LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** KTS2-MH-01-0-20

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-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054829.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.776 | 77 | 83 | 93 | rBV | 15935 | 27189 | 1.27% | 0.125% |
| 2 | 5.209 | 322 | 327 | 338 | rBV | 49864 | 86832 | 4.07% | 0.399% |
| 3 | 5.691 | 401 | 409 | 417 | rBV | 743369 | 1217125 | 57.03% | 5.587% |
| 4 | 7.301 | 674 | 683 | 701 | rBV | 749609 | 1319402 | 61.82% | 6.057% |
| 5 | 8.147 | 820 | 827 | 833 | rBV | 168493 | 285476 | 13.38% | 1.311% |
| 6 | 9.322 | 1019 | 1027 | 1038 | rBV | 442105 | 823785 | 38.60% | 3.782% |
| 7 | 10.973 | 1301 | 1308 | 1314 | rBV | 240639 | 442359 | 20.73% | 2.031% |
| 8 | 11.020 | 1314 | 1316 | 1323 | rVB2 | 36202 | 57298 | 2.68% | 0.263% |
| 9 | 12.618 | 1583 | 1588 | 1595 | rVB | 36694 | 60592 | 2.84% | 0.278% |
| 10 | 12.836 | 1618 | 1625 | 1633 | rVB | 32096 | 56968 | 2.67% | 0.262% |
| 11 | 13.406 | 1713 | 1722 | 1729 | rBV | 1174465 | 1836231 | 86.04% | 8.430% |
| 12 | 13.964 | 1807 | 1817 | 1825 | rVB5 | 22803 | 69856 | 3.27% | 0.321% |
| 13 | 14.099 | 1834 | 1840 | 1846 | rBV | 113426 | 187144 | 8.77% | 0.859% |
| 14 | 14.152 | 1846 | 1849 | 1854 | rVV | 24213 | 38313 | 1.80% | 0.176% |
| 15 | 14.222 | 1854 | 1861 | 1867 | rVB | 50840 | 103499 | 4.85% | 0.475% |
| 16 | 14.340 | 1876 | 1881 | 1884 | rBV | 17574 | 25329 | 1.19% | 0.116% |
| 17 | 14.510 | 1904 | 1910 | 1913 | rBV4 | 31047 | 59252 | 2.78% | 0.272% |
| 18 | 14.546 | 1913 | 1916 | 1922 | rVB3 | 46706 | 74339 | 3.48% | 0.341% |
| 19 | 14.781 | 1950 | 1956 | 1963 | rVV | 372952 | 626881 | 29.37% | 2.878% |
| 20 | 14.845 | 1963 | 1967 | 1973 | rVB | 71486 | 114837 | 5.38% | 0.527% |
| 21 | 14.980 | 1985 | 1990 | 1993 | rBV | 16723 | 30966 | 1.45% | 0.142% |
| 22 | 15.021 | 1993 | 1997 | 2006 | rVV3 | 59202 | 136470 | 6.39% | 0.626% |
| 23 | 15.174 | 2017 | 2023 | 2029 | rVB2 | 45666 | 78087 | 3.66% | 0.358% |
| 24 | 15.251 | 2030 | 2036 | 2040 | rBV4 | 20054 | 37107 | 1.74% | 0.170% |
| 25 | 15.392 | 2055 | 2060 | 2064 | rBV2 | 23727 | 40929 | 1.92% | 0.188% |
| 26 | 15.444 | 2064 | 2069 | 2073 | rVB | 13814 | 23314 | 1.09% | 0.107% |
| 27 | 15.562 | 2083 | 2089 | 2092 | rBV5 | 25704 | 51460 | 2.41% | 0.236% |
| 28 | 15.597 | 2092 | 2095 | 2100 | rVB3 | 32012 | 46758 | 2.19% | 0.215% |
| 29 | 15.756 | 2116 | 2122 | 2127 | rVB2 | 51063 | 83946 | 3.93% | 0.385% |
| 30 | 15.821 | 2127 | 2133 | 2143 | rBV2 | 62794 | 130398 | 6.11% | 0.599% |
| 31 | 15.920 | 2145 | 2150 | 2152 | rBV5 | 15040 | 24287 | 1.14% | 0.111% |
| 32 | 15.985 | 2158 | 2161 | 2165 | rVB5 | 16156 | 24416 | 1.14% | 0.112% |
| 33 | 16.114 | 2179 | 2183 | 2193 | rVB2 | 26519 | 57988 | 2.72% | 0.266% |
| 34 | 16.220 | 2193 | 2201 | 2202 | rBV6 | 12166 | 26516 | 1.24% | 0.122% |
| 35 | 16.267 | 2203 | 2209 | 2217 | rVV | 888433 | 1377118 | 64.53% | 6.322% |
| 36 | 16.467 | 2237 | 2243 | 2254 | rBV | 310023 | 501800 | 23.51% | 2.304% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** KTS2-MH-01-0-20

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-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.708 | 2279 | 2284 | 2293 | rVB2 | 45248 | 83901 | 3.93% | 0.385% |
| 38 | 16.878 | 2309 | 2313 | 2318 | rBV2 | 18274 | 33038 | 1.55% | 0.152% |
| 39 | 17.178 | 2361 | 2364 | 2369 | rVB4 | 18821 | 25925 | 1.21% | 0.119% |
| 40 | 17.254 | 2373 | 2377 | 2382 | rBV5 | 31946 | 68389 | 3.20% | 0.314% |
| 41 | 17.348 | 2389 | 2393 | 2399 | rVB | 36508 | 60827 | 2.85% | 0.279% |
| 42 | 17.530 | 2418 | 2424 | 2427 | rBV | 421551 | 652659 | 30.58% | 2.996% |
| 43 | 17.571 | 2427 | 2431 | 2438 | rVB | 368747 | 549326 | 25.74% | 2.522% |
| 44 | 17.660 | 2442 | 2446 | 2451 | rVV | 88704 | 121868 | 5.71% | 0.559% |
| 45 | 17.930 | 2489 | 2492 | 2498 | rVB3 | 24001 | 37411 | 1.75% | 0.172% |
| 46 | 18.041 | 2508 | 2511 | 2515 | rBV | 25234 | 32743 | 1.53% | 0.150% |
| 47 | 18.400 | 2568 | 2572 | 2576 | rBV | 92200 | 139195 | 6.52% | 0.639% |
| 48 | 18.453 | 2576 | 2581 | 2586 | rVB | 121789 | 193644 | 9.07% | 0.889% |
| 49 | 18.529 | 2591 | 2594 | 2599 | rVB | 49253 | 69783 | 3.27% | 0.320% |
| 50 | 18.600 | 2600 | 2606 | 2610 | rBV2 | 163342 | 326989 | 15.32% | 1.501% |
| 51 | 18.893 | 2653 | 2656 | 2660 | rVB | 63688 | 78360 | 3.67% | 0.360% |
| 52 | 19.311 | 2723 | 2727 | 2732 | rBV | 109879 | 171272 | 8.03% | 0.786% |
| 53 | 19.575 | 2767 | 2772 | 2777 | rBV | 687952 | 998057 | 46.76% | 4.582% |
| 54 | 19.622 | 2777 | 2780 | 2785 | rVB2 | 58164 | 88018 | 4.12% | 0.404% |
| 55 | 19.939 | 2830 | 2834 | 2841 | rVB | 804978 | 1164677 | 54.57% | 5.347% |
| 56 | 20.127 | 2861 | 2866 | 2871 | rBV | 1637045 | 2134220 | 100.00% | 9.797% |
| 57 | 20.339 | 2899 | 2902 | 2906 | rBV | 87180 | 111148 | 5.21% | 0.510% |
| 58 | 20.527 | 2930 | 2934 | 2938 | rBV | 115311 | 152355 | 7.14% | 0.699% |
| 59 | 20.727 | 2964 | 2968 | 2971 | rBV2 | 100778 | 135692 | 6.36% | 0.623% |
| 60 | 20.768 | 2972 | 2975 | 2978 | rBV | 97266 | 113166 | 5.30% | 0.520% |
| 61 | 21.426 | 3084 | 3087 | 3093 | rVB2 | 242487 | 343147 | 16.08% | 1.575% |
| 62 | 21.819 | 3146 | 3154 | 3159 | rBV3 | 485840 | 1299223 | 60.88% | 5.964% |
| 63 | 21.872 | 3159 | 3163 | 3173 | rVB | 315717 | 562106 | 26.34% | 2.580% |
| 64 | 22.654 | 3293 | 3296 | 3307 | rVB3 | 132099 | 273918 | 12.83% | 1.257% |
| 65 | 24.117 | 3539 | 3545 | 3553 | rBV | 154664 | 493764 | 23.14% | 2.267% |
| 66 | 25.039 | 3695 | 3702 | 3713 | rVB | 173797 | 523354 | 24.52% | 2.403% |
| 67 | 25.198 | 3723 | 3729 | 3737 | rVB2 | 216559 | 560920 | 26.28% | 2.575% |

