LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

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-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064553.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.415 | 390 | 396 | 404 | rBV | 178958 | 287247 | 33.67% | 4.822% |
| 2 | 7.001 | 659 | 666 | 678 | rBV | 174883 | 305012 | 35.75% | 5.120% |
| 3 | 7.818 | 798 | 805 | 813 | rBV | 60734 | 97176 | 11.39% | 1.631% |
| 4 | 8.976 | 993 | 1002 | 1010 | rBV | 112034 | 200722 | 23.53% | 3.370% |
| 5 | 10.603 | 1271 | 1279 | 1287 | rBV | 73904 | 130237 | 15.27% | 2.186% |
| 6 | 13.071 | 1692 | 1699 | 1709 | rBV | 312680 | 486418 | 57.02% | 8.166% |
| 7 | 14.169 | 1881 | 1886 | 1893 | rBV2 | 6945 | 12645 | 1.48% | 0.212% |
| 8 | 14.446 | 1926 | 1933 | 1942 | rBV | 120113 | 192572 | 22.57% | 3.233% |
| 9 | 15.803 | 2157 | 2164 | 2170 | rBV2 | 34195 | 50492 | 5.92% | 0.848% |
| 10 | 15.938 | 2180 | 2187 | 2200 | rBV | 301549 | 471943 | 55.32% | 7.923% |
| 11 | 16.502 | 2273 | 2283 | 2287 | rBV6 | 4566 | 12351 | 1.45% | 0.207% |
| 12 | 17.189 | 2394 | 2400 | 2404 | rBV2 | 163452 | 247232 | 28.98% | 4.150% |
| 13 | 17.231 | 2404 | 2407 | 2411 | rVB2 | 44741 | 63155 | 7.40% | 1.060% |
| 14 | 17.330 | 2418 | 2424 | 2428 | rVB4 | 6648 | 9224 | 1.08% | 0.155% |
| 15 | 17.383 | 2428 | 2433 | 2439 | rBV7 | 6568 | 14440 | 1.69% | 0.242% |
| 16 | 17.771 | 2495 | 2499 | 2502 | rVB5 | 7011 | 10836 | 1.27% | 0.182% |
| 17 | 17.912 | 2519 | 2523 | 2528 | rBV3 | 5228 | 10002 | 1.17% | 0.168% |
| 18 | 17.989 | 2528 | 2536 | 2537 | rBV6 | 5335 | 10149 | 1.19% | 0.170% |
| 19 | 18.059 | 2544 | 2548 | 2549 | rBV | 27423 | 26070 | 3.06% | 0.438% |
| 20 | 18.088 | 2550 | 2553 | 2567 | rVB5 | 73383 | 153983 | 18.05% | 2.585% |
| 21 | 18.253 | 2576 | 2581 | 2586 | rVV2 | 35921 | 65945 | 7.73% | 1.107% |
| 22 | 18.294 | 2586 | 2588 | 2594 | rVB3 | 25238 | 32245 | 3.78% | 0.541% |
| 23 | 18.376 | 2598 | 2602 | 2606 | rBV6 | 7352 | 8922 | 1.05% | 0.150% |
| 24 | 18.459 | 2612 | 2616 | 2622 | rVB6 | 8836 | 14539 | 1.70% | 0.244% |
| 25 | 18.511 | 2622 | 2625 | 2630 | rBV5 | 5971 | 10588 | 1.24% | 0.178% |
| 26 | 18.558 | 2630 | 2633 | 2637 | rVV2 | 13619 | 21016 | 2.46% | 0.353% |
| 27 | 18.605 | 2637 | 2641 | 2650 | rVB9 | 14421 | 29347 | 3.44% | 0.493% |
| 28 | 18.811 | 2673 | 2676 | 2679 | rVV3 | 11448 | 13234 | 1.55% | 0.222% |
| 29 | 18.858 | 2680 | 2684 | 2688 | rVV2 | 13097 | 20358 | 2.39% | 0.342% |
| 30 | 18.899 | 2688 | 2691 | 2694 | rVB5 | 9402 | 11344 | 1.33% | 0.190% |
| 31 | 18.981 | 2700 | 2705 | 2709 | rBV2 | 31192 | 48116 | 5.64% | 0.808% |
| 32 | 19.034 | 2709 | 2714 | 2718 | rBV6 | 14137 | 27733 | 3.25% | 0.466% |
| 33 | 19.075 | 2718 | 2721 | 2724 | rVB3 | 13733 | 16803 | 1.97% | 0.282% |
| 34 | 19.122 | 2724 | 2729 | 2732 | rBV6 | 16078 | 30050 | 3.52% | 0.504% |
| 35 | 19.240 | 2744 | 2749 | 2754 | rBV | 92459 | 129883 | 15.23% | 2.180% |
| 36 | 19.305 | 2757 | 2760 | 2764 | rBV6 | 9427 | 16252 | 1.91% | 0.273% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MH-20

