LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061083.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.076 | 9 | 15 | 23 | rVB6 | 12526 | 35470 | 5.21% | 0.553% |
| 2 | 3.164 | 23 | 30 | 40 | rVB5 | 6859 | 14855 | 2.18% | 0.232% |
| 3 | 5.526 | 424 | 432 | 440 | rBV | 71268 | 117189 | 17.21% | 1.828% |
| 4 | 7.107 | 695 | 701 | 712 | rBV | 75956 | 131426 | 19.31% | 2.050% |
| 5 | 7.935 | 836 | 842 | 849 | rBV | 131621 | 217936 | 32.01% | 3.399% |
| 6 | 9.087 | 1031 | 1038 | 1045 | rVB | 48727 | 86421 | 12.70% | 1.348% |
| 7 | 10.732 | 1307 | 1318 | 1324 | rBV | 163050 | 298839 | 43.90% | 4.661% |
| 8 | 11.913 | 1515 | 1519 | 1527 | rVB5 | 5594 | 10326 | 1.52% | 0.161% |
| 9 | 12.148 | 1554 | 1559 | 1564 | rBV5 | 7334 | 13233 | 1.94% | 0.206% |
| 10 | 12.389 | 1595 | 1600 | 1604 | rVB4 | 5898 | 10476 | 1.54% | 0.163% |
| 11 | 12.606 | 1631 | 1637 | 1639 | rBV5 | 6254 | 9677 | 1.42% | 0.151% |
| 12 | 12.635 | 1639 | 1642 | 1648 | rVB7 | 6748 | 12626 | 1.85% | 0.197% |
| 13 | 13.047 | 1709 | 1712 | 1718 | rBV8 | 3712 | 9238 | 1.36% | 0.144% |
| 14 | 13.111 | 1718 | 1723 | 1728 | rVV5 | 8180 | 13308 | 1.95% | 0.208% |
| 15 | 13.182 | 1729 | 1735 | 1741 | rVB | 133208 | 198485 | 29.16% | 3.096% |