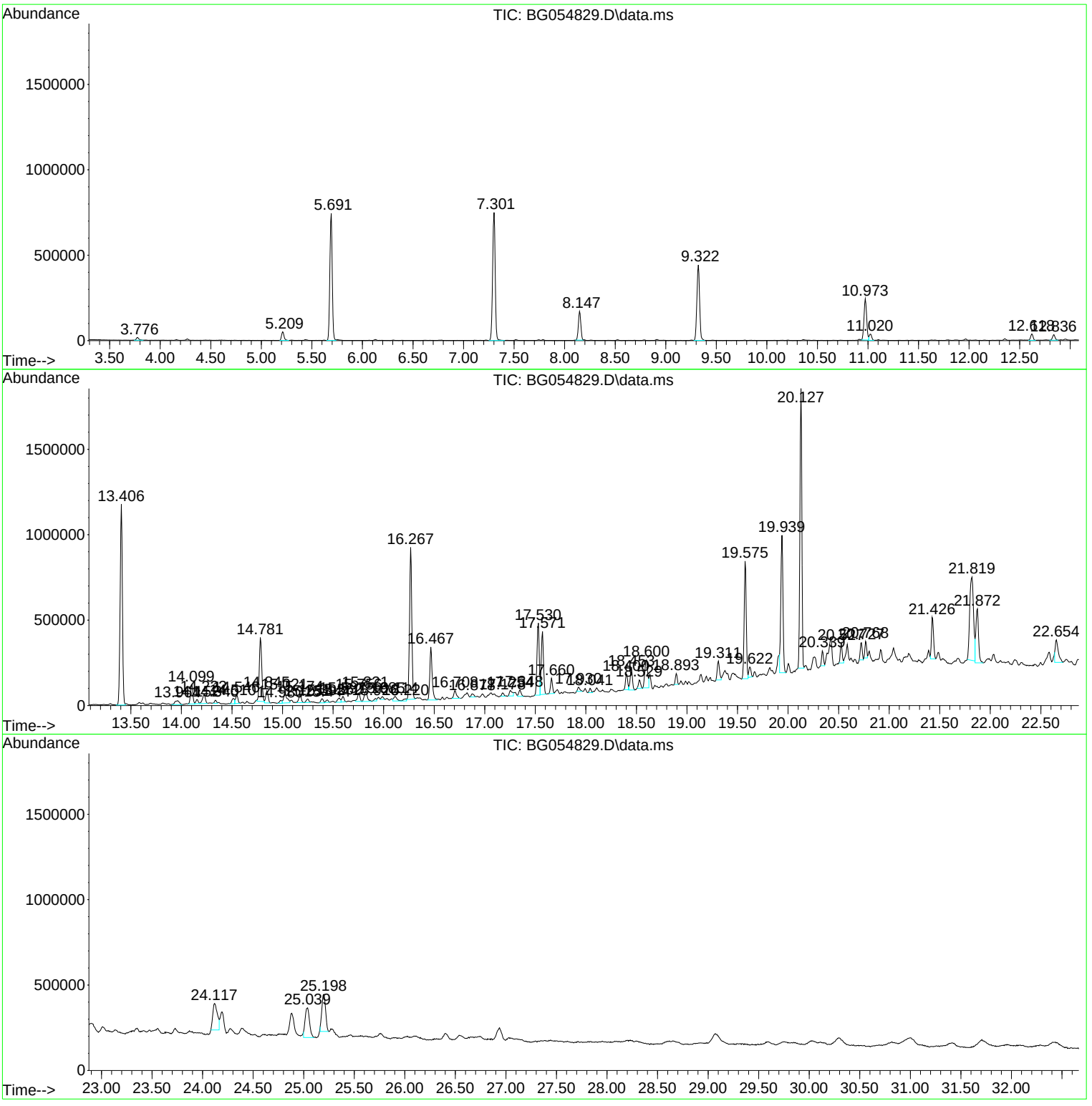
Sum of corrected areas: 21783362

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

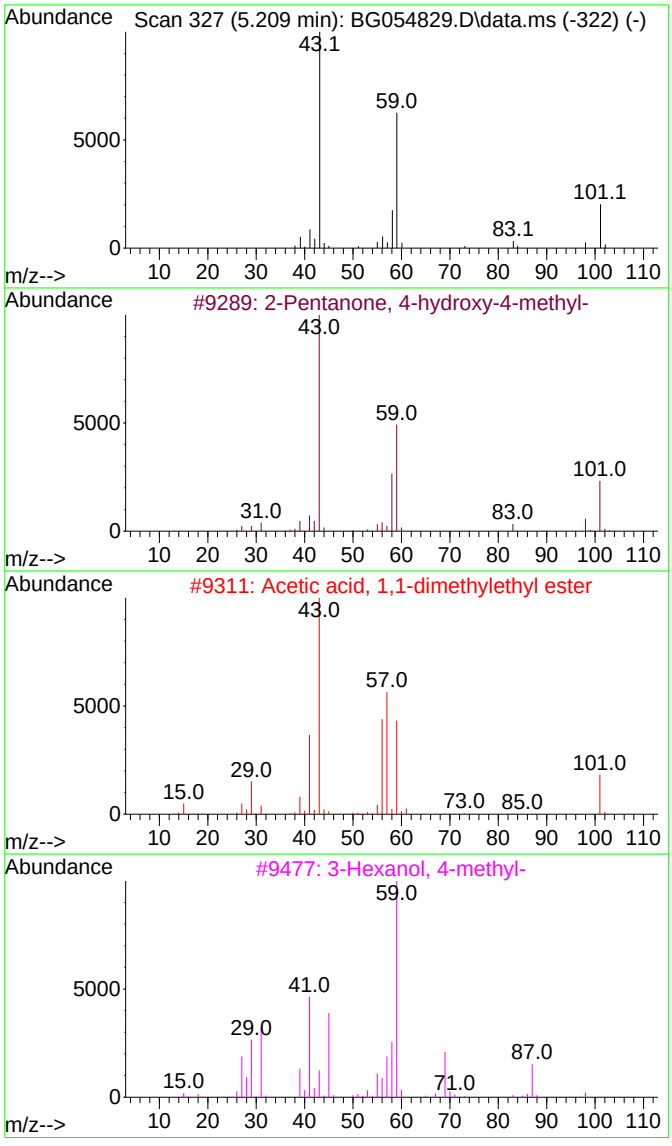
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

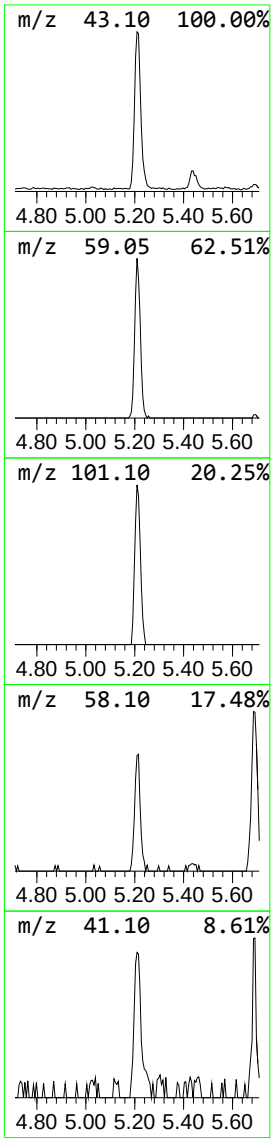
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.209 | 6.08 ng | 86832 | 1,4-Dichlorobenzene-d4 | 8.147 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 28 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 25 |
| 5 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

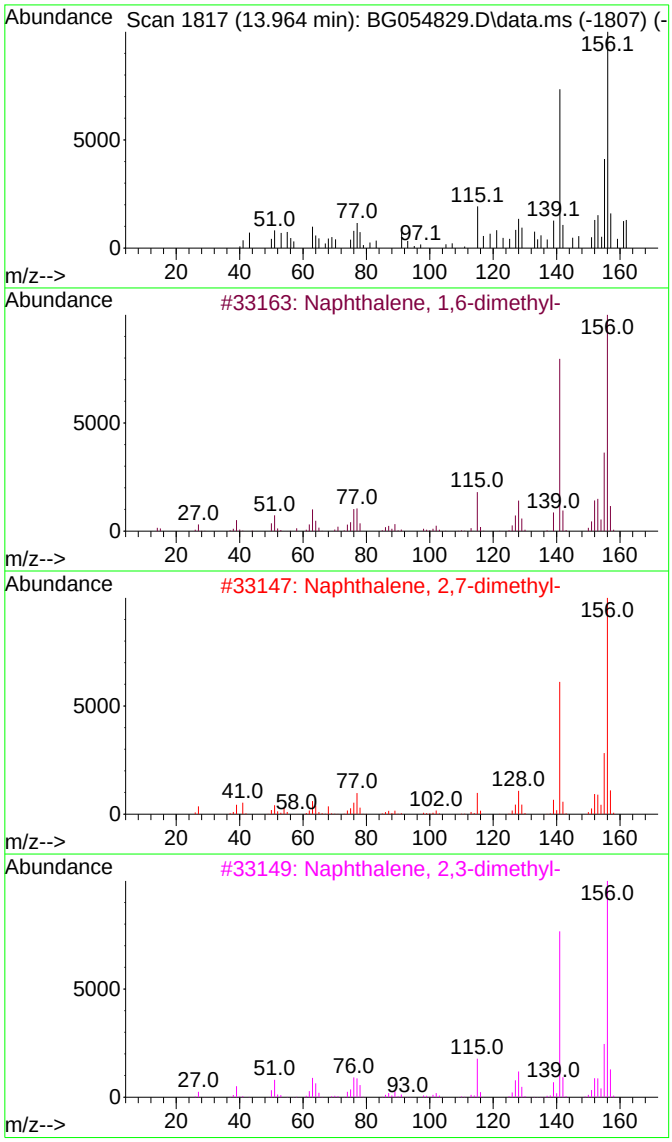
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

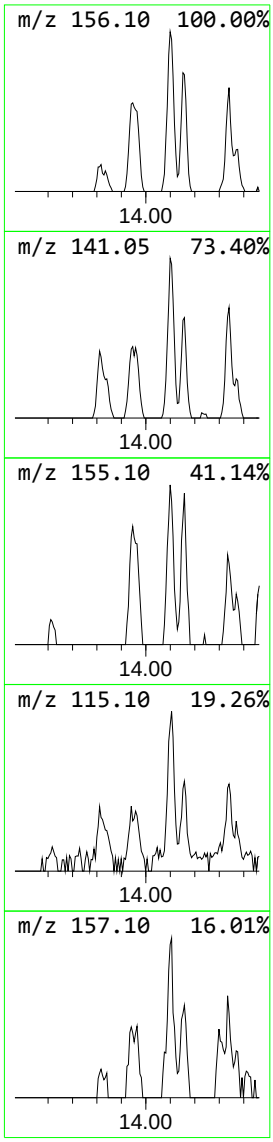
**********

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.964 | 2.23 ng | 69856 | Acenaphthene-d10 | 14.781 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

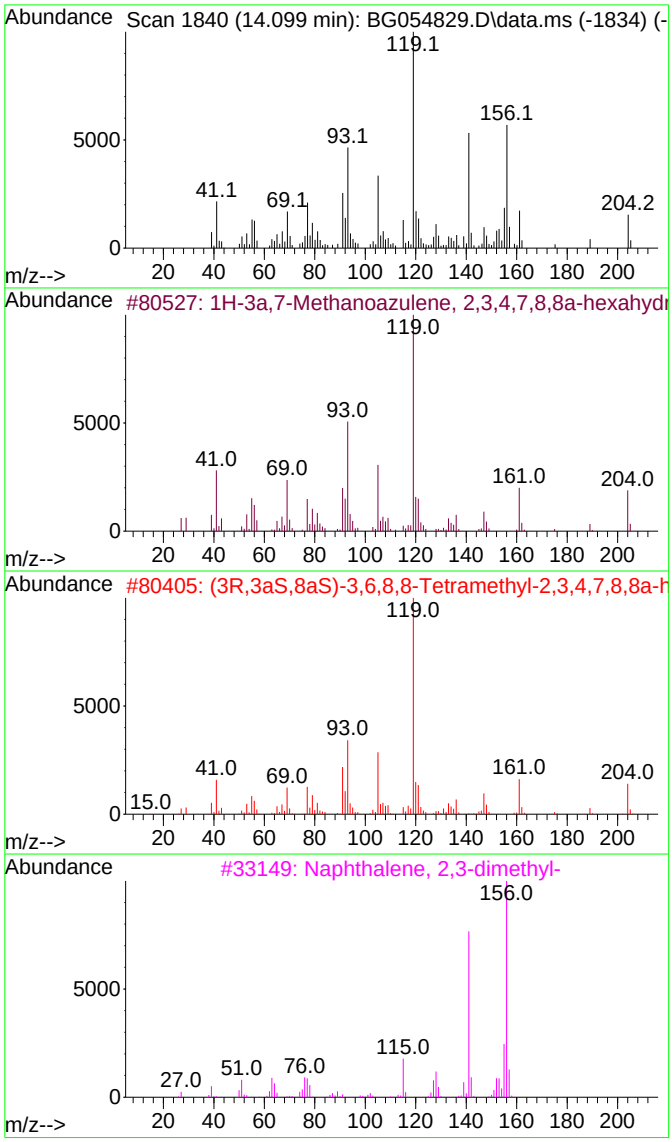
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