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-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.363 | 2764 | 2770 | 2772 | rBV5 | 14097 | 20450 | 2.40% | 0.343% |
| 38 | 19.440 | 2780 | 2783 | 2788 | rVB6 | 8250 | 11498 | 1.35% | 0.193% |
| 39 | 19.487 | 2788 | 2791 | 2794 | rBV5 | 9072 | 10663 | 1.25% | 0.179% |
| 40 | 19.516 | 2794 | 2796 | 2802 | rVB7 | 11098 | 11064 | 1.30% | 0.186% |
| 41 | 19.604 | 2802 | 2811 | 2819 | rBV | 109935 | 198042 | 23.21% | 3.325% |
| 42 | 19.687 | 2819 | 2825 | 2829 | rVB5 | 17394 | 30439 | 3.57% | 0.511% |
| 43 | 19.739 | 2829 | 2834 | 2835 | rBV5 | 7074 | 9641 | 1.13% | 0.162% |
| 44 | 19.757 | 2835 | 2837 | 2840 | rVV4 | 8025 | 11794 | 1.38% | 0.198% |
| 45 | 19.810 | 2840 | 2846 | 2857 | rVB | 624252 | 853087 | 100.00% | 14.321% |
| 46 | 19.922 | 2862 | 2865 | 2867 | rBV4 | 15867 | 18860 | 2.21% | 0.317% |
| 47 | 20.021 | 2877 | 2882 | 2885 | rBV7 | 10521 | 17675 | 2.07% | 0.297% |
| 48 | 20.068 | 2885 | 2890 | 2891 | rVV4 | 22200 | 31767 | 3.72% | 0.533% |
| 49 | 20.092 | 2891 | 2894 | 2900 | rVB2 | 31863 | 55155 | 6.47% | 0.926% |
| 50 | 20.198 | 2908 | 2912 | 2917 | rBV3 | 17360 | 25171 | 2.95% | 0.423% |
| 51 | 20.256 | 2917 | 2922 | 2927 | rVV | 26760 | 44895 | 5.26% | 0.754% |
| 52 | 20.392 | 2942 | 2945 | 2949 | rBV | 22290 | 28292 | 3.32% | 0.475% |
| 53 | 20.444 | 2950 | 2954 | 2957 | rVB2 | 21570 | 23726 | 2.78% | 0.398% |
| 54 | 20.609 | 2980 | 2982 | 2986 | rBV5 | 10713 | 11991 | 1.41% | 0.201% |
| 55 | 20.850 | 3019 | 3023 | 3029 | rVB4 | 17354 | 31926 | 3.74% | 0.536% |
| 56 | 21.091 | 3060 | 3064 | 3068 | rVB4 | 28094 | 41376 | 4.85% | 0.695% |
| 57 | 21.414 | 3111 | 3119 | 3124 | rBV2 | 212478 | 420676 | 49.31% | 7.062% |
| 58 | 21.455 | 3124 | 3126 | 3134 | rVB | 54413 | 91658 | 10.74% | 1.539% |
| 59 | 22.172 | 3245 | 3248 | 3254 | rVB6 | 17713 | 28739 | 3.37% | 0.482% |
| 60 | 22.748 | 3344 | 3346 | 3348 | rBV3 | 7817 | 9143 | 1.07% | 0.153% |
| 61 | 22.795 | 3350 | 3354 | 3362 | rVB3 | 18594 | 45157 | 5.29% | 0.758% |
| 62 | 23.464 | 3460 | 3468 | 3473 | rBV3 | 32949 | 92154 | 10.80% | 1.547% |
| 63 | 23.699 | 3502 | 3508 | 3512 | rBV7 | 12321 | 24604 | 2.88% | 0.413% |
| 64 | 24.134 | 3575 | 3582 | 3589 | rVB | 22337 | 61389 | 7.20% | 1.031% |
| 65 | 24.264 | 3598 | 3604 | 3616 | rVB3 | 32096 | 87807 | 10.29% | 1.474% |
| 66 | 24.405 | 3620 | 3628 | 3637 | rVV2 | 126236 | 310696 | 36.42% | 5.216% |
| 67 | 27.331 | 4124 | 4126 | 4129 | rBV4 | 8510 | 8935 | 1.05% | 0.150% |