| 16 | 13.393 | 1765 | 1771 | 1778 | rBV2 | 19758 | 30798 | 4.52% | 0.480% |
| 17 | 13.505 | 1785 | 1790 | 1795 | rVB7 | 6144 | 13437 | 1.97% | 0.210% |
| 18 | 13.728 | 1820 | 1828 | 1830 | rBV7 | 9142 | 17004 | 2.50% | 0.265% |
| 19 | 13.857 | 1843 | 1850 | 1851 | rBV6 | 4149 | 8839 | 1.30% | 0.138% |
| 20 | 13.887 | 1851 | 1855 | 1858 | rVV4 | 5048 | 8313 | 1.22% | 0.130% |
| 21 | 13.934 | 1860 | 1863 | 1867 | rVB6 | 4553 | 7016 | 1.03% | 0.109% |
| 22 | 14.028 | 1875 | 1879 | 1881 | rBV5 | 6217 | 8922 | 1.31% | 0.139% |
| 23 | 14.051 | 1881 | 1883 | 1887 | rVV4 | 7755 | 10215 | 1.50% | 0.159% |
| 24 | 14.286 | 1915 | 1923 | 1925 | rBV7 | 7443 | 15739 | 2.31% | 0.245% |
| 25 | 14.410 | 1941 | 1944 | 1949 | rVB5 | 5684 | 7259 | 1.07% | 0.113% |
| 26 | 14.469 | 1949 | 1954 | 1960 | rBV | 35503 | 49638 | 7.29% | 0.774% |
| 27 | 14.563 | 1963 | 1970 | 1977 | rVV | 237886 | 390192 | 57.32% | 6.086% |
| 28 | 14.627 | 1977 | 1981 | 1985 | rVB2 | 13087 | 21259 | 3.12% | 0.332% |
| 29 | 14.927 | 2026 | 2032 | 2035 | rBV8 | 6587 | 13164 | 1.93% | 0.205% |
| 30 | 14.968 | 2035 | 2039 | 2046 | rVB5 | 12468 | 24240 | 3.56% | 0.378% |
| 31 | 15.091 | 2056 | 2060 | 2064 | rVB7 | 11059 | 15957 | 2.34% | 0.249% |
