LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-29-SB02

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056019.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.400 | 14 | 19 | 25 | rBV | 44958 | 66665 | 9.60% | 1.341% |
| 2 | 3.453 | 25 | 28 | 34 | rVB3 | 4625 | 6946 | 1.00% | 0.140% |
| 3 | 5.410 | 356 | 361 | 367 | rBB | 16973 | 25122 | 3.62% | 0.505% |
| 4 | 5.885 | 436 | 442 | 449 | rBB | 122418 | 190520 | 27.43% | 3.832% |
| 5 | 6.773 | 588 | 593 | 599 | rBB | 12299 | 17984 | 2.59% | 0.362% |
| 6 | 7.495 | 709 | 716 | 723 | rBB | 123984 | 207245 | 29.84% | 4.168% |
| 7 | 8.365 | 858 | 864 | 870 | rBB | 30130 | 49842 | 7.18% | 1.002% |
| 8 | 9.540 | 1057 | 1064 | 1070 | rBV | 75602 | 133746 | 19.26% | 2.690% |
| 9 | 9.657 | 1070 | 1084 | 1088 | rVB2 | 17528 | 44098 | 6.35% | 0.887% |
| 10 | 11.203 | 1340 | 1347 | 1352 | rBV | 39016 | 70319 | 10.12% | 1.414% |
| 11 | 11.256 | 1352 | 1356 | 1361 | rVB3 | 4755 | 7538 | 1.09% | 0.152% |
| 12 | 13.606 | 1749 | 1756 | 1762 | rBB | 253832 | 393897 | 56.71% | 7.922% |
| 13 | 14.428 | 1887 | 1896 | 1901 | rBV3 | 7376 | 13282 | 1.91% | 0.267% |
| 14 | 14.699 | 1936 | 1942 | 1951 | rBV | 10656 | 20306 | 2.92% | 0.408% |
| 15 | 14.975 | 1983 | 1989 | 1995 | rVB | 77911 | 123077 | 17.72% | 2.475% |
| 16 | 15.363 | 2045 | 2055 | 2062 | rVB5 | 3860 | 8256 | 1.19% | 0.166% |
| 17 | 15.568 | 2084 | 2090 | 2096 | rBV7 | 4912 | 13893 | 2.00% | 0.279% |
| 18 | 15.833 | 2131 | 2135 | 2140 | rBV | 4609 | 8188 | 1.18% | 0.165% |
| 19 | 16.009 | 2161 | 2165 | 2175 | rBV6 | 3471 | 10239 | 1.47% | 0.206% |
| 20 | 16.309 | 2208 | 2216 | 2224 | rVB3 | 11884 | 21355 | 3.07% | 0.429% |
| 21 | 16.450 | 2234 | 2240 | 2249 | rVB | 324836 | 483042 | 69.55% | 9.714% |
| 22 | 16.673 | 2269 | 2278 | 2283 | rBV6 | 9059 | 19913 | 2.87% | 0.400% |
| 23 | 17.360 | 2391 | 2395 | 2401 | rVB5 | 4164 | 7117 | 1.02% | 0.143% |
| 24 | 17.713 | 2447 | 2455 | 2459 | rBV | 118656 | 178582 | 25.71% | 3.591% |
| 25 | 17.754 | 2459 | 2462 | 2467 | rVB | 37368 | 52379 | 7.54% | 1.053% |
| 26 | 17.848 | 2473 | 2478 | 2480 | rBV2 | 7786 | 11308 | 1.63% | 0.227% |
| 27 | 18.441 | 2573 | 2579 | 2580 | rBV5 | 4032 | 7619 | 1.10% | 0.153% |
| 28 | 18.565 | 2595 | 2600 | 2606 | rBV2 | 46331 | 81881 | 11.79% | 1.647% |
| 29 | 18.623 | 2607 | 2610 | 2616 | rVB | 18812 | 27429 | 3.95% | 0.552% |
| 30 | 18.712 | 2621 | 2625 | 2629 | rVB | 9445 | 15385 | 2.22% | 0.309% |
| 31 | 18.764 | 2629 | 2634 | 2639 | rBV3 | 24990 | 54234 | 7.81% | 1.091% |
| 32 | 18.806 | 2639 | 2641 | 2647 | rVB | 15772 | 21357 | 3.07% | 0.430% |
| 33 | 19.070 | 2681 | 2686 | 2689 | rVB2 | 12129 | 16136 | 2.32% | 0.325% |
| 34 | 19.105 | 2689 | 2692 | 2699 | rVB8 | 7961 | 12723 | 1.83% | 0.256% |
| 35 | 19.311 | 2718 | 2727 | 2730 | rBV10 | 14315 | 30180 | 4.35% | 0.607% |
| 36 | 19.358 | 2732 | 2735 | 2738 | rBV2 | 6057 | 8012 | 1.15% | 0.161% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.481 | 2752 | 2756 | 2761 | rBV2 | 28470 | 44573 | 6.42% | 0.896% |
| 38 | 19.575 | 2770 | 2772 | 2776 | rVB5 | 10056 | 12386 | 1.78% | 0.249% |
| 39 | 19.752 | 2797 | 2802 | 2805 | rBV | 77786 | 108174 | 15.57% | 2.175% |
| 40 | 19.787 | 2805 | 2808 | 2811 | rVV2 | 28149 | 34843 | 5.02% | 0.701% |
| 41 | 19.893 | 2823 | 2826 | 2830 | rBV2 | 13269 | 15852 | 2.28% | 0.319% |
| 42 | 20.104 | 2858 | 2862 | 2869 | rVB | 87441 | 124170 | 17.88% | 2.497% |
| 43 | 20.286 | 2888 | 2893 | 2898 | rVB | 539343 | 694553 | 100.00% | 13.968% |
| 44 | 20.580 | 2939 | 2943 | 2948 | rVB | 34217 | 57623 | 8.30% | 1.159% |
| 45 | 20.886 | 2993 | 2995 | 3000 | rVB | 19473 | 24096 | 3.47% | 0.485% |
| 46 | 21.608 | 3115 | 3118 | 3125 | rVB4 | 37848 | 56851 | 8.19% | 1.143% |
| 47 | 22.019 | 3180 | 3188 | 3193 | rBV3 | 139845 | 342223 | 49.27% | 6.882% |
| 48 | 22.072 | 3193 | 3197 | 3203 | rVB | 57222 | 102861 | 14.81% | 2.069% |
| 49 | 24.399 | 3586 | 3593 | 3601 | rBV2 | 48890 | 156894 | 22.59% | 3.155% |
| 50 | 25.192 | 3721 | 3728 | 3738 | rVB2 | 40170 | 114249 | 16.45% | 2.298% |
| 51 | 25.357 | 3748 | 3756 | 3770 | rVB2 | 46958 | 152618 | 21.97% | 3.069% |
| 52 | 25.521 | 3776 | 3784 | 3794 | rBV | 74866 | 202486 | 29.15% | 4.072% |
| 53 | 29.534 | 4458 | 4467 | 4469 | rBV2 | 23859 | 59217 | 8.53% | 1.191% |
| 54 | 29.793 | 4499 | 4511 | 4525 | rVB7 | 42643 | 169220 | 24.36% | 3.403% |
| 55 | 30.792 | 4673 | 4681 | 4682 | rBV2 | 16348 | 31858 | 4.59% | 0.641% |
| 56 | 31.879 | 4861 | 4866 | 4868 | rBV6 | 4068 | 7841 | 1.13% | 0.158% |

