LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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: BG054396.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.030 | 3 | 7 | 15 | rVB3 | 11662 | 24963 | 1.98% | 0.316% |
| 2 | 3.112 | 15 | 21 | 32 | rVB | 82174 | 144666 | 11.49% | 1.830% |
| 3 | 5.069 | 350 | 354 | 361 | rBV | 9061 | 14234 | 1.13% | 0.180% |
| 4 | 5.562 | 432 | 438 | 444 | rBV | 190804 | 315844 | 25.08% | 3.994% |
| 5 | 5.615 | 444 | 447 | 456 | rVB2 | 10852 | 21459 | 1.70% | 0.271% |
| 6 | 5.991 | 503 | 511 | 516 | rVB4 | 8034 | 13479 | 1.07% | 0.170% |
| 7 | 7.172 | 700 | 712 | 724 | rBV | 194591 | 360418 | 28.62% | 4.558% |
| 8 | 7.636 | 782 | 791 | 798 | rBV2 | 9445 | 17834 | 1.42% | 0.226% |
| 9 | 7.983 | 843 | 850 | 858 | rBV | 50237 | 86604 | 6.88% | 1.095% |
| 10 | 9.152 | 1042 | 1049 | 1057 | rVB | 119143 | 227190 | 18.04% | 2.873% |
| 11 | 10.797 | 1320 | 1329 | 1333 | rBV | 66034 | 125073 | 9.93% | 1.582% |
| 12 | 10.844 | 1333 | 1337 | 1345 | rVB | 36147 | 66666 | 5.29% | 0.843% |
| 13 | 12.454 | 1603 | 1611 | 1617 | rBB | 29240 | 49989 | 3.97% | 0.632% |
| 14 | 12.671 | 1638 | 1648 | 1655 | rBB | 22259 | 36544 | 2.90% | 0.462% |
| 15 | 13.247 | 1737 | 1746 | 1757 | rBV | 388426 | 635335 | 50.45% | 8.035% |
| 16 | 13.794 | 1832 | 1839 | 1848 | rVB5 | 10404 | 26555 | 2.11% | 0.336% |
| 17 | 13.946 | 1858 | 1865 | 1870 | rBV2 | 14623 | 27196 | 2.16% | 0.344% |
| 18 | 13.999 | 1870 | 1874 | 1879 | rVB2 | 8880 | 13289 | 1.06% | 0.168% |
| 19 | 14.352 | 1922 | 1934 | 1943 | rBV | 15753 | 34836 | 2.77% | 0.441% |
| 20 | 14.622 | 1968 | 1980 | 1987 | rBV | 127329 | 214101 | 17.00% | 2.708% |
| 21 | 14.687 | 1987 | 1991 | 1997 | rVB4 | 9727 | 17591 | 1.40% | 0.222% |
| 22 | 15.022 | 2041 | 2048 | 2054 | rVB2 | 10004 | 17055 | 1.35% | 0.216% |
| 23 | 15.239 | 2076 | 2085 | 2088 | rBV5 | 6490 | 13491 | 1.07% | 0.171% |
| 24 | 15.409 | 2106 | 2114 | 2117 | rBV6 | 6709 | 13295 | 1.06% | 0.168% |
| 25 | 15.662 | 2152 | 2157 | 2167 | rVB3 | 13226 | 27080 | 2.15% | 0.342% |
| 26 | 16.114 | 2227 | 2234 | 2245 | rBV | 400316 | 650906 | 51.68% | 8.232% |
| 27 | 16.350 | 2265 | 2274 | 2278 | rBV6 | 11859 | 26300 | 2.09% | 0.333% |
| 28 | 16.673 | 2321 | 2329 | 2334 | rBV9 | 5920 | 17229 | 1.37% | 0.218% |
| 29 | 17.019 | 2383 | 2388 | 2396 | rVB3 | 13189 | 23985 | 1.90% | 0.303% |
| 30 | 17.366 | 2441 | 2447 | 2451 | rBV | 187694 | 295412 | 23.46% | 3.736% |
| 31 | 17.407 | 2451 | 2454 | 2463 | rVB | 61133 | 98624 | 7.83% | 1.247% |
| 32 | 17.501 | 2463 | 2470 | 2474 | rBV | 22244 | 36364 | 2.89% | 0.460% |
| 33 | 17.566 | 2474 | 2481 | 2486 | rBV8 | 7181 | 15738 | 1.25% | 0.199% |
| 34 | 18.024 | 2554 | 2559 | 2562 | rBV2 | 15154 | 18585 | 1.48% | 0.235% |
| 35 | 18.253 | 2592 | 2598 | 2601 | rBV2 | 35580 | 63055 | 5.01% | 0.797% |
| 36 | 18.294 | 2601 | 2605 | 2609 | rVB | 26489 | 44033 | 3.50% | 0.557% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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 | 18.377 | 2615 | 2619 | 2623 | rVV2 | 9411 | 12704 | 1.01% | 0.161% |
| 38 | 18.435 | 2624 | 2629 | 2634 | rVV3 | 30926 | 65344 | 5.19% | 0.826% |
| 39 | 18.476 | 2634 | 2636 | 2641 | rVB | 18040 | 21449 | 1.70% | 0.271% |
| 40 | 18.735 | 2677 | 2680 | 2685 | rVB | 13060 | 18414 | 1.46% | 0.233% |
| 41 | 19.158 | 2748 | 2752 | 2757 | rBV2 | 19307 | 32315 | 2.57% | 0.409% |
| 42 | 19.305 | 2772 | 2777 | 2785 | rBV3 | 11957 | 33429 | 2.65% | 0.423% |
| 43 | 19.422 | 2791 | 2797 | 2802 | rBV | 89902 | 132220 | 10.50% | 1.672% |
| 44 | 19.475 | 2802 | 2806 | 2809 | rBV4 | 11331 | 16206 | 1.29% | 0.205% |
| 45 | 19.569 | 2819 | 2822 | 2827 | rVV | 13838 | 15392 | 1.22% | 0.195% |
| 46 | 19.687 | 2835 | 2842 | 2849 | rBV4 | 11666 | 27037 | 2.15% | 0.342% |
| 47 | 19.746 | 2849 | 2852 | 2853 | rVV | 19781 | 20940 | 1.66% | 0.265% |
| 48 | 19.781 | 2854 | 2858 | 2867 | rVV | 105571 | 174651 | 13.87% | 2.209% |
| 49 | 19.851 | 2867 | 2870 | 2877 | rVB4 | 12387 | 22641 | 1.80% | 0.286% |
| 50 | 19.975 | 2885 | 2891 | 2897 | rBV | 928152 | 1259459 | 100.00% | 15.928% |
| 51 | 20.110 | 2909 | 2914 | 2920 | rVB3 | 15554 | 36755 | 2.92% | 0.465% |
| 52 | 20.274 | 2933 | 2942 | 2947 | rVB | 32694 | 78205 | 6.21% | 0.989% |
| 53 | 20.374 | 2955 | 2959 | 2962 | rVV | 16702 | 21427 | 1.70% | 0.271% |
| 54 | 20.433 | 2966 | 2969 | 2973 | rVB2 | 20961 | 31018 | 2.46% | 0.392% |
| 55 | 20.574 | 2989 | 2993 | 2997 | rBV | 20484 | 28121 | 2.23% | 0.356% |
| 56 | 20.621 | 2997 | 3001 | 3009 | rVB2 | 15634 | 29256 | 2.32% | 0.370% |
| 57 | 21.267 | 3106 | 3111 | 3115 | rBV4 | 33411 | 61016 | 4.84% | 0.772% |
| 58 | 21.632 | 3165 | 3173 | 3178 | rBV3 | 251532 | 536269 | 42.58% | 6.782% |
| 59 | 21.679 | 3178 | 3181 | 3190 | rVB | 63996 | 99251 | 7.88% | 1.255% |
| 60 | 22.354 | 3293 | 3296 | 3302 | rVB2 | 24632 | 38887 | 3.09% | 0.492% |
| 61 | 22.507 | 3320 | 3322 | 3328 | rBV7 | 10398 | 18652 | 1.48% | 0.236% |
| 62 | 23.817 | 3538 | 3545 | 3553 | rBV2 | 59745 | 198783 | 15.78% | 2.514% |
| 63 | 24.070 | 3584 | 3588 | 3596 | rVB2 | 29365 | 71590 | 5.68% | 0.905% |
| 64 | 24.534 | 3661 | 3667 | 3678 | rVB | 52481 | 151403 | 12.02% | 1.915% |
| 65 | 24.675 | 3683 | 3691 | 3704 | rVB | 75632 | 224257 | 17.81% | 2.836% |
| 66 | 24.828 | 3709 | 3717 | 3726 | rBV | 125050 | 356793 | 28.33% | 4.512% |
| 67 | 28.488 | 4332 | 4340 | 4359 | rVB3 | 48775 | 238405 | 18.93% | 3.015% |