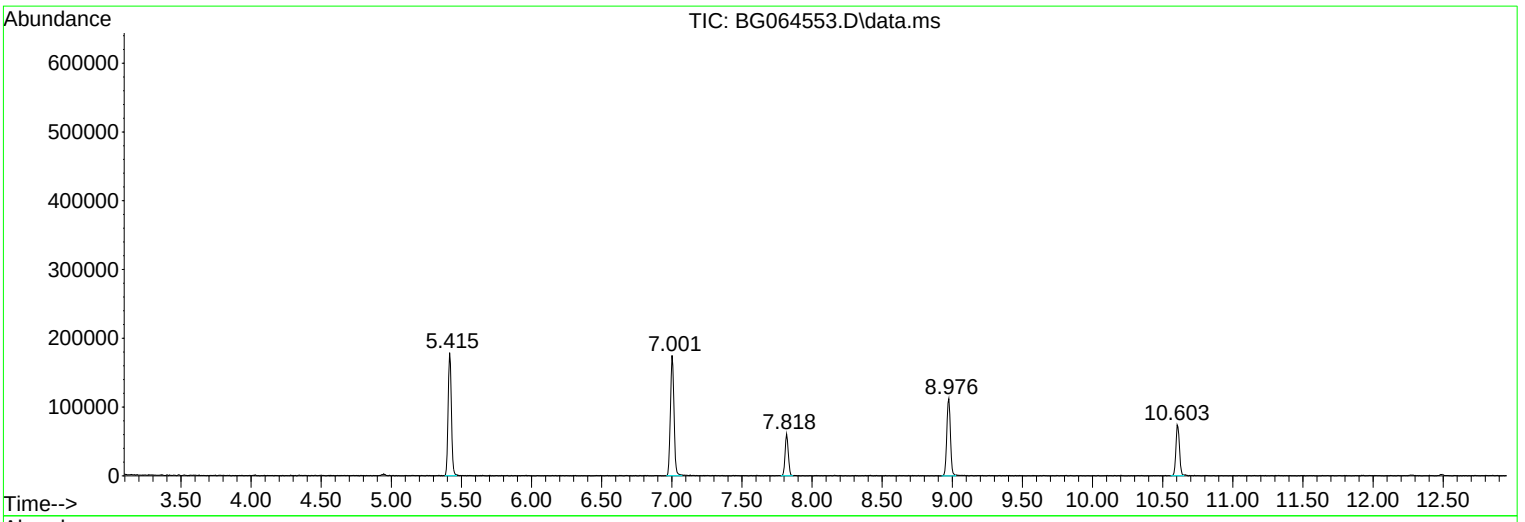
Sum of corrected areas: 5956751

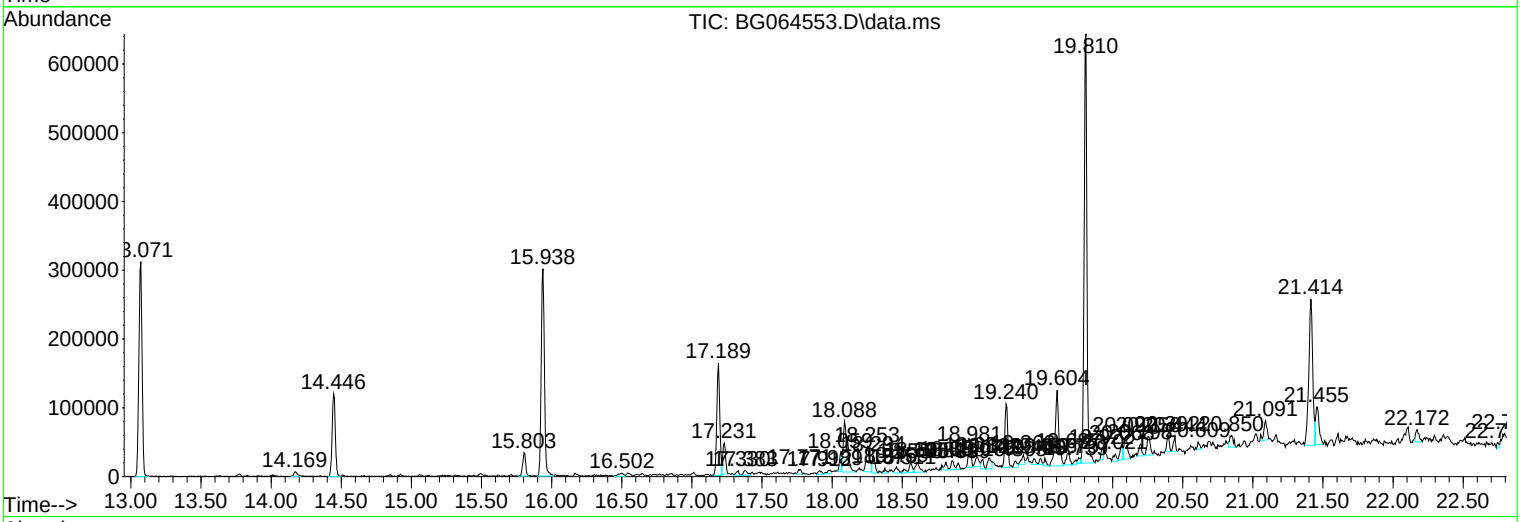
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

