LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

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-BG110122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055482.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.651 | 227 | 232 | 240 | rBV2 | 8025 | 14800 | 1.70% | 0.200% |
| 2 | 5.274 | 330 | 338 | 346 | rBV | 72603 | 119156 | 13.69% | 1.607% |
| 3 | 5.762 | 414 | 421 | 434 | rBV | 256364 | 426438 | 48.98% | 5.750% |
| 4 | 7.384 | 690 | 697 | 713 | rBV | 246487 | 443010 | 50.88% | 5.973% |
| 5 | 8.230 | 835 | 841 | 850 | rBV | 135969 | 228295 | 26.22% | 3.078% |
| 6 | 9.405 | 1035 | 1041 | 1052 | rBV | 151887 | 276772 | 31.79% | 3.732% |
| 7 | 11.062 | 1316 | 1323 | 1329 | rBV | 191831 | 337611 | 38.78% | 4.552% |
| 8 | 11.114 | 1329 | 1332 | 1338 | rVB | 8209 | 12810 | 1.47% | 0.173% |
| 9 | 12.695 | 1597 | 1601 | 1609 | rVB2 | 7469 | 10546 | 1.21% | 0.142% |
| 10 | 12.912 | 1632 | 1638 | 1646 | rVB2 | 8397 | 16836 | 1.93% | 0.227% |
| 11 | 13.476 | 1726 | 1734 | 1745 | rBV | 458269 | 703599 | 80.82% | 9.487% |
| 12 | 14.029 | 1820 | 1828 | 1834 | rBV6 | 8016 | 19153 | 2.20% | 0.258% |
| 13 | 14.170 | 1847 | 1852 | 1857 | rBV2 | 14113 | 23840 | 2.74% | 0.321% |
| 14 | 14.223 | 1857 | 1861 | 1865 | rVB2 | 9078 | 12194 | 1.40% | 0.164% |
| 15 | 14.411 | 1888 | 1893 | 1900 | rVB5 | 7447 | 13434 | 1.54% | 0.181% |
| 16 | 14.581 | 1915 | 1922 | 1930 | rBV5 | 8793 | 20741 | 2.38% | 0.280% |
| 17 | 14.851 | 1958 | 1968 | 1974 | rBV | 289886 | 470834 | 54.08% | 6.348% |
| 18 | 14.910 | 1974 | 1978 | 1984 | rVB2 | 21246 | 32890 | 3.78% | 0.443% |
| 19 | 15.045 | 1995 | 2001 | 2002 | rBV6 | 7300 | 10017 | 1.15% | 0.135% |
| 20 | 15.239 | 2026 | 2034 | 2040 | rVB2 | 21740 | 43126 | 4.95% | 0.581% |
| 21 | 15.310 | 2042 | 2046 | 2051 | rBV2 | 11534 | 16634 | 1.91% | 0.224% |
| 22 | 15.451 | 2064 | 2070 | 2075 | rBV2 | 13009 | 26773 | 3.08% | 0.361% |
| 23 | 15.503 | 2075 | 2079 | 2085 | rVB3 | 8145 | 16379 | 1.88% | 0.221% |
| 24 | 15.621 | 2093 | 2099 | 2102 | rBV6 | 8656 | 17230 | 1.98% | 0.232% |
| 25 | 15.650 | 2102 | 2104 | 2109 | rVB3 | 12709 | 14215 | 1.63% | 0.192% |
| 26 | 15.891 | 2135 | 2145 | 2149 | rBV2 | 41051 | 79013 | 9.08% | 1.065% |
| 27 | 16.050 | 2168 | 2172 | 2176 | rVB5 | 13314 | 19347 | 2.22% | 0.261% |
| 28 | 16.326 | 2214 | 2219 | 2228 | rBV | 317927 | 508985 | 58.46% | 6.863% |
| 29 | 16.526 | 2246 | 2253 | 2265 | rBV7 | 19610 | 64676 | 7.43% | 0.872% |
| 30 | 17.090 | 2345 | 2349 | 2350 | rBV4 | 8186 | 10565 | 1.21% | 0.142% |
| 31 | 17.295 | 2381 | 2384 | 2388 | rBV3 | 14116 | 18151 | 2.08% | 0.245% |
| 32 | 17.348 | 2390 | 2393 | 2397 | rVV2 | 18442 | 23345 | 2.68% | 0.315% |
| 33 | 17.401 | 2399 | 2402 | 2407 | rVB | 24295 | 36227 | 4.16% | 0.488% |
| 34 | 17.583 | 2427 | 2433 | 2437 | rBV | 336215 | 528703 | 60.73% | 7.128% |
| 35 | 17.624 | 2437 | 2440 | 2447 | rVB | 292394 | 412367 | 47.37% | 5.560% |
| 36 | 17.713 | 2451 | 2455 | 2462 | rVV | 61321 | 100122 | 11.50% | 1.350% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

