LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

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-BG122923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060211.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.117 | 3 | 5 | 10 | rVB | 428338 | 443259 | 2.90% | 0.487% |
| 2 | 5.508 | 405 | 412 | 429 | rBV | 3660831 | 5827700 | 38.13% | 6.403% |
| 3 | 7.100 | 675 | 683 | 699 | rBV | 3568081 | 6196262 | 40.54% | 6.808% |
| 4 | 7.935 | 818 | 825 | 834 | rBV | 827055 | 1441756 | 9.43% | 1.584% |
| 5 | 9.098 | 1015 | 1023 | 1034 | rBV | 2029706 | 3651302 | 23.89% | 4.012% |
| 6 | 10.743 | 1294 | 1303 | 1310 | rBV | 1251810 | 2277443 | 14.90% | 2.502% |
| 7 | 13.199 | 1713 | 1721 | 1738 | rBV | 6454214 | 10306247 | 67.43% | 11.323% |
| 8 | 14.574 | 1948 | 1955 | 1962 | rBV | 2516405 | 3811995 | 24.94% | 4.188% |
| 9 | 16.060 | 2199 | 2208 | 2221 | rBV | 3174072 | 4916442 | 32.17% | 5.402% |
| 10 | 17.324 | 2416 | 2423 | 2428 | rBV | 3306024 | 5040228 | 32.98% | 5.538% |
| 11 | 17.365 | 2428 | 2430 | 2435 | rVB | 220575 | 264763 | 1.73% | 0.291% |
| 12 | 17.453 | 2439 | 2445 | 2451 | rBV | 1793189 | 2761610 | 18.07% | 3.034% |
| 13 | 17.600 | 2464 | 2470 | 2475 | rBV5 | 142496 | 209699 | 1.37% | 0.230% |
| 14 | 17.723 | 2483 | 2491 | 2498 | rBV | 244517 | 428862 | 2.81% | 0.471% |
| 15 | 18.211 | 2570 | 2574 | 2580 | rBV2 | 287090 | 477819 | 3.13% | 0.525% |
| 16 | 18.270 | 2580 | 2584 | 2589 | rVV | 168304 | 275955 | 1.81% | 0.303% |
| 17 | 18.328 | 2590 | 2594 | 2600 | rVB | 174479 | 250569 | 1.64% | 0.275% |
| 18 | 19.374 | 2766 | 2772 | 2782 | rBV | 1376985 | 2376222 | 15.55% | 2.611% |
| 19 | 19.492 | 2788 | 2792 | 2797 | rVV2 | 136711 | 175494 | 1.15% | 0.193% |
| 20 | 19.562 | 2799 | 2804 | 2811 | rVV | 595713 | 880884 | 5.76% | 0.968% |
| 21 | 19.738 | 2824 | 2834 | 2842 | rBV | 969235 | 1549188 | 10.14% | 1.702% |
| 22 | 19.944 | 2859 | 2869 | 2882 | rBV | 11282629 | 15284131 | 100.00% | 16.792% |
| 23 | 20.067 | 2885 | 2890 | 2895 | rVV6 | 76223 | 183663 | 1.20% | 0.202% |
| 24 | 20.990 | 3043 | 3047 | 3053 | rVB | 141632 | 202955 | 1.33% | 0.223% |
| 25 | 21.231 | 3083 | 3088 | 3100 | rBV4 | 661757 | 1146321 | 7.50% | 1.259% |
| 26 | 21.589 | 3140 | 3149 | 3154 | rBV3 | 3172548 | 5996032 | 39.23% | 6.588% |
| 27 | 21.636 | 3154 | 3157 | 3165 | rVB | 684191 | 1093788 | 7.16% | 1.202% |
| 28 | 21.918 | 3199 | 3205 | 3213 | rBV2 | 450513 | 875101 | 5.73% | 0.961% |
| 29 | 22.382 | 3279 | 3284 | 3291 | rVB7 | 100369 | 201121 | 1.32% | 0.221% |
| 30 | 23.064 | 3396 | 3400 | 3407 | rVB3 | 105513 | 207375 | 1.36% | 0.228% |
| 31 | 23.757 | 3509 | 3518 | 3524 | rBV3 | 323195 | 1006946 | 6.59% | 1.106% |
| 32 | 23.857 | 3530 | 3535 | 3542 | rVB2 | 427676 | 939455 | 6.15% | 1.032% |
| 33 | 24.462 | 3632 | 3638 | 3651 | rVB2 | 233028 | 646686 | 4.23% | 0.710% |
| 34 | 24.609 | 3656 | 3663 | 3676 | rVB2 | 159978 | 475831 | 3.11% | 0.523% |
| 35 | 24.762 | 3679 | 3689 | 3703 | rBV | 1768517 | 5532770 | 36.20% | 6.079% |
| 36 | 25.913 | 3874 | 3885 | 3896 | rBV | 1192498 | 3663811 | 23.97% | 4.025% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