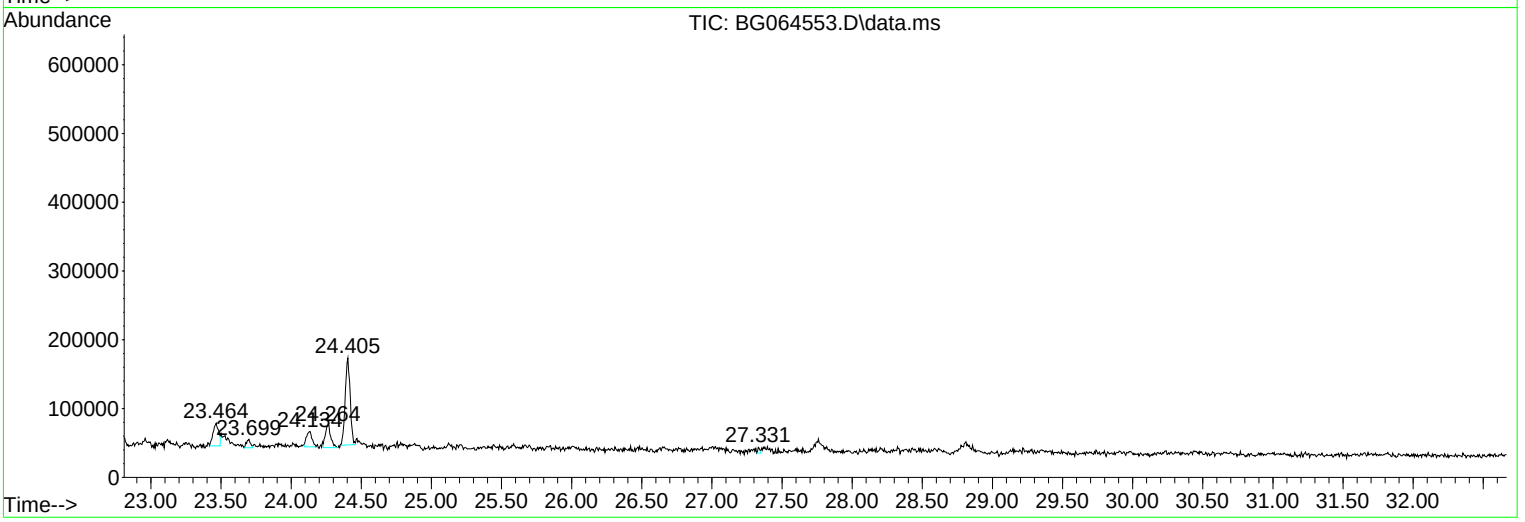
**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.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\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