| 32 | 15.221 | 2080 | 2082 | 2088 | rVB6 | 8028 | 11561 | 1.70% | 0.180% |
| 33 | 15.420 | 2112 | 2116 | 2121 | rVB | 56333 | 67446 | 9.91% | 1.052% |
| 34 | 15.608 | 2144 | 2148 | 2152 | rBV2 | 17895 | 29182 | 4.29% | 0.455% |
| 35 | 15.826 | 2179 | 2185 | 2190 | rVV2 | 26219 | 42823 | 6.29% | 0.668% |
| 36 | 15.979 | 2207 | 2211 | 2215 | rBV6 | 10562 | 17393 | 2.55% | 0.271% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.049 | 2217 | 2223 | 2232 | rVB2 | 115615 | 191681 | 28.16% | 2.990% |
| 38 | 16.284 | 2258 | 2263 | 2266 | rBV | 71190 | 107722 | 15.82% | 1.680% |
| 39 | 16.619 | 2316 | 2320 | 2325 | rBV7 | 9655 | 15400 | 2.26% | 0.240% |
| 40 | 16.666 | 2325 | 2328 | 2330 | rBV4 | 7423 | 8683 | 1.28% | 0.135% |
| 41 | 16.960 | 2377 | 2378 | 2383 | rVB5 | 7300 | 8205 | 1.21% | 0.128% |
| 42 | 17.077 | 2393 | 2398 | 2402 | rBV | 63243 | 84511 | 12.41% | 1.318% |
| 43 | 17.130 | 2403 | 2407 | 2416 | rVB3 | 35337 | 65318 | 9.60% | 1.019% |
| 44 | 17.312 | 2432 | 2438 | 2442 | rBV | 284969 | 454864 | 66.82% | 7.094% |
| 45 | 17.353 | 2442 | 2445 | 2450 | rVB | 83946 | 111799 | 16.42% | 1.744% |
| 46 | 17.442 | 2457 | 2460 | 2465 | rVB2 | 25207 | 40671 | 5.97% | 0.634% |