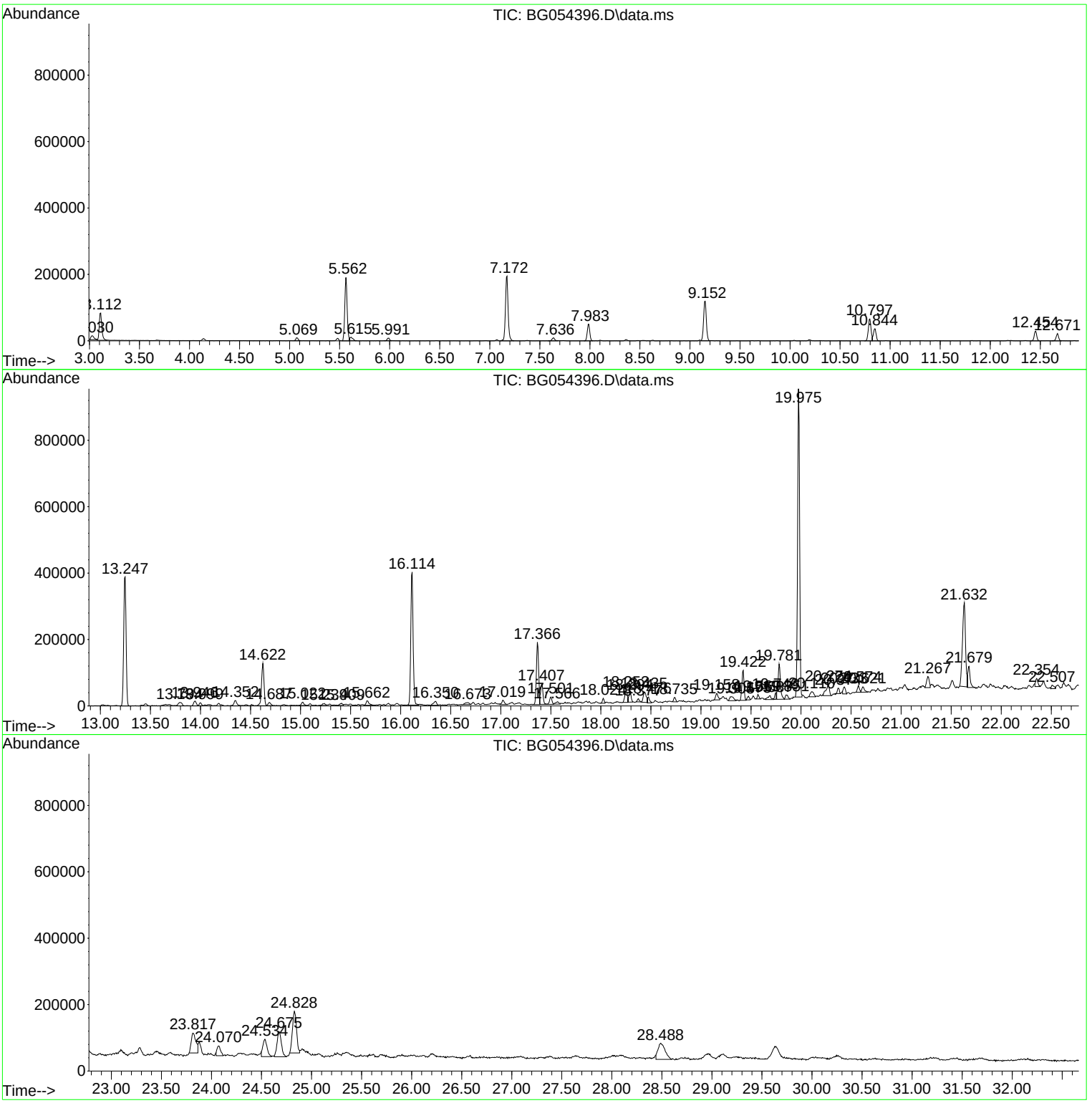
Sum of corrected areas: 7907307

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

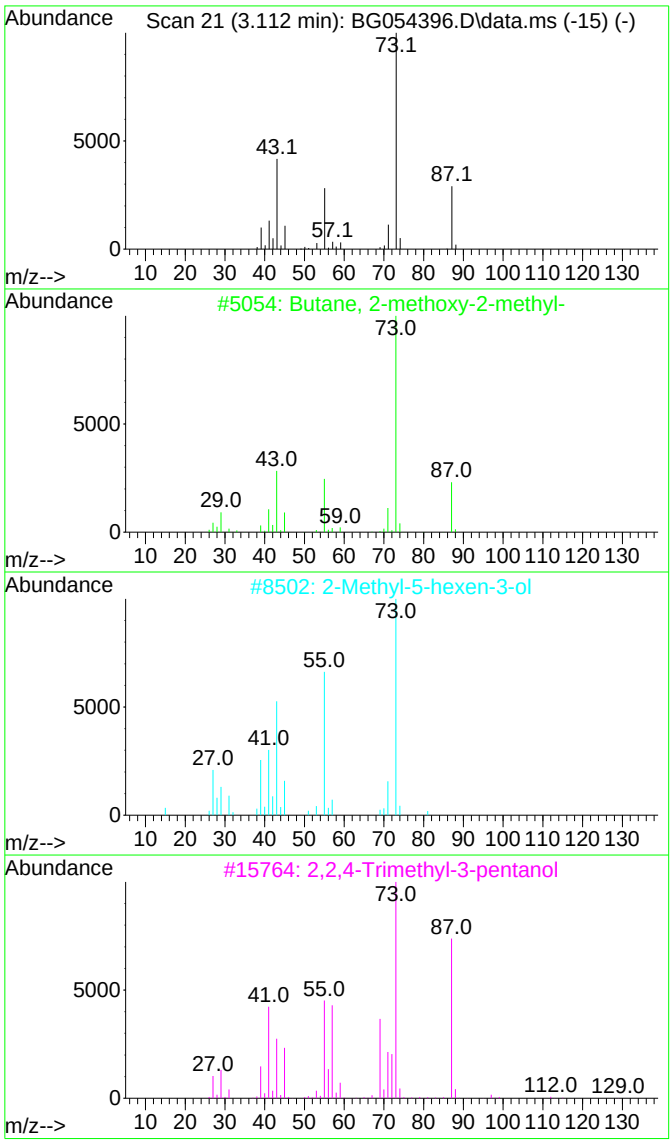
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

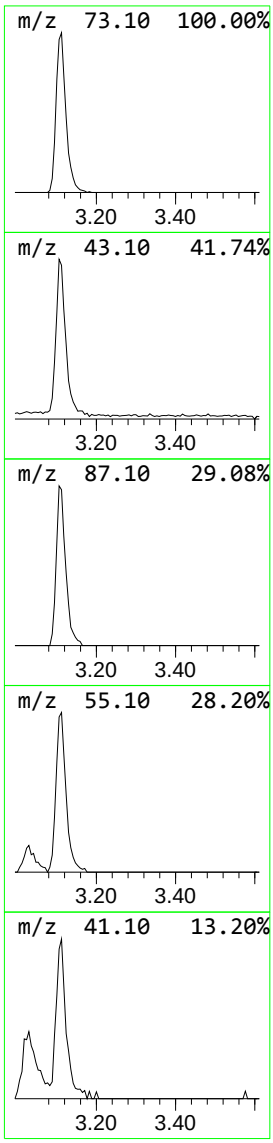
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.112 | 33.41 ng | 144666 | 1,4-Dichlorobenzene-d4 | 7.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 47 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 33 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 25 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

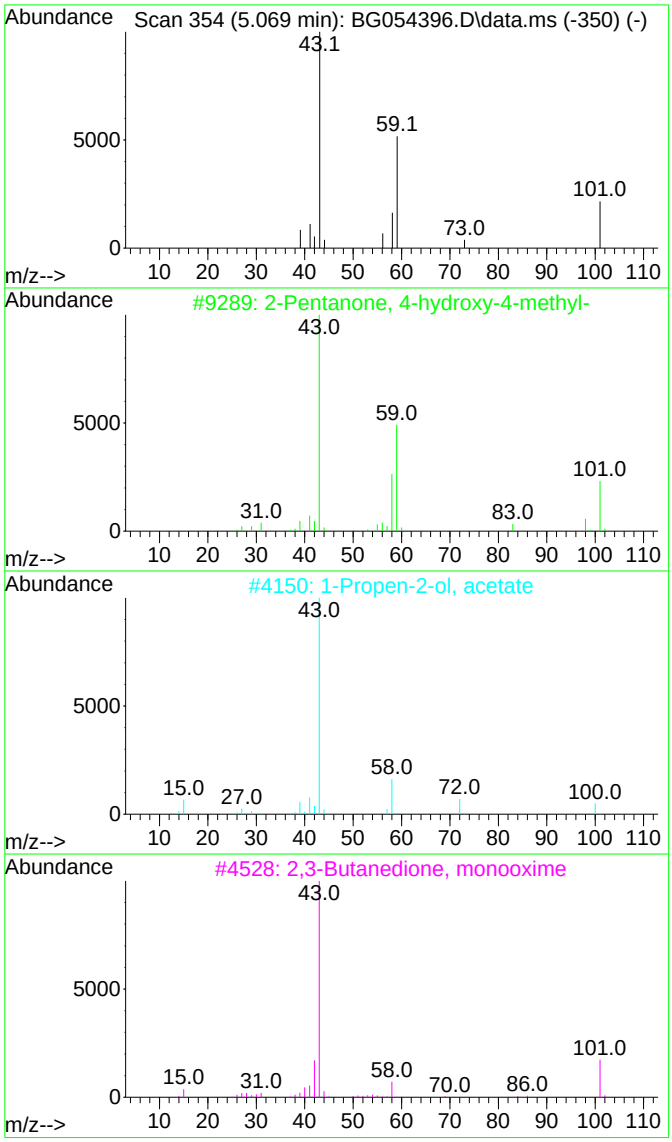
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