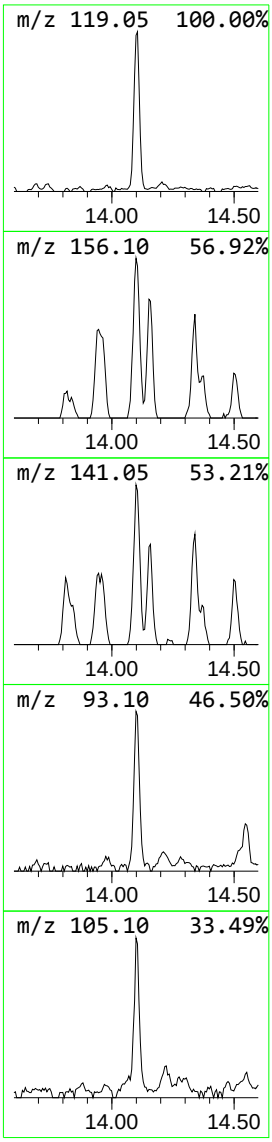
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 1H-3a,7-Methanoazulene, 2,3... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.099 | 5.97 ng | 187144 | Acenaphthene-d10 | 14.781 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-3a,7-Methanoazulene, 2,3,4,7,... | 204 | C15H24 | 000469-61-4 | 97 |
| 2 | (3R,3aS,8aS)-3,6,8,8-Tetramethyl... | 204 | C15H24 | 022567-43-7 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 93 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

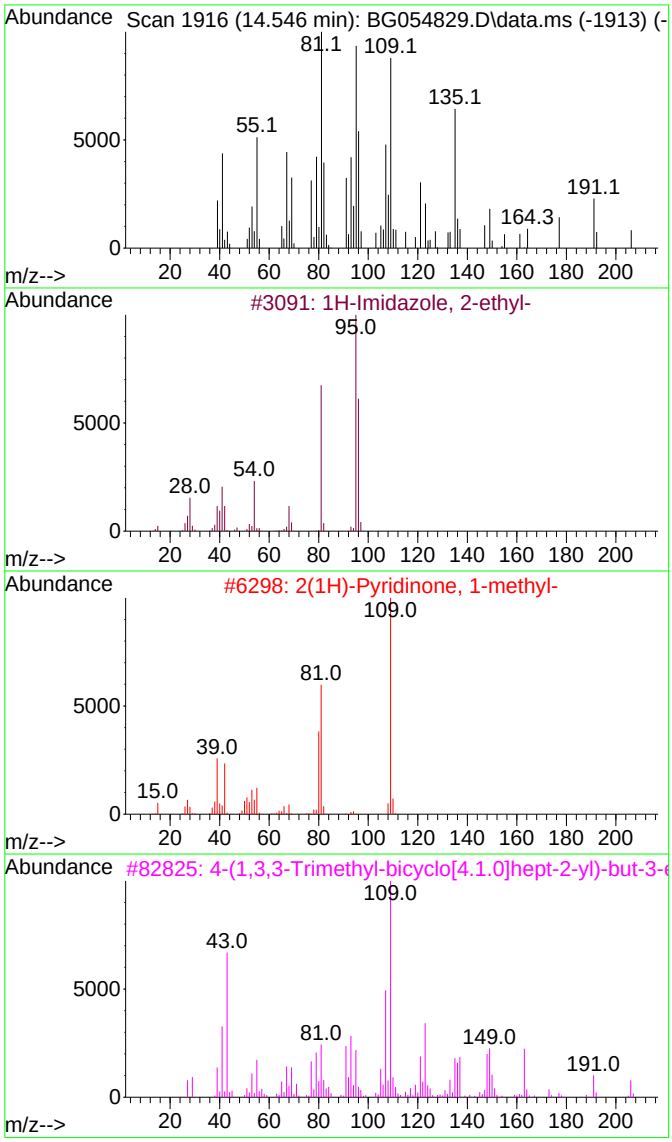
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

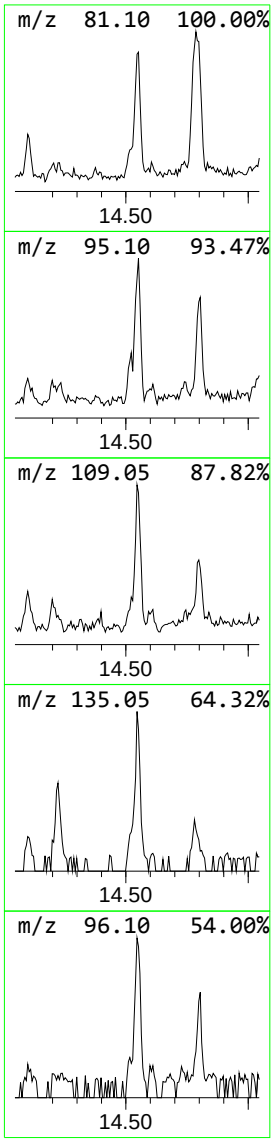
**********

Peak Number 4 unknown14.546 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.546 | 2.37 ng | 74339 | Acenaphthene-d10 | 14.781 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Imidazole, 2-ethyl- | 96 | C5H8N2 | 001072-62-4 | 35 |
| 2 | 2(1H)-Pyridinone, 1-methyl- | 109 | C6H7NO | 000694-85-9 | 25 |
| 3 | 4-(1,3,3-Trimethyl-bicyclo[4.1.0... | 206 | C14H22O | 077143-31-8 | 18 |
| 4 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 14 |
| 5 | 1,4-Hexadiene, 5-methyl- | 96 | C7H12 | 000763-88-2 | 11 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

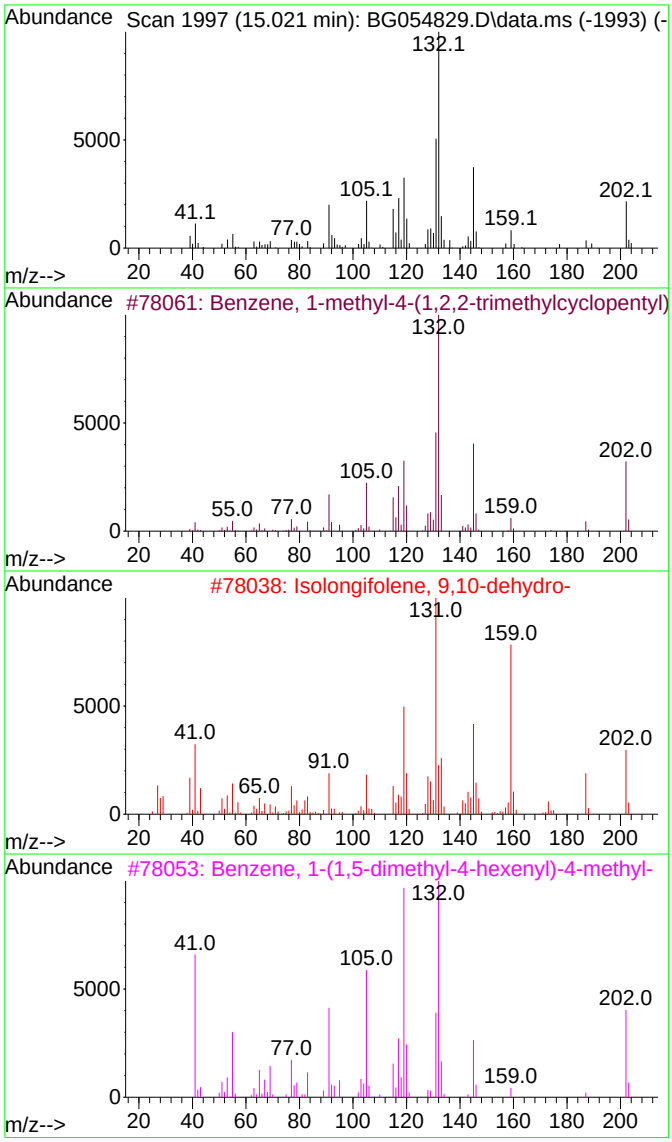
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

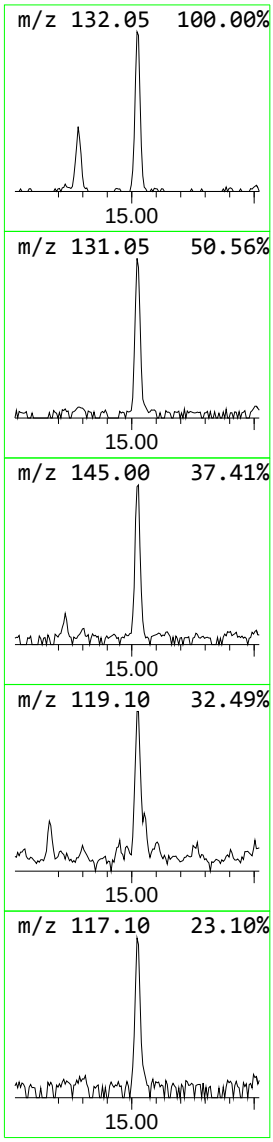
**********

Peak Number 5 Benzene, 1-methyl-4-(1,2,2-... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.022 | 4.35 ng | 136470 | Acenaphthene-d10 | 14.781 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1,2,2-trime... | 202 | C15H22 | 016982-00-6 | 98 |
| 2 | Isolongifolene, 9,10-dehydro- | 202 | C15H22 | 1000151-67-1 | 55 |
| 3 | Benzene, 1-(1,5-dimethyl-4-hexen... | 202 | C15H22 | 000644-30-4 | 53 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 46 |
| 5 | Benzene, 1-(1-buten-3-yl)-4-pentyl- | 202 | C15H22 | 1000161-70-6 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

