LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056524.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.312 | 338 | 344 | 351 | rBB | 115554 | 174274 | 7.36% | 0.760% |
| 2 | 5.799 | 419 | 427 | 438 | rBV | 479213 | 757578 | 32.00% | 3.305% |
| 3 | 7.421 | 695 | 703 | 713 | rBV | 461819 | 802944 | 33.92% | 3.503% |
| 4 | 8.279 | 841 | 849 | 856 | rBB | 125430 | 211262 | 8.92% | 0.922% |
| 5 | 9.454 | 1041 | 1049 | 1058 | rBV | 276902 | 492778 | 20.81% | 2.150% |
| 6 | 11.111 | 1323 | 1331 | 1337 | rBV | 158307 | 292230 | 12.34% | 1.275% |
| 7 | 13.520 | 1734 | 1741 | 1749 | rBV | 1082161 | 1613383 | 68.15% | 7.039% |
| 8 | 14.624 | 1924 | 1929 | 1936 | rBV | 19524 | 34396 | 1.45% | 0.150% |
| 9 | 14.895 | 1963 | 1975 | 1981 | rBV | 296566 | 462010 | 19.52% | 2.016% |
| 10 | 15.935 | 2146 | 2152 | 2161 | rVB4 | 14997 | 30651 | 1.29% | 0.134% |
| 11 | 16.234 | 2197 | 2203 | 2210 | rVB | 198159 | 285709 | 12.07% | 1.246% |
| 12 | 16.375 | 2220 | 2227 | 2236 | rBV | 686264 | 1053755 | 44.51% | 4.597% |
| 13 | 17.198 | 2364 | 2367 | 2375 | rVB4 | 12158 | 24909 | 1.05% | 0.109% |
| 14 | 17.351 | 2388 | 2393 | 2399 | rBV6 | 14246 | 30559 | 1.29% | 0.133% |
| 15 | 17.633 | 2434 | 2441 | 2445 | rBV | 372224 | 572886 | 24.20% | 2.499% |
| 16 | 17.680 | 2445 | 2449 | 2455 | rVB | 275626 | 406492 | 17.17% | 1.773% |
| 17 | 17.768 | 2455 | 2464 | 2472 | rBV | 70634 | 138004 | 5.83% | 0.602% |
| 18 | 18.032 | 2505 | 2509 | 2514 | rBV4 | 12839 | 31710 | 1.34% | 0.138% |
| 19 | 18.138 | 2524 | 2527 | 2533 | rBV | 22990 | 33051 | 1.40% | 0.144% |
| 20 | 18.502 | 2582 | 2589 | 2593 | rBV2 | 78005 | 180321 | 7.62% | 0.787% |
| 21 | 18.549 | 2593 | 2597 | 2602 | rVB | 92034 | 135799 | 5.74% | 0.592% |
| 22 | 18.626 | 2606 | 2610 | 2615 | rBV2 | 38471 | 62832 | 2.65% | 0.274% |
| 23 | 18.702 | 2615 | 2623 | 2626 | rBV2 | 94872 | 206280 | 8.71% | 0.900% |
| 24 | 18.731 | 2626 | 2628 | 2632 | rVB2 | 47950 | 55707 | 2.35% | 0.243% |
| 25 | 18.990 | 2667 | 2672 | 2677 | rVB | 73843 | 104305 | 4.41% | 0.455% |
| 26 | 19.037 | 2677 | 2680 | 2685 | rBV | 28411 | 41057 | 1.73% | 0.179% |
| 27 | 19.225 | 2707 | 2712 | 2717 | rVB5 | 29380 | 53905 | 2.28% | 0.235% |
| 28 | 19.278 | 2718 | 2721 | 2725 | rBV | 22239 | 30388 | 1.28% | 0.133% |
| 29 | 19.319 | 2725 | 2728 | 2734 | rVB | 18706 | 23819 | 1.01% | 0.104% |
| 30 | 19.401 | 2736 | 2742 | 2747 | rBV2 | 76819 | 153052 | 6.46% | 0.668% |
| 31 | 19.554 | 2762 | 2768 | 2775 | rBV2 | 71247 | 135030 | 5.70% | 0.589% |
| 32 | 19.671 | 2782 | 2788 | 2793 | rBV | 1081748 | 1509172 | 63.75% | 6.584% |
| 33 | 19.818 | 2810 | 2813 | 2816 | rBV2 | 18635 | 24541 | 1.04% | 0.107% |
| 34 | 19.995 | 2838 | 2843 | 2845 | rBV2 | 148295 | 223849 | 9.46% | 0.977% |
| 35 | 20.030 | 2845 | 2849 | 2855 | rVV | 1089739 | 1617024 | 68.30% | 7.055% |
| 36 | 20.094 | 2856 | 2860 | 2865 | rVB3 | 62743 | 93895 | 3.97% | 0.410% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 20.212 | 2874 | 2880 | 2885 | rBV | 1869102 | 2367441 | 100.00% | 10.329% |
| 38 | 20.347 | 2897 | 2903 | 2909 | rBV2 | 86668 | 201055 | 8.49% | 0.877% |
| 39 | 20.482 | 2922 | 2926 | 2928 | rBV3 | 79403 | 117906 | 4.98% | 0.514% |
| 40 | 20.611 | 2945 | 2948 | 2951 | rBV | 50372 | 58350 | 2.46% | 0.255% |
| 41 | 20.670 | 2955 | 2958 | 2962 | rVB | 100494 | 140490 | 5.93% | 0.613% |
| 42 | 20.811 | 2978 | 2982 | 2986 | rBV | 96936 | 142983 | 6.04% | 0.624% |
| 43 | 20.858 | 2987 | 2990 | 3000 | rVB | 99114 | 175633 | 7.42% | 0.766% |
| 44 | 21.293 | 3060 | 3064 | 3071 | rVB | 117923 | 191373 | 8.08% | 0.835% |
| 45 | 21.581 | 3109 | 3113 | 3119 | rBV2 | 106676 | 183753 | 7.76% | 0.802% |
| 46 | 21.640 | 3121 | 3123 | 3131 | rVB | 95062 | 148768 | 6.28% | 0.649% |
| 47 | 21.910 | 3163 | 3169 | 3176 | rBV2 | 623773 | 1672877 | 70.66% | 7.298% |
| 48 | 21.975 | 3176 | 3180 | 3192 | rVB | 450191 | 855263 | 36.13% | 3.731% |
| 49 | 22.139 | 3204 | 3208 | 3216 | rVB | 64077 | 109046 | 4.61% | 0.476% |
| 50 | 24.260 | 3561 | 3569 | 3577 | rBV | 377876 | 1291792 | 54.56% | 5.636% |
| 51 | 25.036 | 3694 | 3701 | 3714 | rVB | 262428 | 779504 | 32.93% | 3.401% |
| 52 | 25.194 | 3719 | 3728 | 3741 | rVB | 388530 | 1125959 | 47.56% | 4.912% |
| 53 | 25.353 | 3748 | 3755 | 3763 | rBV2 | 176779 | 479143 | 20.24% | 2.090% |
| 54 | 29.295 | 4418 | 4426 | 4445 | rVB3 | 161983 | 780392 | 32.96% | 3.405% |