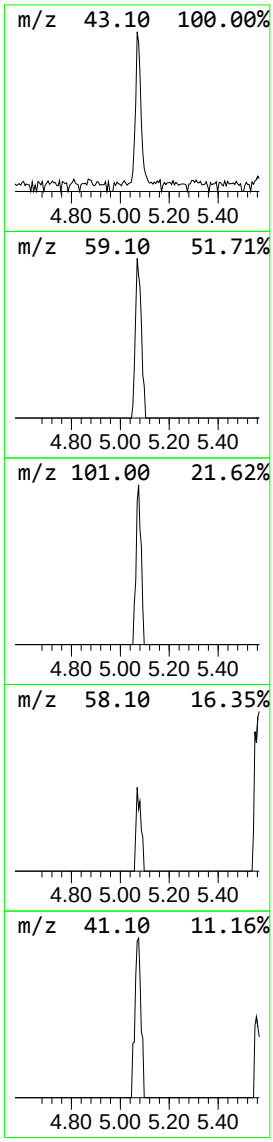
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.069 | 3.29 ng | 14234 | 1,4-Dichlorobenzene-d4 | 7.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 40 |
| 2 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 9 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 7 |
| 4 | N-(n-Propyl)acetamide | 101 | C5H11NO | 005331-48-6 | 7 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 5 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

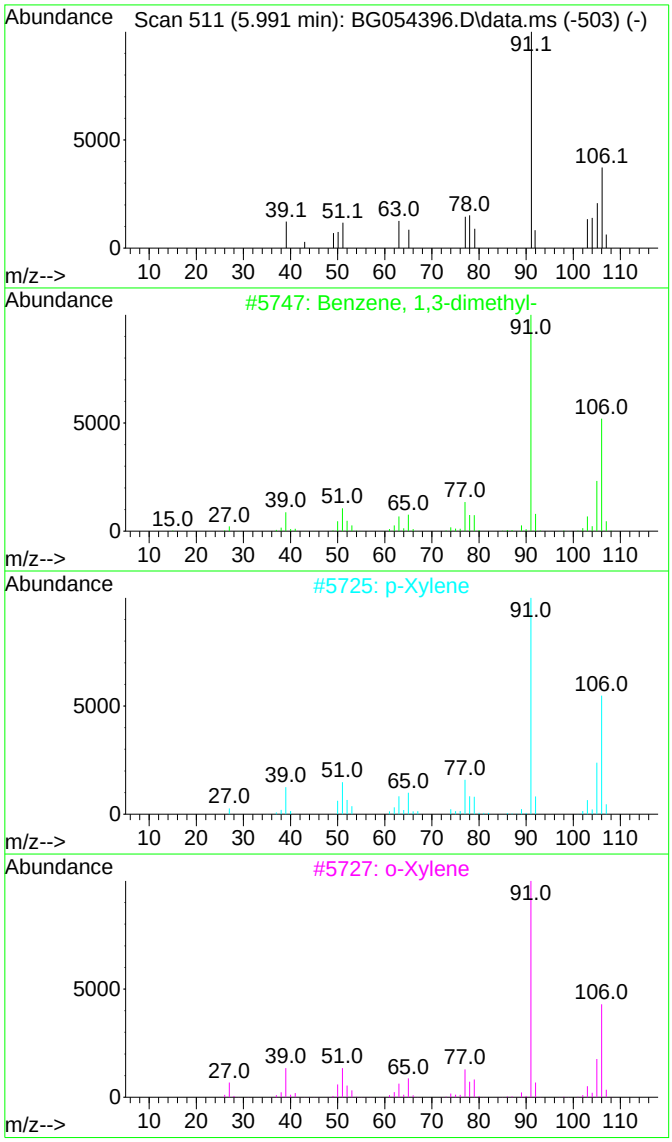
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

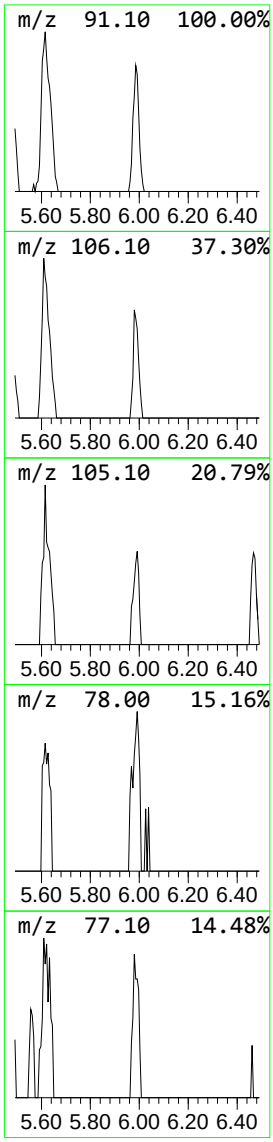
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.991 | 3.11 ng | 13479 | 1,4-Dichlorobenzene-d4 | 7.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 74 |
| 2 | p-Xylene | 106 | C8H10 | 000106-42-3 | 74 |
| 3 | o-Xylene | 106 | C8H10 | 000095-47-6 | 74 |
| 4 | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10 | 002175-91-9 | 64 |
| 5 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

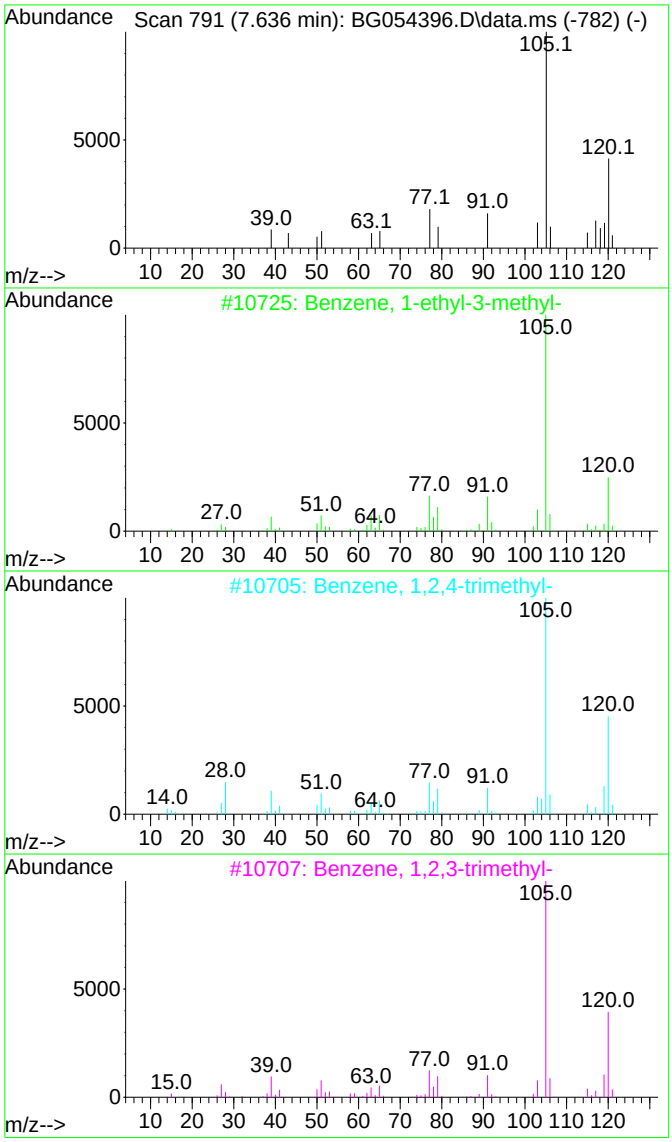
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

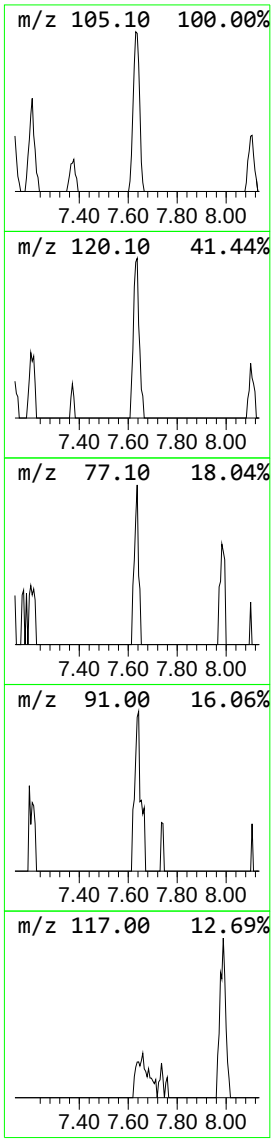
**********

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.636 | 4.12 ng | 17834 | 1,4-Dichlorobenzene-d4 | 7.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 83 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 80 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 80 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 80 |
| 5 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