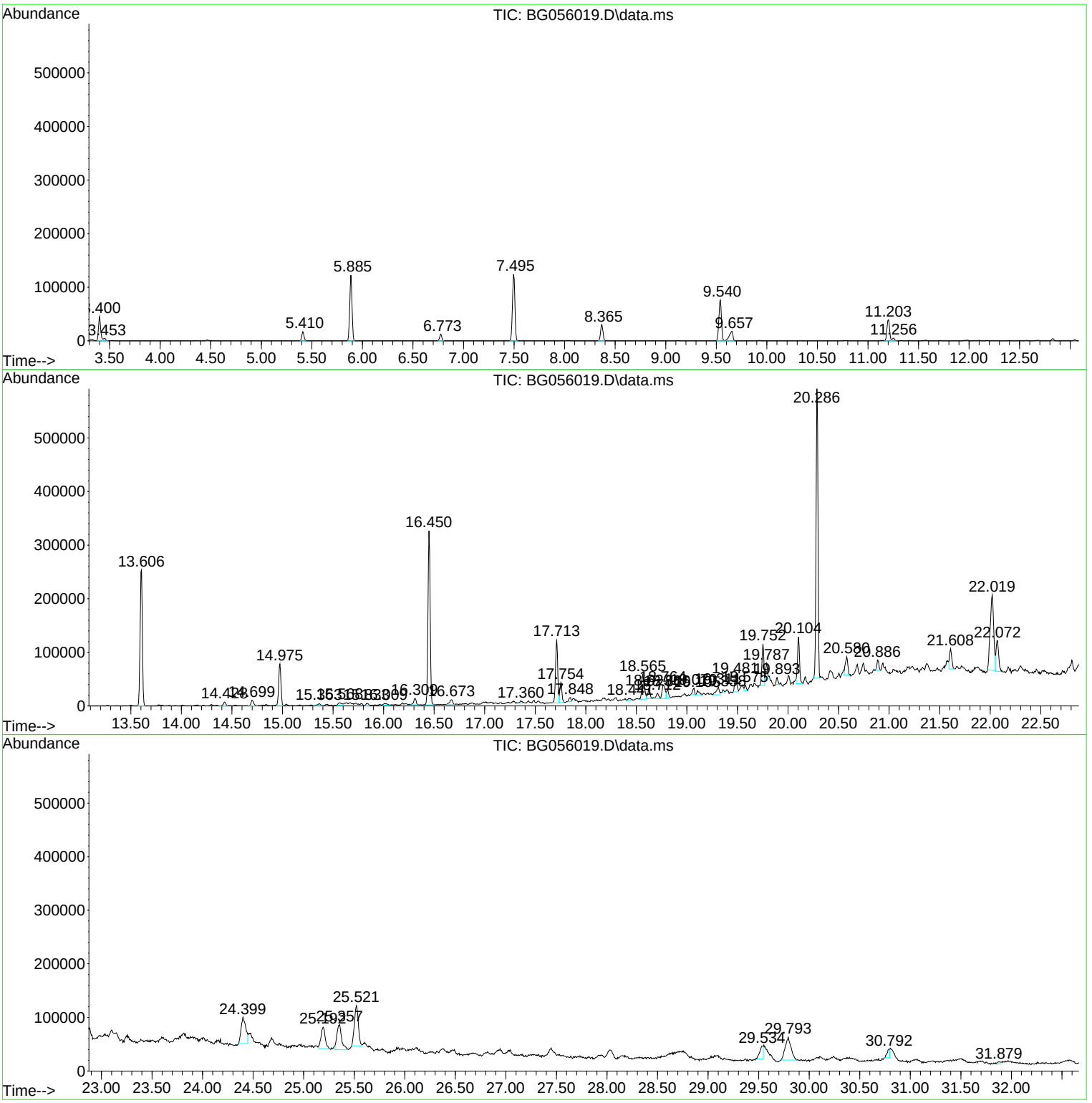
Sum of corrected areas: 4972403

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

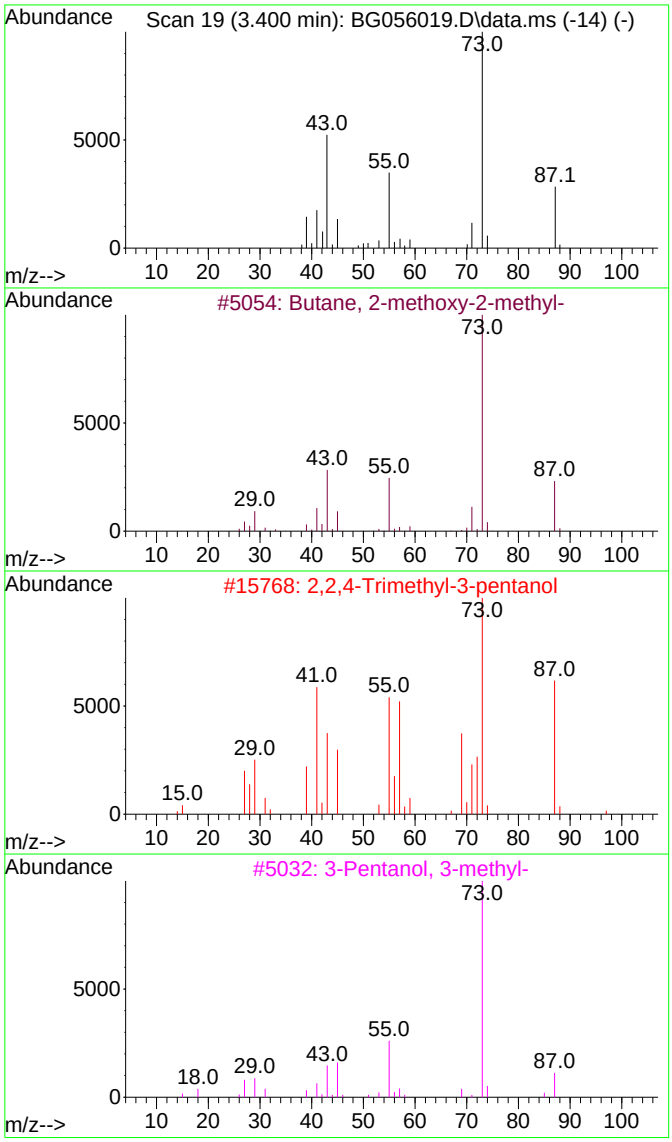
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

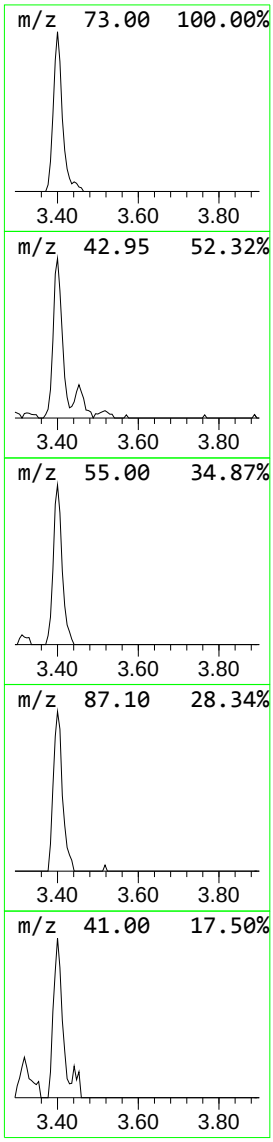
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.400 | 26.75 ng | 66665 | 1,4-Dichlorobenzene-d4 | 8.365 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 40 |
| 4 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 23 |
| 5 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

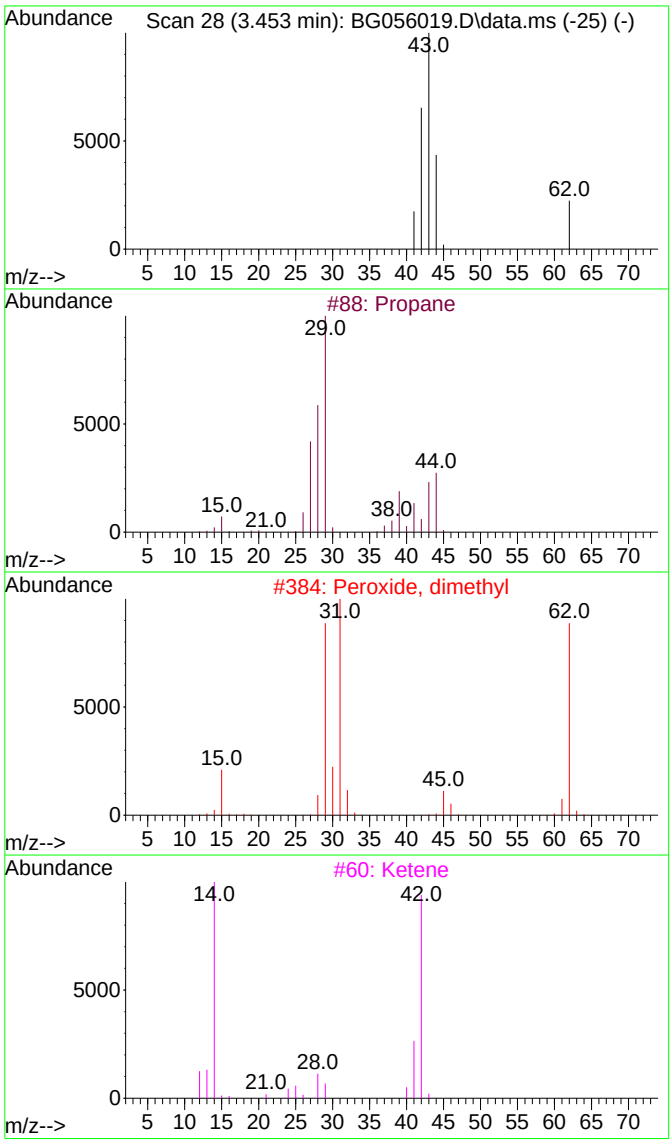
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

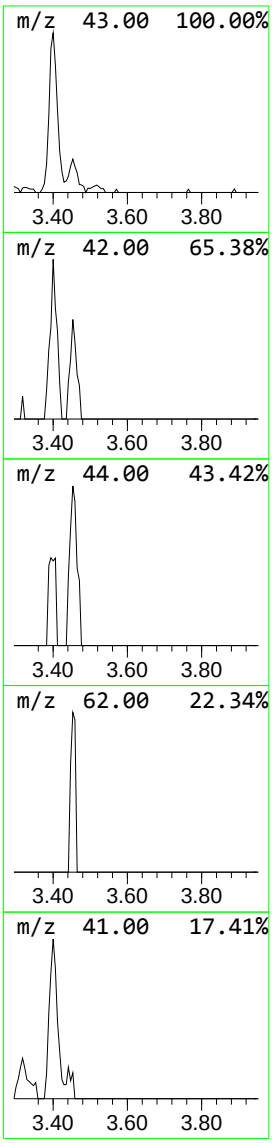
**********

Peak Number 2 unknown3.453 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.453 | 2.79 ng | 6946 | 1,4-Dichlorobenzene-d4 | 8.365 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane | 44 | C3H8 | 000074-98-6 | 3 |
| 2 | Peroxide, dimethyl | 62 | C2H6O2 | 000690-02-8 | 3 |
| 3 | Ketene | 42 | C2H2O | 000463-51-4 | 3 |
| 4 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 3 |
| 5 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

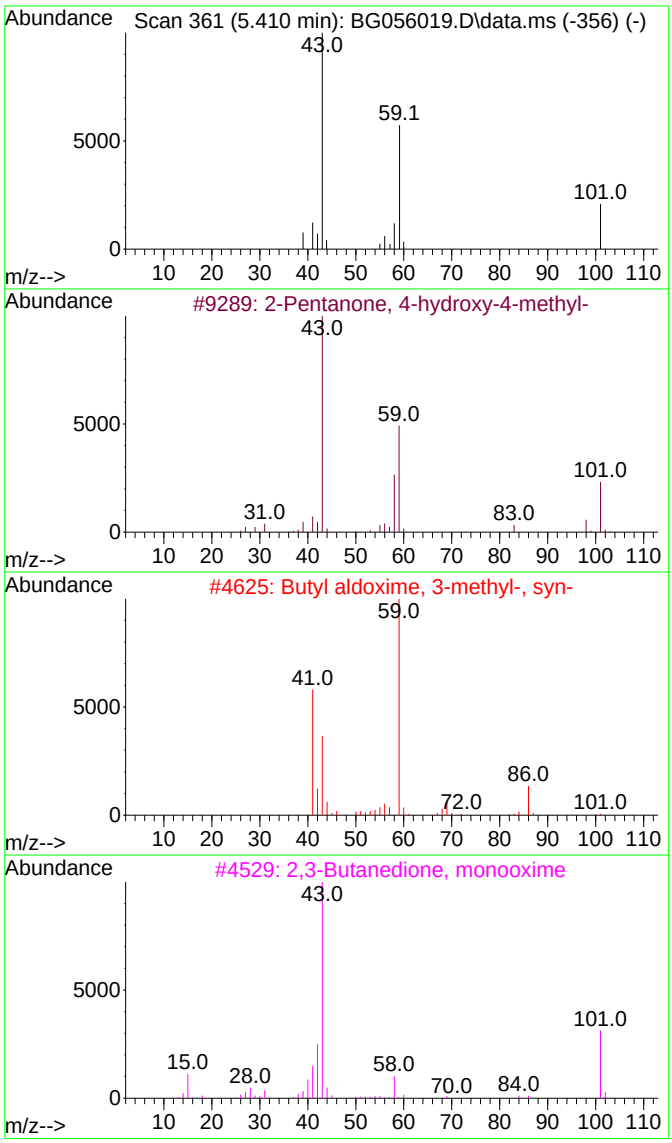
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