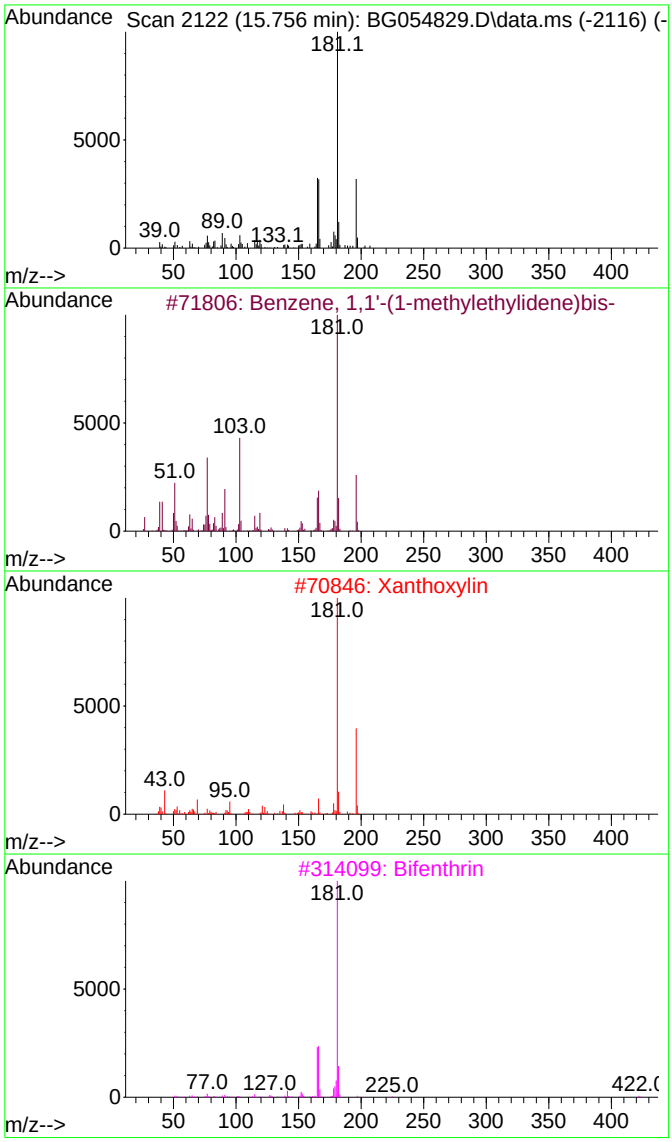
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

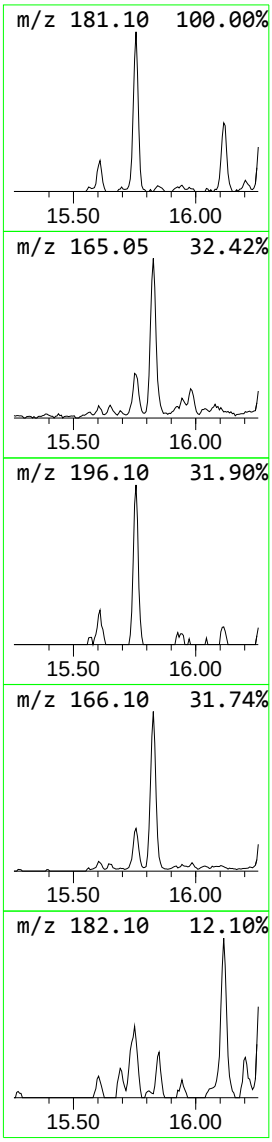
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1,1'-(1-methylethy... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.756 | 2.68 ng | 83946 | Acenaphthene-d10 | 14.781 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,1'-(1-methylethyliden... | 196 | C15H16 | 000778-22-3 | 80 |
| 2 | Xanthoxylin | 196 | C10H12O4 | 000090-24-4 | 64 |
| 3 | Bifenthrin | 422 | C23H22ClF3O2 | 082657-04-3 | 64 |
| 4 | 3'-Hydroxy-2',4'-dimethoxyacetop... | 196 | C10H12O4 | 1000433-07-3 | 58 |
| 5 | Methane, di-p-tolyl- | 196 | C15H16 | 004957-14-6 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

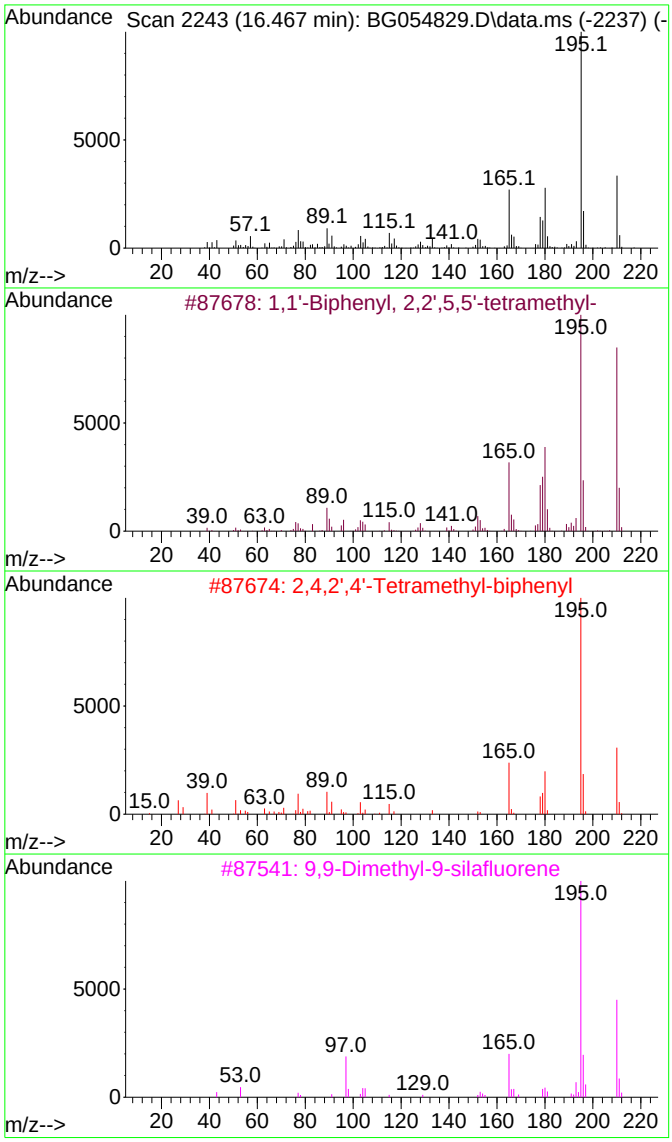
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

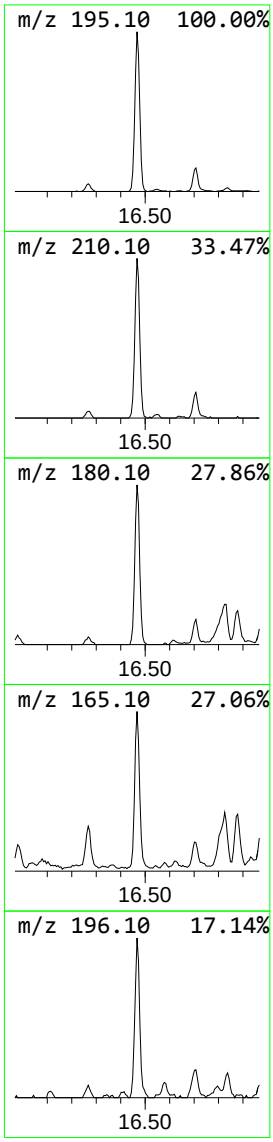
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.467 | 15.38 ng | 501800 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',5,5'-tetrame... | 210 | C16H18 | 003075-84-1 | 94 |
| 2 | 2,4,2',4'-Tetramethyl-biphenyl | 210 | C16H18 | 1000486-97-7 | 93 |
| 3 | 9,9-Dimethyl-9-silafluorene | 210 | C14H14Si | 013688-68-1 | 68 |
| 4 | Benzenamine, 3-(2-phenylethenyl)... | 195 | C14H13N | 014064-82-5 | 58 |
| 5 | 2-Hydrazinyl-6-methoxy-1,3-benzo... | 195 | C8H9N3OS | 020174-70-3 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

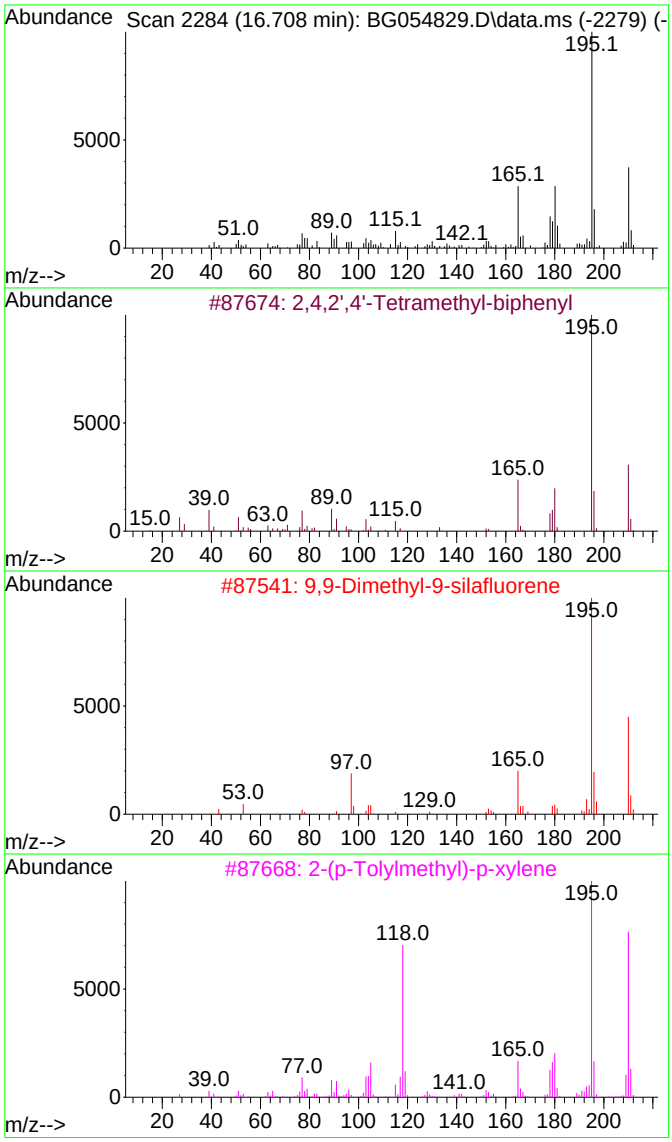
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

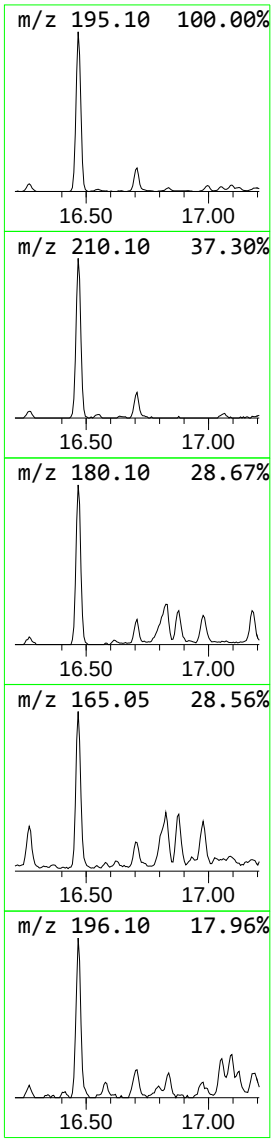
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.708 | 2.57 ng | 83901 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,2',4'-Tetramethyl-biphenyl | 210 | C16H18 | 1000486-97-7 | 86 |
| 2 | 9,9-Dimethyl-9-silafluorene | 210 | C14H14Si | 013688-68-1 | 81 |
| 3 | 2-(p-Tolylmethyl)-p-xylene | 210 | C16H18 | 000721-45-9 | 78 |
| 4 | 2-Hydrazinyl-6-methoxy-1,3-benzo... | 195 | C8H9N3OS | 020174-70-3 | 64 |
| 5 | 1,1'-Biphenyl, 2,2',5,5'-tetrame... | 210 | C16H18 | 003075-84-1 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

