C22H12 | 000191-24-2 | 74 |
| 4 | Indeno[1,2,3-cd]fluoranthene | 276 | C22H12 | 000193-43-1 | 59 |
| 5 | Naphthalen-1-yl-(3-nitro-benzyli... | 276 | C17H12N2O2 | 200421-53-0 | 53 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
Data File : BG054327.D
Acq On : 20 Jul 2022 14:35
Operator : CG/JU
Sample : N3756-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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 |
| Oxirane, [(1-me... | 5.082 | 2.4 | ng | 13204 | 1 | 7.996 | 110210 | 20.0 |
| 5H-Indeno[1,2-b... | 17.779 | 2.6 | ng | 43092 | 4 | 17.373 | 335545 | 20.0 |
| Tridecanoic acid | 18.266 | 13.2 | ng | 222162 | 4 | 17.373 | 335545 | 20.0 |
| Thiophene-3-car... | 18.448 | 4.8 | ng | 80407 | 4 | 17.373 | 335545 | 20.0 |
| Anthracene, 9-m... | 18.484 | 2.3 | ng | 38709 | 4 | 17.373 | 335545 | 20.0 |
| unknown18.525 | 18.525 | 3.0 | ng | 49791 | 4 | 17.373 | 335545 | 20.0 |
| Phthalic acid, ... | 18.995 | 3.9 | ng | 65726 | 4 | 17.373 | 335545 | 20.0 |
| unknown19.488 | 19.488 | 2.3 | ng | 38990 | 4 | 17.373 | 335545 | 20.0 |
| Octadecanoic acid | 19.535 | 7.6 | ng | 424013 | 5 | 21.645 | 1111730 | 20.0 |
| Fluoranthene, 2... | 20.282 | 2.3 | ng | 126407 | 5 | 21.645 | 1111730 | 20.0 |
| Benzo[c]phenant... | 21.263 | 2.6 | ng | 144655 | 5 | 21.645 | 1111730 | 20.0 |
| Dimethyl-[4-[2-... | 21.845 | 2.3 | ng | 127270 | 5 | 21.645 | 1111730 | 20.0 |
| Heptadecane | 22.121 | 2.1 | ng | 118144 | 5 | 21.645 | 1111730 | 20.0 |
| Triphenylene, 2... | 22.367 | 2.2 | ng | 123295 | 5 | 21.645 | 1111730 | 20.0 |
| Perylene | 24.089 | 7.1 | ng | 172884 | 6 | 24.853 | 484173 | 20.0 |
| Dinaphtho[2,1-b... | 24.294 | 7.8 | ng | 189569 | 6 | 24.853 | 484173 | 20.0 |
| Benzo[j]fluoran... | 24.559 | 29.6 | ng | 717045 | 6 | 24.853 | 484173 | 20.0 |
| Picene | 28.989 | 6.7 | ng | 162545 | 6 | 24.853 | 484173 | 20.0 |
| Pentacene | 29.136 | 4.3 | ng | 103609 | 6 | 24.853 | 484173 | 20.0 |
| Dibenzo[def,mno... | 30.282 | 10.5 | ng | 254720 | 6 | 24.853 | 484173 | 20.0 |