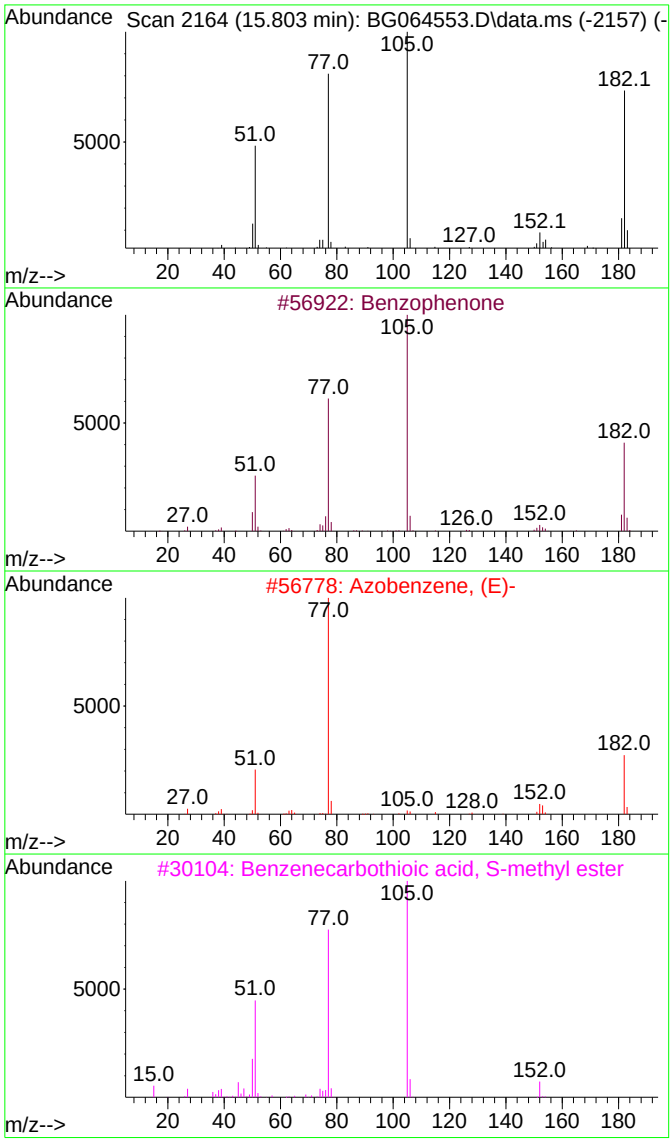
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