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-BG110122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 17.983 | 2498 | 2501 | 2506 | rVB | 31488 | 42500 | 4.88% | 0.573% |
| 38 | 18.030 | 2506 | 2509 | 2516 | rVB3 | 17473 | 24668 | 2.83% | 0.333% |
| 39 | 18.159 | 2528 | 2531 | 2537 | rBV | 23115 | 32341 | 3.71% | 0.436% |
| 40 | 18.453 | 2575 | 2581 | 2585 | rBV2 | 52785 | 114172 | 13.11% | 1.539% |
| 41 | 18.500 | 2586 | 2589 | 2593 | rVB | 58764 | 81812 | 9.40% | 1.103% |
| 42 | 18.647 | 2609 | 2614 | 2618 | rBV2 | 53925 | 110785 | 12.72% | 1.494% |
| 43 | 19.616 | 2775 | 2779 | 2785 | rVB | 391157 | 524099 | 60.20% | 7.066% |
| 44 | 19.980 | 2837 | 2841 | 2846 | rVB | 346323 | 487008 | 55.94% | 6.566% |
| 45 | 20.157 | 2867 | 2871 | 2876 | rVB | 694540 | 870614 | 100.00% | 11.738% |

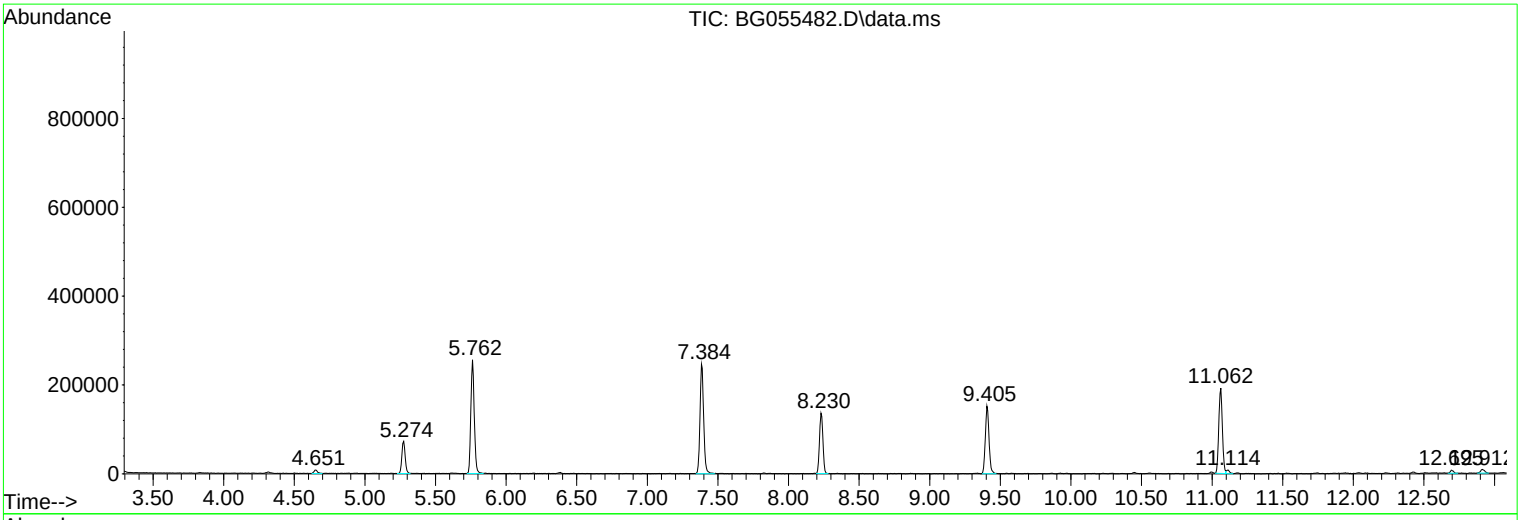
Sum of corrected areas: 7416833

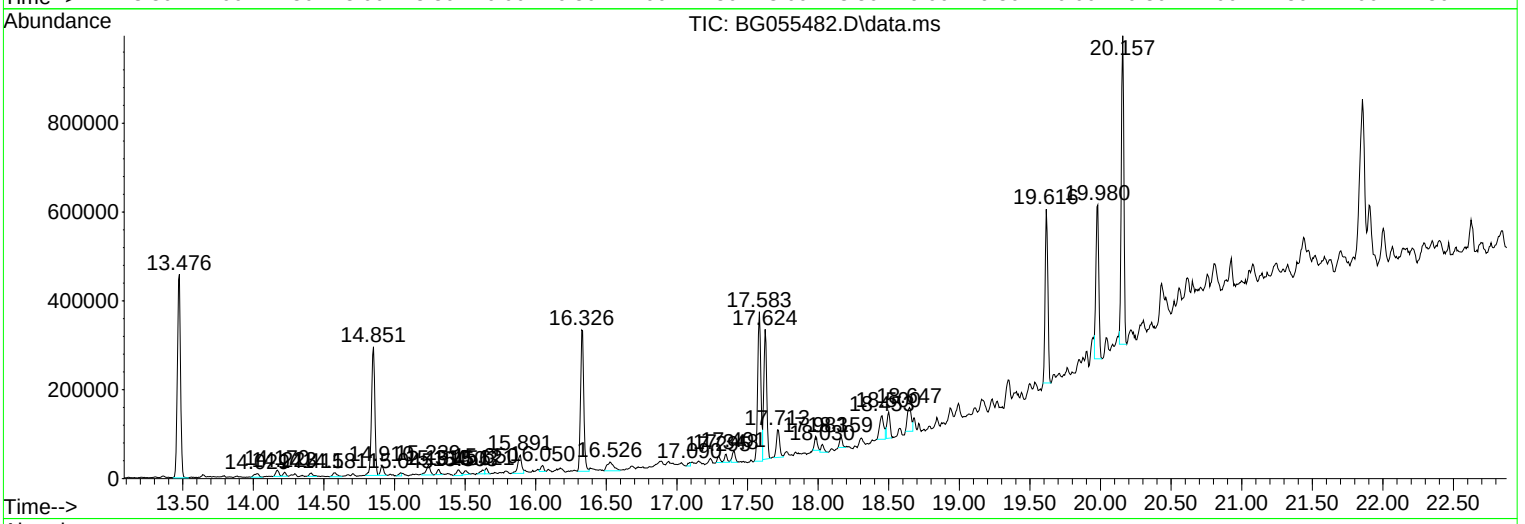
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