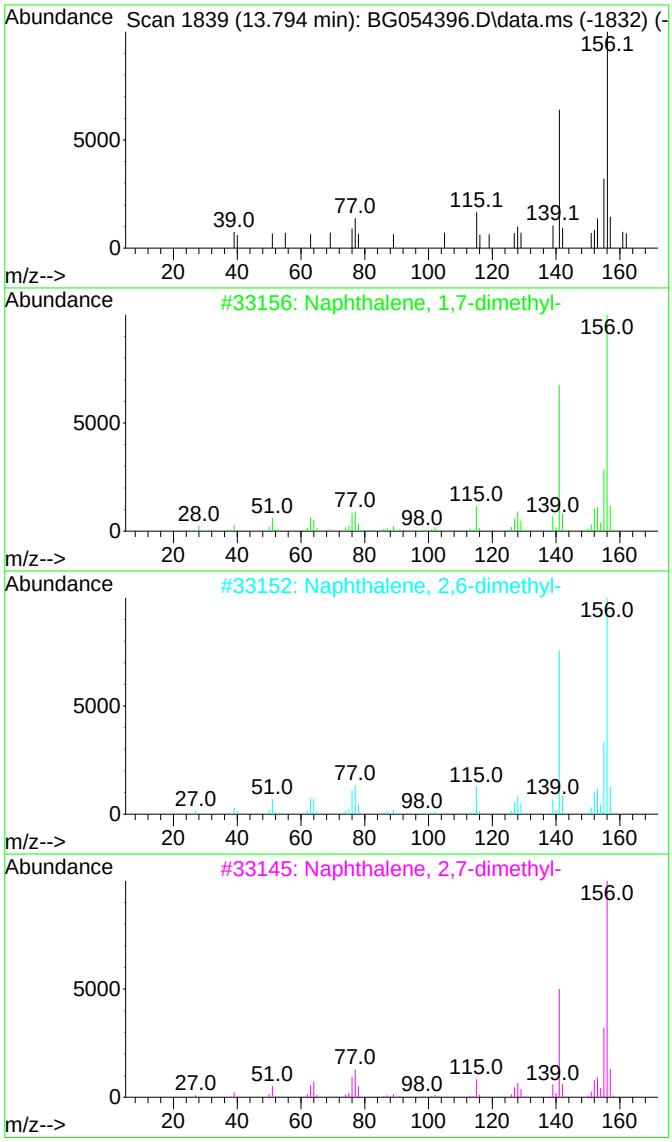
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

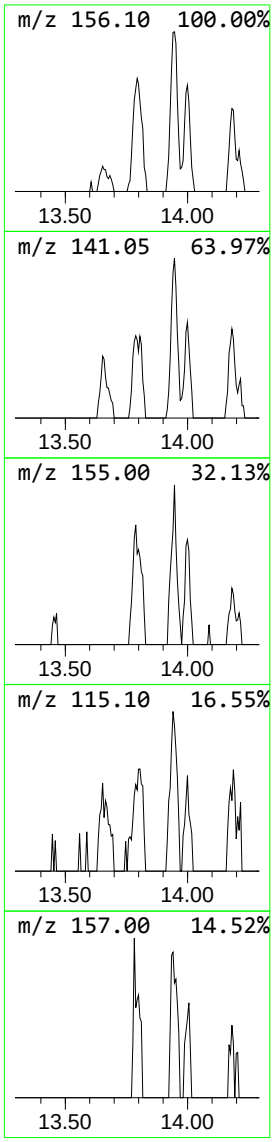
**********

Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.794 | 2.48 ng | 26555 | Acenaphthene-d10 | 14.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

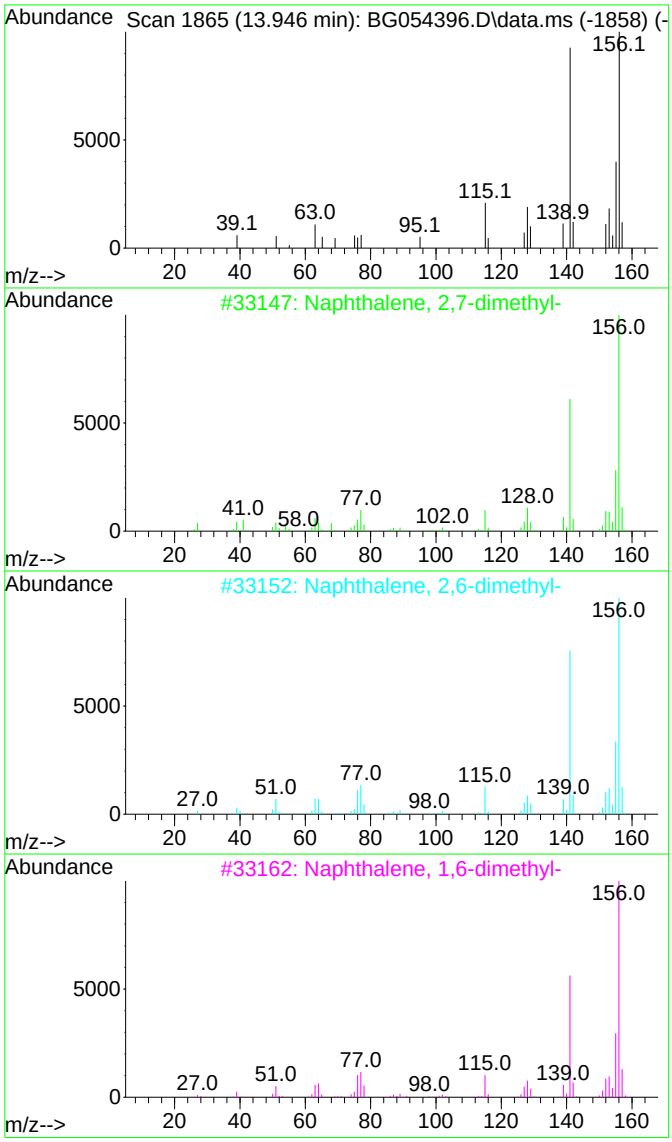
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

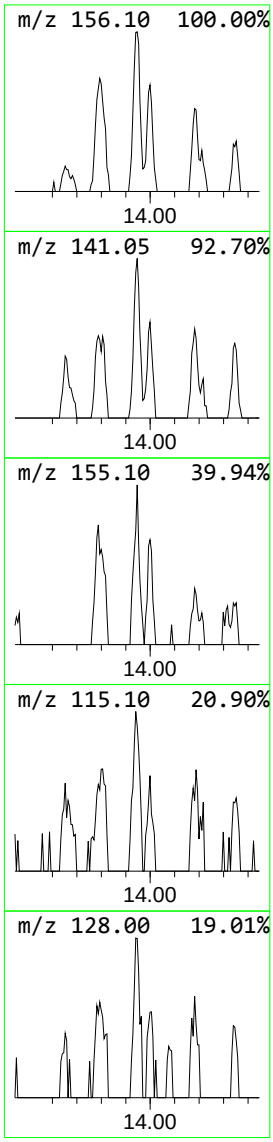
**********

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.946 | 2.54 ng | 27196 | Acenaphthene-d10 | 14.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 2 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 94 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 94 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |
| 5 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

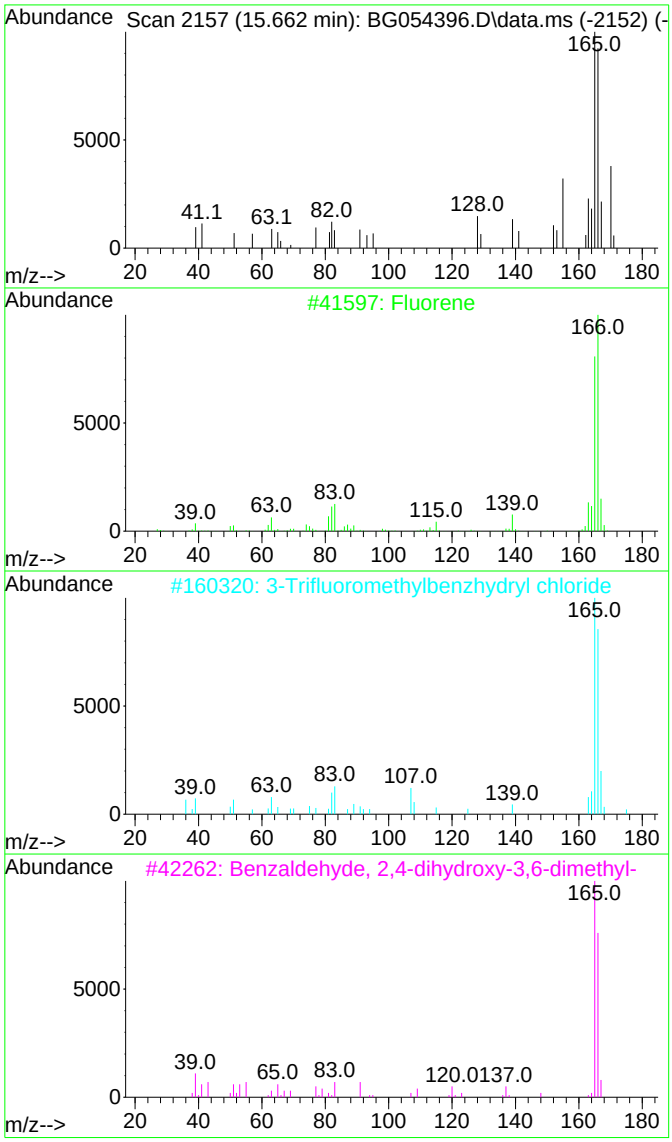
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