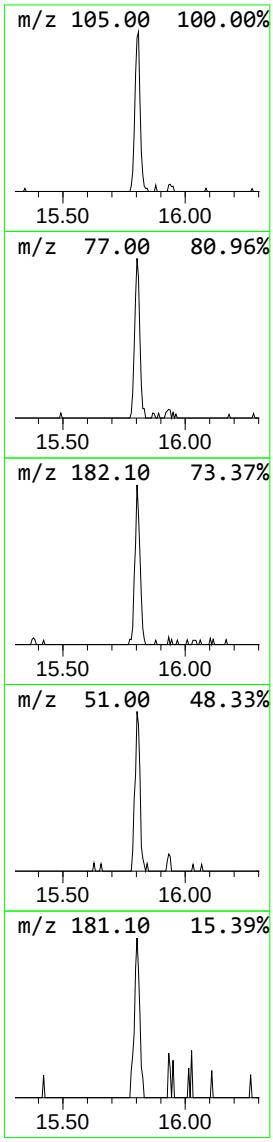
**********

Peak Number 1 Benzophenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.803 | 5.24 ng | 50492 | Acenaphthene-d10 | 14.446 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 91 |
| 2 | Azobenzene, (E)- | 182 | C12H10N2 | 017082-12-1 | 72 |
| 3 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 46 |
| 4 | Acetophenone, 2-chloro- | 154 | C8H7ClO | 000532-27-4 | 38 |
| 5 | 1-Propanone, 2-bromo-1-phenyl- | 212 | C9H9BrO | 002114-00-3 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

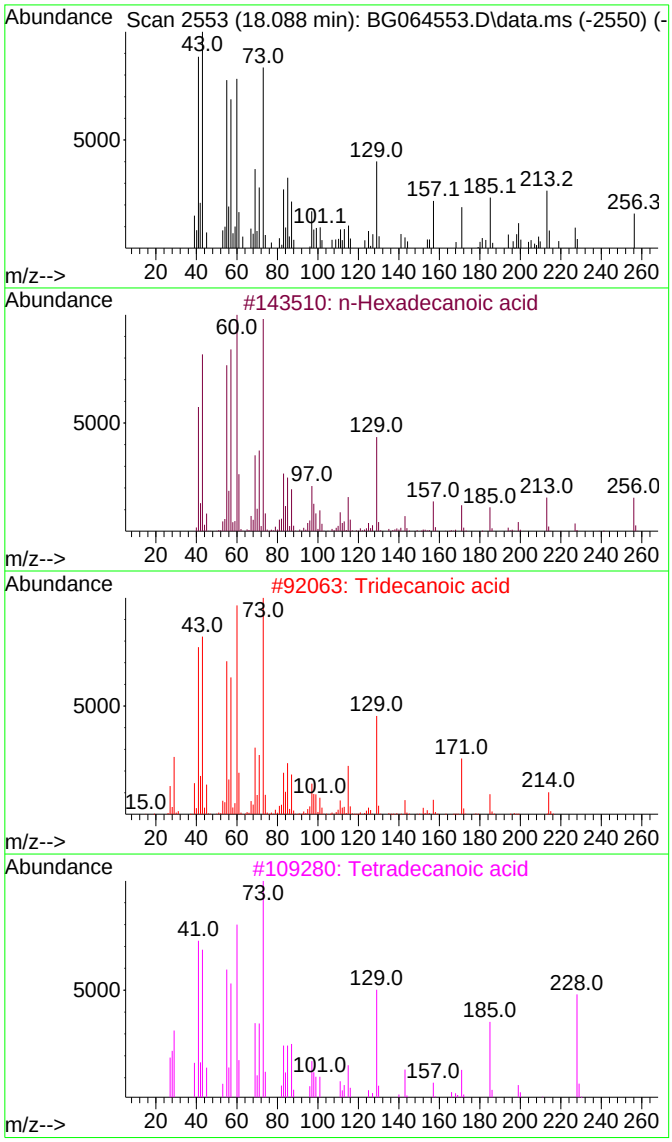
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

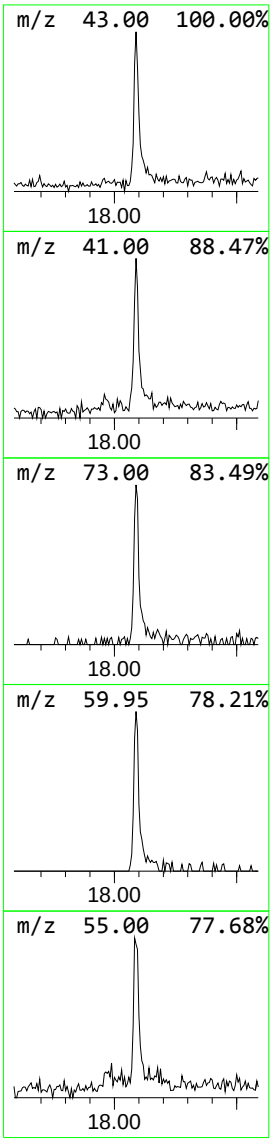
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.088 | 12.46 ng | 153983 | Phenanthrene-d10 | 17.189 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 78 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