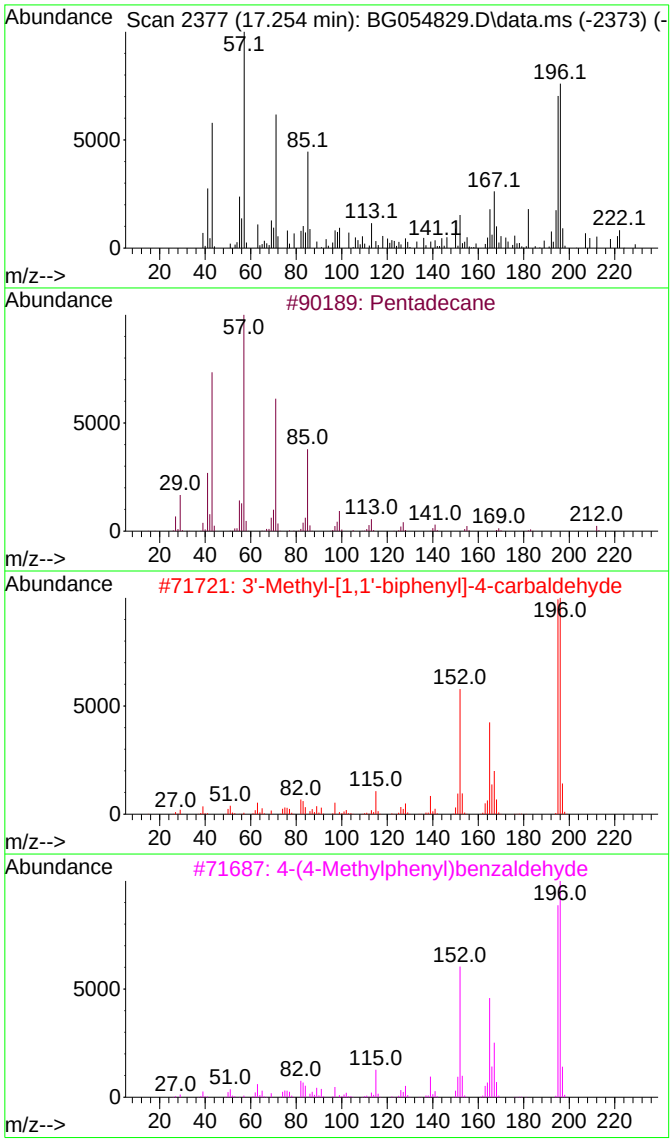
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

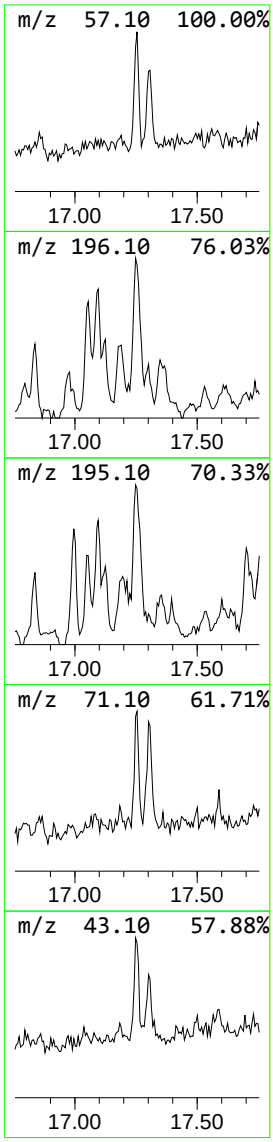
**********

Peak Number 10 Pentadecane Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.254 | 2.10 ng | 68389 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 60 |
| 2 | 3'-Methyl-[1,1'-biphenyl]-4-carb... | 196 | C14H12O | 400744-83-4 | 50 |
| 3 | 4-(4-Methylphenyl)benzaldehyde | 196 | C14H12O | 036393-42-7 | 50 |
| 4 | Benzo[b]benzofuran-2-carboxaldehyde | 196 | C13H8O2 | 1000351-56-0 | 49 |
| 5 | Naphtho[2,1-b]furan, 1,2-dimethyl- | 196 | C14H12O | 129812-23-3 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

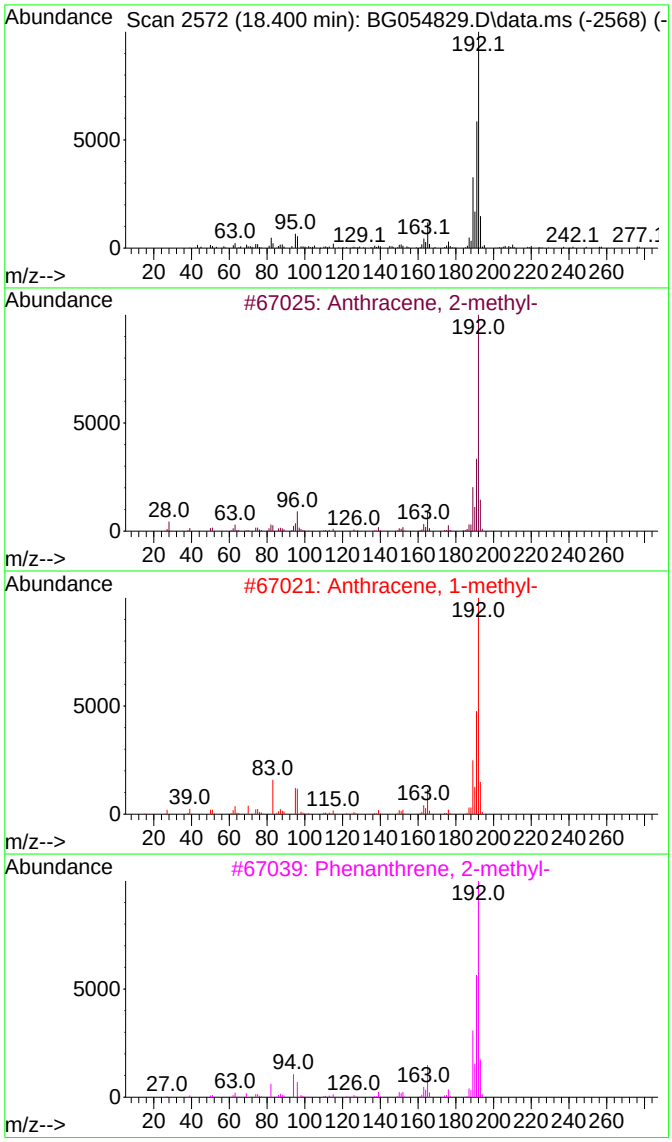
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

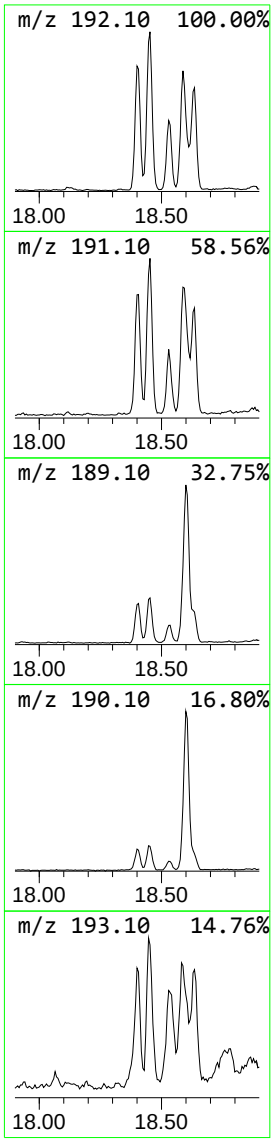
**********

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.400 | 4.27 ng | 139195 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

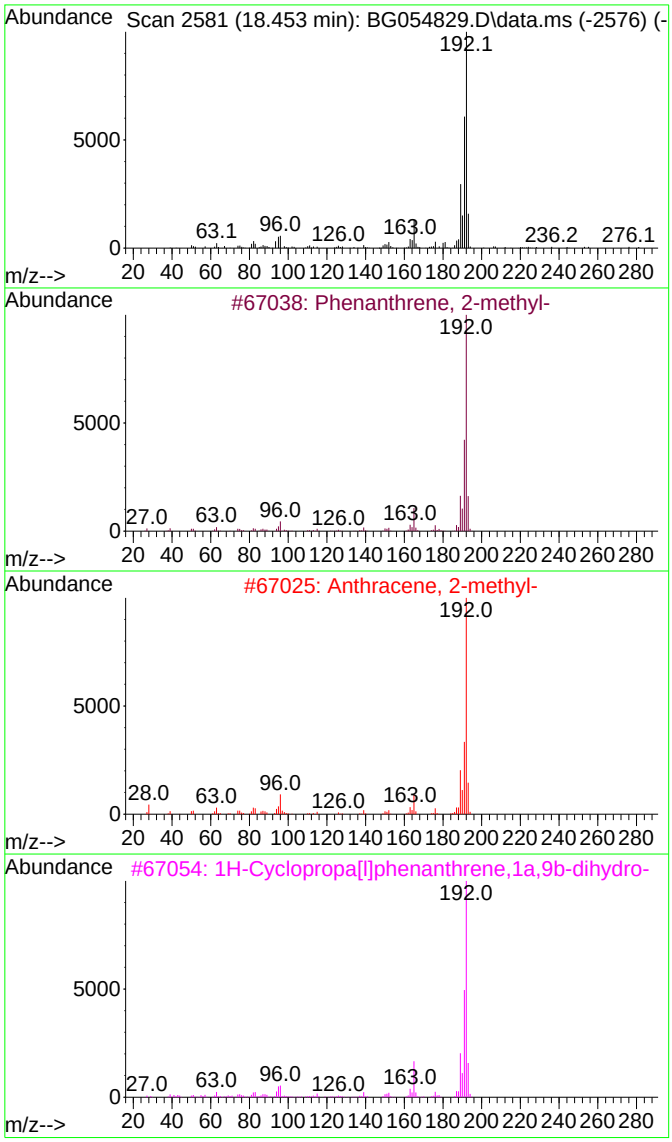
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