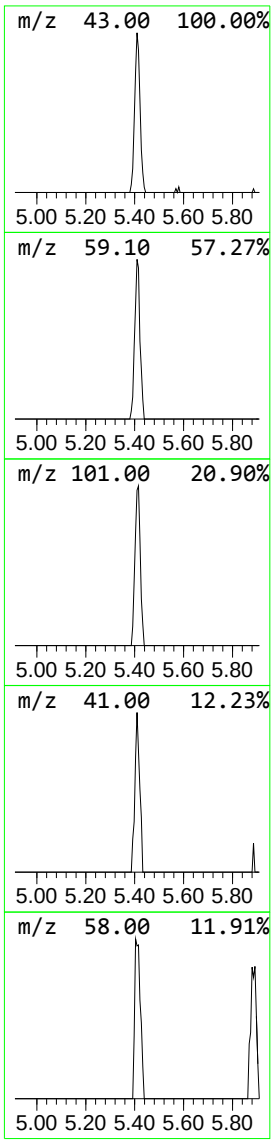
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.410 | 10.08 ng | 25122 | 1,4-Dichlorobenzene-d4 | 8.365 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 32 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | tert-Butyl Hydroperoxide | 90 | C4H10O2 | 000075-91-2 | 9 |
| 5 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

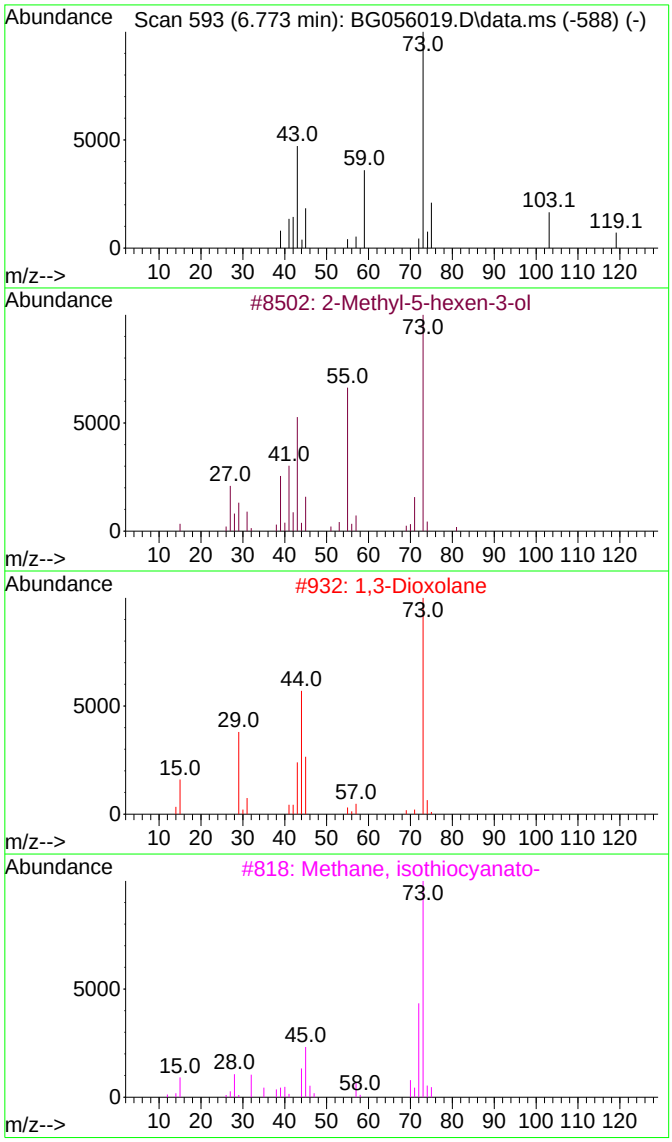
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

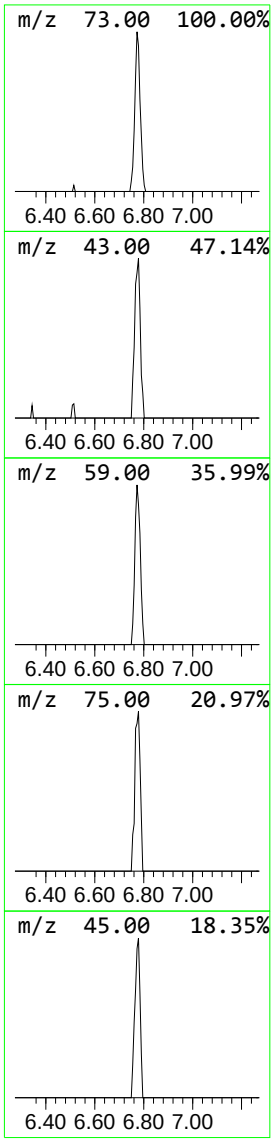
**********

Peak Number 4 unknown6.773 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.773 | 7.22 ng | 17984 | 1,4-Dichlorobenzene-d4 | 8.365 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 12 |
| 2 | 1,3-Dioxolane | 74 | C3H6O2 | 000646-06-0 | 12 |
| 3 | Methane, isothiocyanato- | 73 | C2H3NS | 000556-61-6 | 9 |
| 4 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |
| 5 | (Methoxymethyl)trimethylsilane | 118 | C5H14OSi | 014704-14-4 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

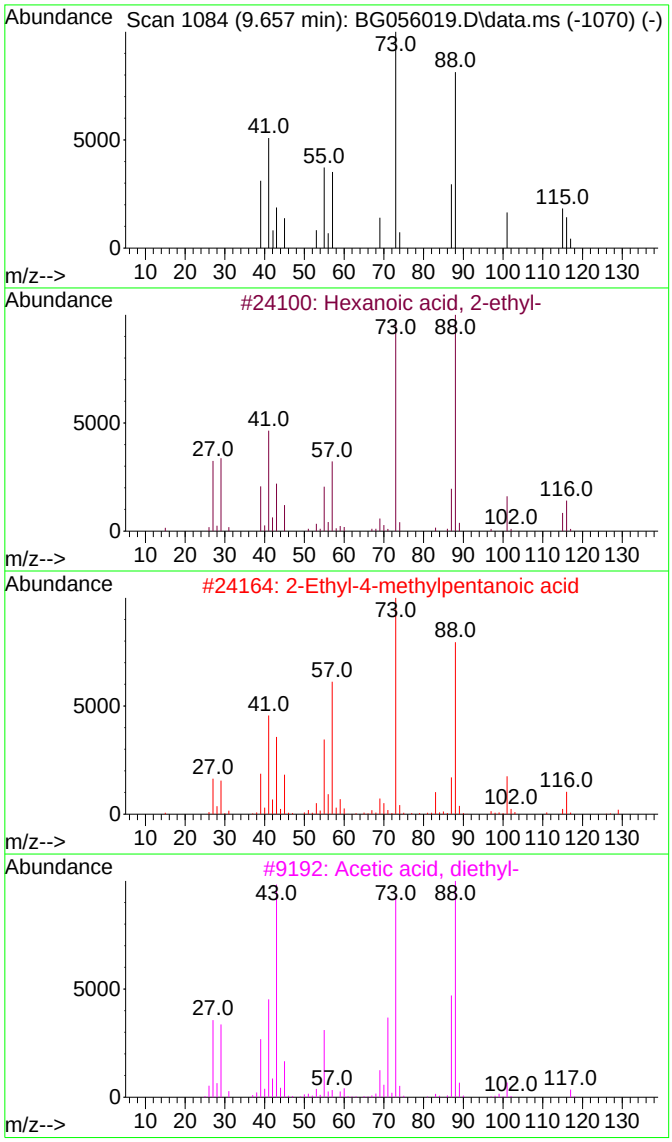
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

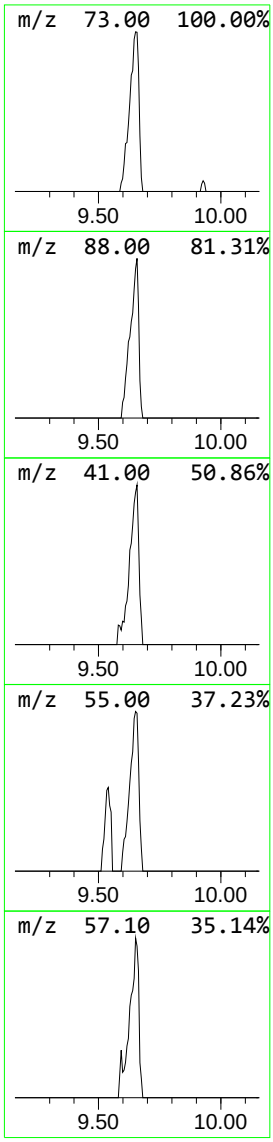
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.657 | 17.70 ng | 44098 | 1,4-Dichlorobenzene-d4 | 8.365 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 72 |
| 2 | 2-Ethyl-4-methylpentanoic acid | 144 | C8H16O2 | 000108-81-6 | 45 |
| 3 | Acetic acid, diethyl- | 116 | C6H12O2 | 000088-09-5 | 39 |
| 4 | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 38 |
| 5 | 3-Dodecyloxypropanoic acid, Me d... | 272 | C16H32O3 | 1000497-89-8 | 36 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

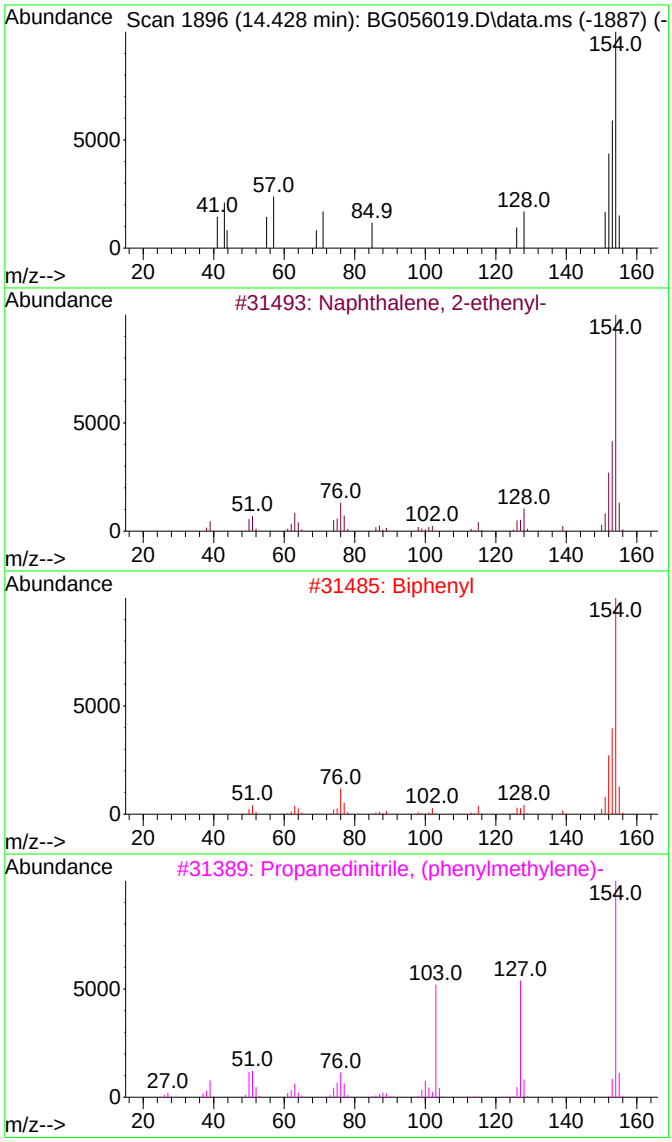
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