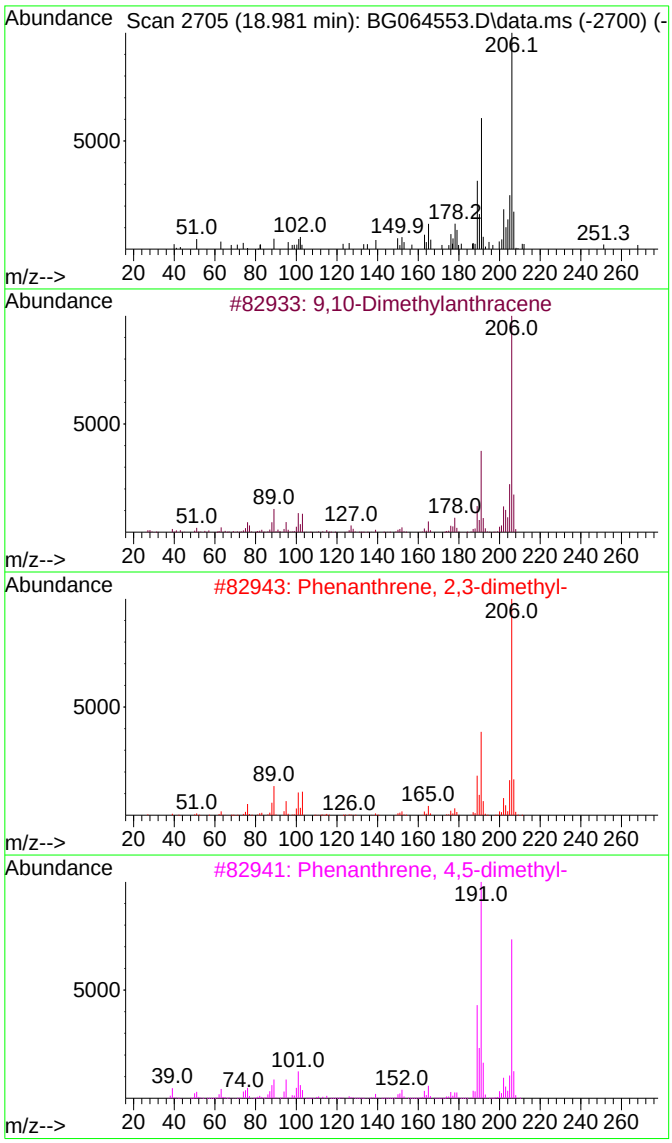
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

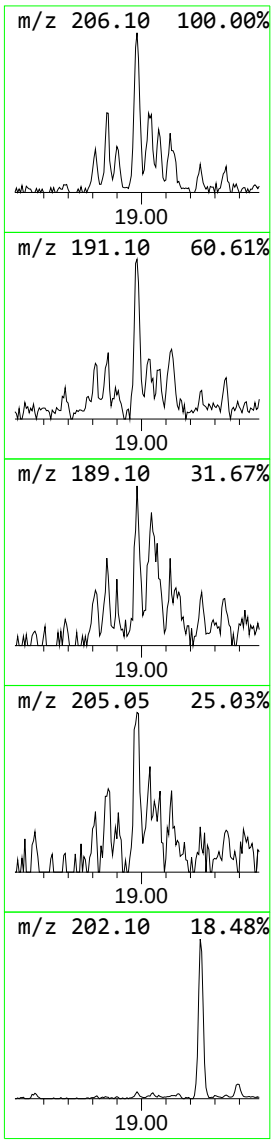
**********

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.982 | 3.89 ng | 48116 | Phenanthrene-d10 | 17.189 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 2 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 3 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 80 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 76 |
| 5 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