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-BG122923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

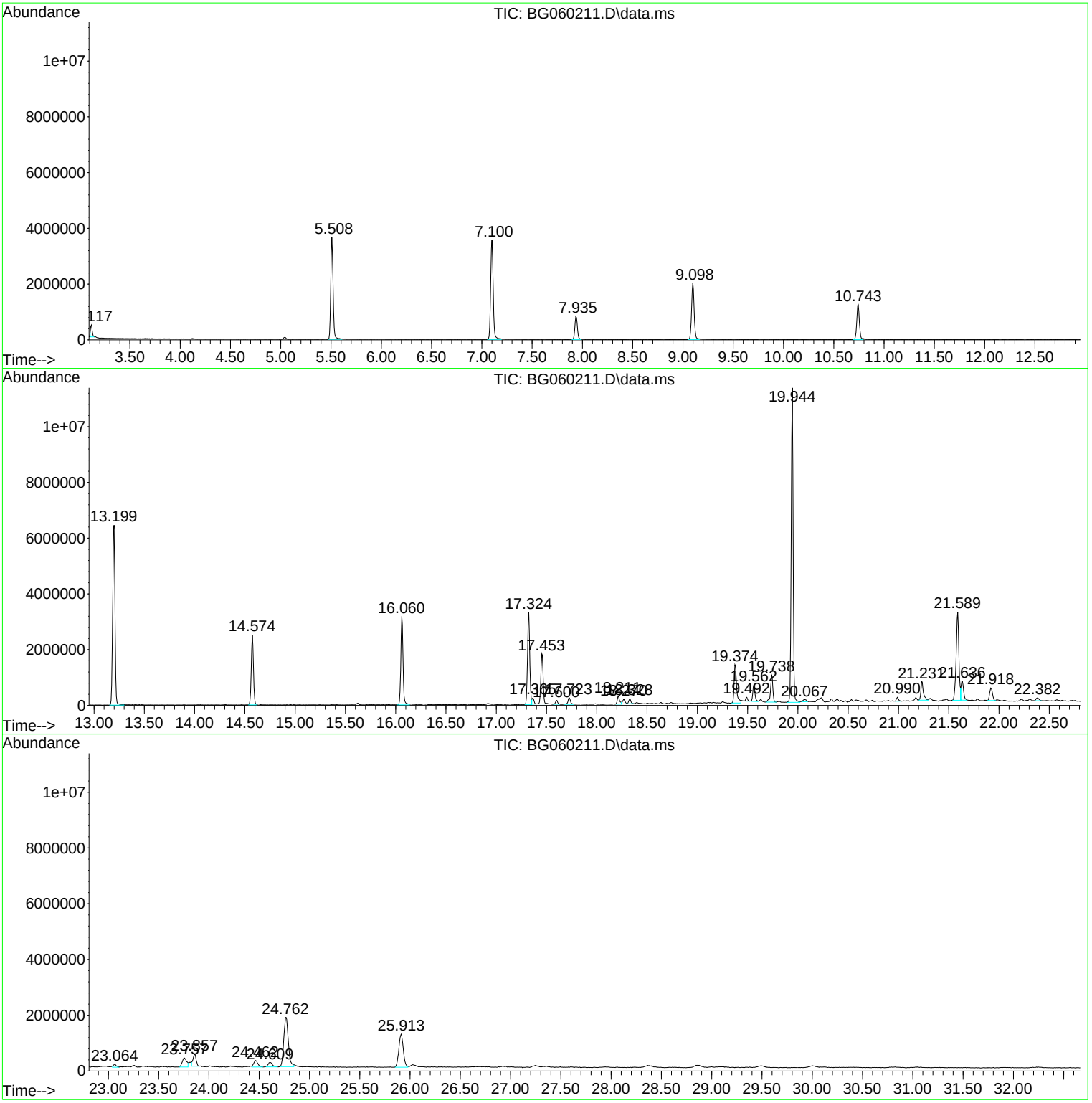
Sum of corrected areas: 91019685

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.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\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

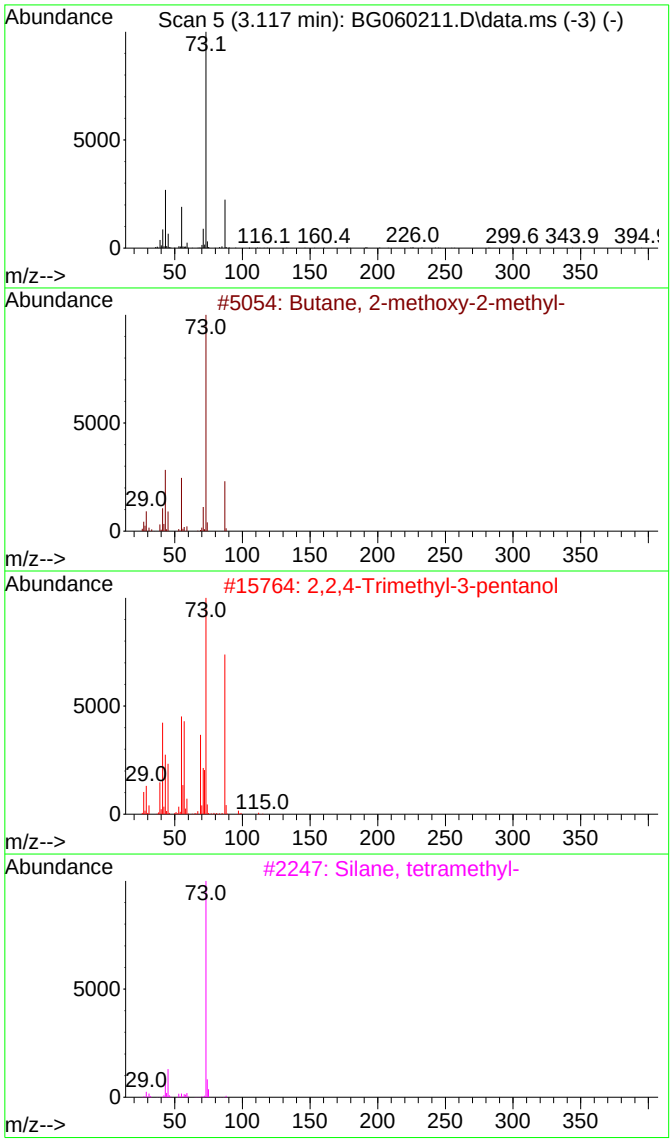
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

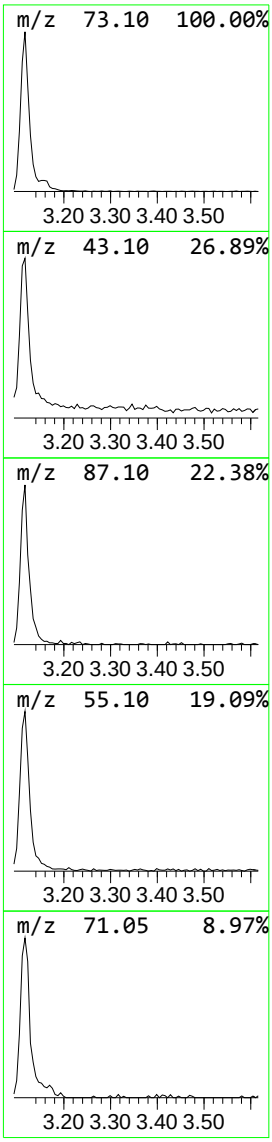
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.117 | 6.15 ng | 443259 | 1,4-Dichlorobenzene-d4 | 7.935 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 50 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 12 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