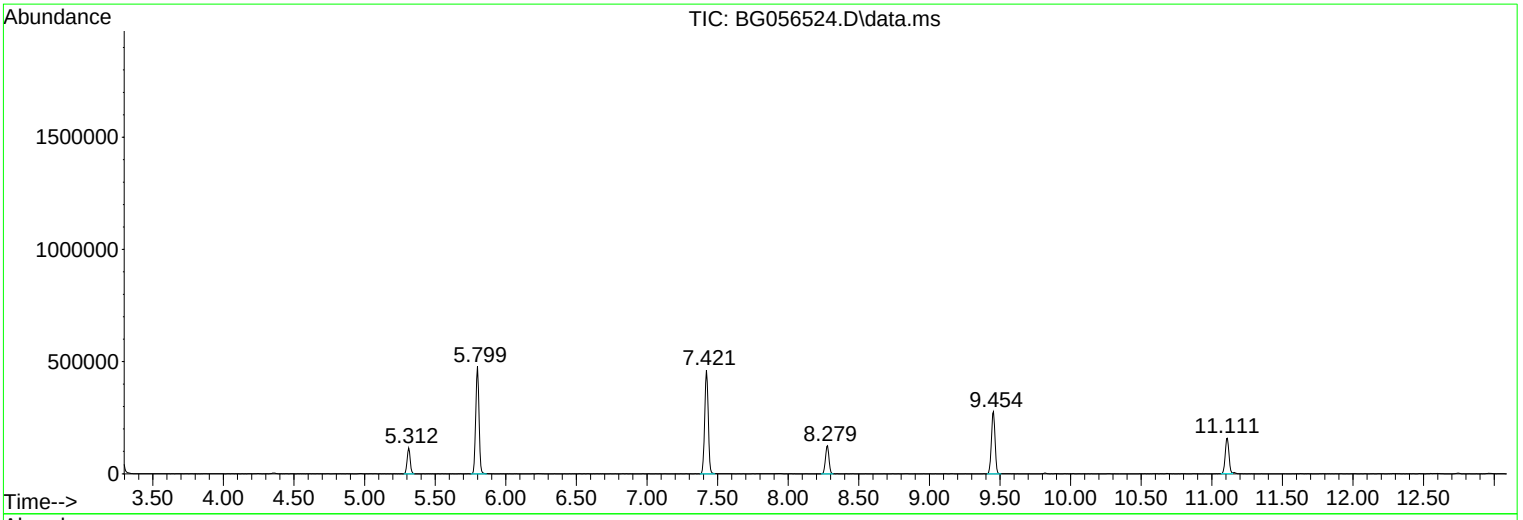
Sum of corrected areas: 22921285

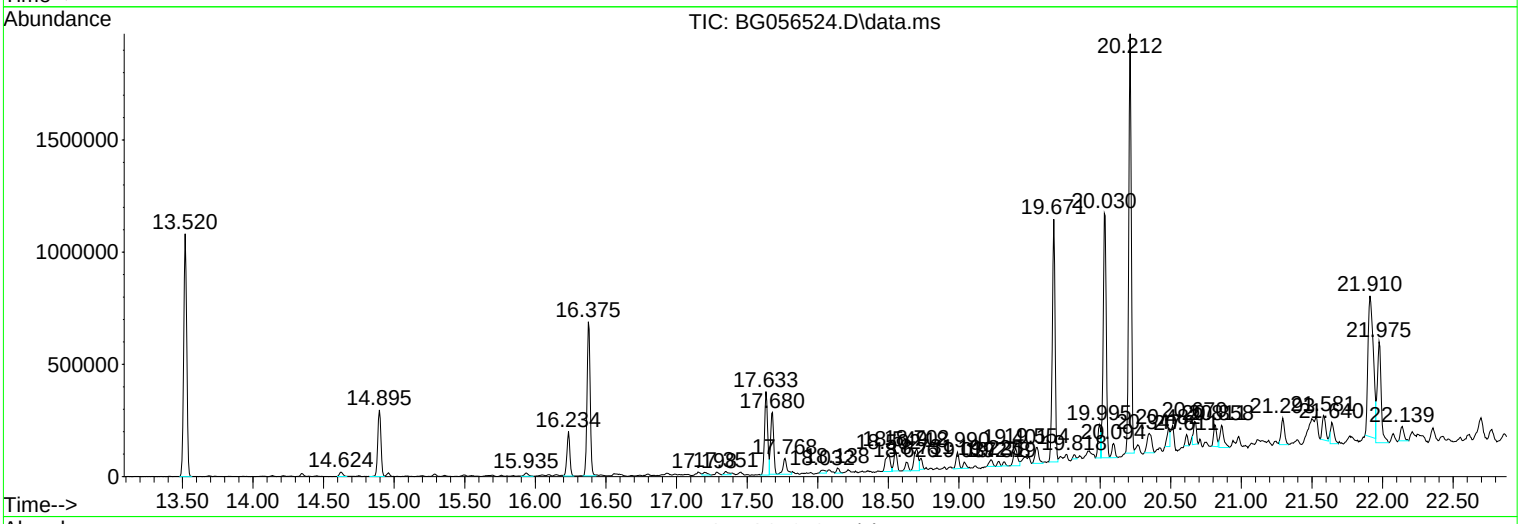
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

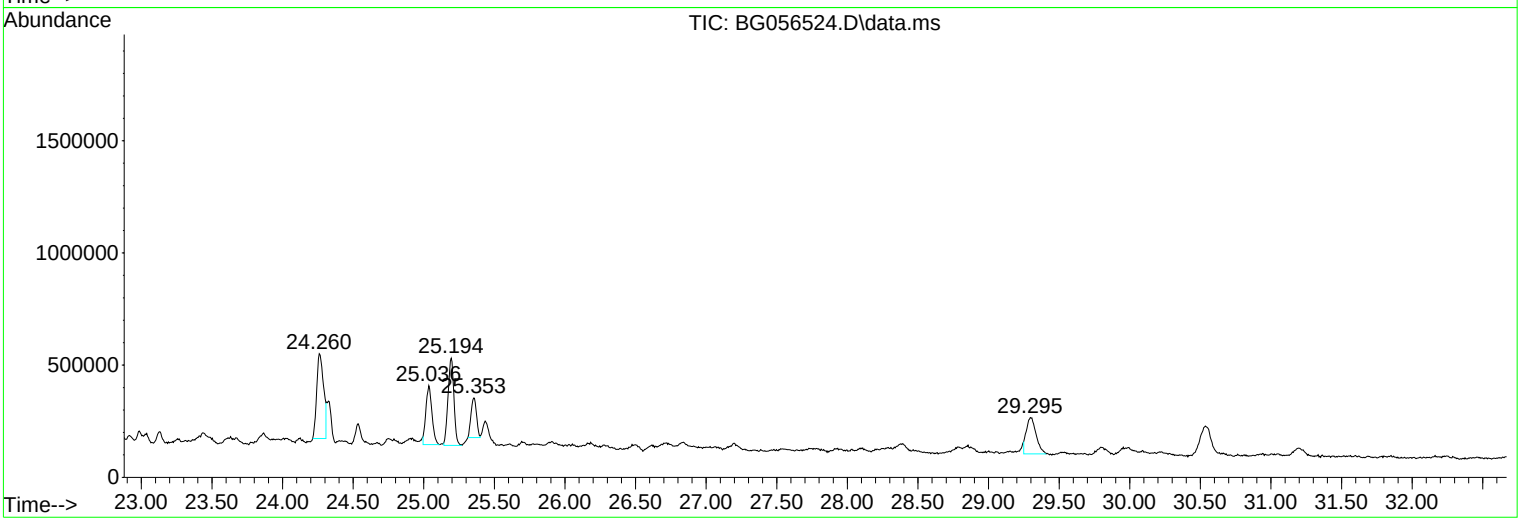
**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

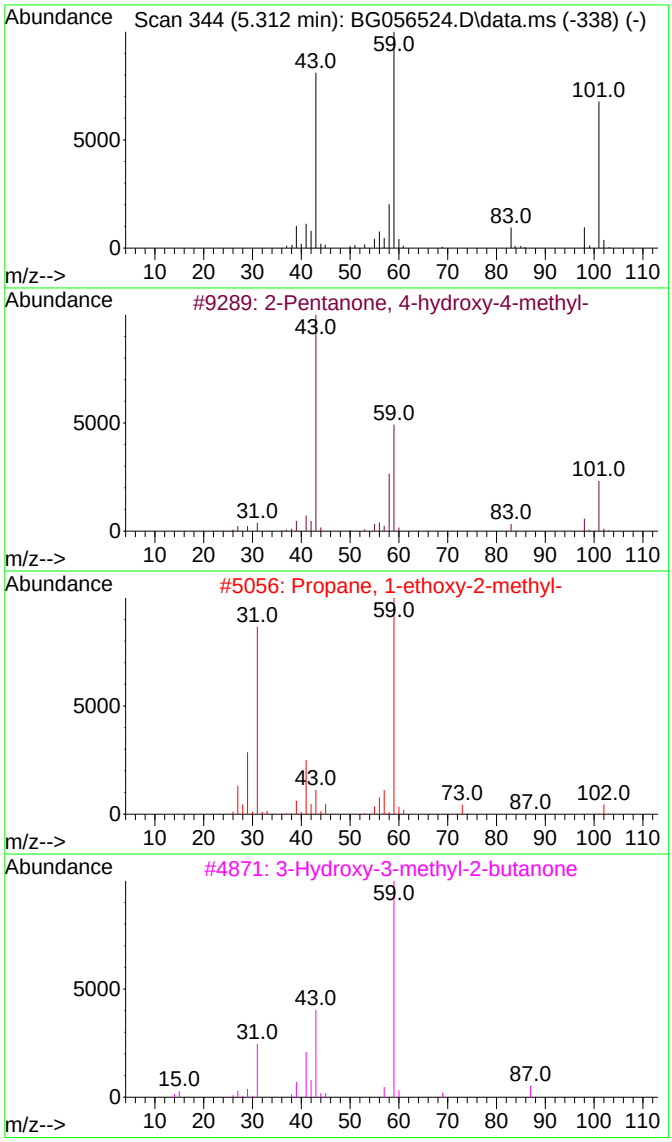
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