| 47 | 17.512 | 2465 | 2472 | 2475 | rVB7 | 13316 | 29380 | 4.32% | 0.458% |
| 48 | 17.547 | 2475 | 2478 | 2481 | rBV5 | 10735 | 14746 | 2.17% | 0.230% |
| 49 | 17.612 | 2487 | 2489 | 2494 | rVB6 | 9170 | 12209 | 1.79% | 0.190% |
| 50 | 17.818 | 2519 | 2524 | 2529 | rBV | 70363 | 92010 | 13.52% | 1.435% |
| 51 | 17.988 | 2548 | 2553 | 2558 | rVB | 83338 | 106107 | 15.59% | 1.655% |
| 52 | 18.205 | 2584 | 2590 | 2594 | rBV2 | 64440 | 112292 | 16.50% | 1.751% |
| 53 | 18.317 | 2607 | 2609 | 2612 | rVB3 | 12878 | 10347 | 1.52% | 0.161% |
| 54 | 18.382 | 2614 | 2620 | 2624 | rBV3 | 45343 | 80011 | 11.75% | 1.248% |
| 55 | 18.511 | 2638 | 2642 | 2647 | rBV | 62810 | 78697 | 11.56% | 1.227% |
| 56 | 18.687 | 2668 | 2672 | 2674 | rBV3 | 17770 | 23530 | 3.46% | 0.367% |
| 57 | 18.981 | 2717 | 2722 | 2726 | rBV7 | 18831 | 39628 | 5.82% | 0.618% |
| 58 | 19.128 | 2740 | 2747 | 2749 | rBV2 | 275618 | 377022 | 55.38% | 5.880% |
| 59 | 19.157 | 2749 | 2752 | 2756 | rVB | 234063 | 289212 | 42.48% | 4.511% |
| 60 | 19.292 | 2771 | 2775 | 2779 | rBV3 | 45974 | 59936 | 8.80% | 0.935% |
| 61 | 19.363 | 2780 | 2787 | 2796 | rBV | 327224 | 516723 | 75.91% | 8.059% |