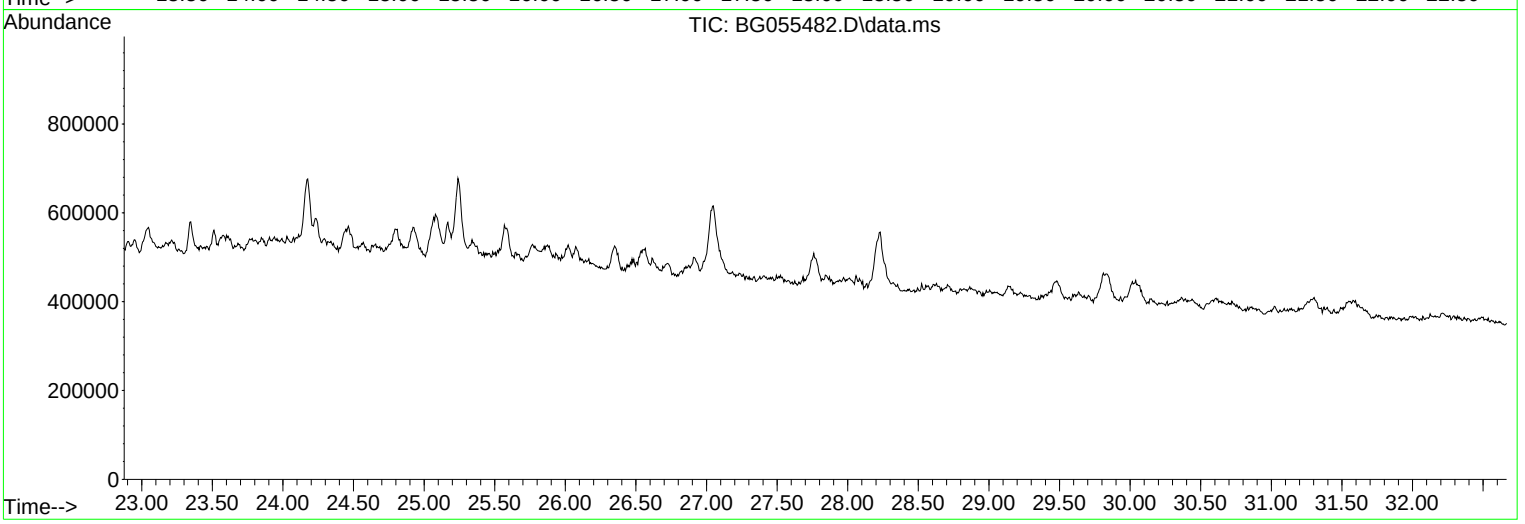
**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.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\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

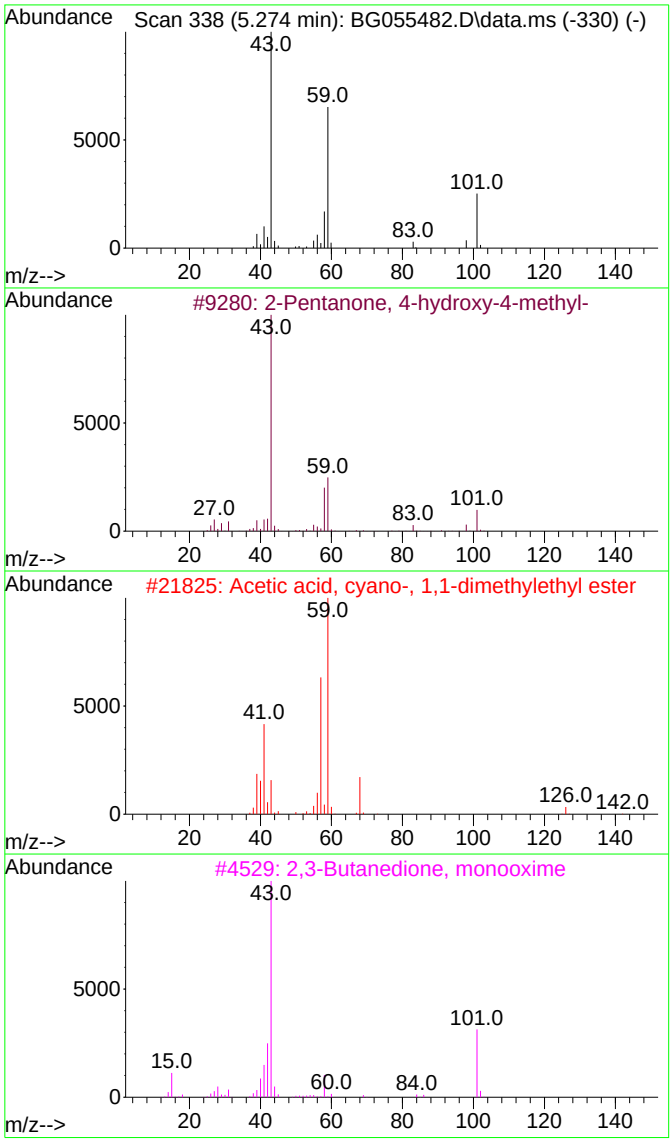
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