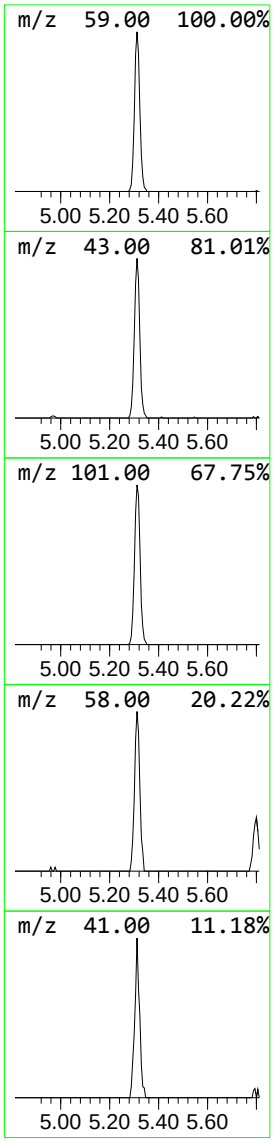
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.312 | 16.50 ng | 174274 | 1,4-Dichlorobenzene-d4 | 8.279 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 2 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 35 |
| 3 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 25 |
| 4 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 17 |
| 5 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

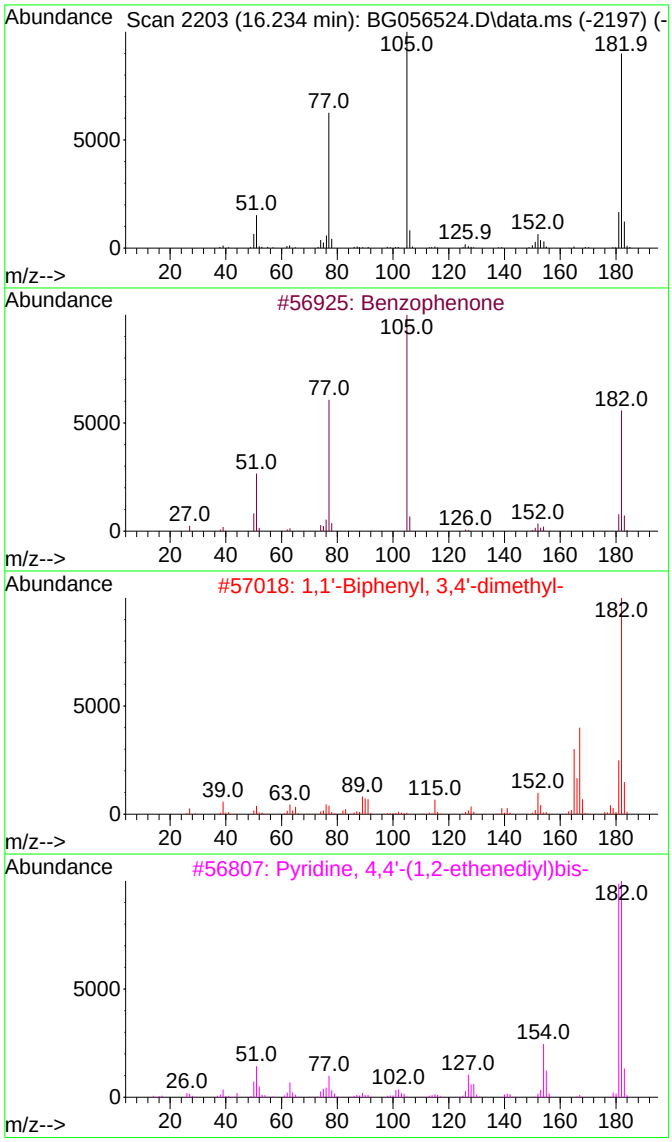
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

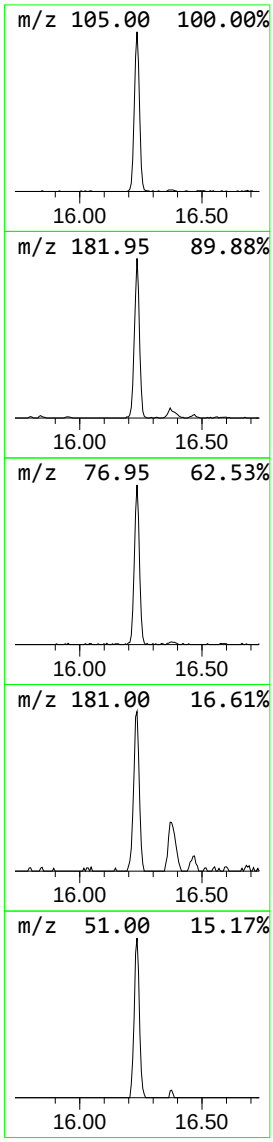
**********

Peak Number 2 Benzophenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.234 | 12.37 ng | 285709 | Acenaphthene-d10 | 14.895 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 94 |
| 2 | 1,1'-Biphenyl, 3,4'-dimethyl- | 182 | C14H14 | 007383-90-6 | 52 |
| 3 | Pyridine, 4,4'-(1,2-ethenediyl)bis- | 182 | C12H10N2 | 001135-32-6 | 43 |
| 4 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 27 |
| 5 | Phenylglyoxal | 134 | C8H6O2 | 001074-12-0 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

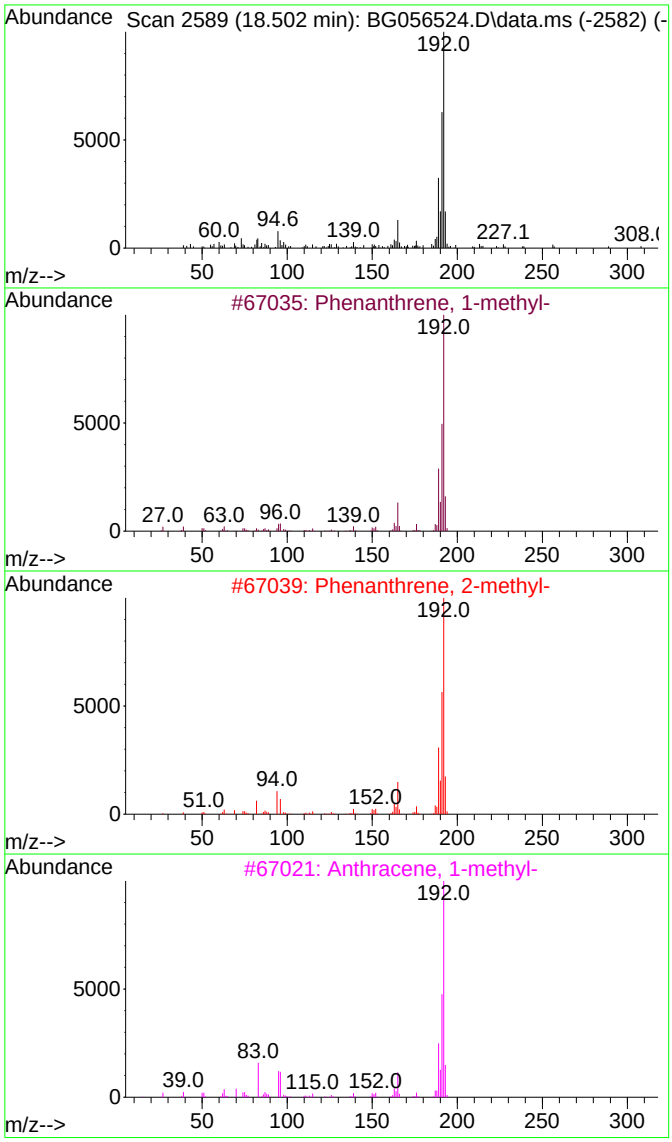
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

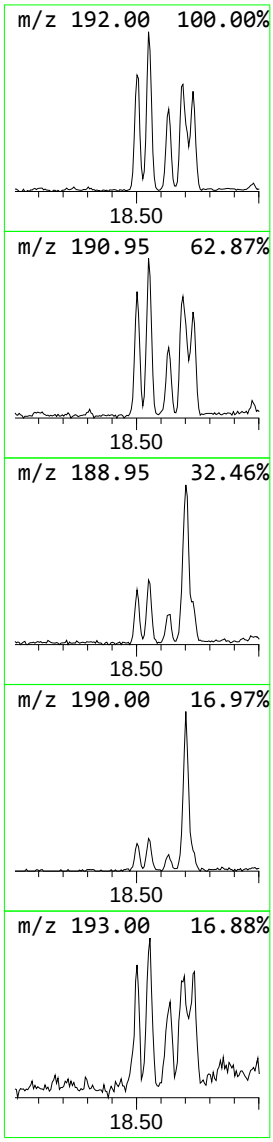
**********

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.502 | 6.30 ng | 180321 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