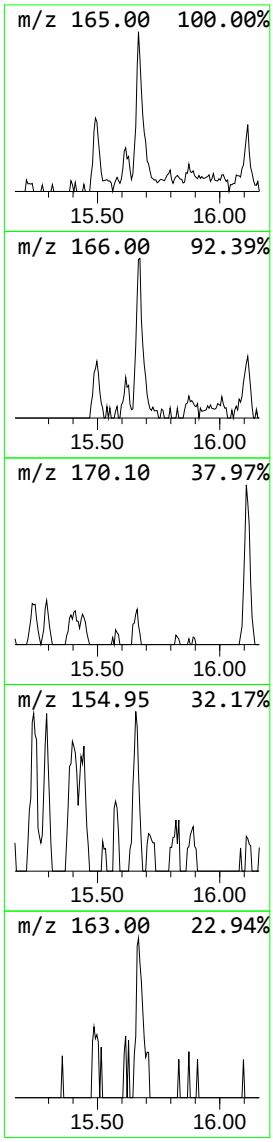
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 3-Trifluoromethylbenzhydryl... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.662 | 2.53 ng | 27080 | Acenaphthene-d10 | 14.622 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluorene | 166 | C13H10 | 000086-73-7 | 53 |
| 2 | 3-Trifluoromethylbenzhydryl chlo... | 270 | C14H10ClF3 | 067240-79-3 | 53 |
| 3 | Benzaldehyde, 2,4-dihydroxy-3,6-... | 166 | C9H10O3 | 034883-14-2 | 47 |
| 4 | 6H-Purine-6-thione, 1,9-dihydro-... | 166 | C6H6N4S | 001006-20-8 | 16 |
| 5 | Furo[3,4-c]pyridine-3,4(1H,5H)-d... | 165 | C8H7NO3 | 007472-18-6 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

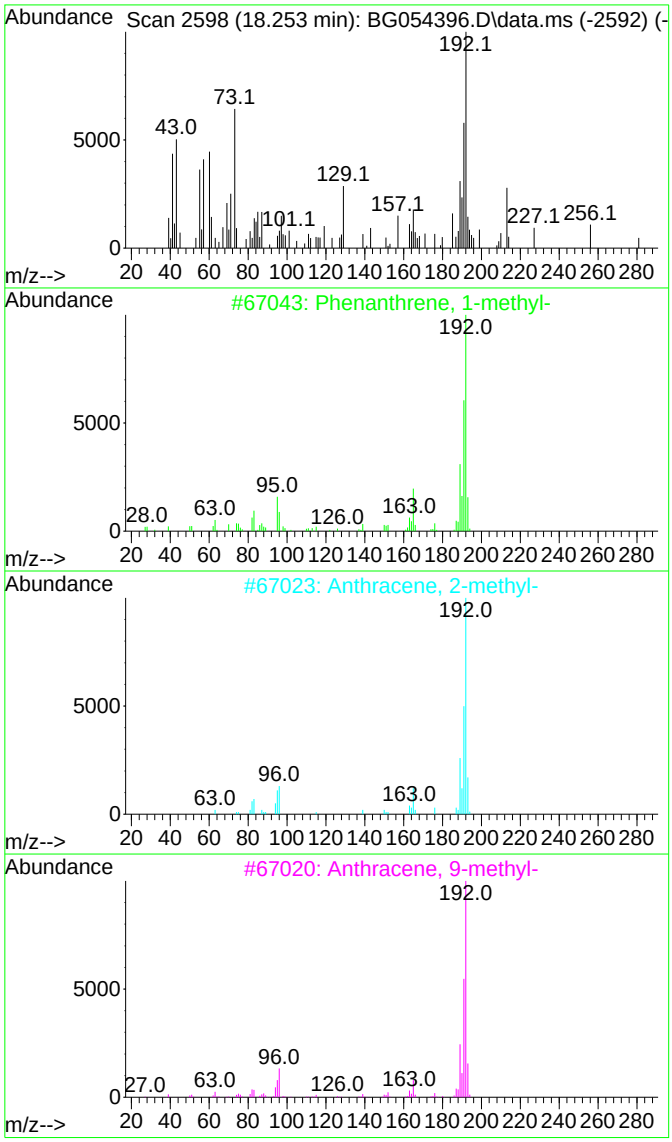
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

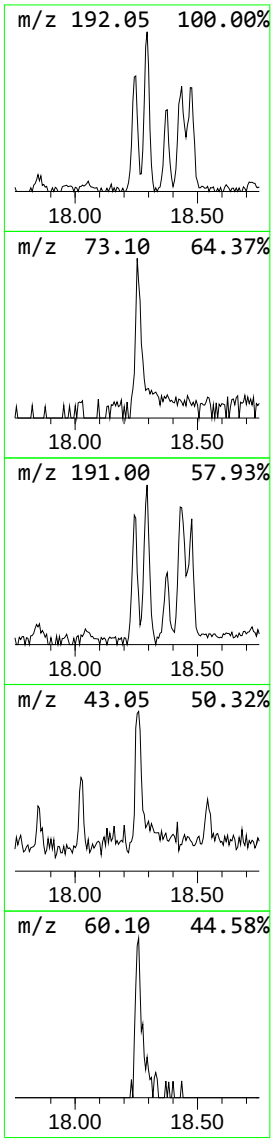
**********

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.253 | 4.27 ng | 63055 | Phenanthrene-d10 | 17.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 60 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 55 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 50 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 46 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 46 |



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Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

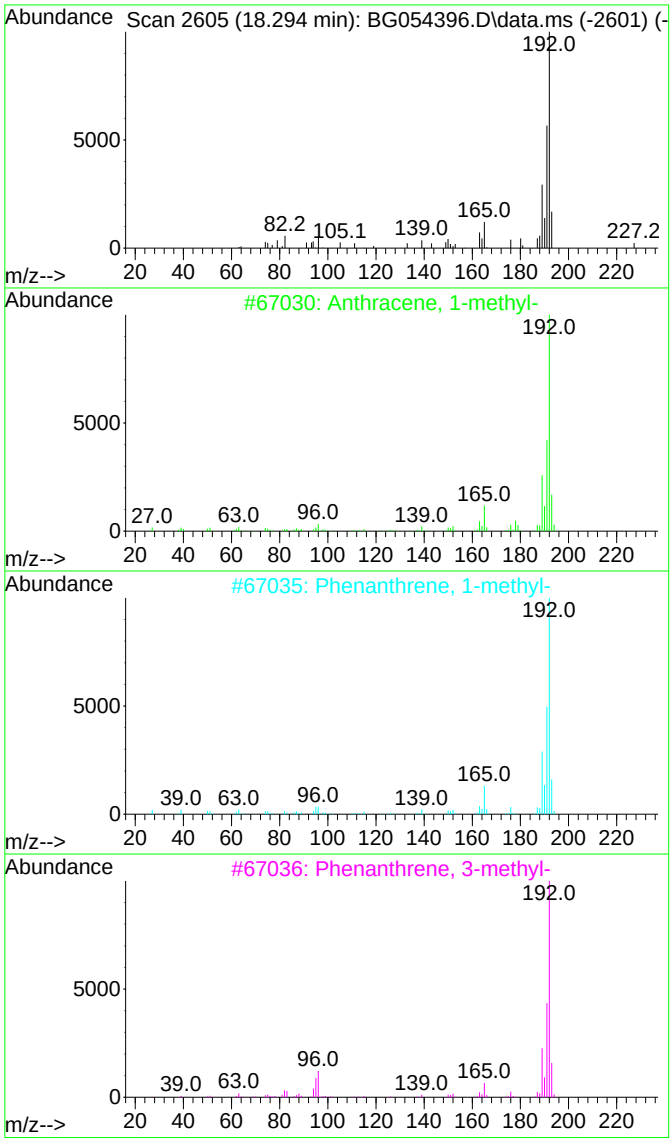
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

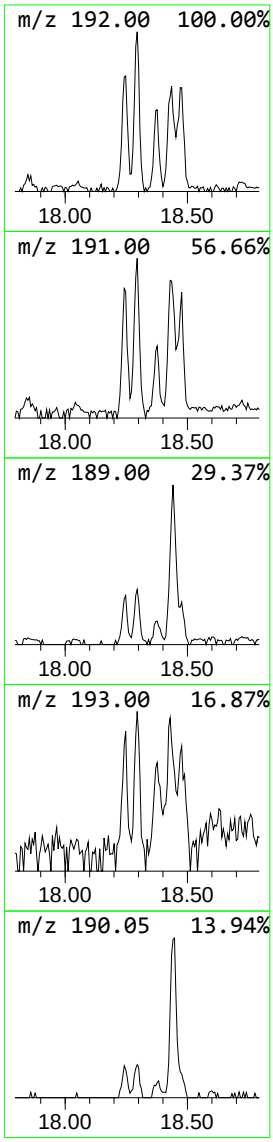
**********

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.294 | 2.98 ng | 44033 | Phenanthrene-d10 | 17.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 91 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |



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Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