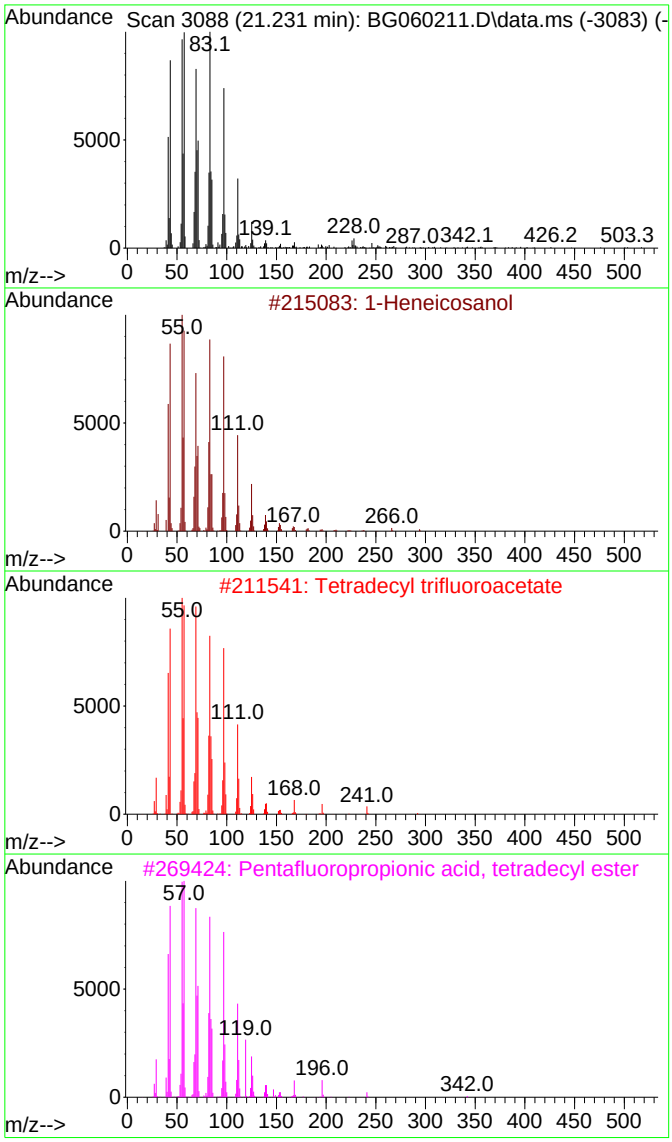
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

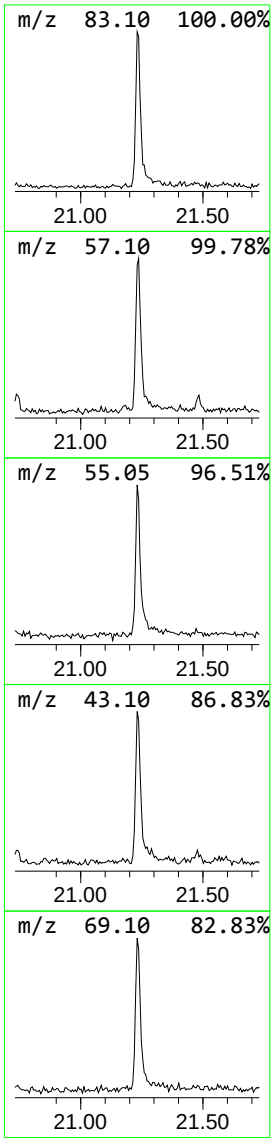
**********

Peak Number 2 1-Heneicosanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.231 | 3.82 ng | 1146320 | Chrysene-d12 | 21.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |
| 2 | Tetradecyl trifluoroacetate | 310 | C16H29F3O2 | 006222-02-2 | 91 |
| 3 | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