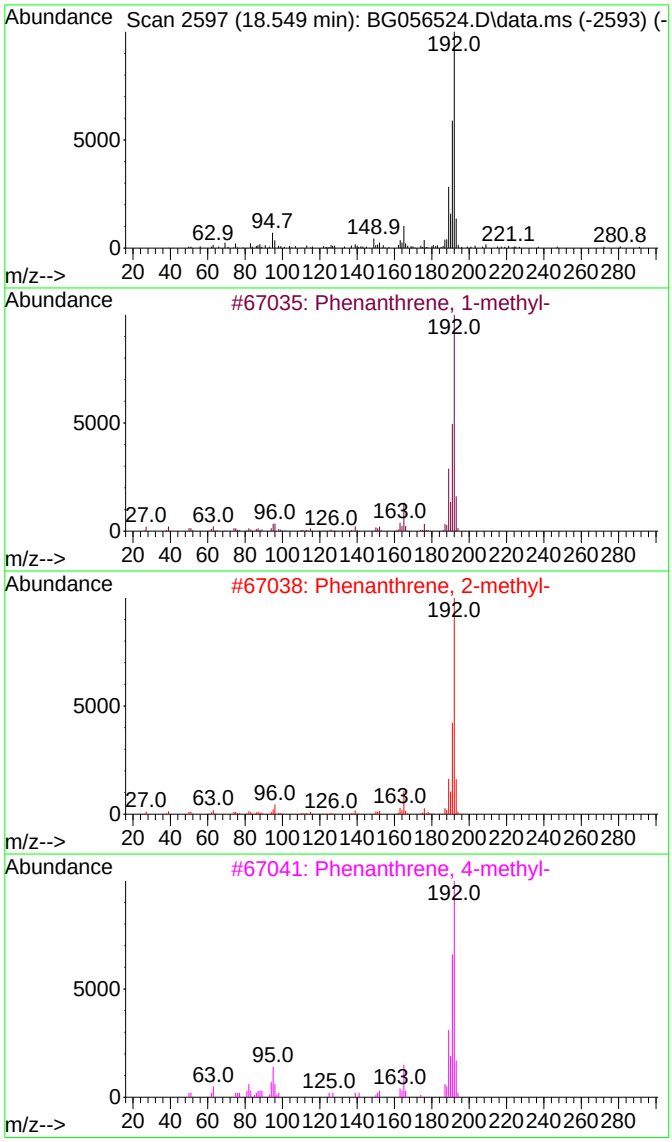
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

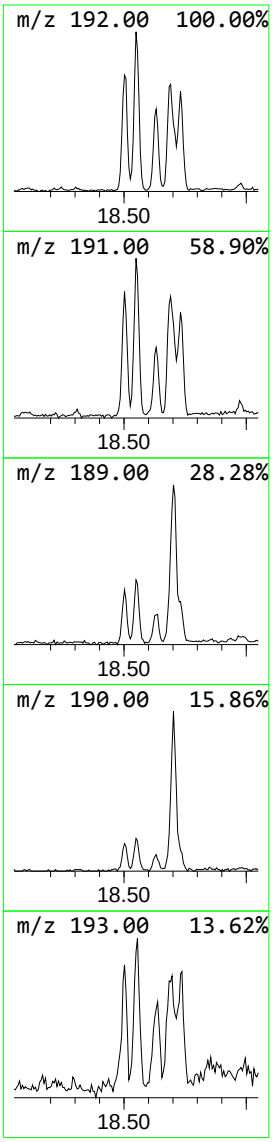
**********

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.549 | 4.74 ng | 135799 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

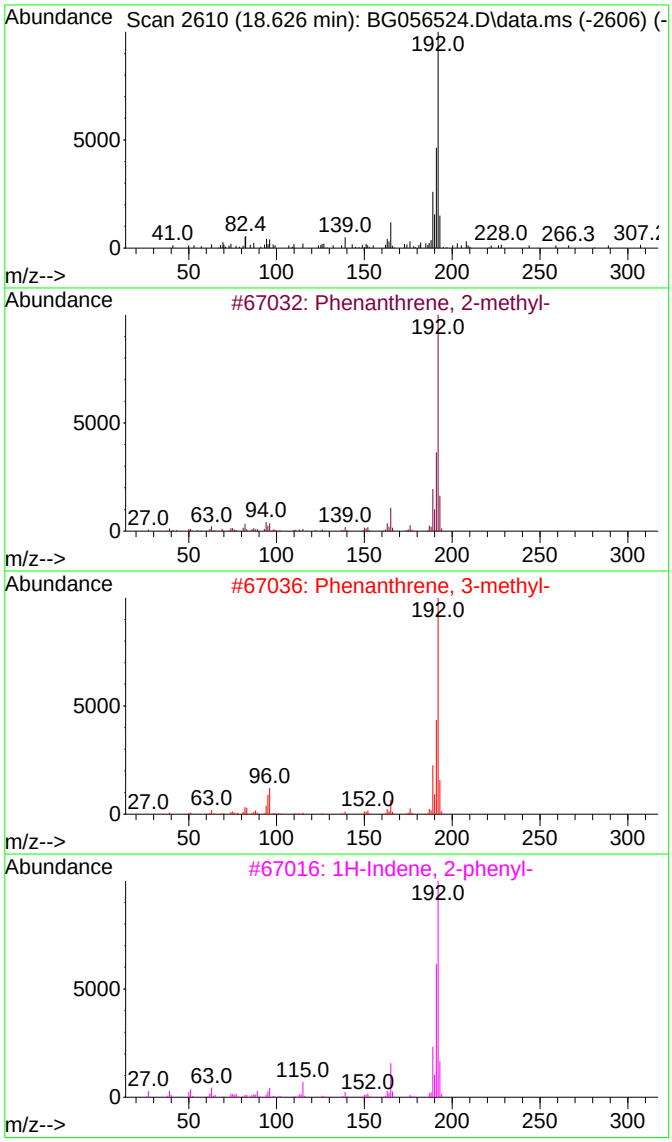
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

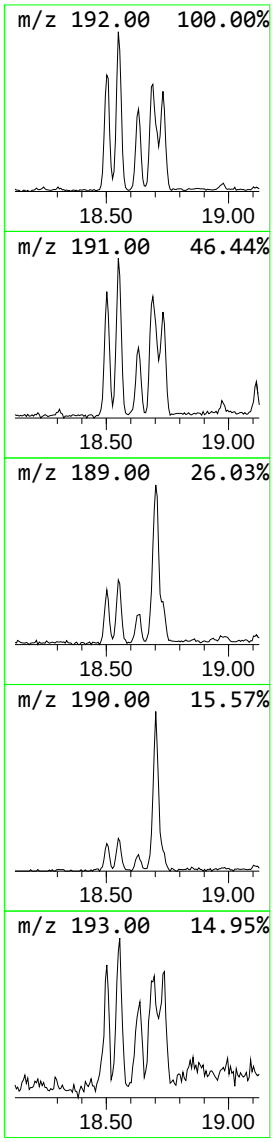
**********

Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.626 | 2.19 ng | 62832 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 2 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 87 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 87 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