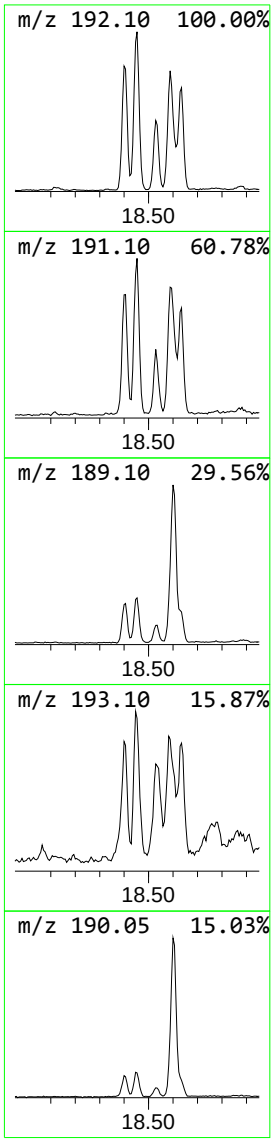
**********

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.453 | 5.93 ng | 193644 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

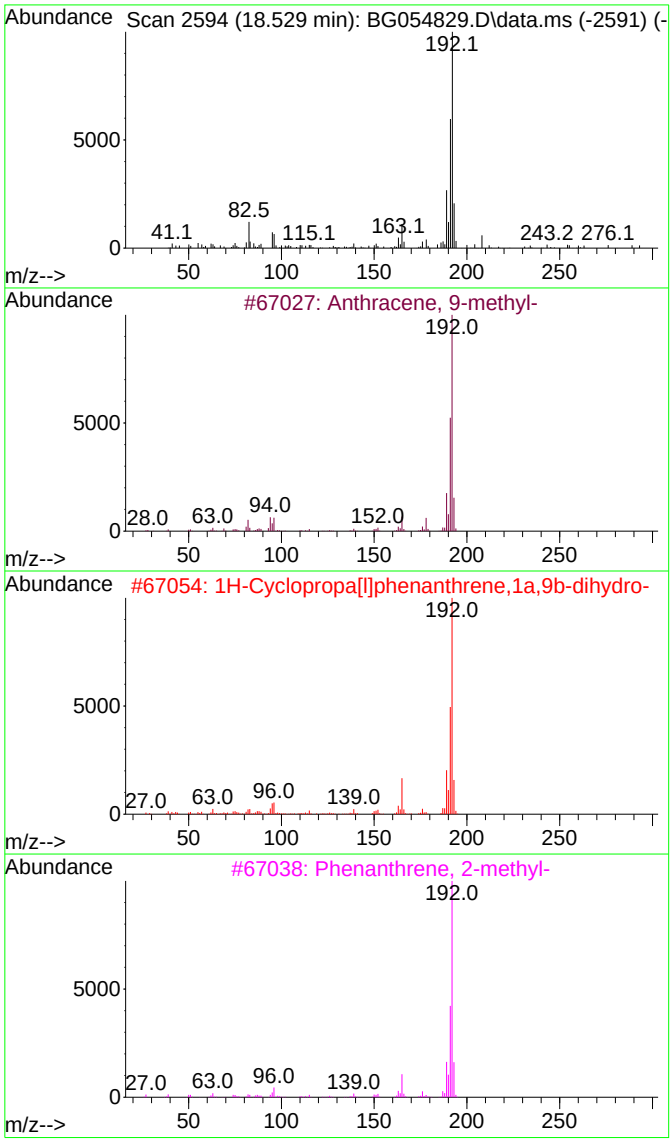
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

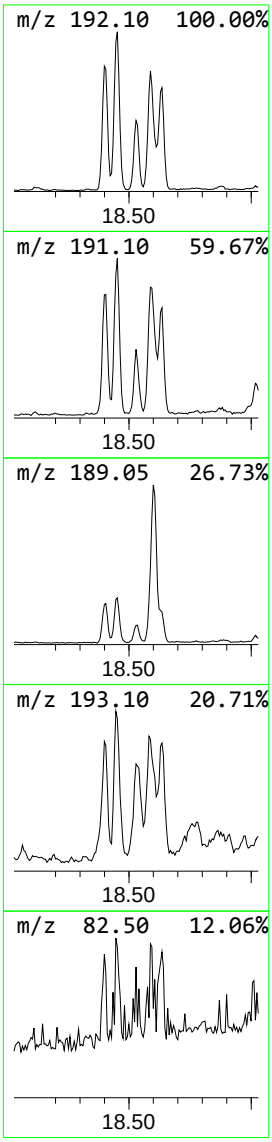
**********

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.529 | 2.14 ng | 69783 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

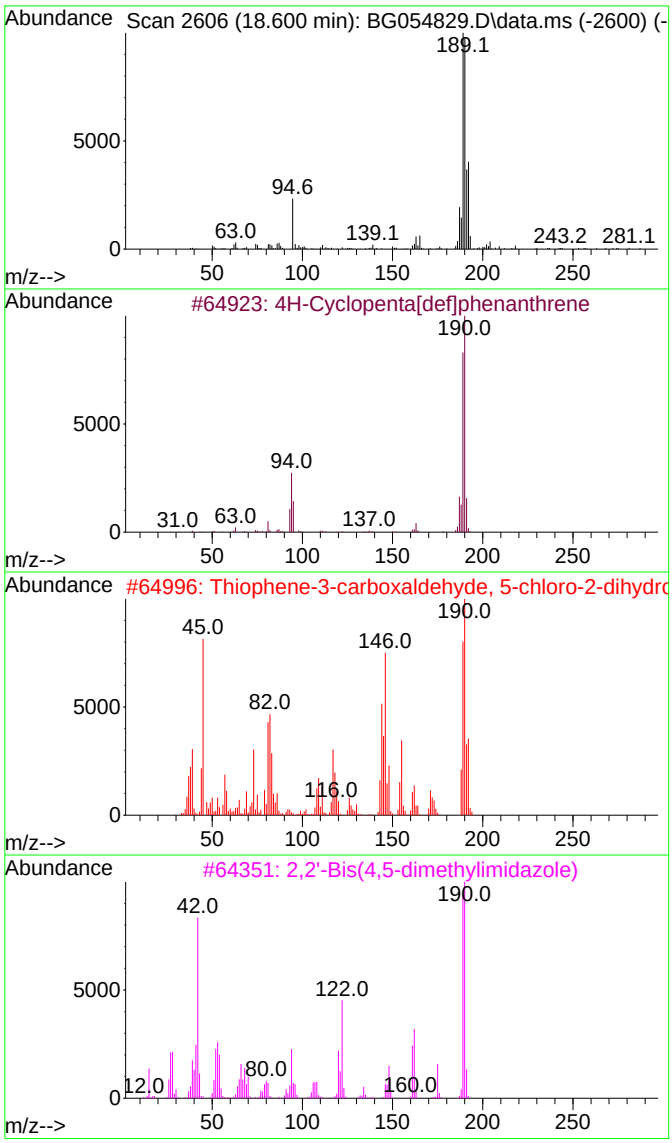
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

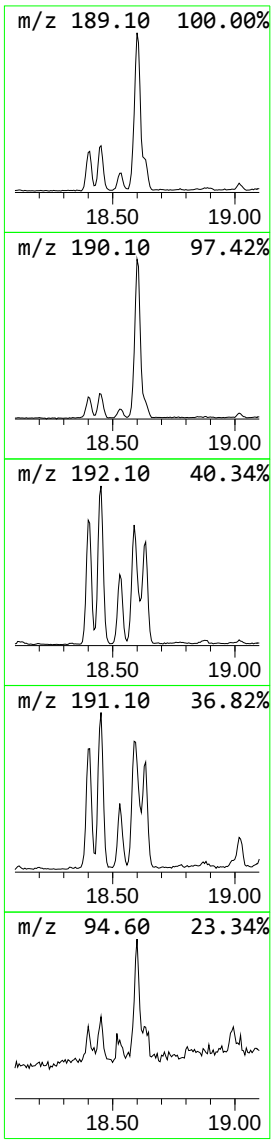
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.600 | 10.02 ng | 326989 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 40 |
| 4 | 2,4(1H,3H)-Pyrimidinedione, 5-br... | 190 | C4H3BrN2O2 | 000051-20-7 | 32 |
| 5 | 1-Aminocyclopentanecarboxylic ac... | 361 | C18H32ClNO4 | 1000329-17-0 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

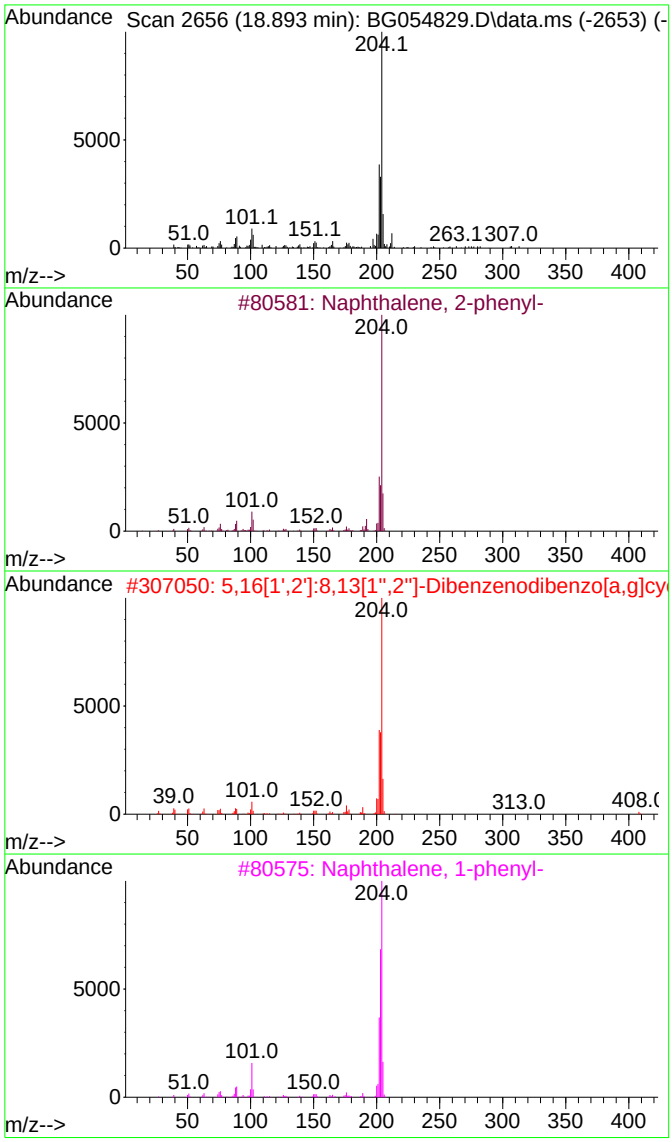
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