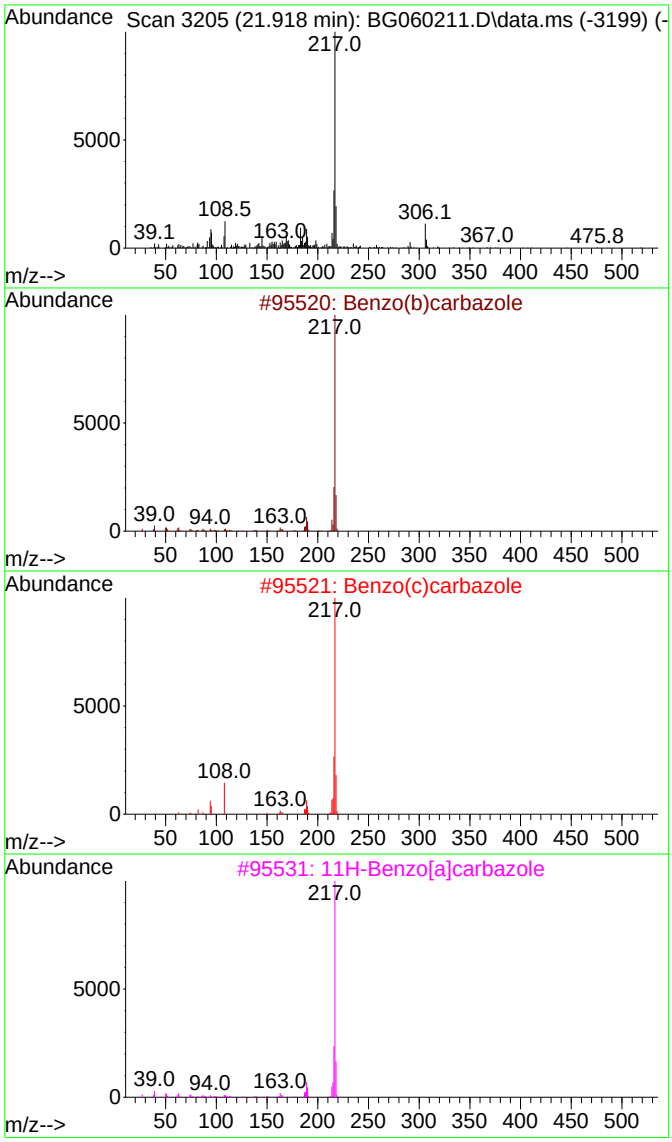
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

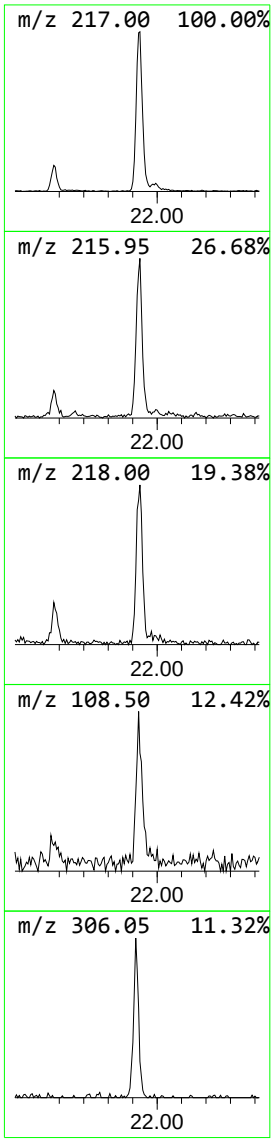
**********

Peak Number 3 Benzo(b)carbazole Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.918 | 2.92 ng | 875101 | Chrysene-d12 | 21.589 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo(b)carbazole | 217 | C16H11N | 000243-28-7 | 96 |
| 2 | Benzo(c)carbazole | 217 | C16H11N | 034777-33-8 | 89 |
| 3 | 11H-Benzo[a]carbazole | 217 | C16H11N | 000239-01-0 | 86 |
| 4 | 7H-Benzo[c]carbazole | 217 | C16H11N | 000205-25-4 | 76 |
| 5 | 11H-Indeno(1,2-b)quinoline | 217 | C16H11N | 000243-51-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