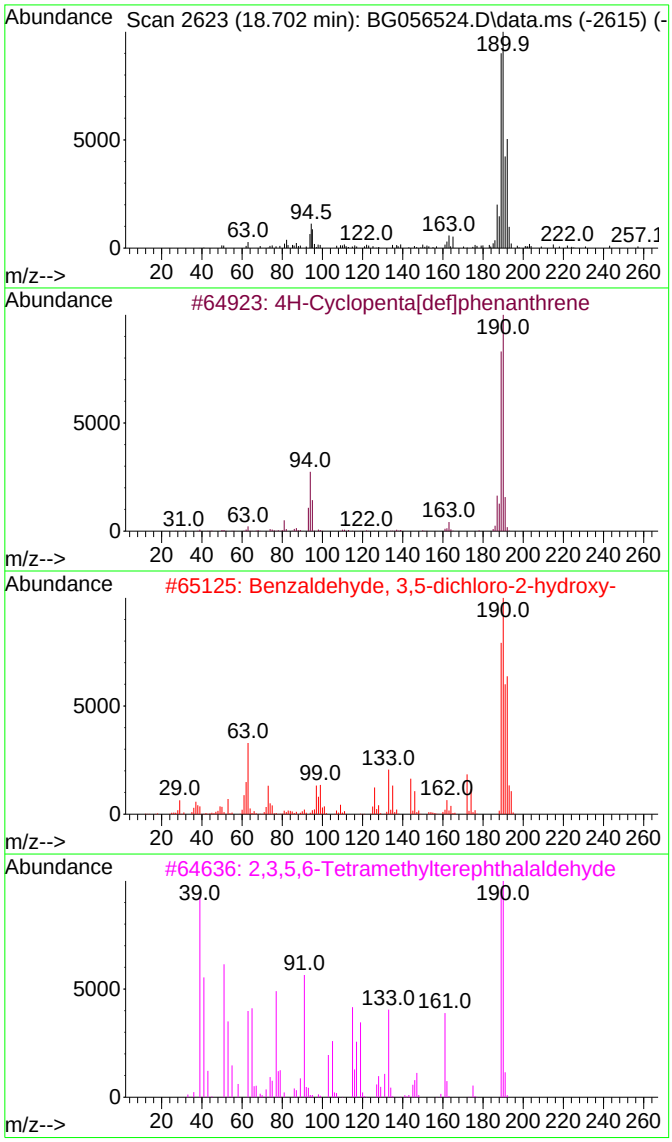
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

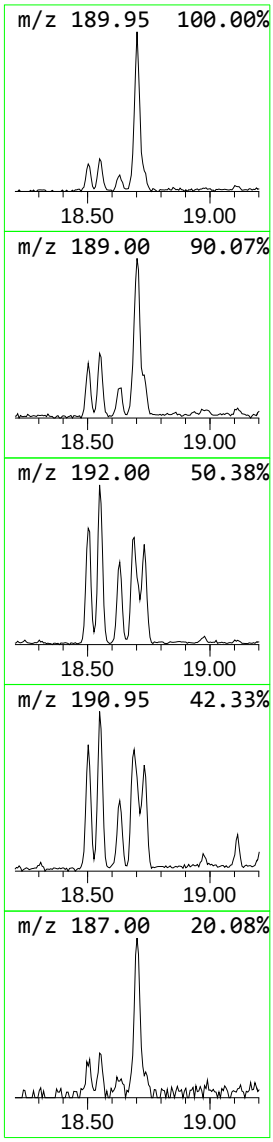
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.702 | 7.20 ng | 206280 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 62 |
| 2 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 53 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 43 |
| 4 | Pyrimidine, 6-oxo-4-(3-fluorophe... | 190 | C10H7FN2O | 085979-55-1 | 43 |
| 5 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

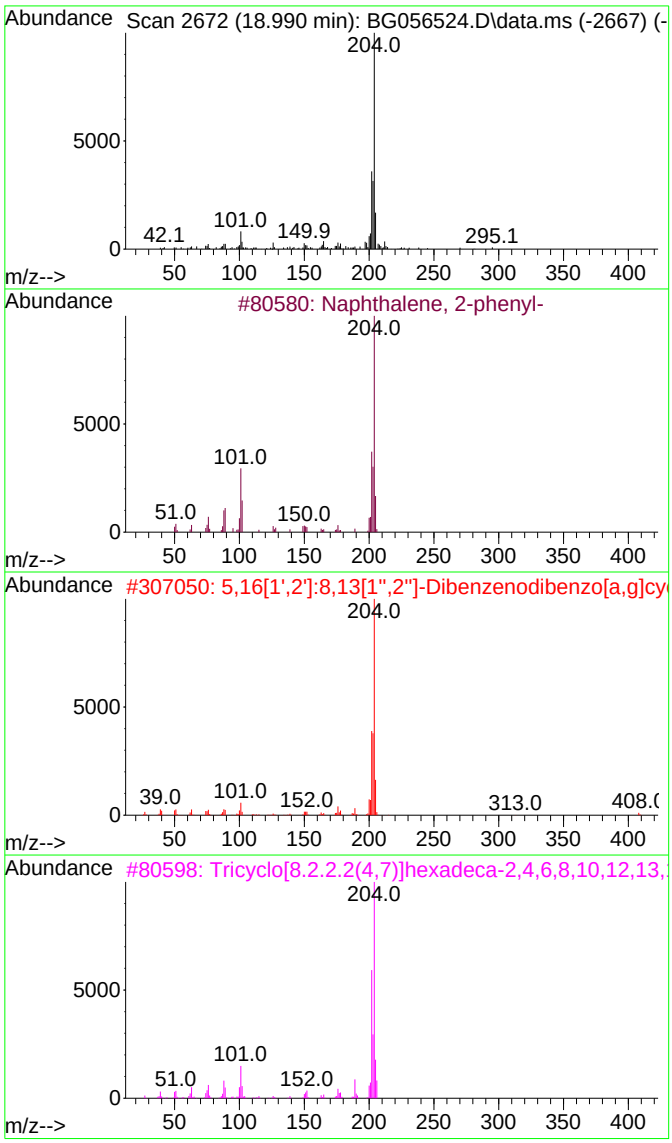
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

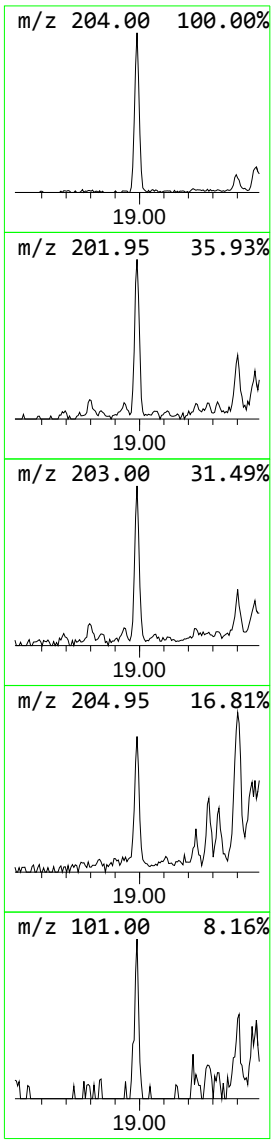
**********

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.990 | 3.64 ng | 104305 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 68 |
| 4 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 58 |
| 5 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

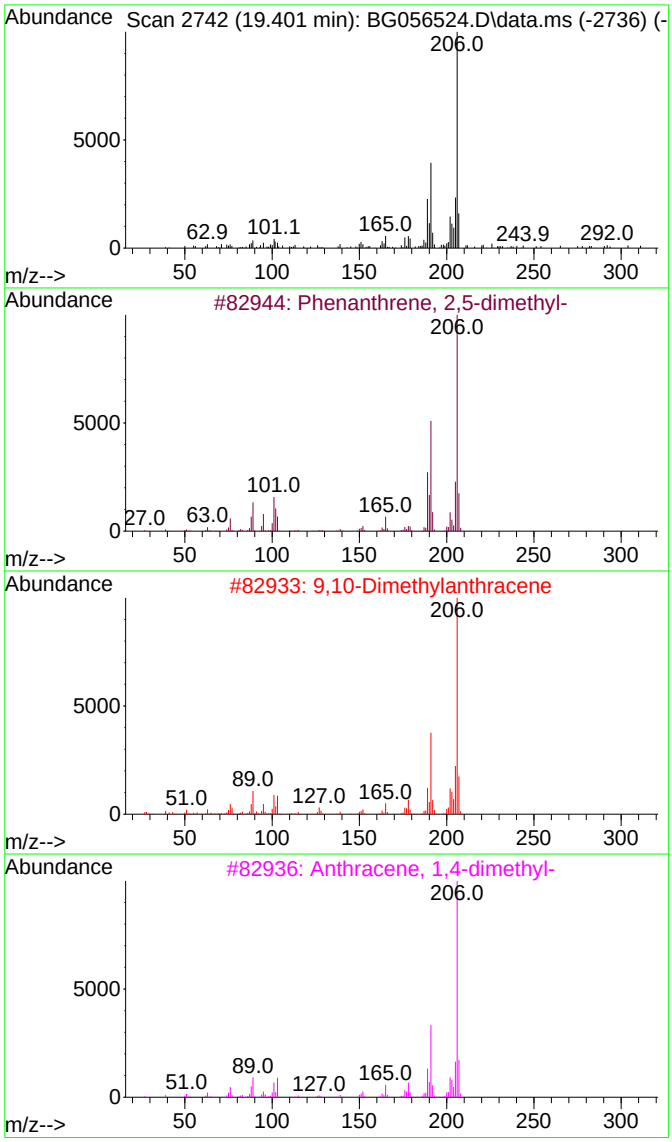
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