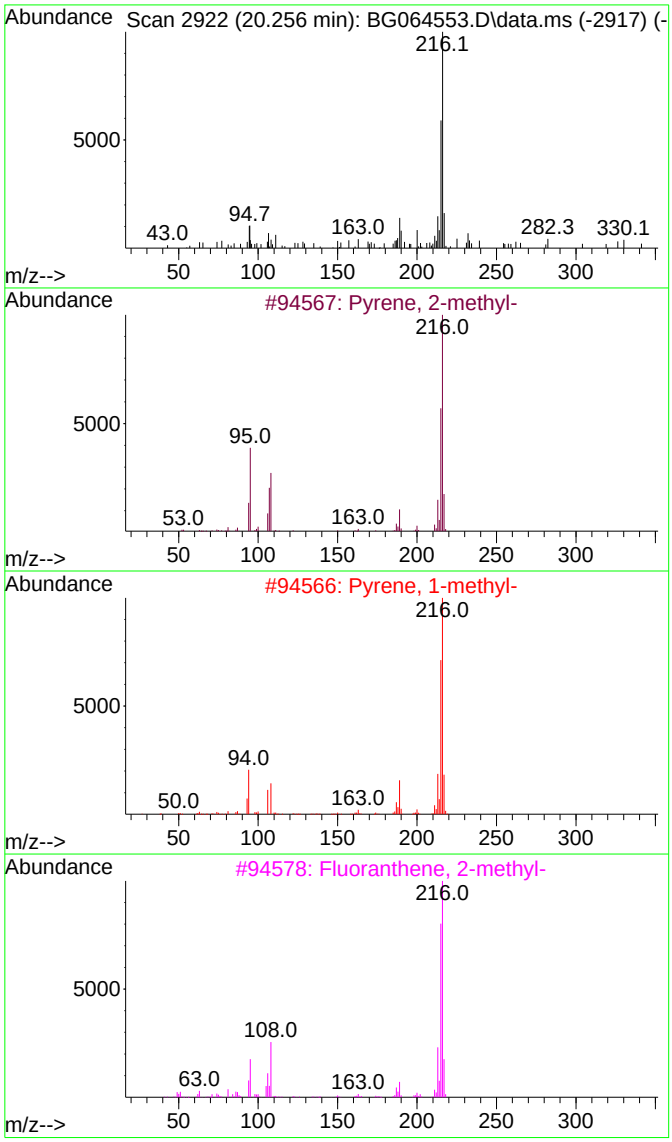
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

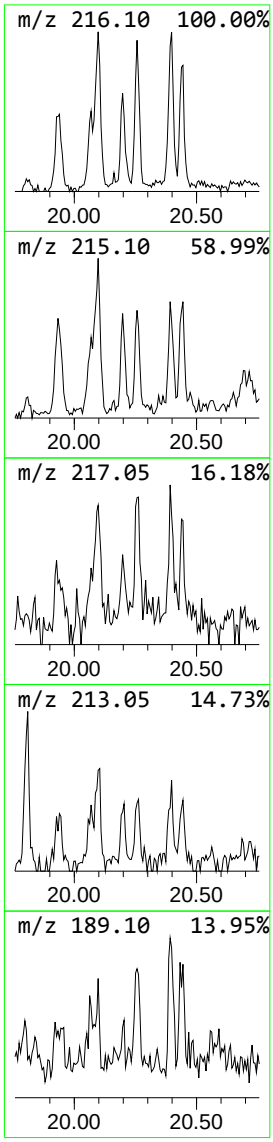
**********

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.256 | 2.13 ng | 44895 | Chrysene-d12 | 21.414 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 80 |
| 5 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.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 |
| Benzophenone | 15.803 | 5.2 | ng | 50492 | 3 | 14.446 | 192572 | 20.0 |
| n-Hexadecanoic ... | 18.088 | 12.5 | ng | 153983 | 4 | 17.189 | 247232 | 20.0 |
| 9,10-Dimethylan... | 18.982 | 3.9 | ng | 48116 | 4 | 17.189 | 247232 | 20.0 |
| Pyrene, 2-methyl- | 20.256 | 2.1 | ng | 44895 | 5 | 21.414 | 420676 | 20.0 |