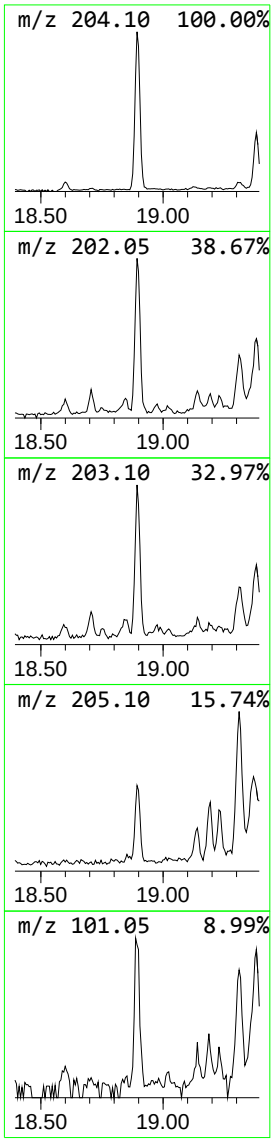
**********

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.893 | 2.40 ng | 78360 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 91 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 83 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 78 |
| 4 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 62 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

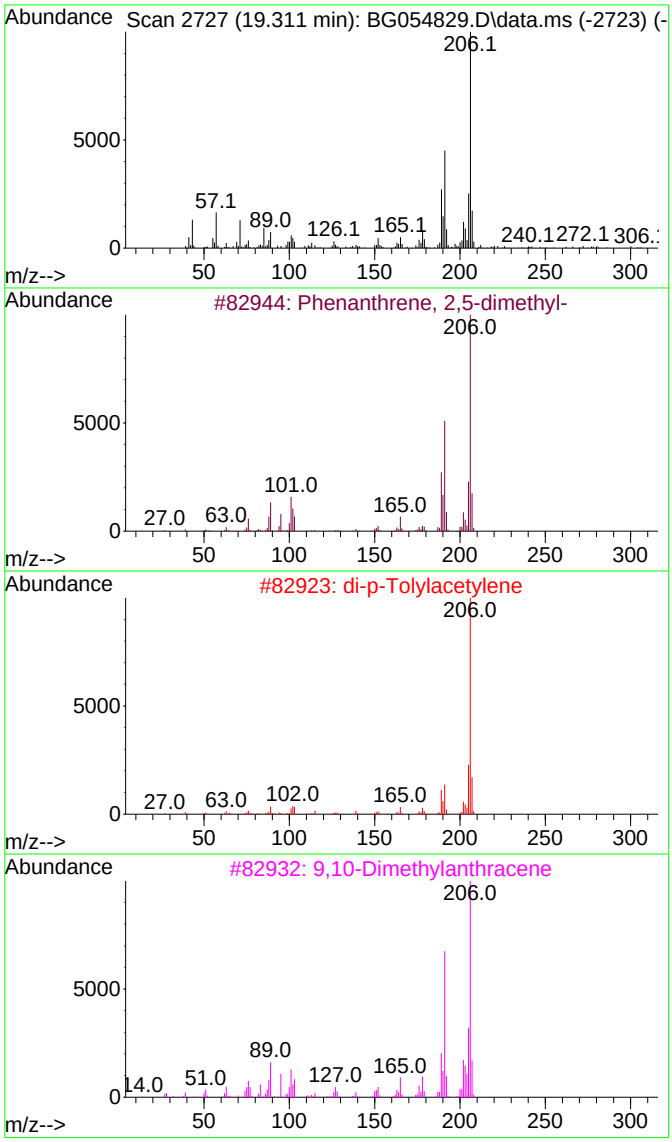
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

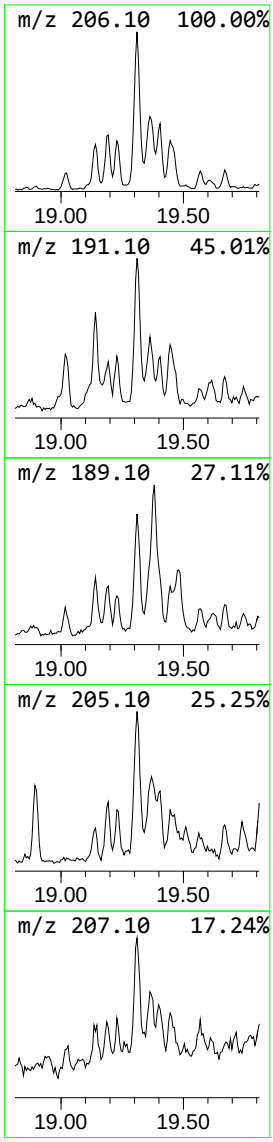
**********

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.311 | 5.25 ng | 171272 | Phenanthrene-d10 | 17.530 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |
| 4 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 90 |
| 5 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

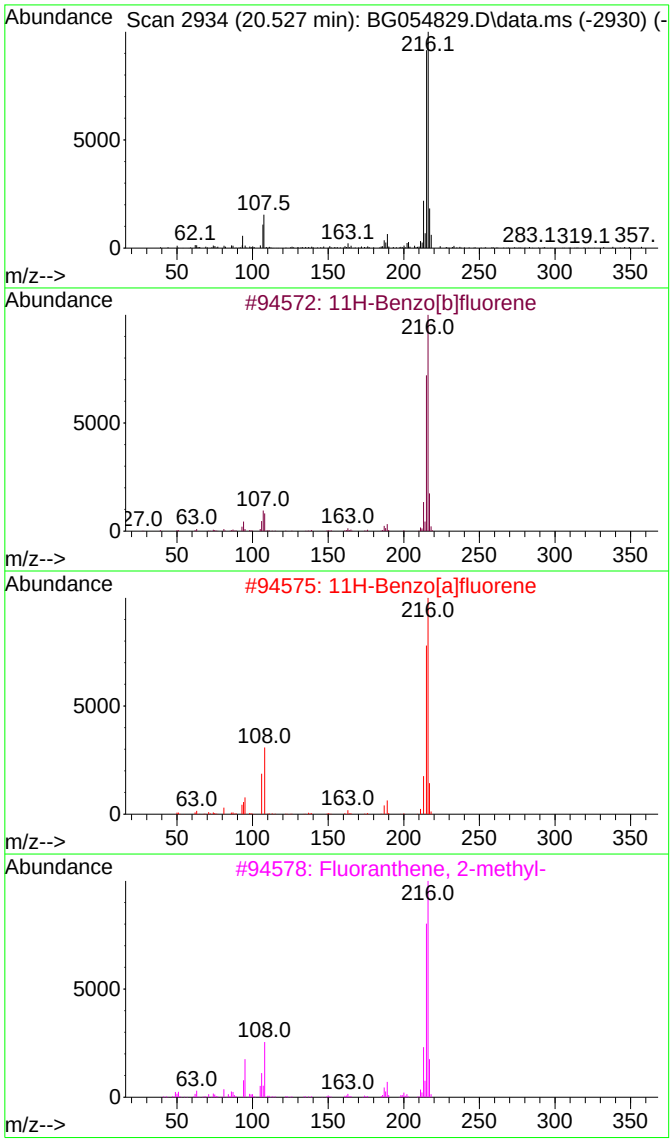
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

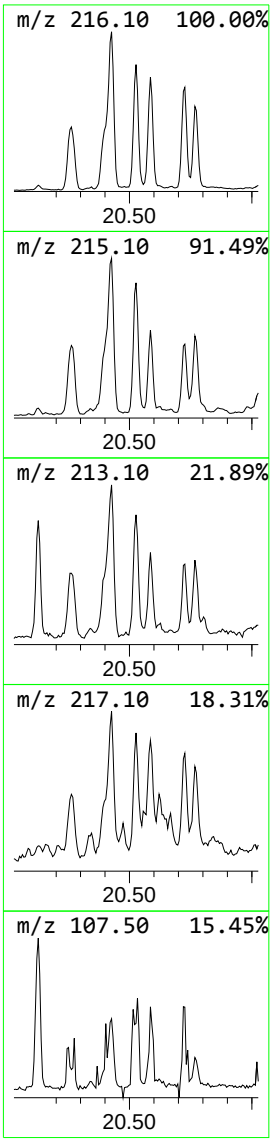
**********

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.527 | 2.35 ng | 152355 | Chrysene-d12 | 21.825 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 81 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 78 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

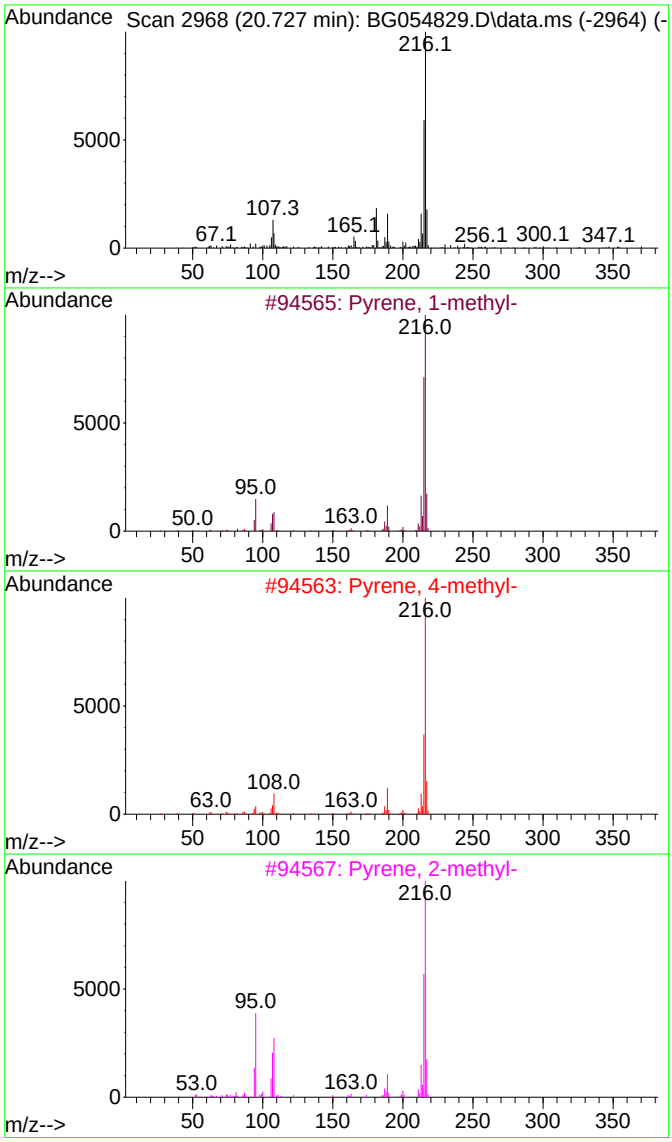
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

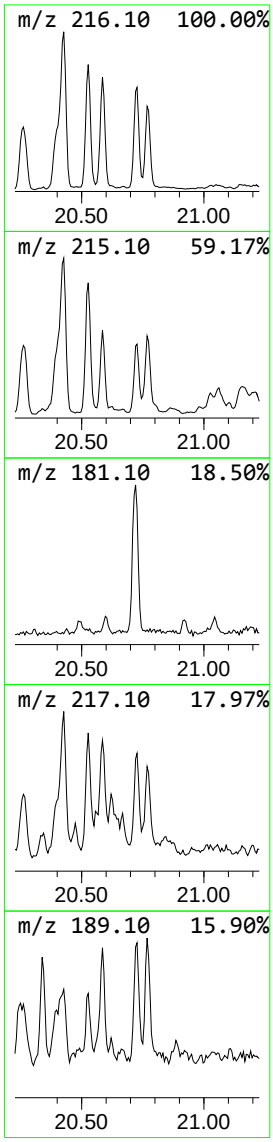
**********

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.727 | 2.09 ng | 135692 | Chrysene-d12 | 21.825 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 93 |
| 2 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 93 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