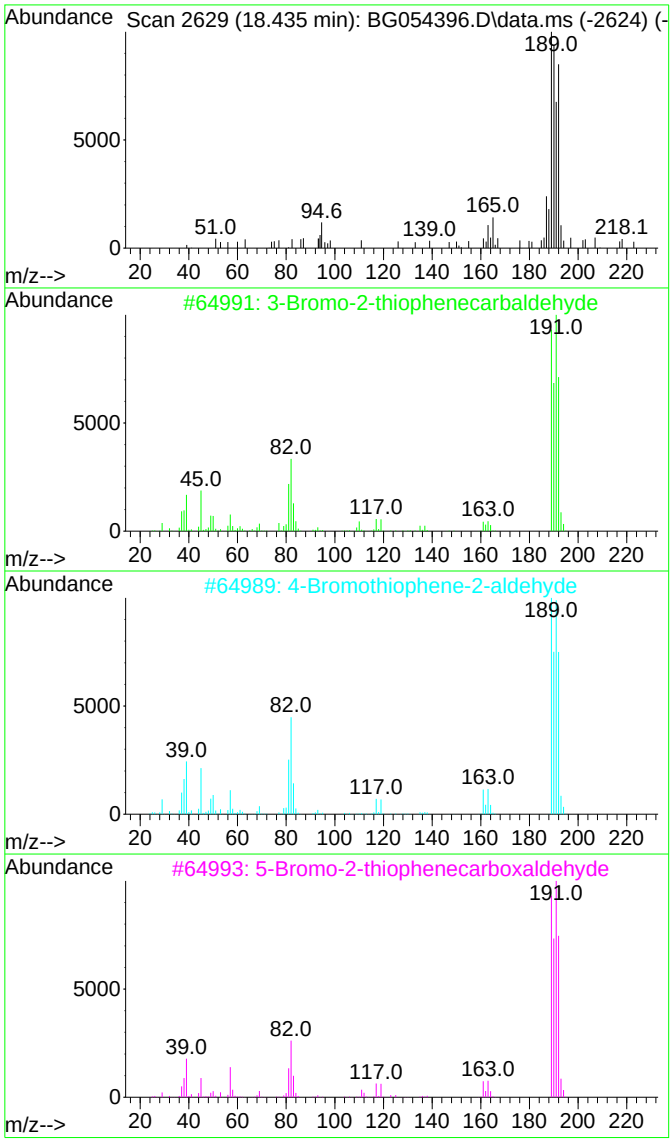
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

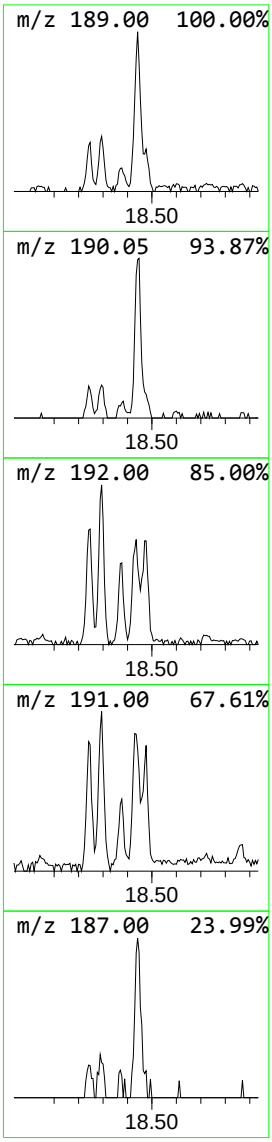
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 3-Bromo-2-thiophenecarbalde... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.435 | 4.42 ng | 65344 | Phenanthrene-d10 | 17.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Bromo-2-thiophenecarbaldehyde | 190 | C5H3BrOS | 000930-96-1 | 59 |
| 2 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 59 |
| 3 | 5-Bromo-2-thiophenecarboxaldehyde | 190 | C5H3BrOS | 004701-17-1 | 59 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 5 | 5-Bromo-4-fluoropyridin-2-amine | 190 | C5H4BrFN2 | 944401-69-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

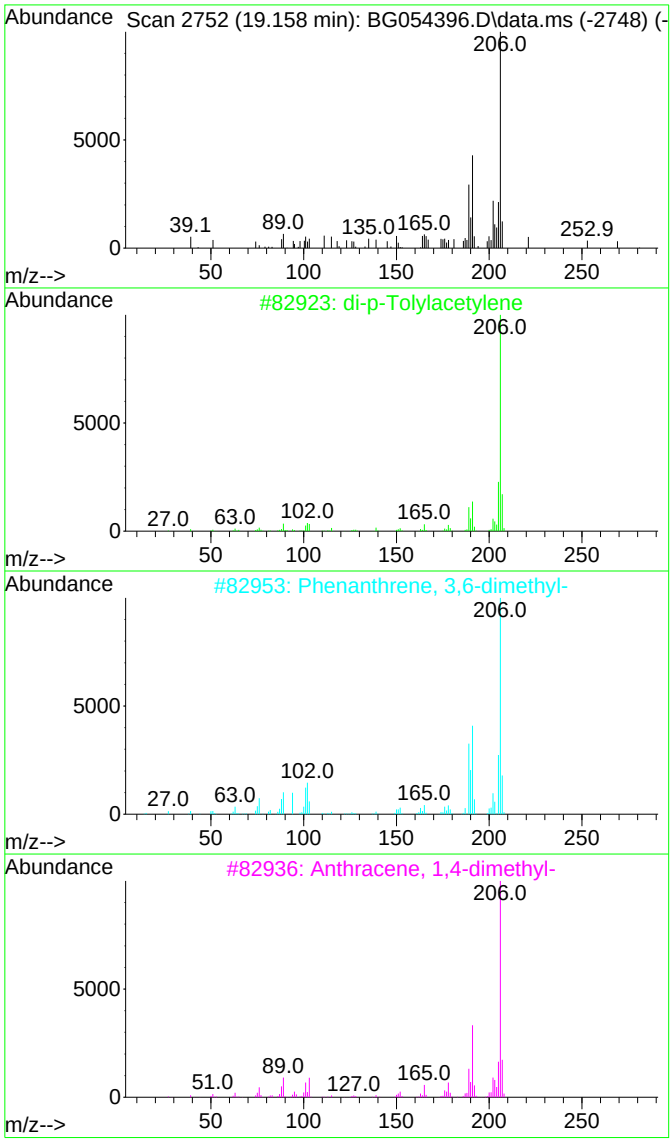
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

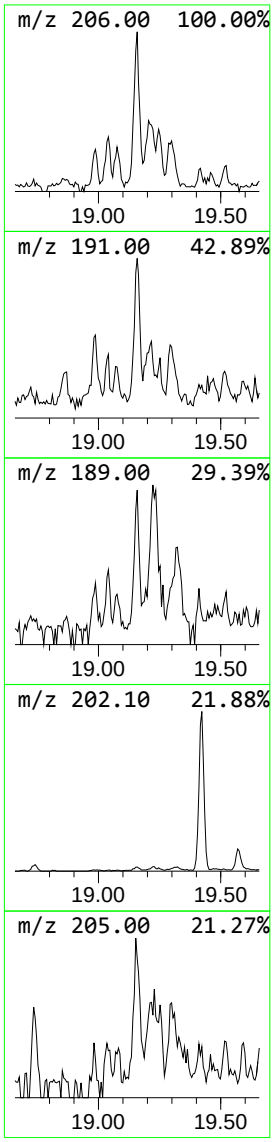
**********

Peak Number 13 di-p-Tolylacetylene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.158 | 2.19 ng | 32315 | Phenanthrene-d10 | 17.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 80 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 76 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 74 |
| 4 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 64 |
| 5 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 64 |



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Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

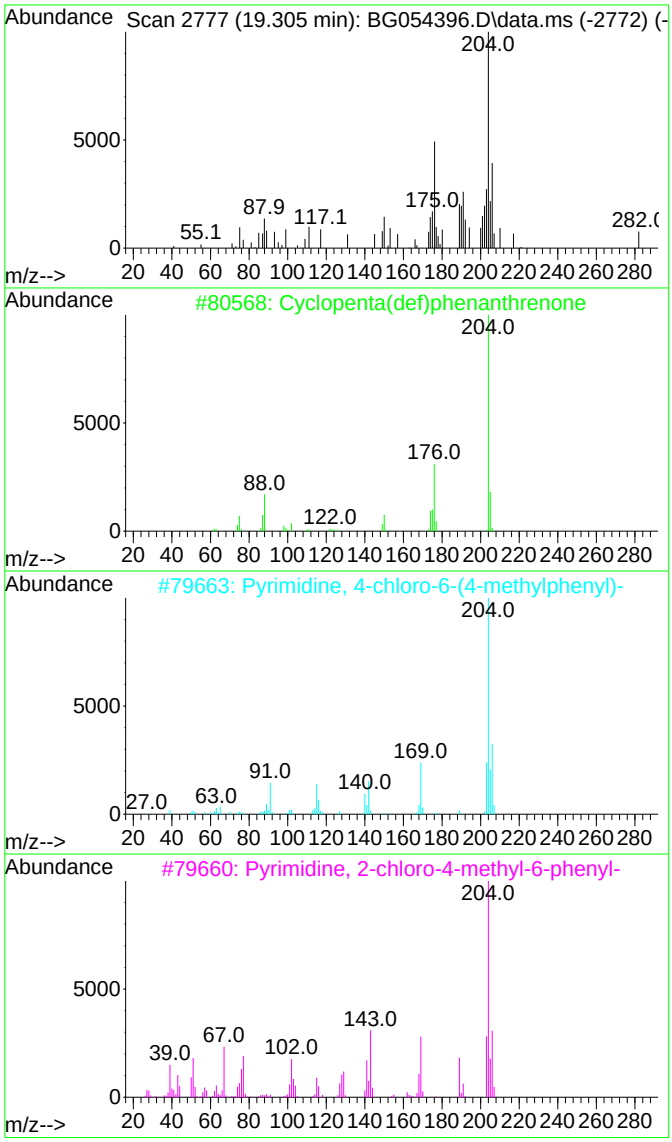
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