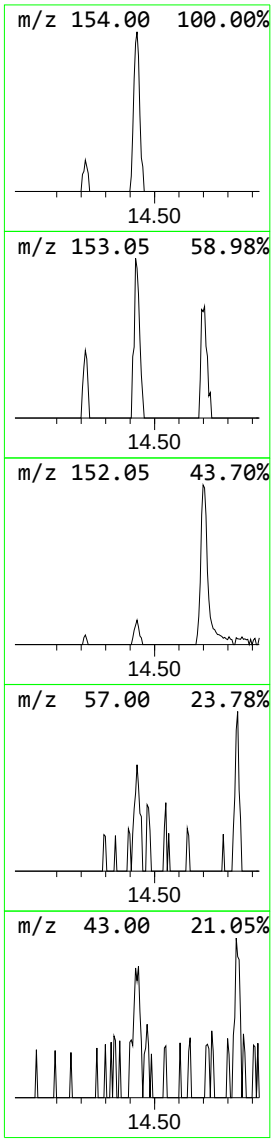
**********

Peak Number 6 Naphthalene, 2-ethenyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.428 | 2.16 ng | 13282 | Acenaphthene-d10 | 14.975 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 53 |
| 2 | Biphenyl | 154 | C12H10 | 000092-52-4 | 53 |
| 3 | Propanedinitrile, (phenylmethyle... | 154 | C10H6N2 | 002700-22-3 | 32 |
| 4 | 2-Quinolinecarbonitrile | 154 | C10H6N2 | 001436-43-7 | 32 |
| 5 | 1,3-Benzenediol, 5-(dimethylamino)- | 153 | C8H11NO2 | 040248-00-8 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

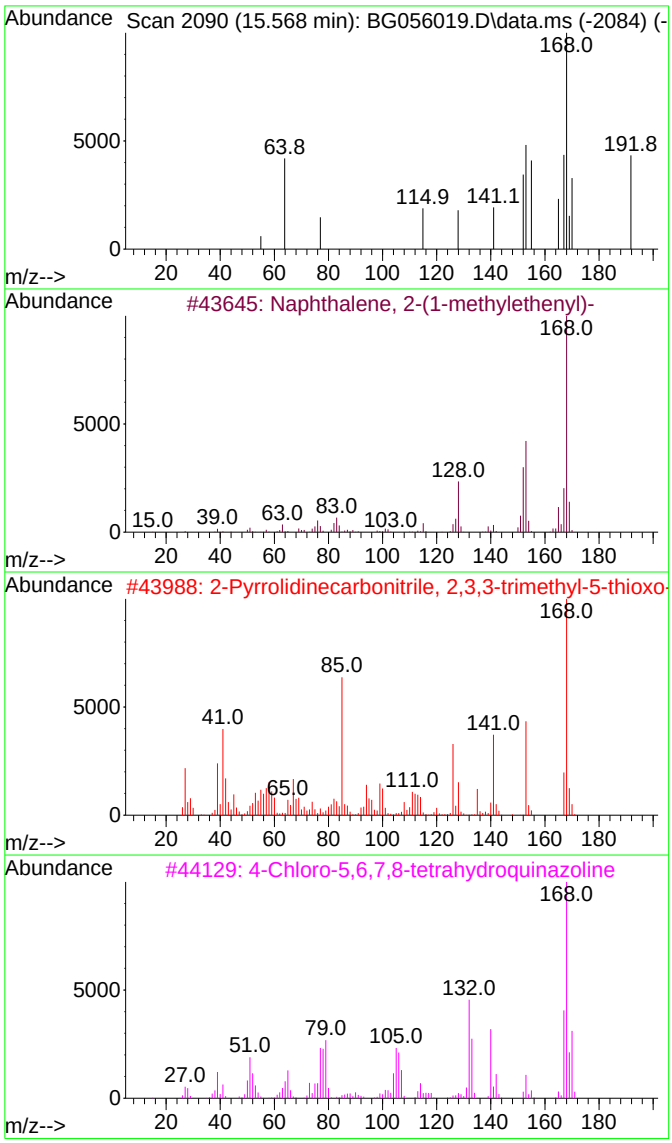
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

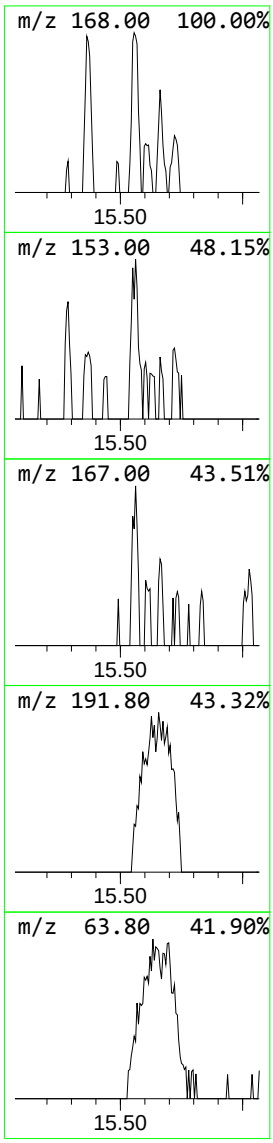
**********

Peak Number 7 unknown15.568 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.568 | 2.26 ng | 13893 | Acenaphthene-d10 | 14.975 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-(1-methylethenyl)- | 168 | C13H12 | 003710-23-4 | 18 |
| 2 | 2-Pyrrolidinecarbonitrile, 2,3,3... | 168 | C8H12N2S | 072812-09-0 | 14 |
| 3 | 4-Chloro-5,6,7,8-tetrahydroquina... | 168 | C8H9ClN2 | 001125-62-8 | 14 |
| 4 | Allyl 2-chlorophenyl ether | 168 | C9H9ClO | 020788-42-5 | 11 |
| 5 | Nickel,bis(1,2,3-.eta.)-2-methyl... | 168 | C8H14Ni | 012261-14-2 | 10 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

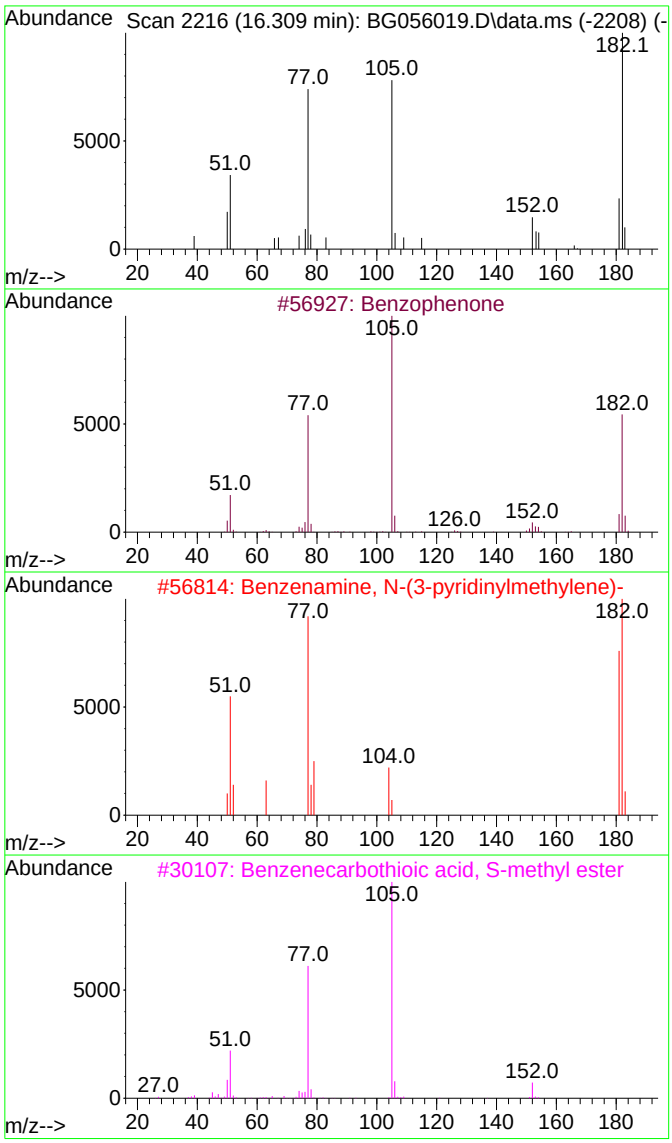
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