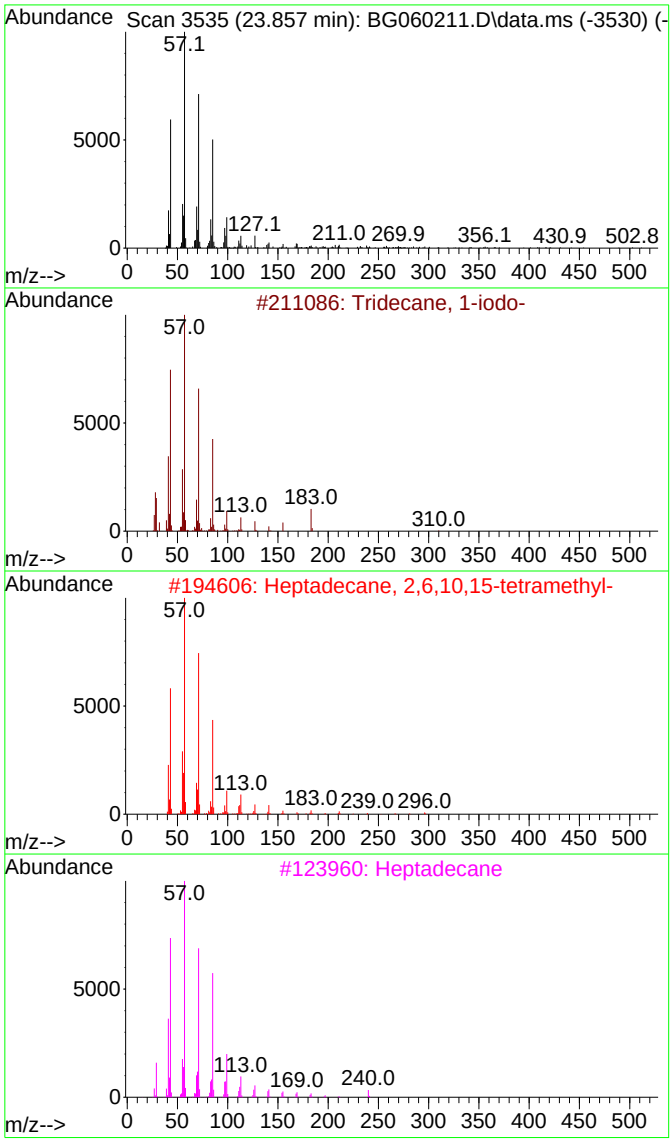
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

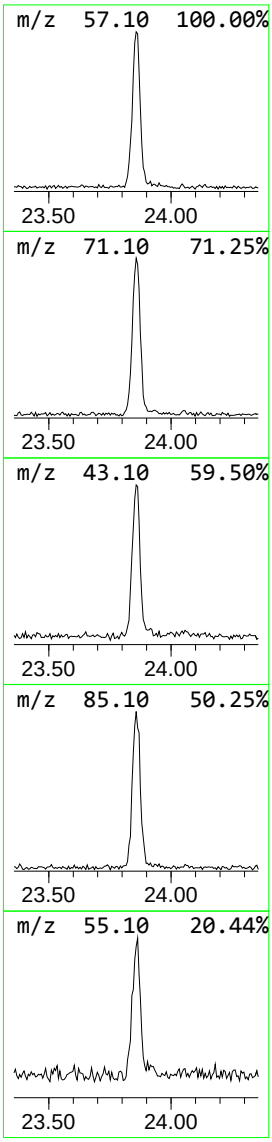
**********

Peak Number 4 Tridecane, 1-iodo- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.857 | 3.40 ng | 939455 | Perylene-d12 | 24.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 4 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 83 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