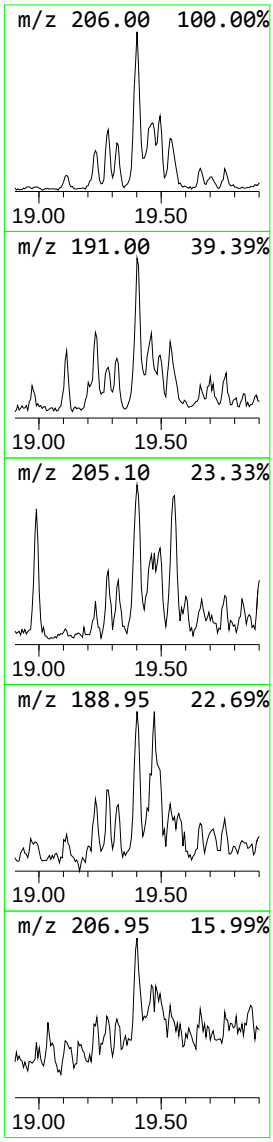
**********

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.401 | 5.34 ng | 153052 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 95 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 90 |
| 4 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |
| 5 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

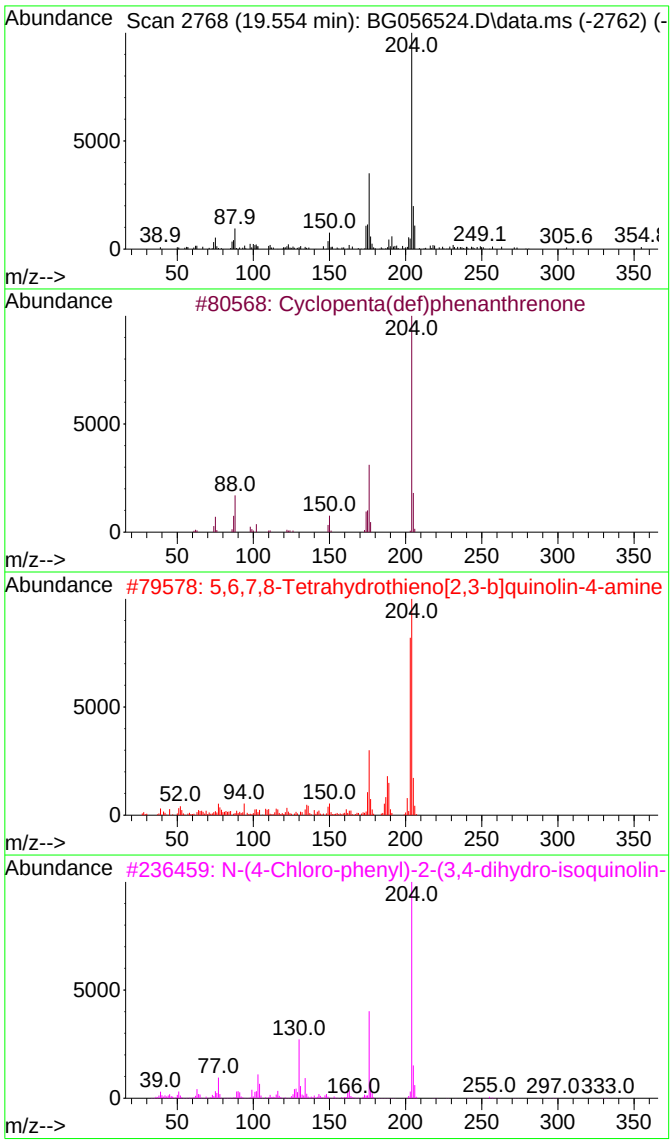
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