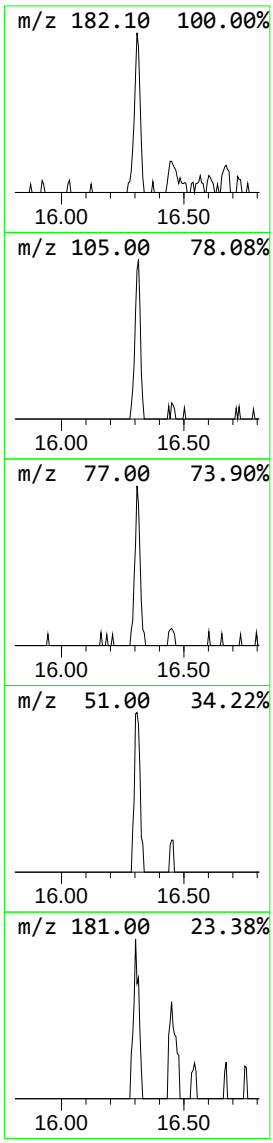
**********

Peak Number 8 Benzophenone Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.308 | 3.47 ng | 21355 | Acenaphthene-d10 | 14.975 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 87 |
| 2 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 59 |
| 3 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 43 |
| 4 | N-cyanobenzamide | 146 | C8H6N2O | 015150-25-1 | 38 |
| 5 | Benzhydrazide, N2-(2-methoxy-5-n... | 299 | C15H13N3O4 | 349572-84-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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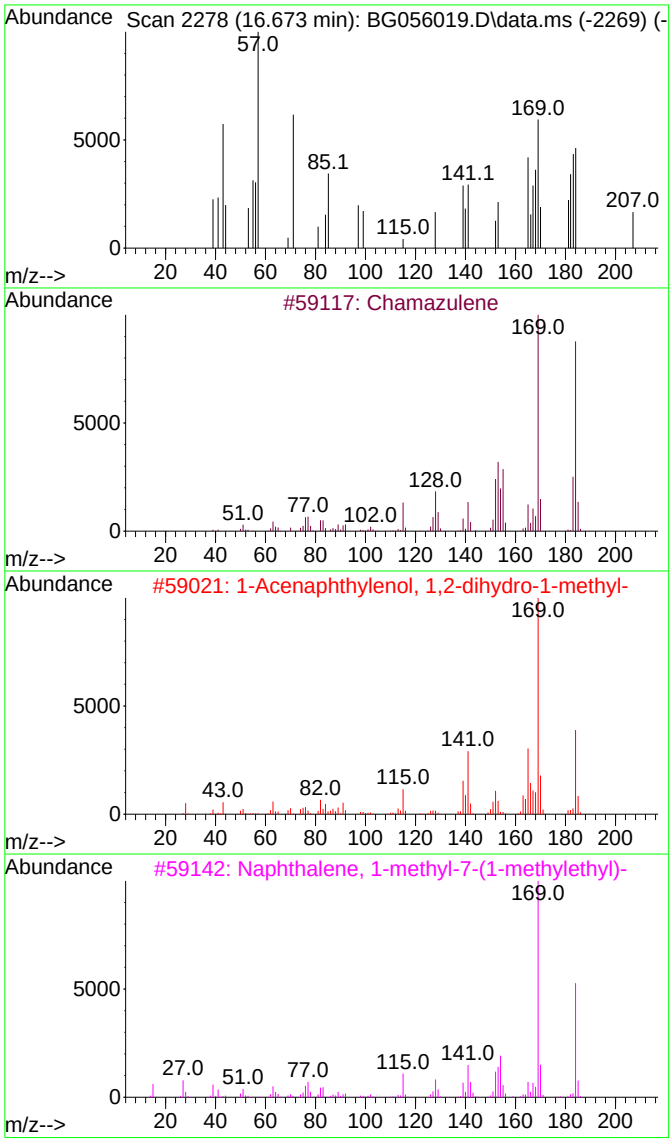
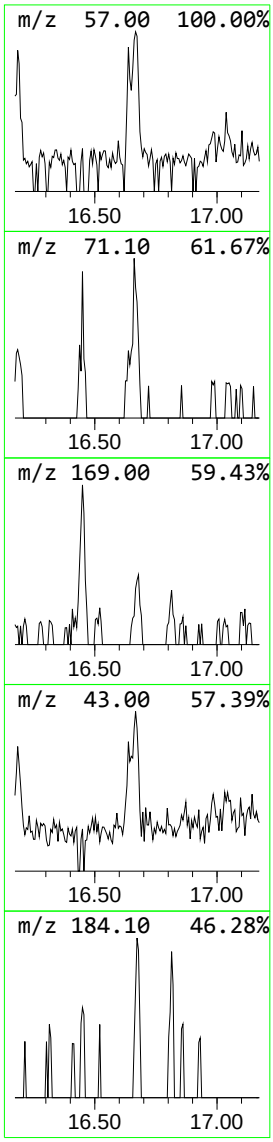
Peak Number 9 unknown16.673 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.673 | 2.23 ng | 19913 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chamazulene | 184 | C14H16 | 000529-05-5 | 35 |
| 2 | 1-Acenaphthylenol, 1,2-dihydro-1... | 184 | C13H12O | 041002-74-8 | 30 |
| 3 | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16 | 000490-65-3 | 27 |
| 4 | 4-Pyrimidinol, 2-acetonylthio- | 184 | C7H8N2O2S | 017649-28-4 | 14 |
| 5 | Phenol, 3,4,5-trimethoxy- | 184 | C9H12O4 | 000642-71-7 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

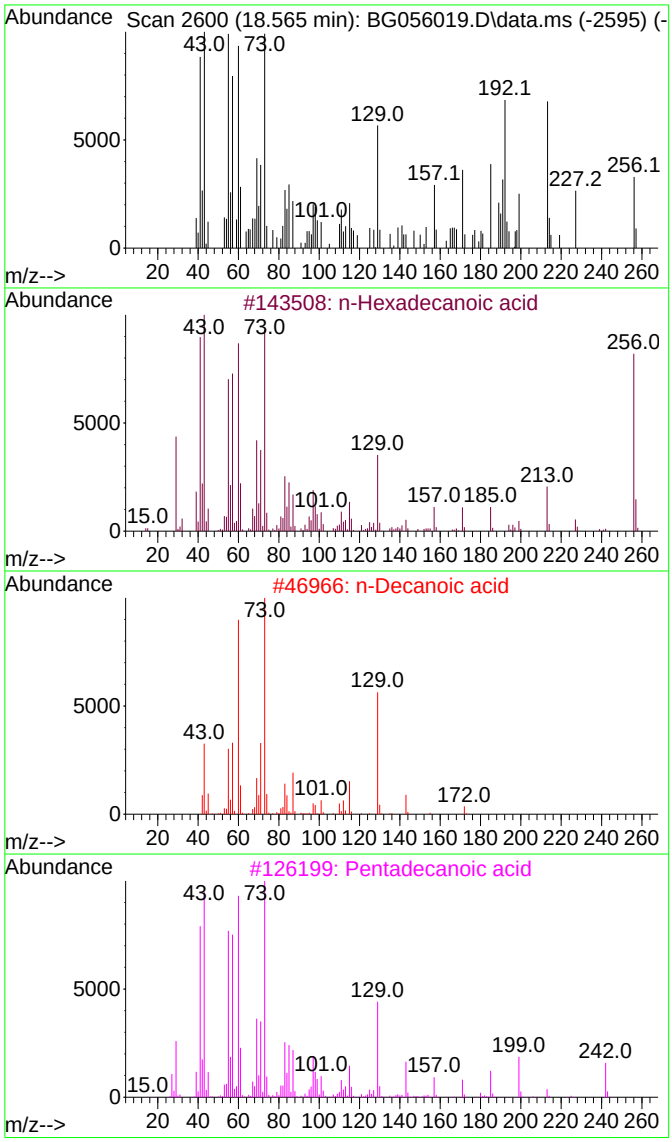
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

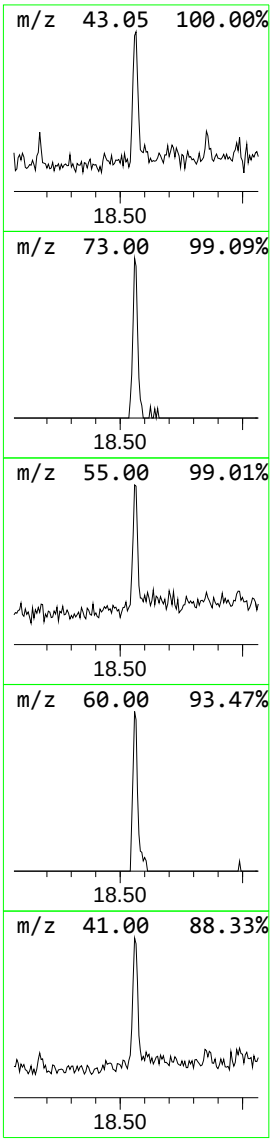
**********

Peak Number 10 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.565 | 9.17 ng | 81881 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |
| 2 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 51 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 46 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 43 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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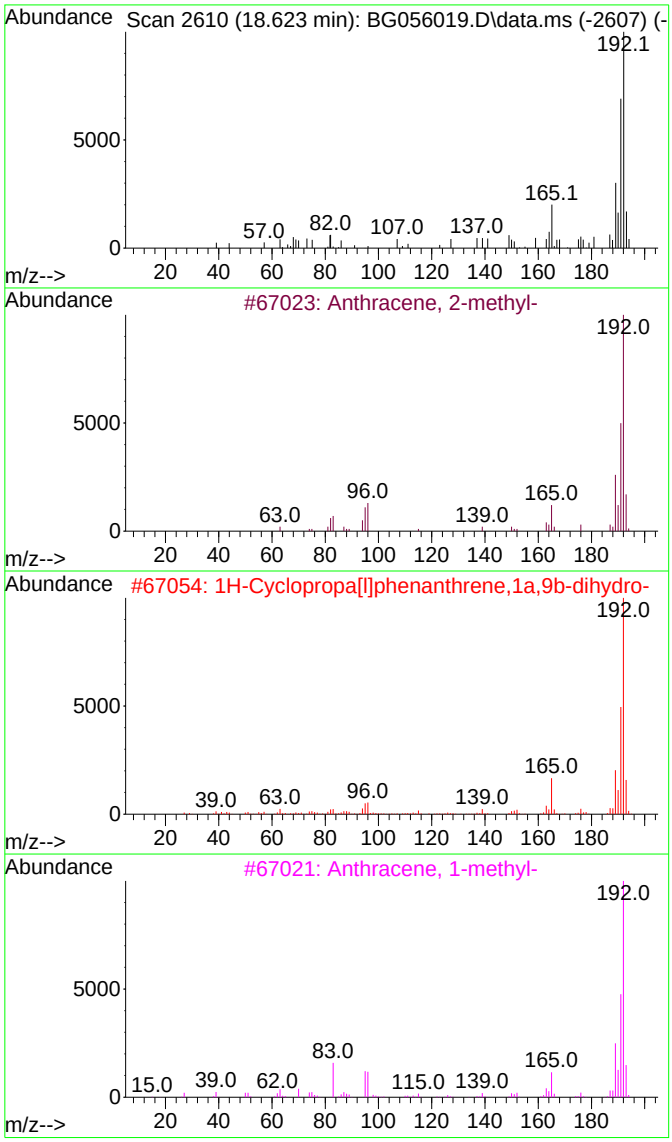
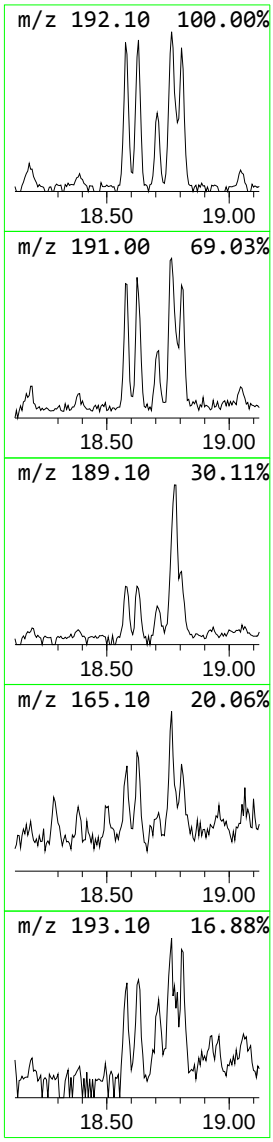
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.624 | 3.07 ng | 27429 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 87 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 87 |



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Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