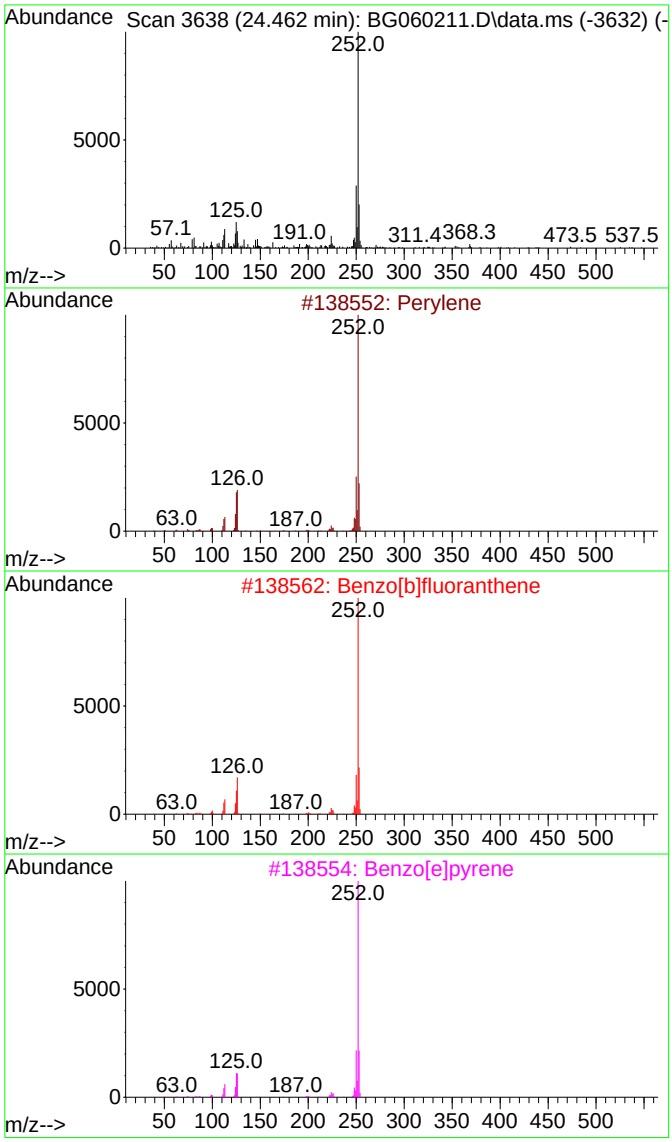
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

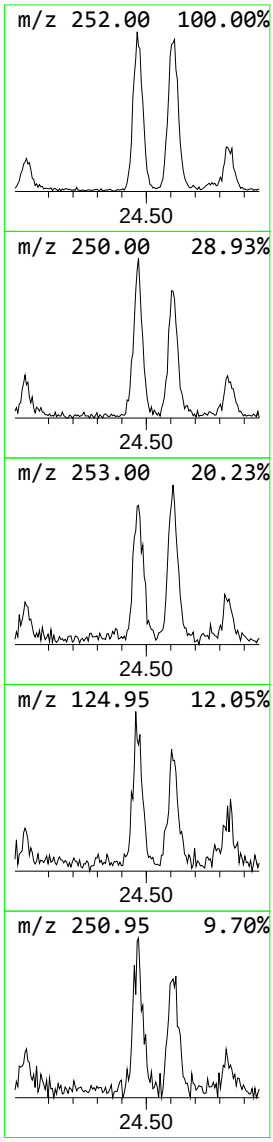
**********

Peak Number 5 Perylene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.462 | 2.34 ng | 646686 | Perylene-d12 | 24.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Perylene | 252 | C20H12 | 000198-55-0 | 89 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 89 |
| 3 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 89 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 86 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