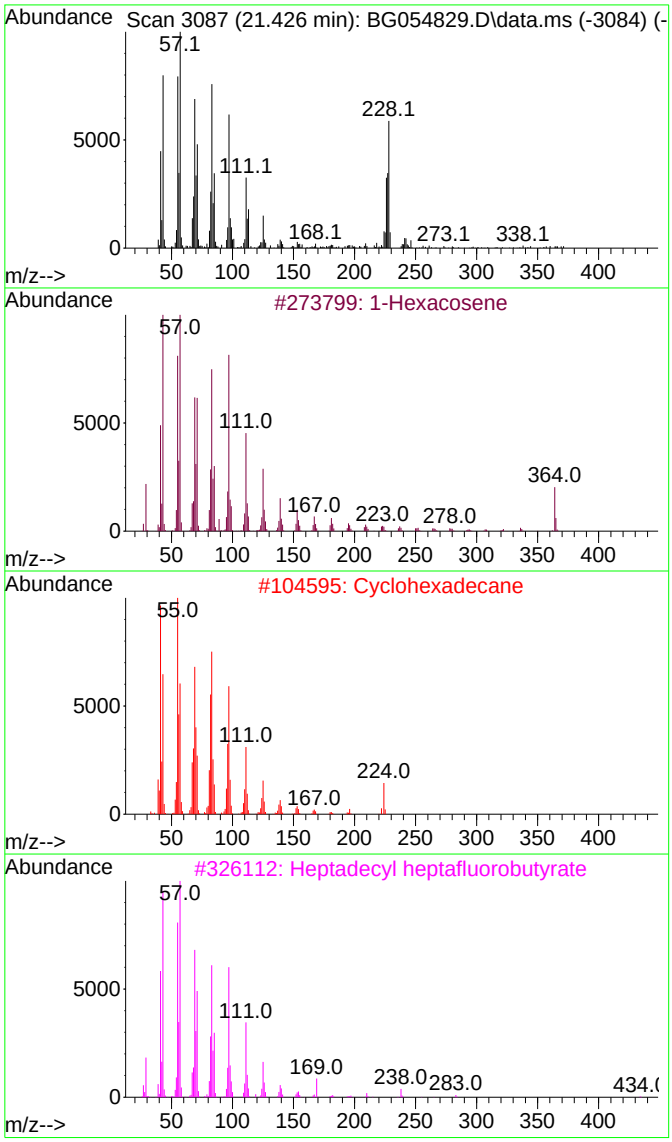
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

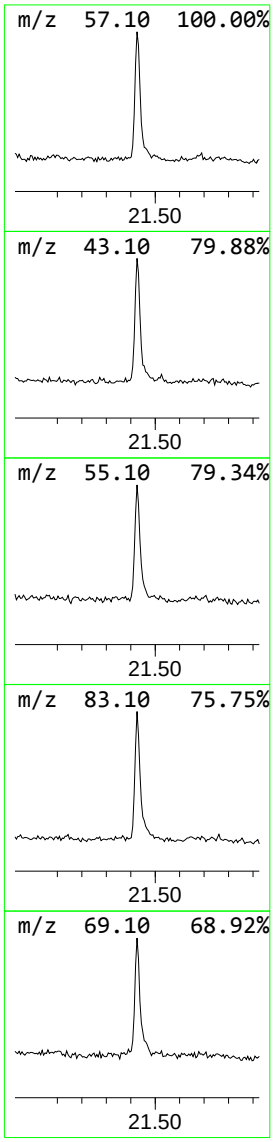
**********

Peak Number 19 1-Hexacosene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.426 | 5.28 ng | 343147 | Chrysene-d12 | 21.825 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 92 |
| 2 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 78 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 70 |
| 4 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 70 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

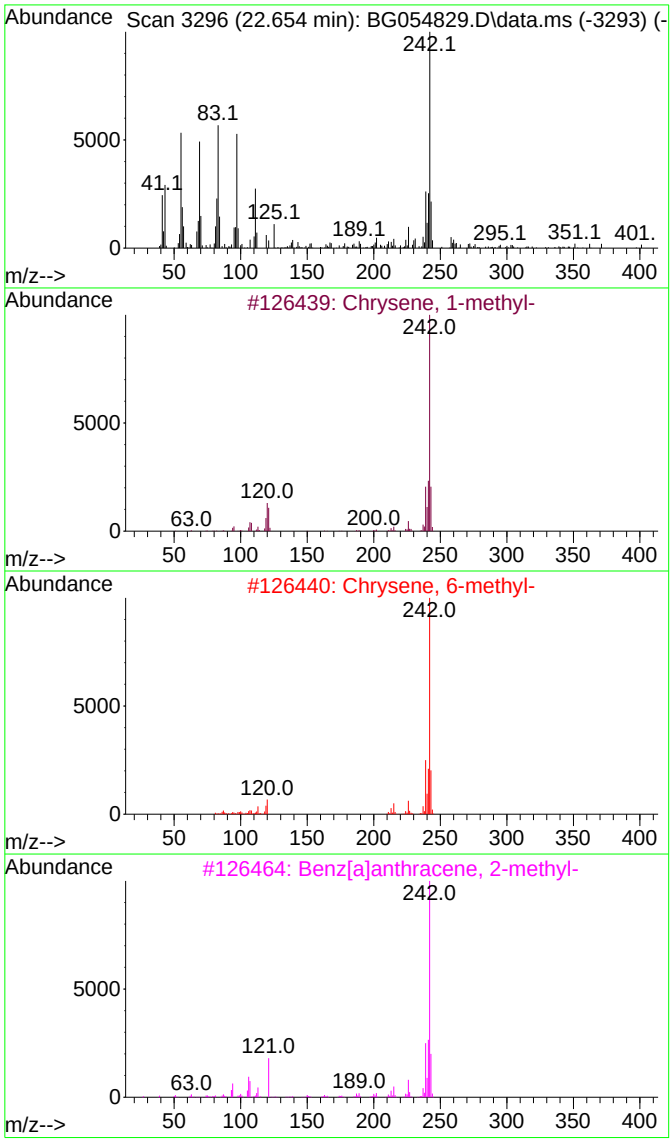
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

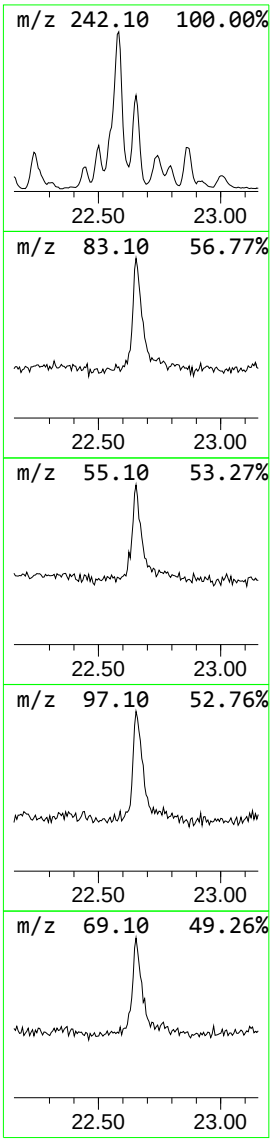
**********

Peak Number 20 Chrysene, 1-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.654 | 4.22 ng | 273918 | Chrysene-d12 | 21.825 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 60 |
| 2 | Chrysene, 6-methyl- | 242 | C19H14 | 001705-85-7 | 50 |
| 3 | Benz[a]anthracene, 2-methyl- | 242 | C19H14 | 002498-76-2 | 50 |
| 4 | 2-Methylchrysene | 242 | C19H14 | 003351-32-4 | 50 |
| 5 | Chrysene, 3-methyl- | 242 | C19H14 | 003351-31-3 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
Data File : BG054829.D
Acq On : 1 Sep 2022 19:44
Operator : CG/JU
Sample : N4439-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
KTS2-MH-01-0-20

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.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-... | 5.209 | 6.1 | ng | 86832 | 1 | 8.147 | 285476 | 20.0 |
| Naphthalene, 1,... | 13.964 | 2.2 | ng | 69856 | 3 | 14.781 | 626881 | 20.0 |
| 1H-3a,7-Methano... | 14.099 | 6.0 | ng | 187144 | 3 | 14.781 | 626881 | 20.0 |
| unknown14.546 | 14.546 | 2.4 | ng | 74339 | 3 | 14.781 | 626881 | 20.0 |
| Benzene, 1-meth... | 15.022 | 4.3 | ng | 136470 | 3 | 14.781 | 626881 | 20.0 |
| Benzene, 1,1'-(... | 15.756 | 2.7 | ng | 83946 | 3 | 14.781 | 626881 | 20.0 |
| 1,1'-Biphenyl, ... | 16.467 | 15.4 | ng | 501800 | 4 | 17.530 | 652659 | 20.0 |
| 2,4,2',4'-Tetra... | 16.708 | 2.6 | ng | 83901 | 4 | 17.530 | 652659 | 20.0 |
| Pentadecane | 17.254 | 2.1 | ng | 68389 | 4 | 17.530 | 652659 | 20.0 |
| Anthracene, 2-m... | 18.400 | 4.3 | ng | 139195 | 4 | 17.530 | 652659 | 20.0 |
| Phenanthrene, 2... | 18.453 | 5.9 | ng | 193644 | 4 | 17.530 | 652659 | 20.0 |
| Anthracene, 9-m... | 18.529 | 2.1 | ng | 69783 | 4 | 17.530 | 652659 | 20.0 |
| 4H-Cyclopenta[d... | 18.600 | 10.0 | ng | 326989 | 4 | 17.530 | 652659 | 20.0 |
| Naphthalene, 2-... | 18.893 | 2.4 | ng | 78360 | 4 | 17.530 | 652659 | 20.0 |
| Phenanthrene, 2... | 19.311 | 5.3 | ng | 171272 | 4 | 17.530 | 652659 | 20.0 |
| 11H-Benzo[b]flu... | 20.527 | 2.4 | ng | 152355 | 5 | 21.825 | 1299220 | 20.0 |
| Pyrene, 1-methyl- | 20.727 | 2.1 | ng | 135692 | 5 | 21.825 | 1299220 | 20.0 |
| 1-Hexacosene | 21.426 | 5.3 | ng | 343147 | 5 | 21.825 | 1299220 | 20.0 |
| Chrysene, 1-met... | 22.654 | 4.2 | ng | 273918 | 5 | 21.825 | 1299220 | 20.0 |