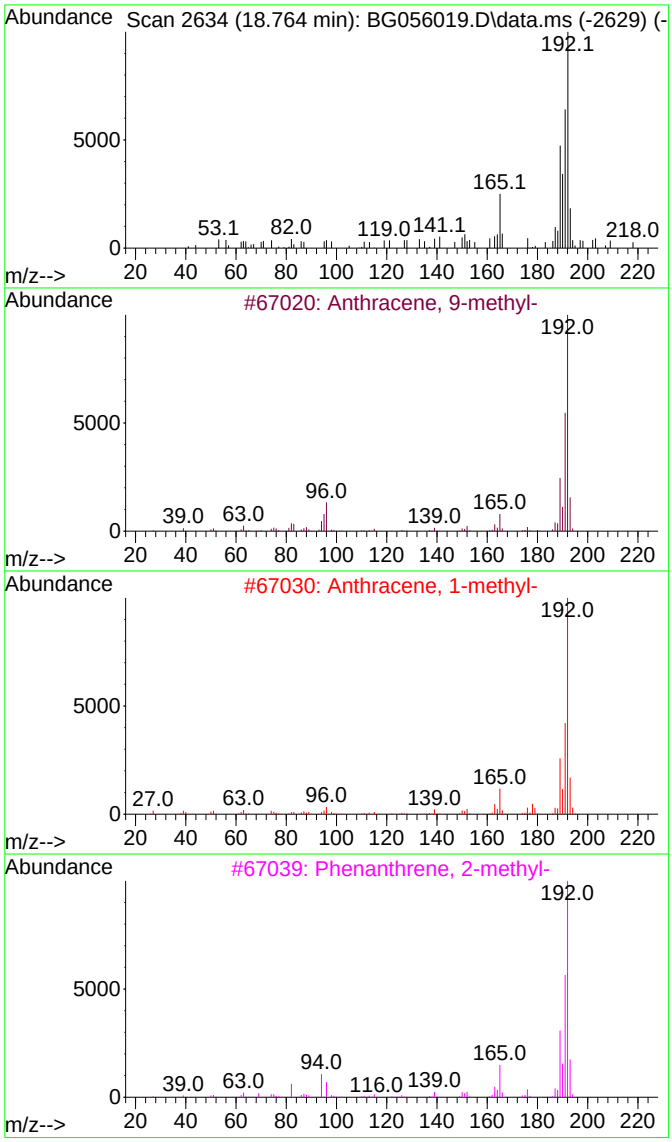
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

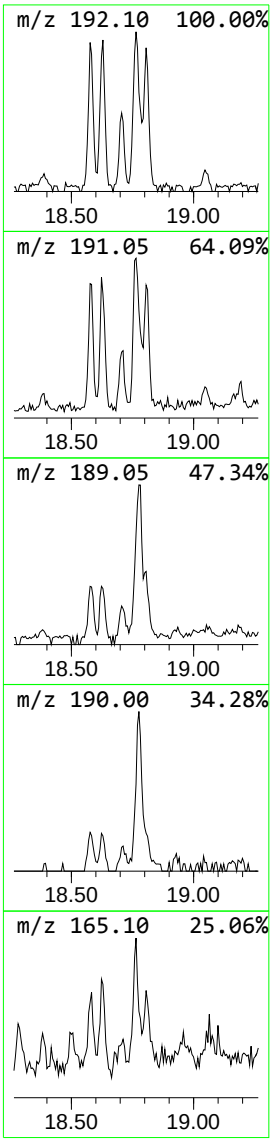
**********

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.765 | 6.07 ng | 54234 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 68 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 64 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 64 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 62 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

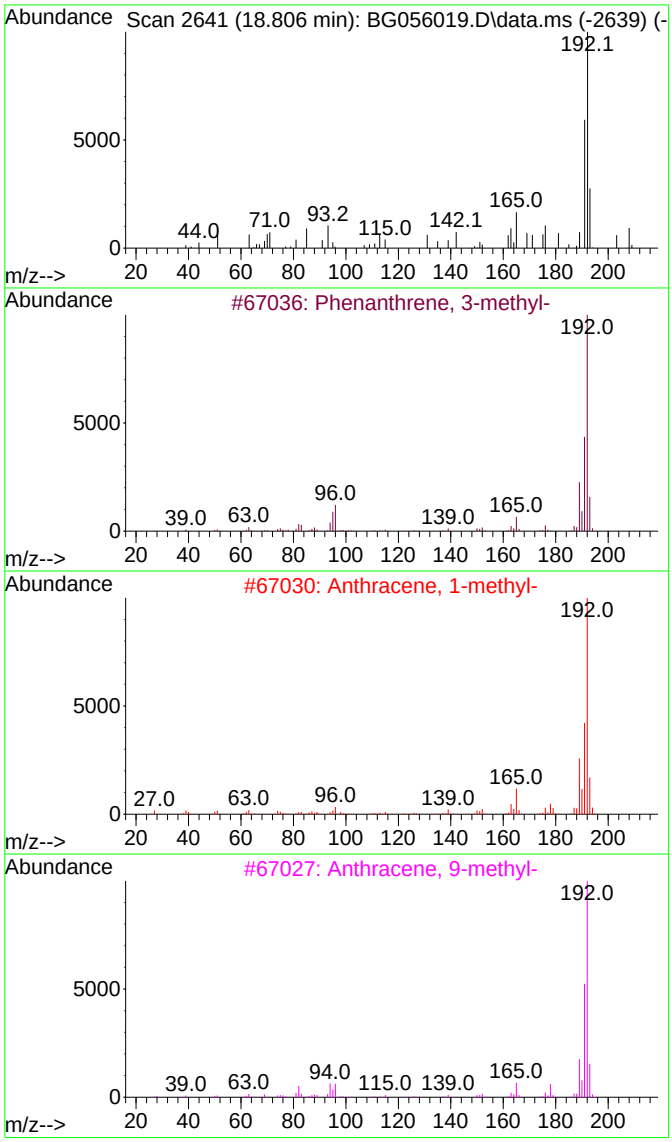
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