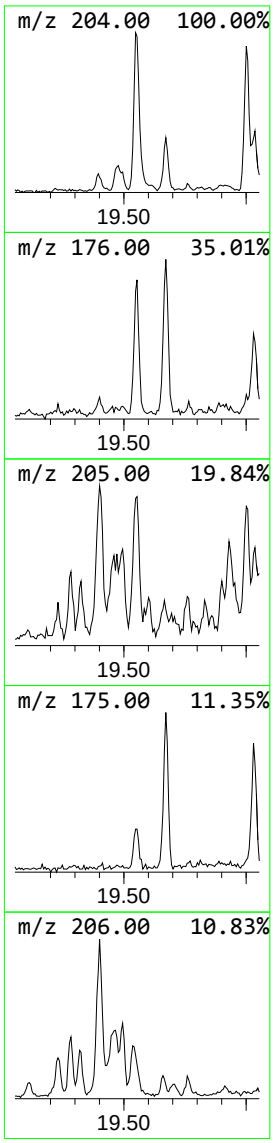
**********

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.554 | 4.71 ng | 135030 | Phenanthrene-d10 | 17.633 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 93 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 72 |
| 3 | N-(4-Chloro-phenyl)-2-(3,4-dihyd... | 330 | C17H15ClN2OS | 1010296-34-3 | 59 |
| 4 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 53 |
| 5 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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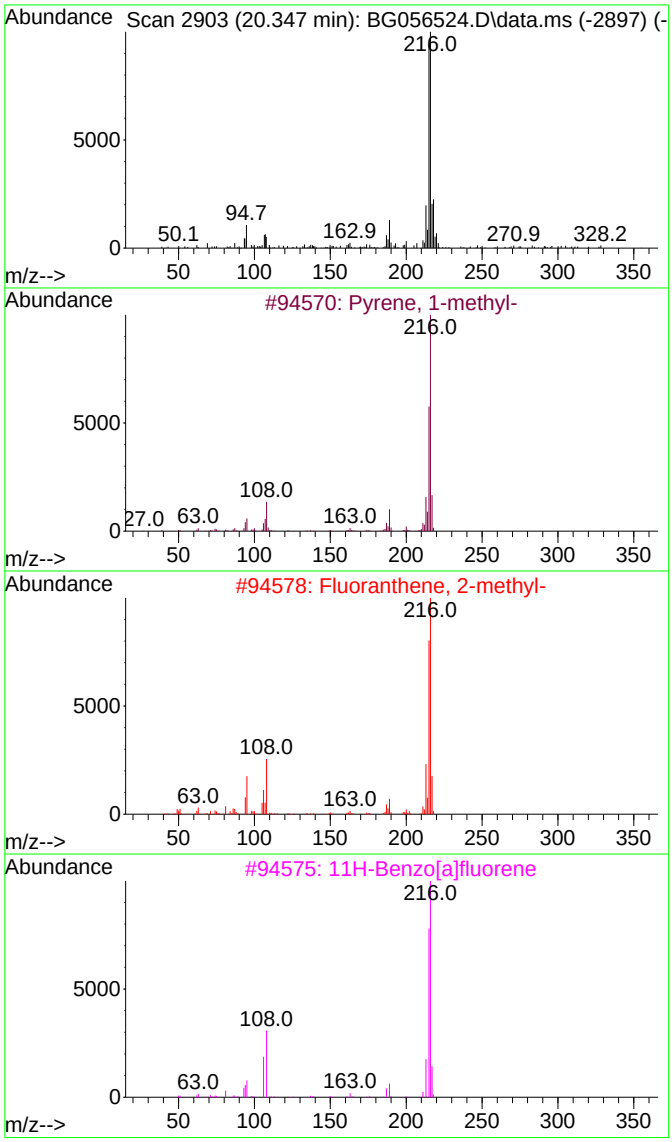
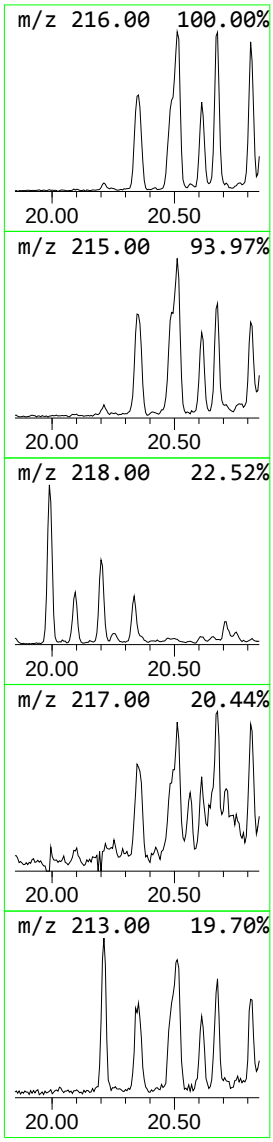
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.347 | 2.40 ng | 201055 | Chrysene-d12 | 21.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 81 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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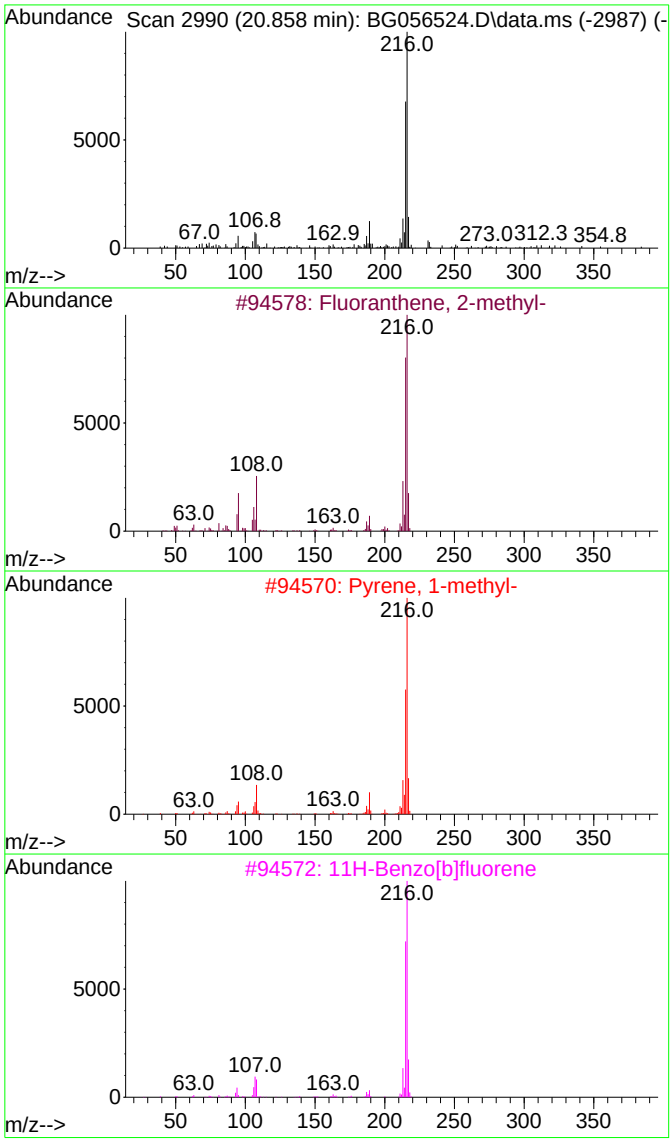
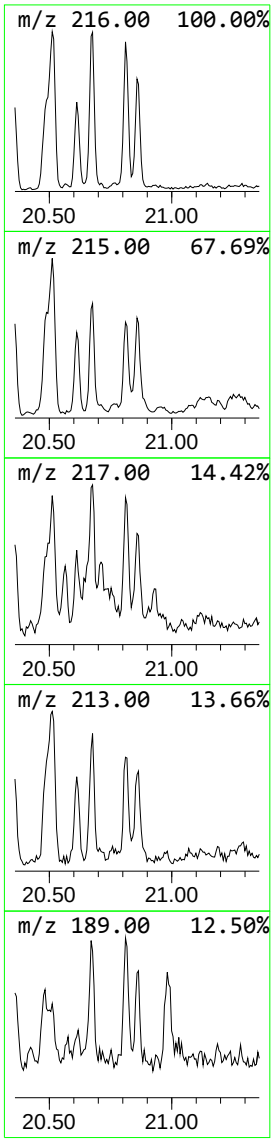
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.858 | 2.10 ng | 175633 | Chrysene-d12 | 21.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 93 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 4 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 90 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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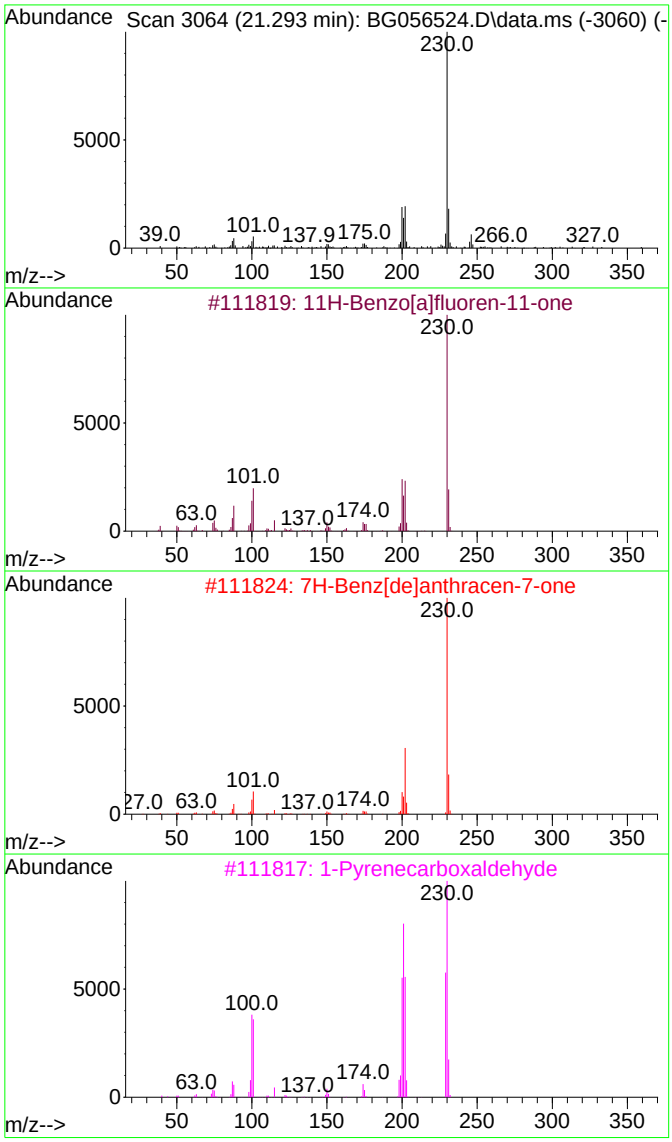
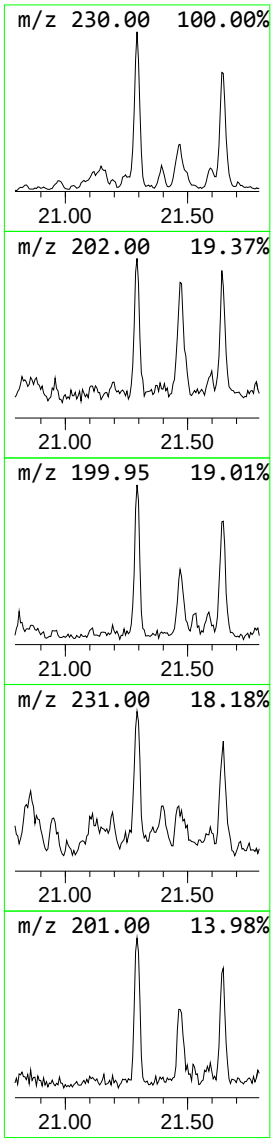
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.293 | 2.29 ng | 191373 | Chrysene-d12 | 21.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 76 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 64 |
| 4 | Dibenzo[c,h][2,6]naphthyridine | 230 | C16H10N2 | 000218-30-4 | 59 |
| 5 | .delta.(sup1),.alpha.-Acenaphthe... | 230 | C15H6N2O | 014619-86-4 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