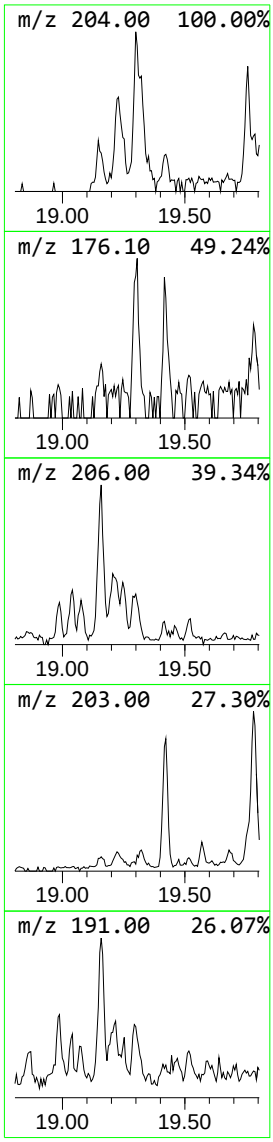
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.305 | 2.26 ng | 33429 | Phenanthrene-d10 | 17.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 50 |
| 2 | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 49 |
| 3 | Pyrimidine, 2-chloro-4-methyl-6-... | 204 | C11H9ClN2 | 032785-40-3 | 49 |
| 4 | [1,1'-Biphenyl]-2-ol, 3-chloro- | 204 | C12H9ClO | 000085-97-2 | 49 |
| 5 | [1,1'-Biphenyl]-2-ol, 5-chloro- | 204 | C12H9ClO | 000607-12-5 | 47 |



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Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

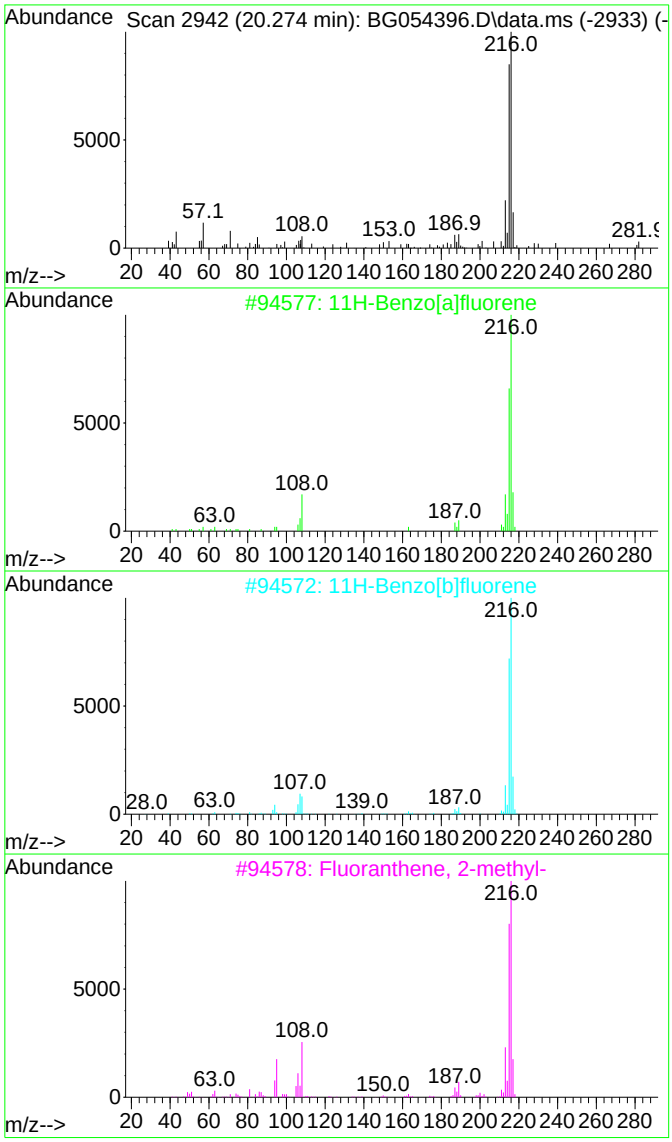
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

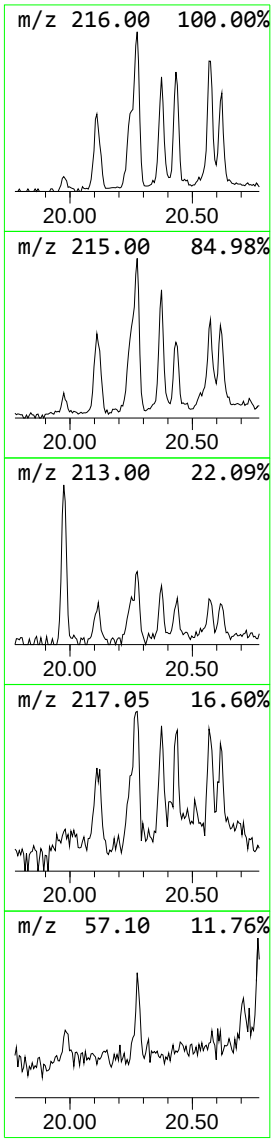
**********

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.274 | 2.92 ng | 78205 | Chrysene-d12 | 21.632 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

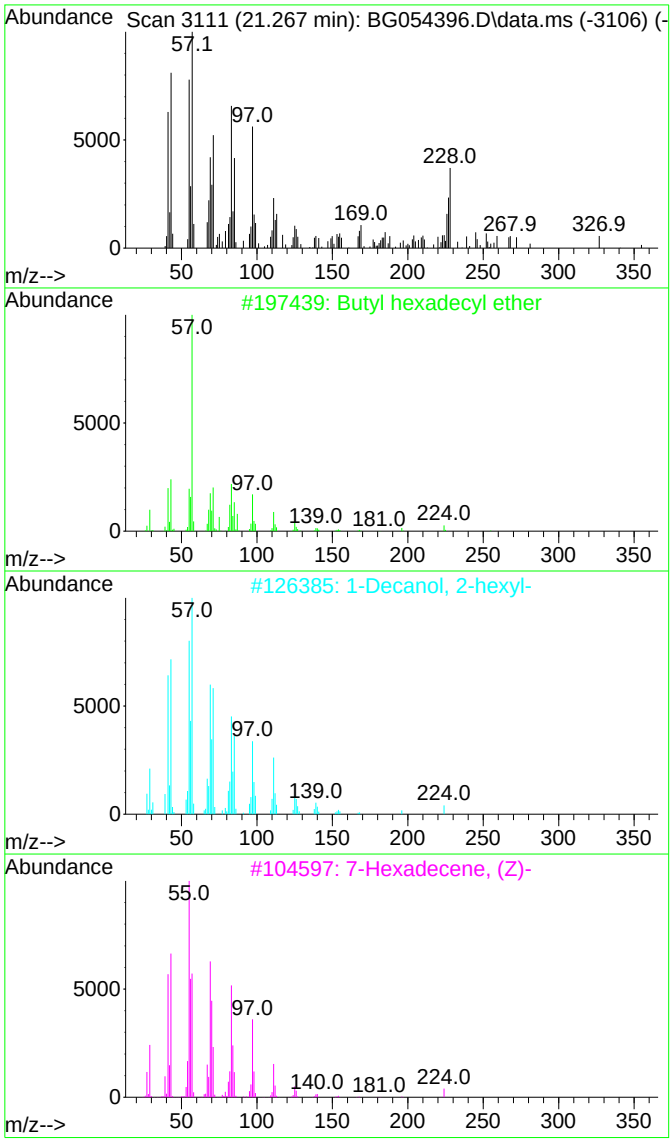
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

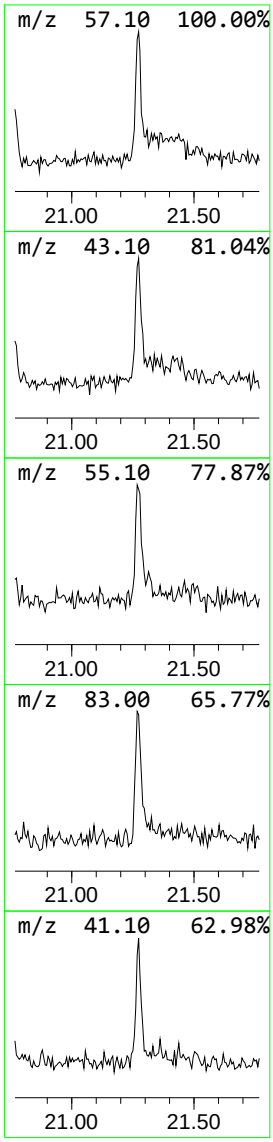
**********

Peak Number 16 Butyl hexadecyl ether Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.267 | 2.28 ng | 61016 | Chrysene-d12 | 21.632 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butyl hexadecyl ether | 298 | C20H42O | 1010406-40-5 | 68 |
| 2 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 58 |
| 3 | 7-Hexadecene, (Z)- | 224 | C16H32 | 035507-09-6 | 55 |
| 4 | Oxalic acid, allyl hexadecyl ester | 354 | C21H38O4 | 1000309-24-4 | 53 |
| 5 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