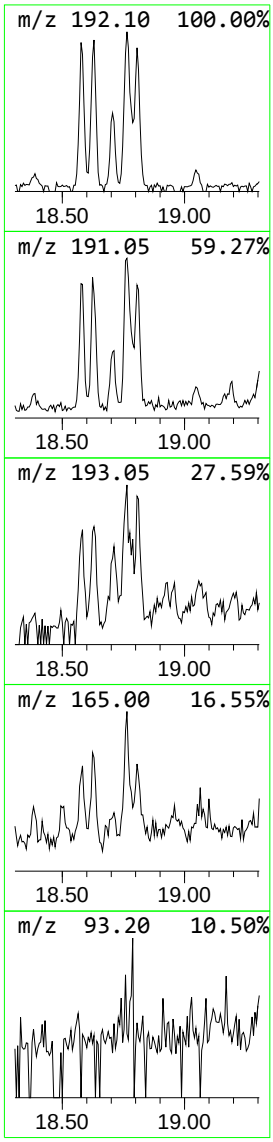
**********

Peak Number 13 Phenanthrene, 3-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.806 | 2.39 ng | 21357 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 72 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 64 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 59 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 59 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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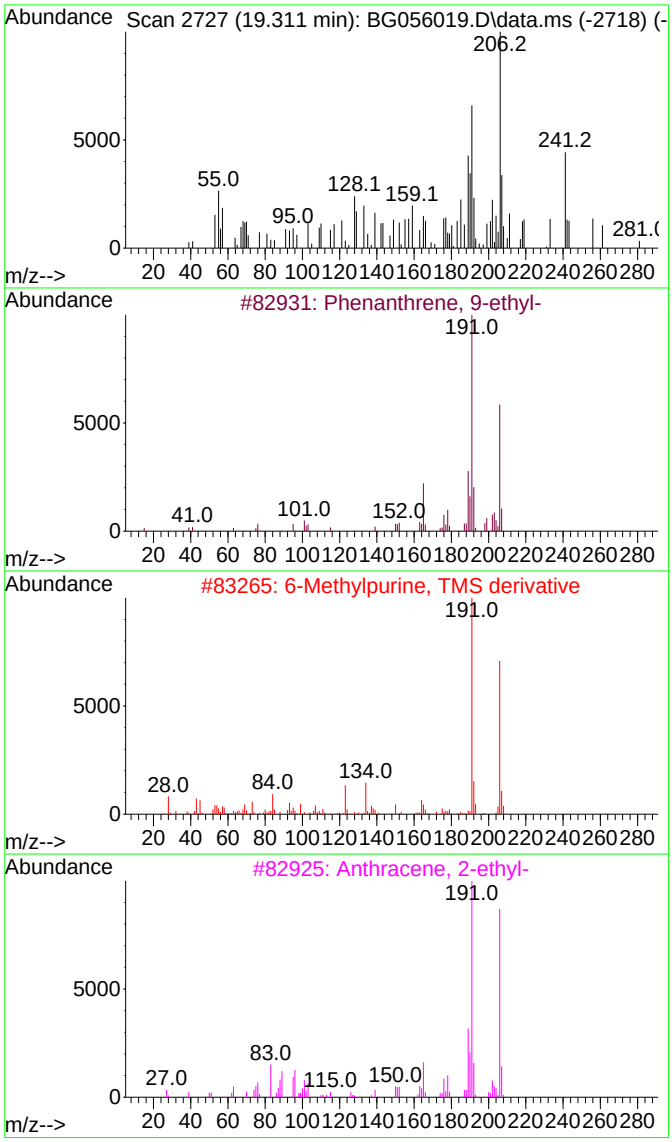
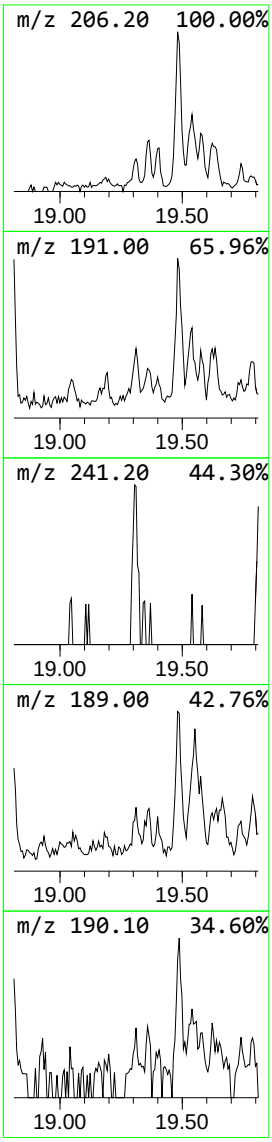
Peak Number 14 Phenanthrene, 9-ethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.311 | 3.38 ng | 30180 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 9-ethyl- | 206 | C16H14 | 003674-75-7 | 46 |
| 2 | 6-Methylpurine, TMS derivative | 206 | C9H14N4Si | 032865-79-5 | 43 |
| 3 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 43 |
| 4 | Anthracene, 9-ethyl- | 206 | C16H14 | 000605-83-4 | 43 |
| 5 | Phenanthrene, 9,10-dimethyl- | 206 | C16H14 | 000604-83-1 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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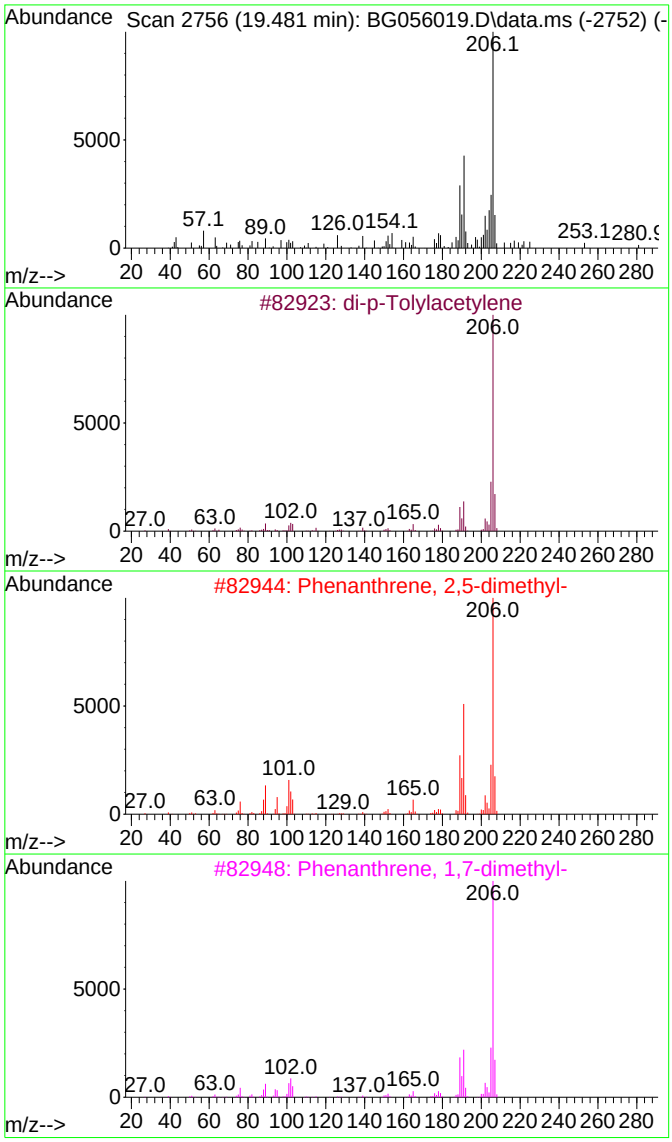
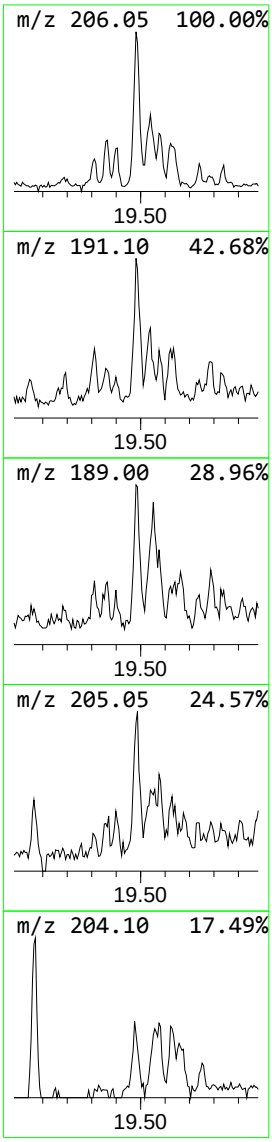
Peak Number 15 di-p-Tolylacetylene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.481 | 4.99 ng | 44573 | Phenanthrene-d10 | 17.713 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 2 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |
| 3 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |
| 4 | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14 | 007469-40-1 | 90 |
| 5 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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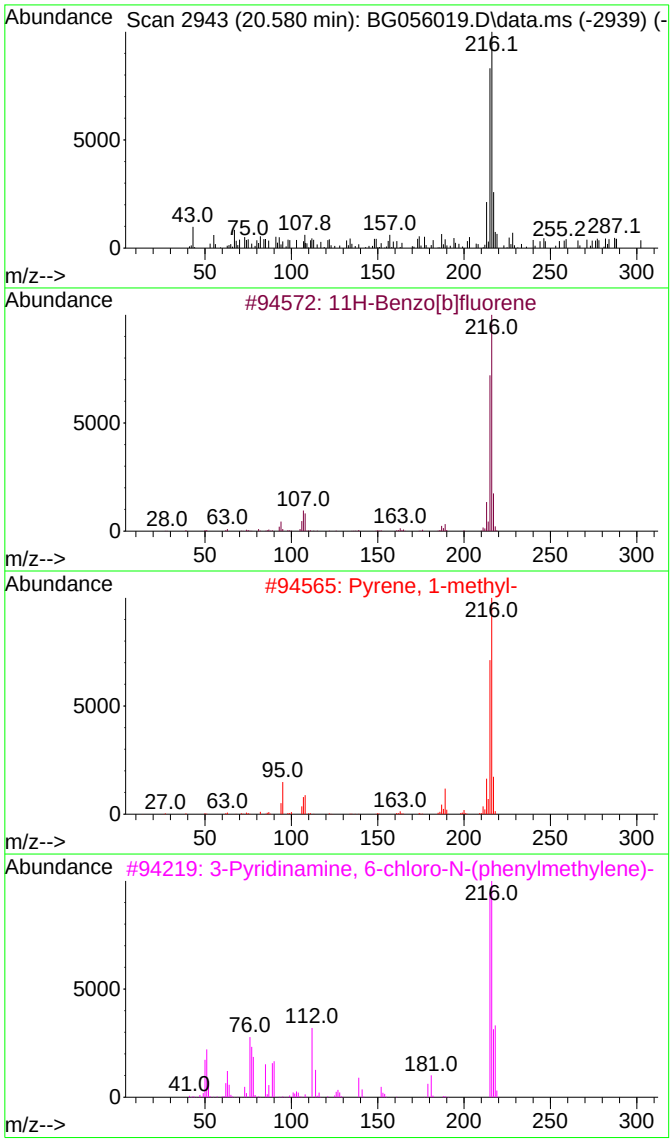
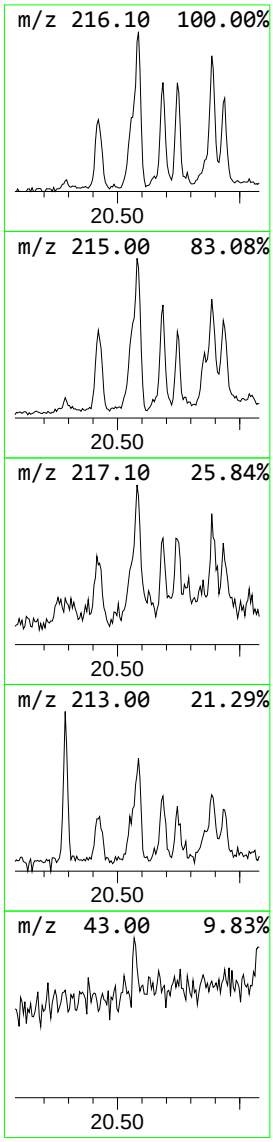
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.580 | 3.37 ng | 57623 | Chrysene-d12 | 22.020 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 64 |
| 3 | 3-Pyridinamine, 6-chloro-N-(phen... | 216 | C12H9ClN2 | 005325-71-3 | 59 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 58 |
| 5 | 1,3-Dihydro-5,6-dimethyl-1-(2-pr... | 216 | C12H12N2S | 080276-22-8 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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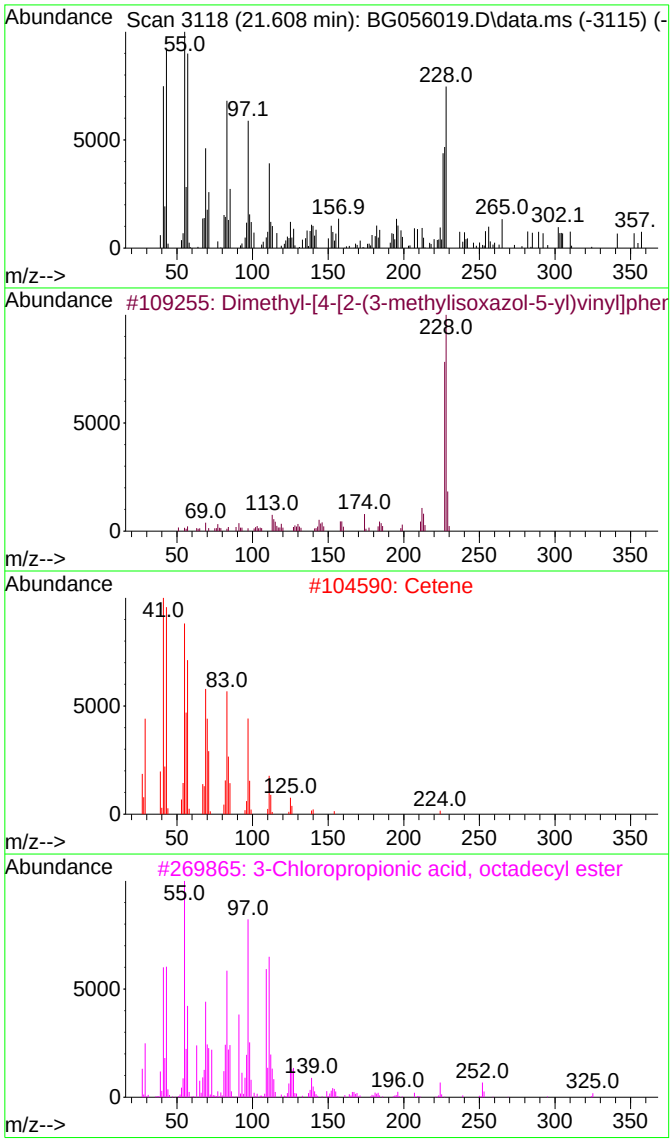
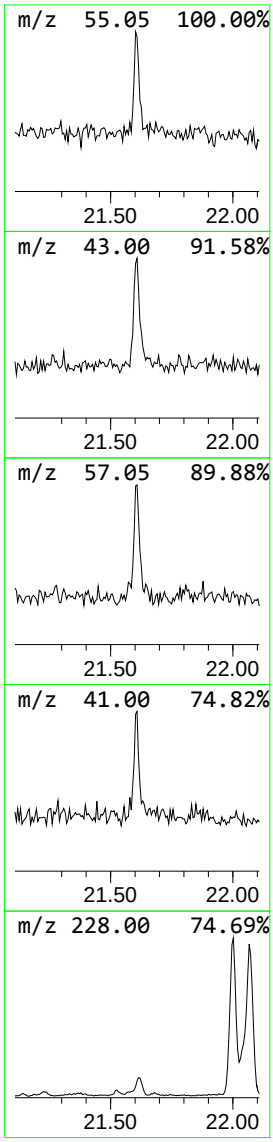
Peak Number 17 unknown21.608 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.608 | 3.32 ng | 56851 | Chrysene-d12 | 22.020 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 35 |
| 2 | Cetene | 224 | C16H32 | 000629-73-2 | 25 |
| 3 | 3-Chloropropionic acid, octadecy... | 360 | C21H41ClO2 | 088168-99-4 | 18 |
| 4 | 5,12-ethanonaphthacene, 5,12-dih... | 256 | C20H16 | 1000396-72-8 | 18 |
| 5 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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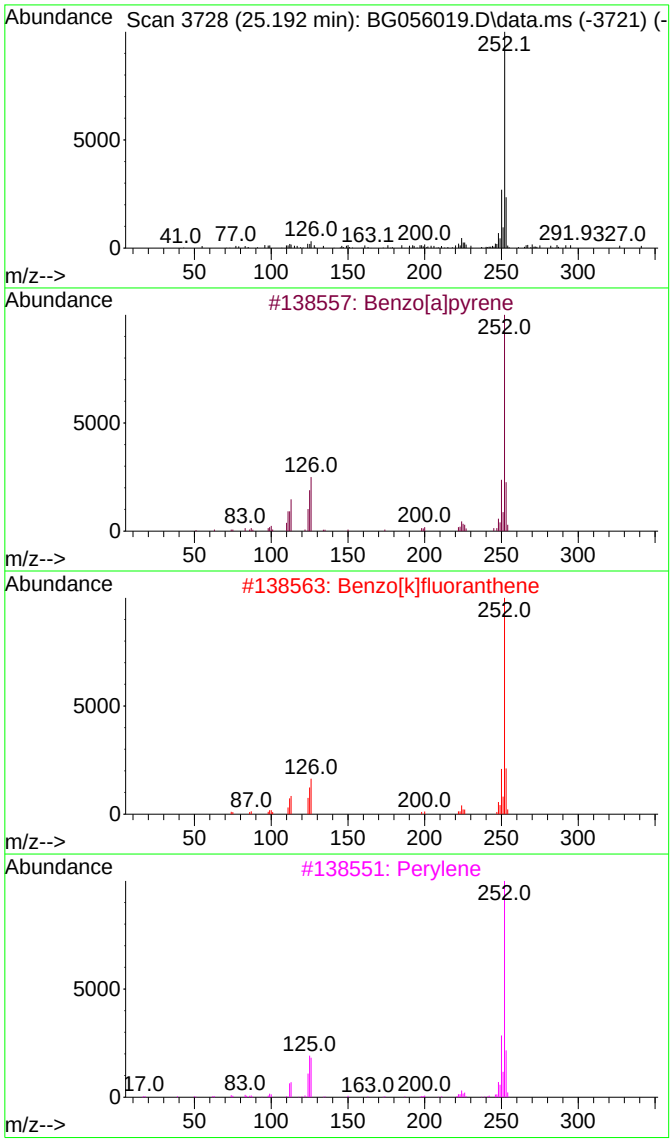
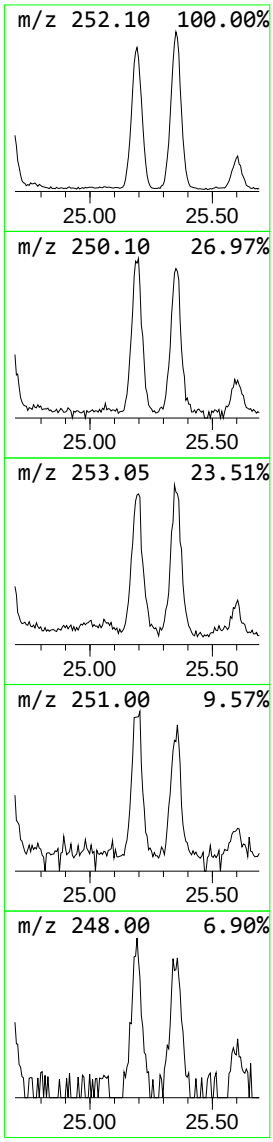
Peak Number 18 Perylene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.192 | 11.28 ng | 114249 | Perylene-d12 | 25.521 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 89 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 76 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 76 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 76 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