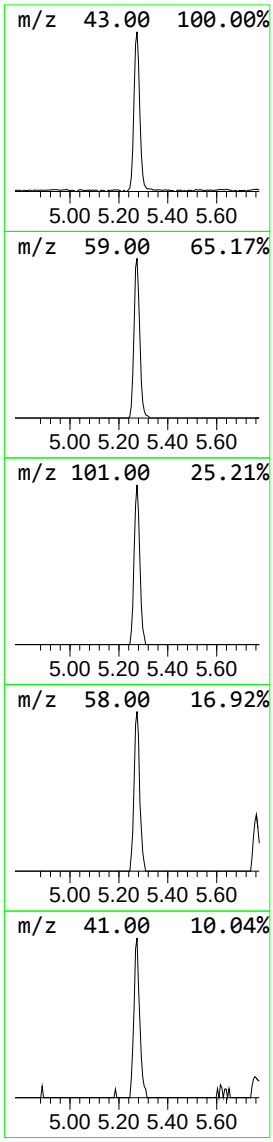
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.274 | 10.44 ng | 119156 | 1,4-Dichlorobenzene-d4 | 8.230 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 17 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

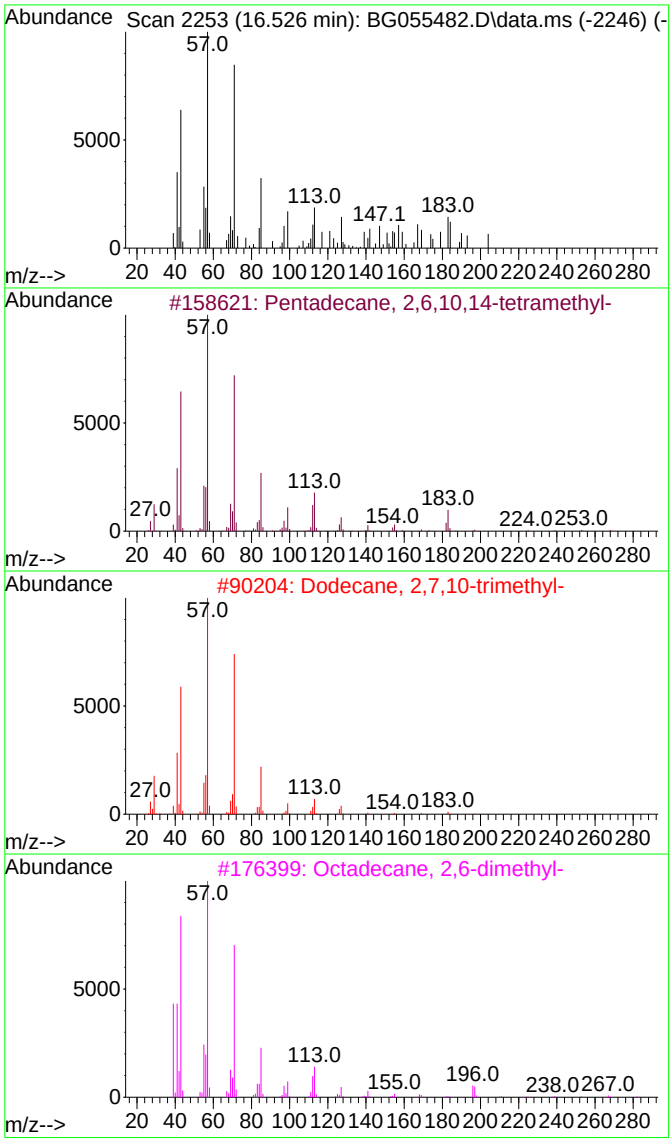
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