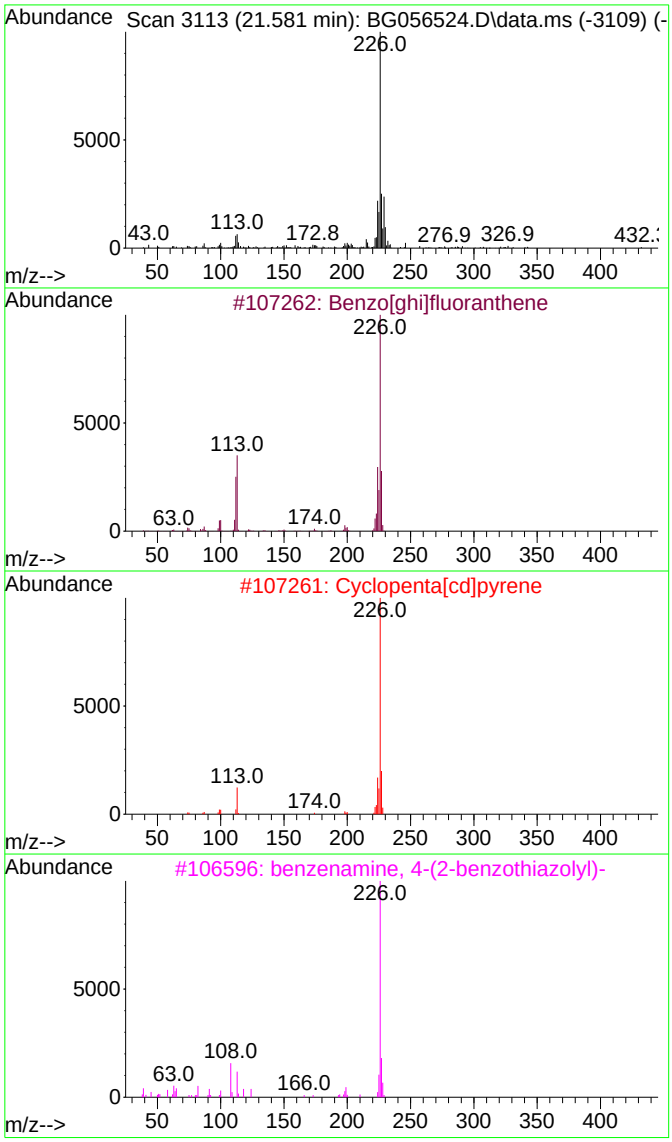
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

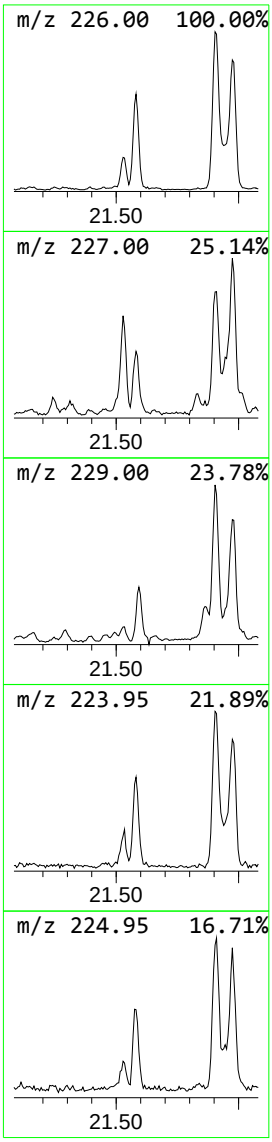
**********

Peak Number 13 Benzo[ghi]fluoranthene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.581 | 2.20 ng | 183753 | Chrysene-d12 | 21.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 64 |
| 2 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 58 |
| 3 | benzenamine, 4-(2-benzothiazolyl)- | 226 | C13H10N2S | 1000400-93-4 | 52 |
| 4 | 1,8-Diazacyclotetradecane-2,7-dione | 226 | C12H22N2O2 | 004266-66-4 | 43 |
| 5 | 9H-Thioxanthen-9-one, 2-methyl- | 226 | C14H10OS | 015774-82-0 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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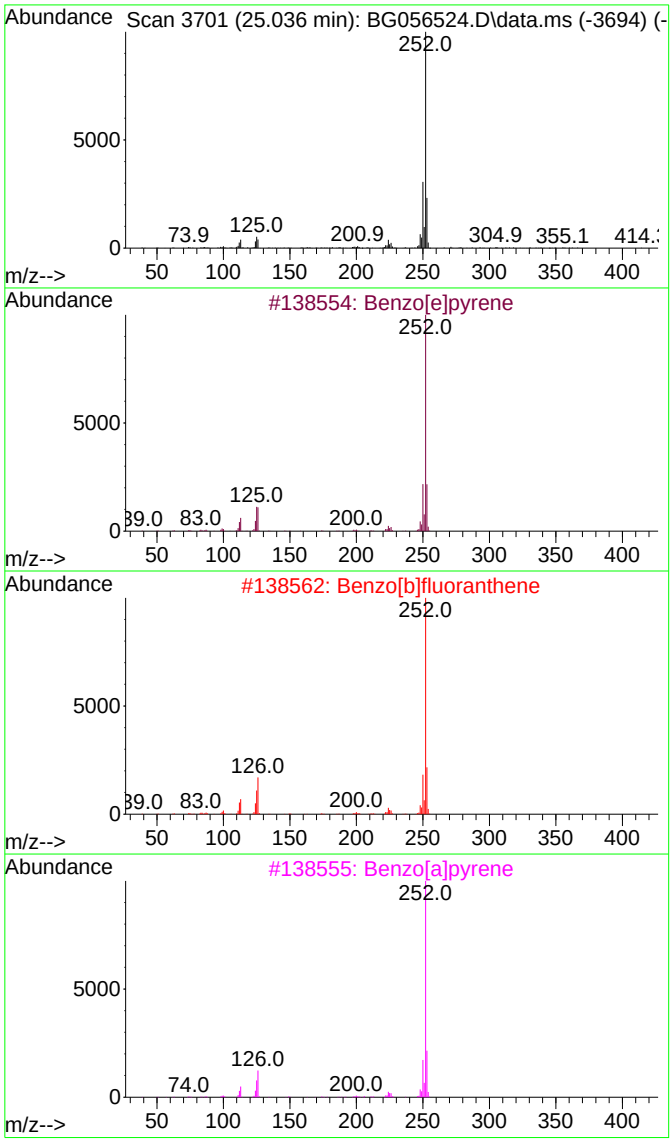
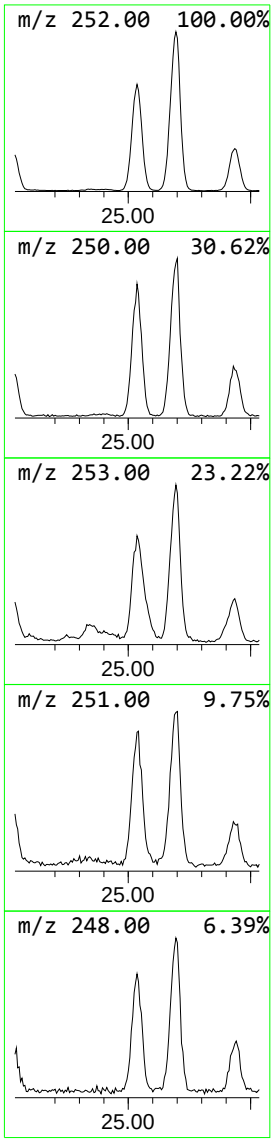
Peak Number 14 Benzo[e]pyrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.036 | 32.54 ng | 779504 | Perylene-d12 | 25.353 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 93 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 91 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 91 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
Acq On : 2 Feb 2023 21:37
Operator : CG/JU
Sample : 01386-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JPP-14-013123

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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 |
| 2-Pentanone, 4-... | 5.312 | 16.5 | ng | 174274 | 1 | 8.279 | 211262 | 20.0 |
| Benzophenone | 16.234 | 12.4 | ng | 285709 | 3 | 14.895 | 462010 | 20.0 |
| Phenanthrene, 1... | 18.502 | 6.3 | ng | 180321 | 4 | 17.633 | 572886 | 20.0 |
| Phenanthrene, 2... | 18.549 | 4.7 | ng | 135799 | 4 | 17.633 | 572886 | 20.0 |
| Phenanthrene, 3... | 18.626 | 2.2 | ng | 62832 | 4 | 17.633 | 572886 | 20.0 |
| 4H-Cyclopenta[d... | 18.702 | 7.2 | ng | 206280 | 4 | 17.633 | 572886 | 20.0 |
| Naphthalene, 2-... | 18.990 | 3.6 | ng | 104305 | 4 | 17.633 | 572886 | 20.0 |
| Phenanthrene, 2... | 19.401 | 5.3 | ng | 153052 | 4 | 17.633 | 572886 | 20.0 |
| Cyclopenta(def)... | 19.554 | 4.7 | ng | 135030 | 4 | 17.633 | 572886 | 20.0 |
| Pyrene, 1-methyl- | 20.347 | 2.4 | ng | 201055 | 5 | 21.928 | 1672880 | 20.0 |
| Fluoranthene, 2... | 20.858 | 2.1 | ng | 175633 | 5 | 21.928 | 1672880 | 20.0 |
| 11H-Benzo[a]flu... | 21.293 | 2.3 | ng | 191373 | 5 | 21.928 | 1672880 | 20.0 |
| Benzo[ghi]fluor... | 21.581 | 2.2 | ng | 183753 | 5 | 21.928 | 1672880 | 20.0 |
| Benzo[e]pyrene | 25.036 | 32.5 | ng | 779504 | 6 | 25.353 | 479143 | 20.0 |