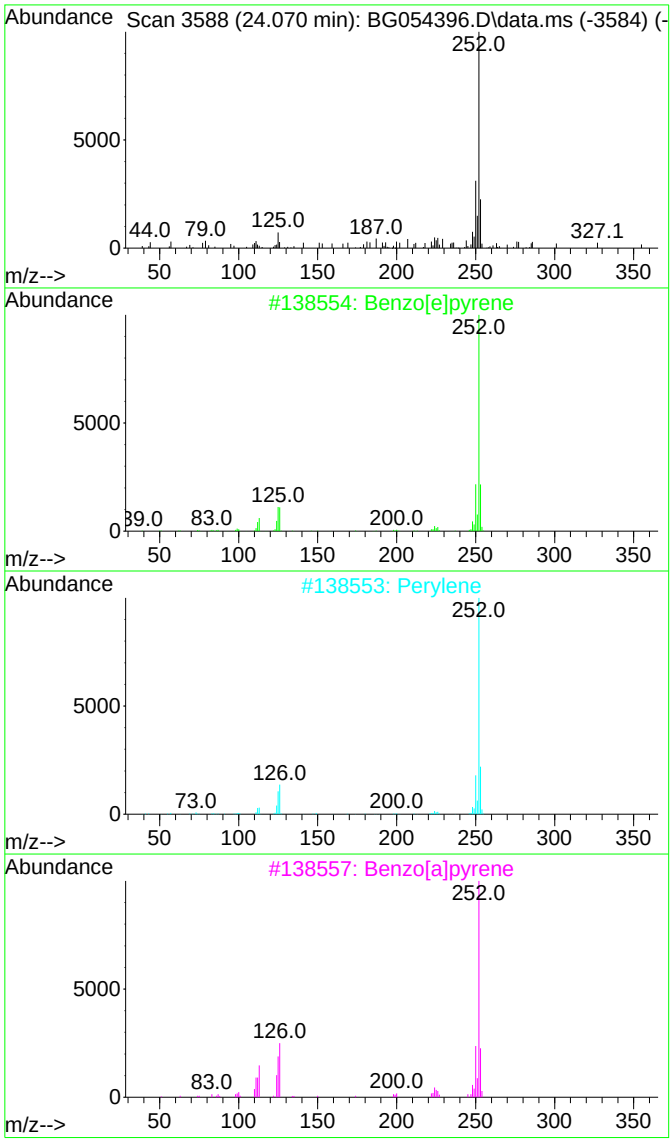
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

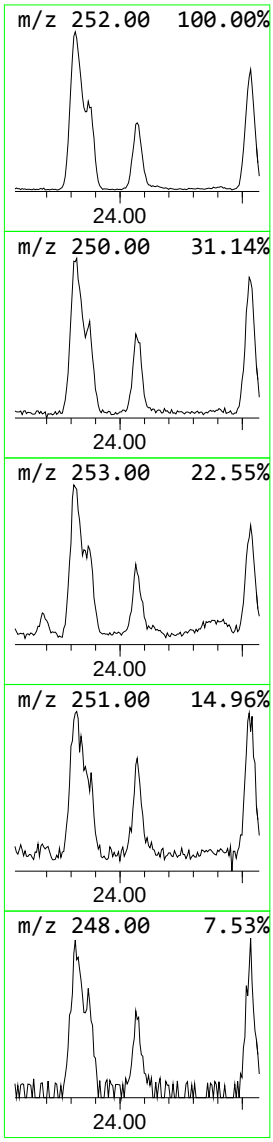
**********

Peak Number 17 Benzo[e]pyrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.070 | 4.01 ng | 71590 | Perylene-d12 | 24.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 76 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 68 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 68 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 68 |



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Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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

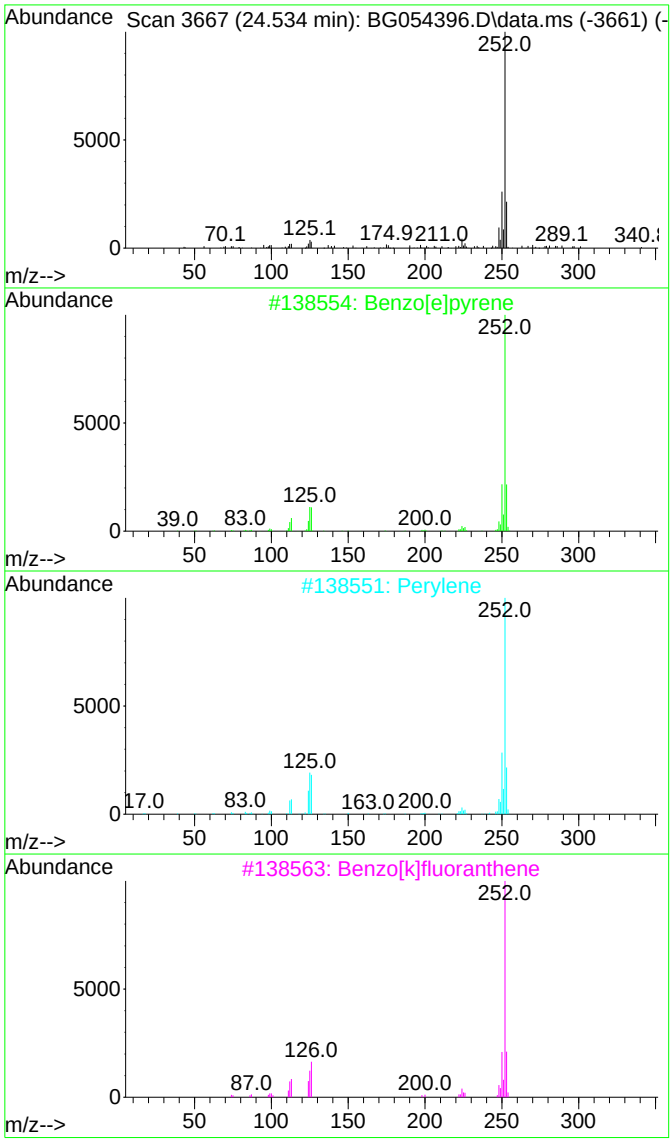
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

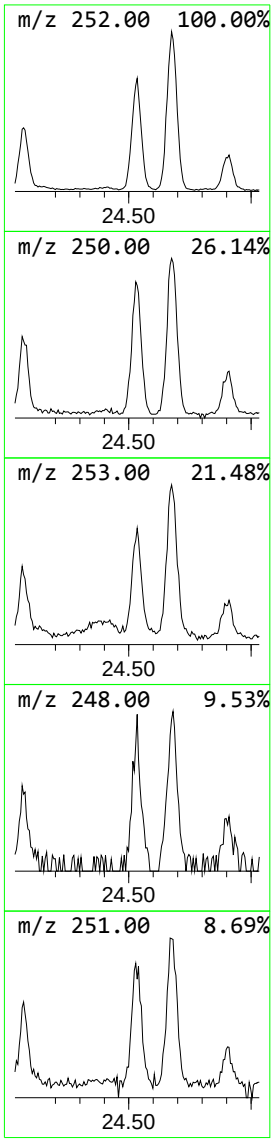
**********

Peak Number 18 Perylene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.534 | 8.49 ng | 151403 | Perylene-d12 | 24.828 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 76 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 76 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 68 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 68 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054396.D
Acq On : 26 Jul 2022 13:28
Operator : CG/JU
Sample : N3888-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S-2ND-TP

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 |
| Butane, 2-metho... | 3.112 | 33.4 | ng | 144666 | 1 | 7.989 | 86604 | 20.0 |
| 2-Pentanone, 4-... | 5.069 | 3.3 | ng | 14234 | 1 | 7.989 | 86604 | 20.0 |
| Benzene, 1,3-di... | 5.991 | 3.1 | ng | 13479 | 1 | 7.989 | 86604 | 20.0 |
| Benzene, 1-ethy... | 7.636 | 4.1 | ng | 17834 | 1 | 7.989 | 86604 | 20.0 |
| Naphthalene, 1,... | 13.794 | 2.5 | ng | 26555 | 3 | 14.622 | 214101 | 20.0 |
| Naphthalene, 2,... | 13.946 | 2.5 | ng | 27196 | 3 | 14.622 | 214101 | 20.0 |
| 3-Trifluorometh... | 15.662 | 2.5 | ng | 27080 | 3 | 14.622 | 214101 | 20.0 |
| Phenanthrene, 1... | 18.253 | 4.3 | ng | 63055 | 4 | 17.366 | 295412 | 20.0 |
| Anthracene, 1-m... | 18.294 | 3.0 | ng | 44033 | 4 | 17.366 | 295412 | 20.0 |
| 3-Bromo-2-thiop... | 18.435 | 4.4 | ng | 65344 | 4 | 17.366 | 295412 | 20.0 |
| di-p-Tolylacety... | 19.158 | 2.2 | ng | 32315 | 4 | 17.366 | 295412 | 20.0 |
| Cyclopenta(def)... | 19.305 | 2.3 | ng | 33429 | 4 | 17.366 | 295412 | 20.0 |
| 11H-Benzo[a]flu... | 20.274 | 2.9 | ng | 78205 | 5 | 21.632 | 536269 | 20.0 |
| Butyl hexadecyl... | 21.267 | 2.3 | ng | 61016 | 5 | 21.632 | 536269 | 20.0 |
| Benzo[e]pyrene | 24.070 | 4.0 | ng | 71590 | 6 | 24.828 | 356793 | 20.0 |
| Perylene | 24.534 | 8.5 | ng | 151403 | 6 | 24.828 | 356793 | 20.0 |