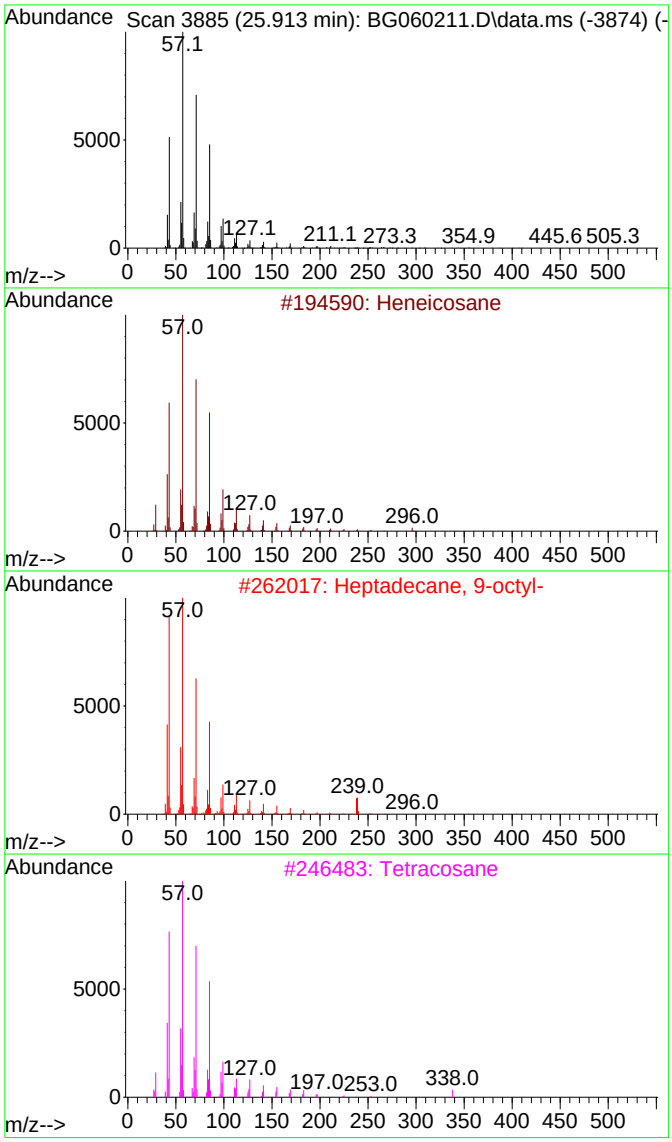
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

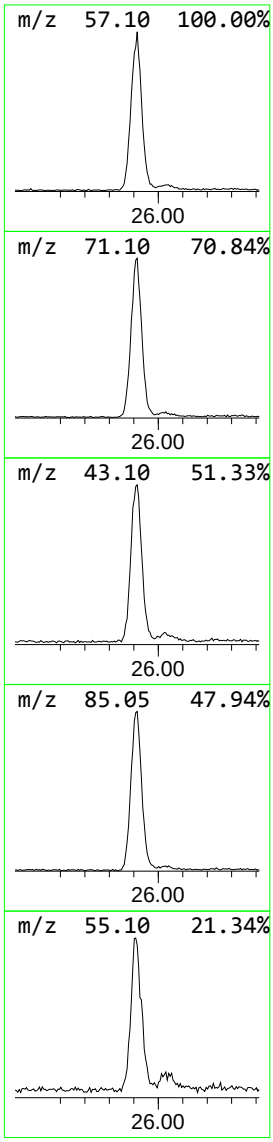
**********

Peak Number 6 Heneicosane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.913 | 13.24 ng | 3663810 | Perylene-d12 | 24.768 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 4 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 87 |
| 5 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010224\
Data File : BG060211.D
Acq On : 3 Jan 2024 3:16
Operator : MA/JU
Sample : 05899-24
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-19-2-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.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... | 3.117 | 6.2 | ng | 443259 | 1 | 7.935 | 1441760 | 20.0 |
| 1-Heneicosanol | 21.231 | 3.8 | ng | 1146320 | 5 | 21.589 | 5996030 | 20.0 |
| Benzo(b)carbazole | 21.918 | 2.9 | ng | 875101 | 5 | 21.589 | 5996030 | 20.0 |
| Tridecane, 1-iodo- | 23.857 | 3.4 | ng | 939455 | 6 | 24.768 | 5532770 | 20.0 |
| Perylene | 24.462 | 2.3 | ng | 646686 | 6 | 24.768 | 5532770 | 20.0 |
| Heneicosane | 25.913 | 13.2 | ng | 3663810 | 6 | 24.768 | 5532770 | 20.0 |