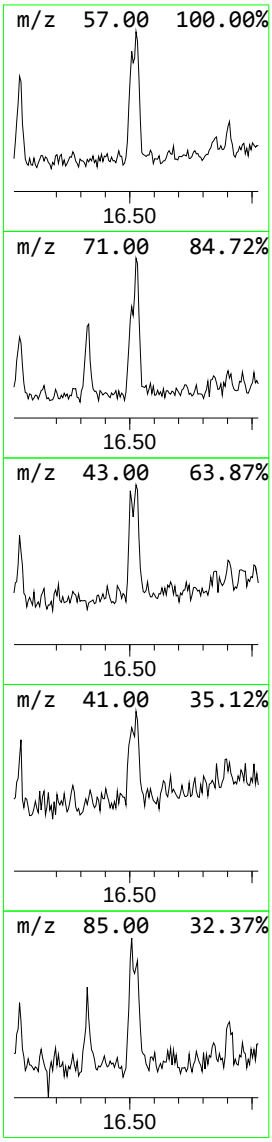
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.526 | 2.45 ng | 64676 | Phenanthrene-d10 | 17.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 64 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 59 |
| 3 | Octadecane, 2,6-dimethyl- | 282 | C20H42 | 075163-97-2 | 53 |
| 4 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 53 |
| 5 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

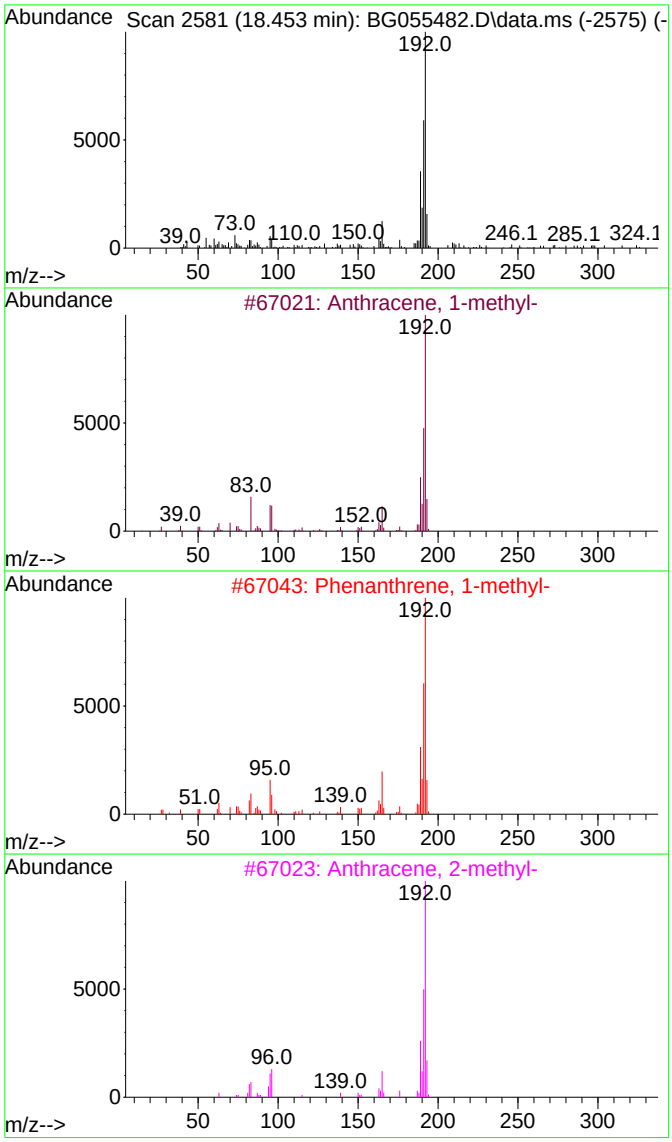
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

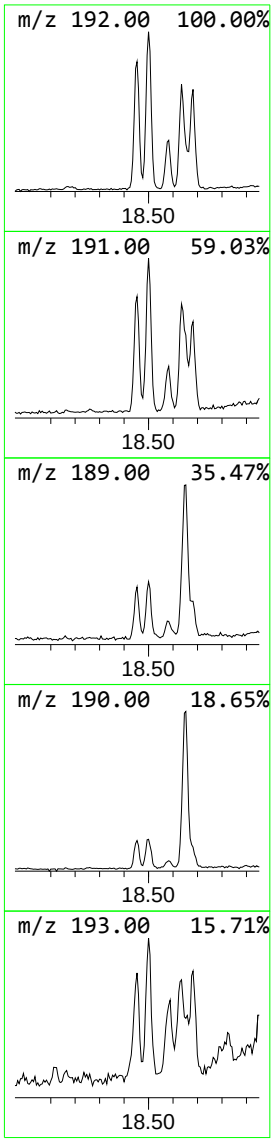
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Anthracene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.453 | 4.32 ng | 114172 | Phenanthrene-d10 | 17.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