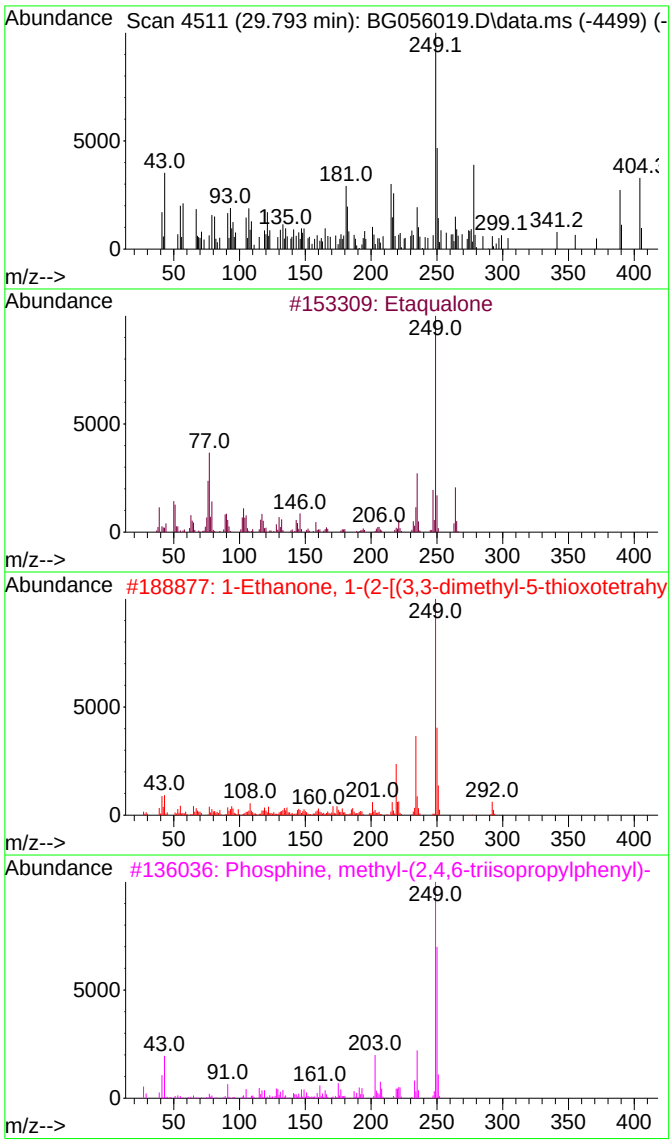
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

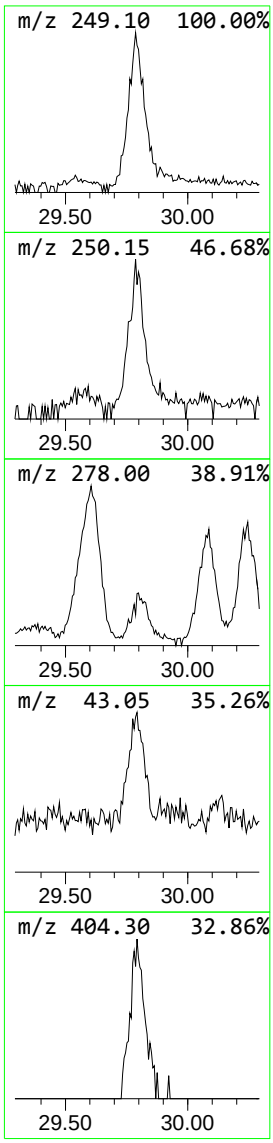
**********

Peak Number 19 unknown29.793 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.793 | 16.71 ng | 169220 | Perylene-d12 | 25.521 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Etaqualone | 264 | C17H16N2O | 007432-25-9 | 38 |
| 2 | 1-Ethanone, 1-(2-[(3,3-dimethyl-... | 292 | C16H24N2OS | 077109-20-7 | 38 |
| 3 | Phosphine, methyl-(2,4,6-triisop... | 250 | C16H27P | 158748-69-7 | 38 |
| 4 | 2,4,6(1H,3H,5H)-Pyrimidinetrione... | 264 | C14H20N2O3 | 055044-42-3 | 27 |
| 5 | Hydroxycotinine, (Z)-, TBDMS der... | 306 | C16H26N2O2Si | 1000331-70-7 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
Acq On : 19 Dec 2022 18:49
Operator : CG/JU
Sample : N6026-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-29-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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... | 3.400 | 26.8 | ng | 66665 | 1 | 8.365 | 49842 | 20.0 |
| unknown3.453 | 3.453 | 2.8 | ng | 6946 | 1 | 8.365 | 49842 | 20.0 |
| 2-Pentanone, 4-... | 5.410 | 10.1 | ng | 25122 | 1 | 8.365 | 49842 | 20.0 |
| unknown6.773 | 6.773 | 7.2 | ng | 17984 | 1 | 8.365 | 49842 | 20.0 |
| Hexanoic acid, ... | 9.657 | 17.7 | ng | 44098 | 1 | 8.365 | 49842 | 20.0 |
| Naphthalene, 2-... | 14.428 | 2.2 | ng | 13282 | 3 | 14.975 | 123077 | 20.0 |
| unknown15.568 | 15.568 | 2.3 | ng | 13893 | 3 | 14.975 | 123077 | 20.0 |
| Benzophenone | 16.308 | 3.5 | ng | 21355 | 3 | 14.975 | 123077 | 20.0 |
| unknown16.673 | 16.673 | 2.2 | ng | 19913 | 4 | 17.713 | 178582 | 20.0 |
| n-Hexadecanoic ... | 18.565 | 9.2 | ng | 81881 | 4 | 17.713 | 178582 | 20.0 |
| Anthracene, 2-m... | 18.624 | 3.1 | ng | 27429 | 4 | 17.713 | 178582 | 20.0 |
| Anthracene, 9-m... | 18.765 | 6.1 | ng | 54234 | 4 | 17.713 | 178582 | 20.0 |
| Phenanthrene, 3... | 18.806 | 2.4 | ng | 21357 | 4 | 17.713 | 178582 | 20.0 |
| Phenanthrene, 9... | 19.311 | 3.4 | ng | 30180 | 4 | 17.713 | 178582 | 20.0 |
| di-p-Tolylacety... | 19.481 | 5.0 | ng | 44573 | 4 | 17.713 | 178582 | 20.0 |
| 11H-Benzo[b]flu... | 20.580 | 3.4 | ng | 57623 | 5 | 22.020 | 342223 | 20.0 |
| unknown21.608 | 21.608 | 3.3 | ng | 56851 | 5 | 22.020 | 342223 | 20.0 |
| Perylene | 25.192 | 11.3 | ng | 114249 | 6 | 25.521 | 202486 | 20.0 |
| unknown29.793 | 29.793 | 16.7 | ng | 169220 | 6 | 25.521 | 202486 | 20.0 |