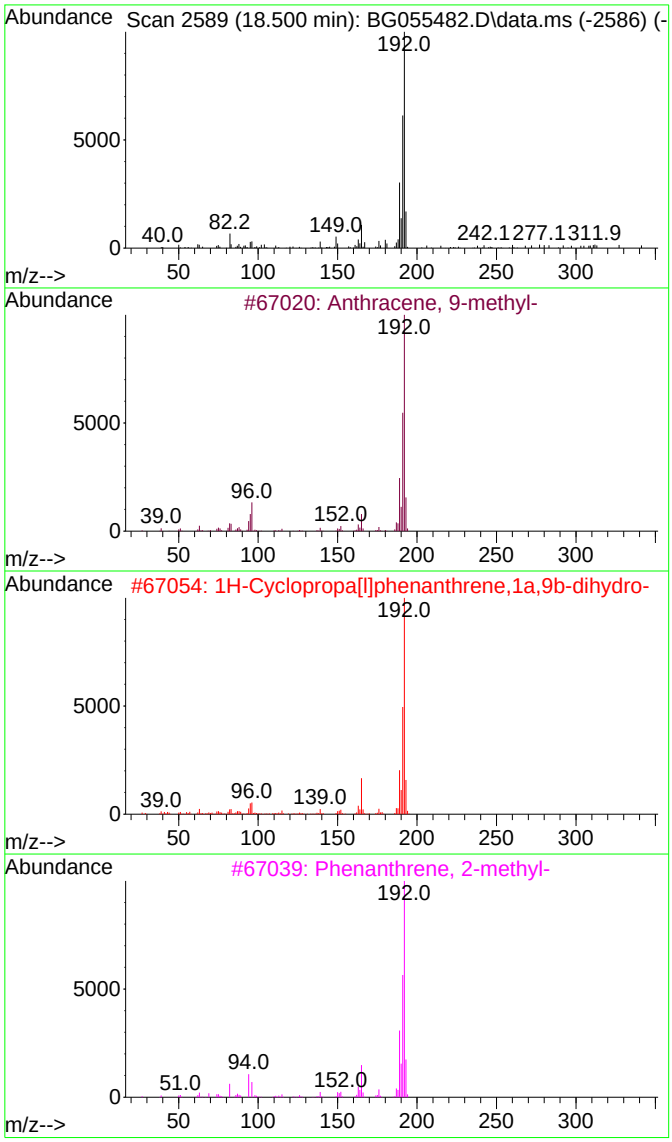
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

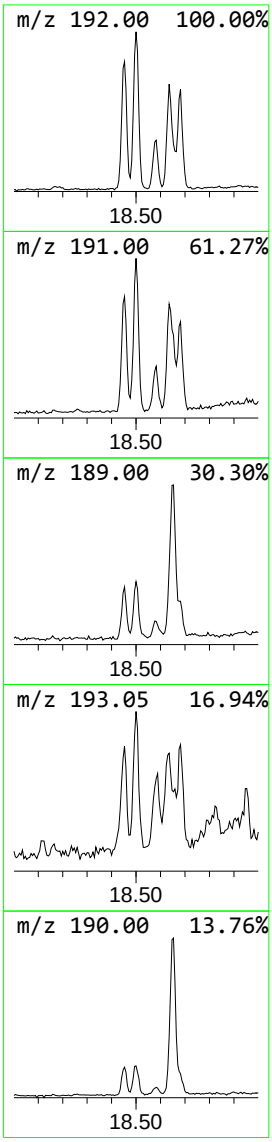
**********

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.500 | 3.09 ng | 81812 | Phenanthrene-d10 | 17.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 87 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 87 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
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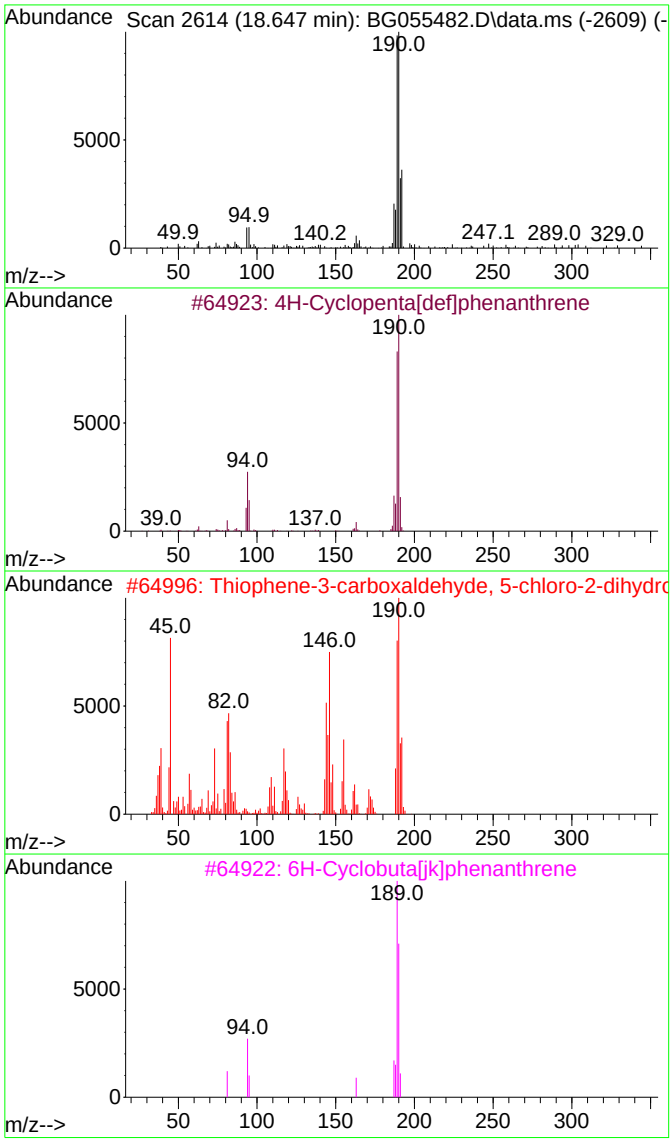
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

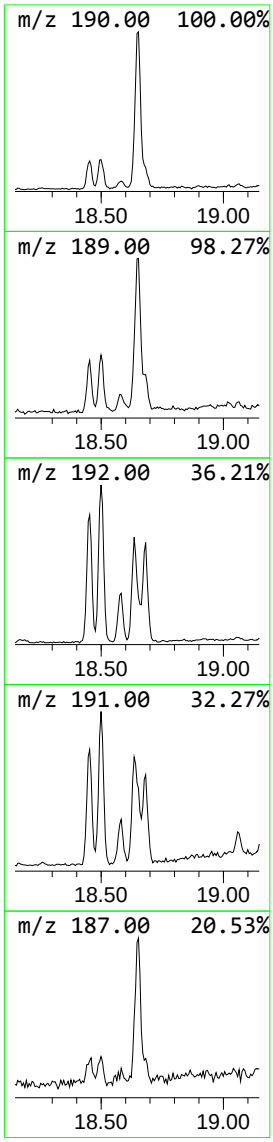
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.647 | 4.19 ng | 110785 | Phenanthrene-d10 | 17.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 74 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 72 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 72 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 5 | Phenol, 4-(2-thienylmethyl)- | 190 | C11H10OS | 091680-55-6 | 36 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055482.D
Acq On : 5 Nov 2022 23:11
Operator : CG/JU
Sample : N5459-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EO-03-110322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.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-... | 5.274 | 10.4 | ng | 119156 | 1 | 8.230 | 228295 | 20.0 |
| Pentadecane, 2,... | 16.526 | 2.5 | ng | 64676 | 4 | 17.583 | 528703 | 20.0 |
| Anthracene, 1-m... | 18.453 | 4.3 | ng | 114172 | 4 | 17.583 | 528703 | 20.0 |
| Anthracene, 9-m... | 18.500 | 3.1 | ng | 81812 | 4 | 17.583 | 528703 | 20.0 |
| 4H-Cyclopenta[d... | 18.647 | 4.2 | ng | 110785 | 4 | 17.583 | 528703 | 20.0 |