| 62 | 19.721 | 2840 | 2848 | 2858 | rBV | 245394 | 485847 | 71.37% | 7.578% |
| 63 | 19.927 | 2879 | 2883 | 2888 | rVB | 229978 | 275418 | 40.46% | 4.296% |
| 64 | 20.738 | 3019 | 3021 | 3025 | rVB | 43419 | 48960 | 7.19% | 0.764% |
| 65 | 21.566 | 3155 | 3162 | 3167 | rBV3 | 323165 | 680745 | 100.00% | 10.617% |

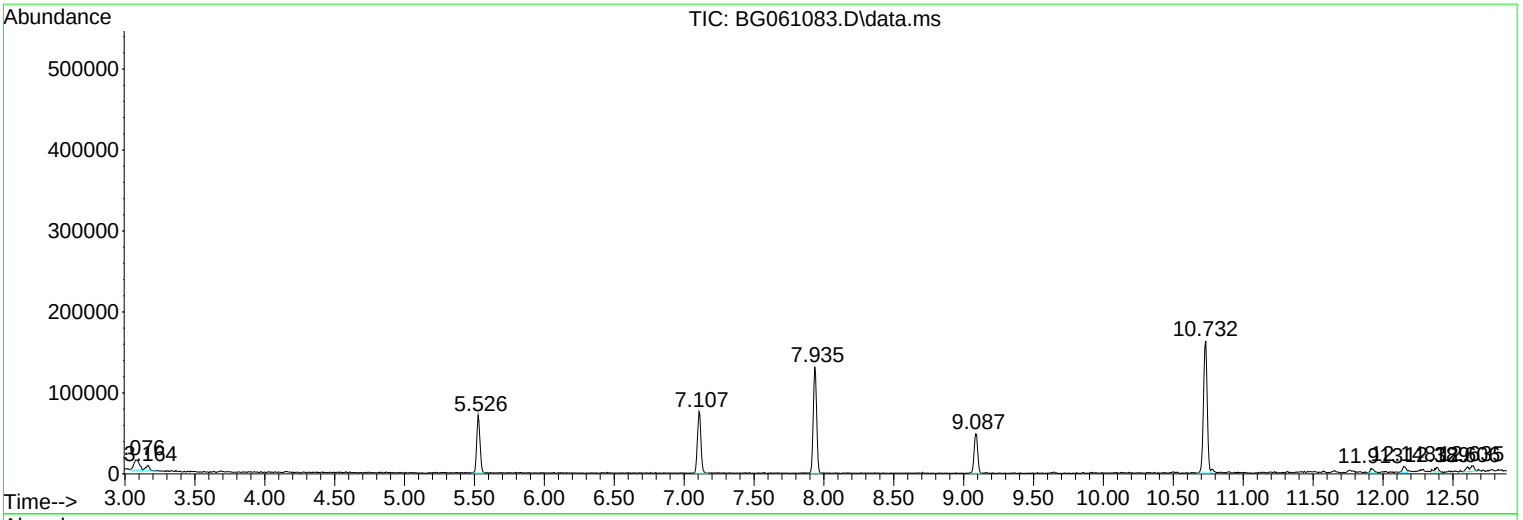
Sum of corrected areas: 6411576

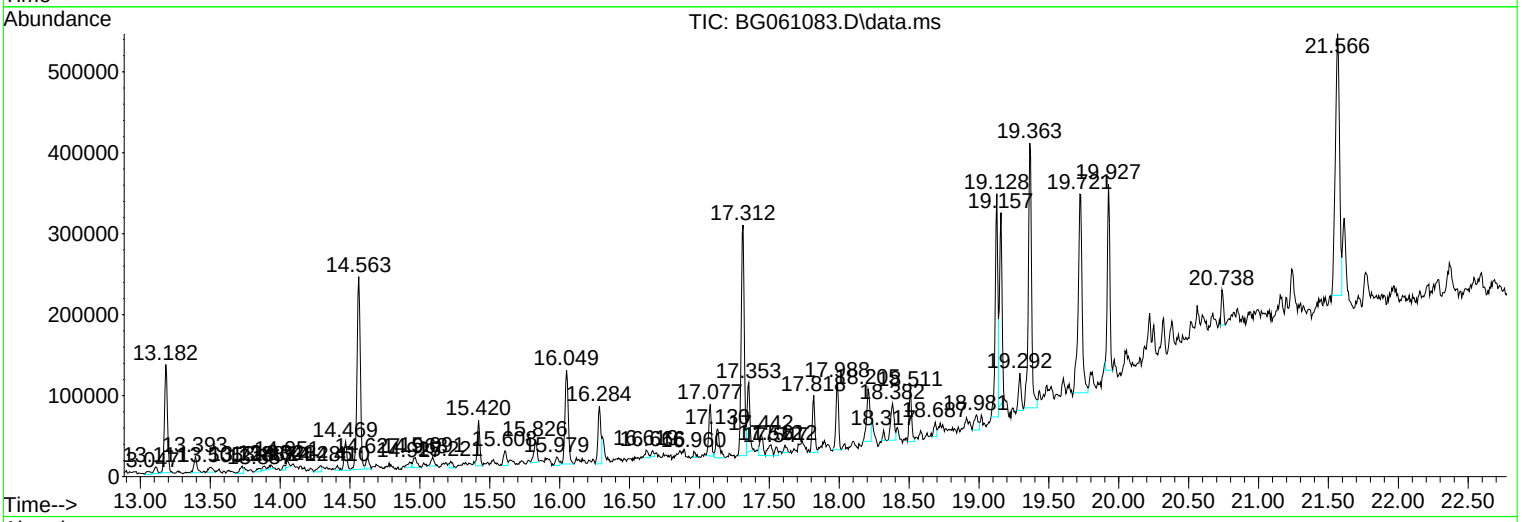
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

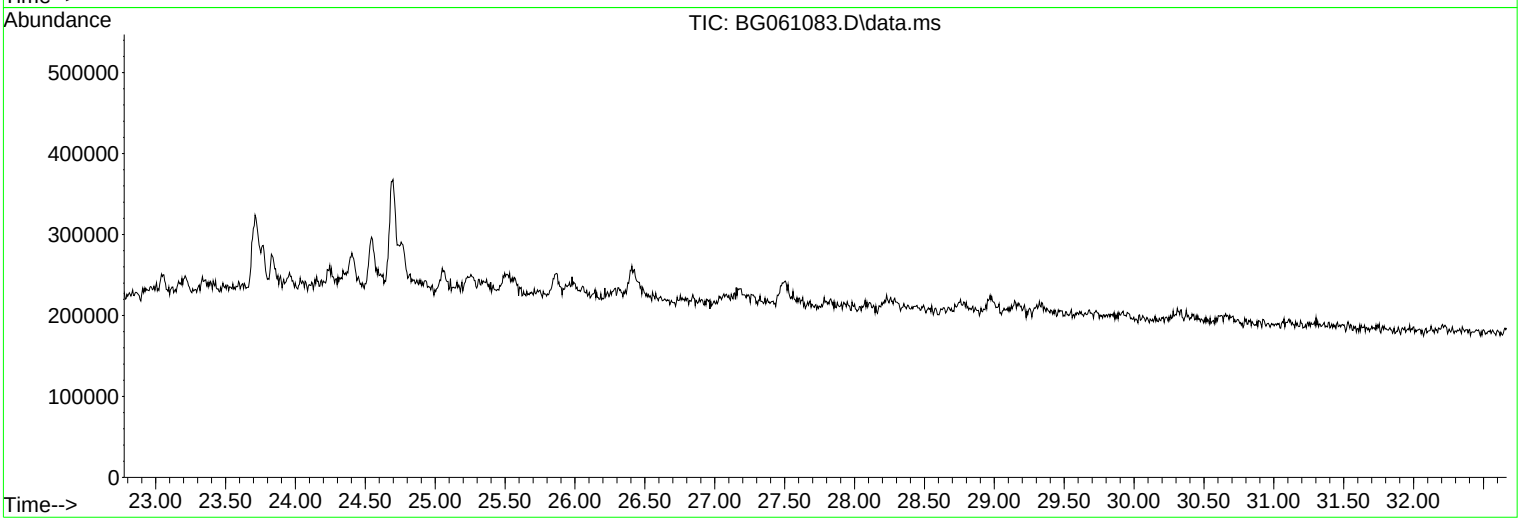
**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

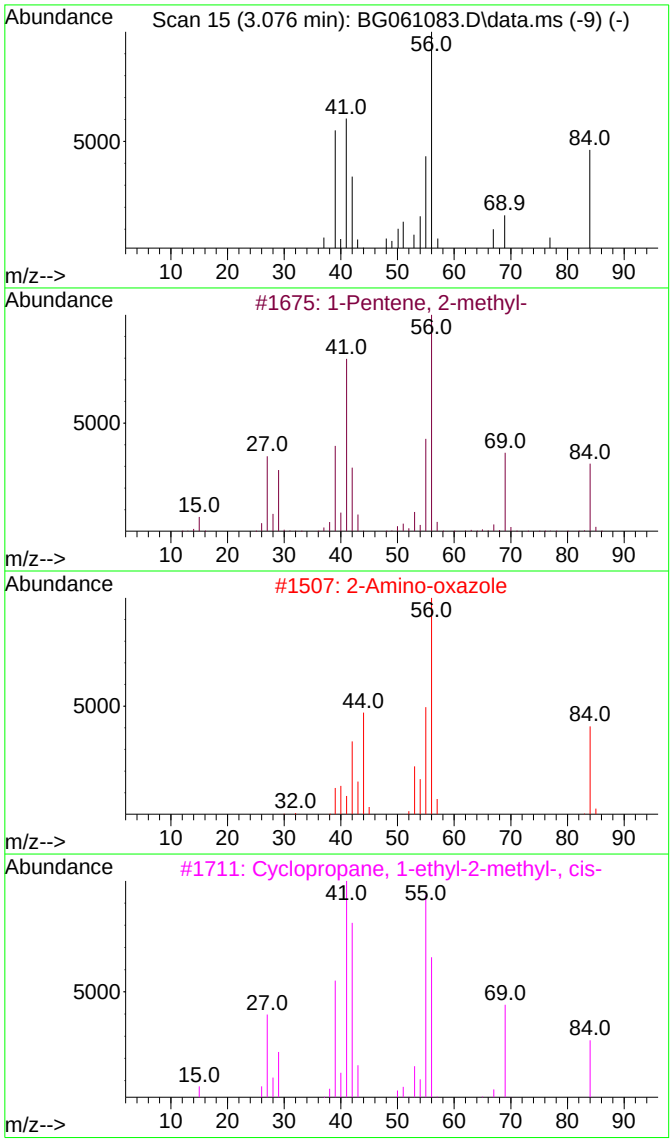
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

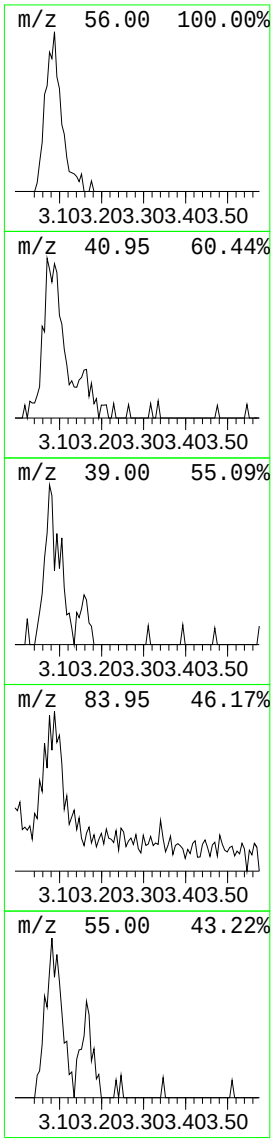
**********

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.076 | 3.26 ng | 35470 | 1,4-Dichlorobenzene-d4 | 7.935 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 64 |
| 2 | 2-Amino-oxazole | 84 | C3H4N2O | 004570-45-0 | 53 |
| 3 | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12 | 019781-68-1 | 47 |
| 4 | Cyclopropane, 1-ethyl-1-methyl- | 84 | C6H12 | 053778-43-1 | 42 |
| 5 | Cyanic acid, 2-methylpropyl ester | 99 | C5H9NO | 001768-25-8 | 40 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

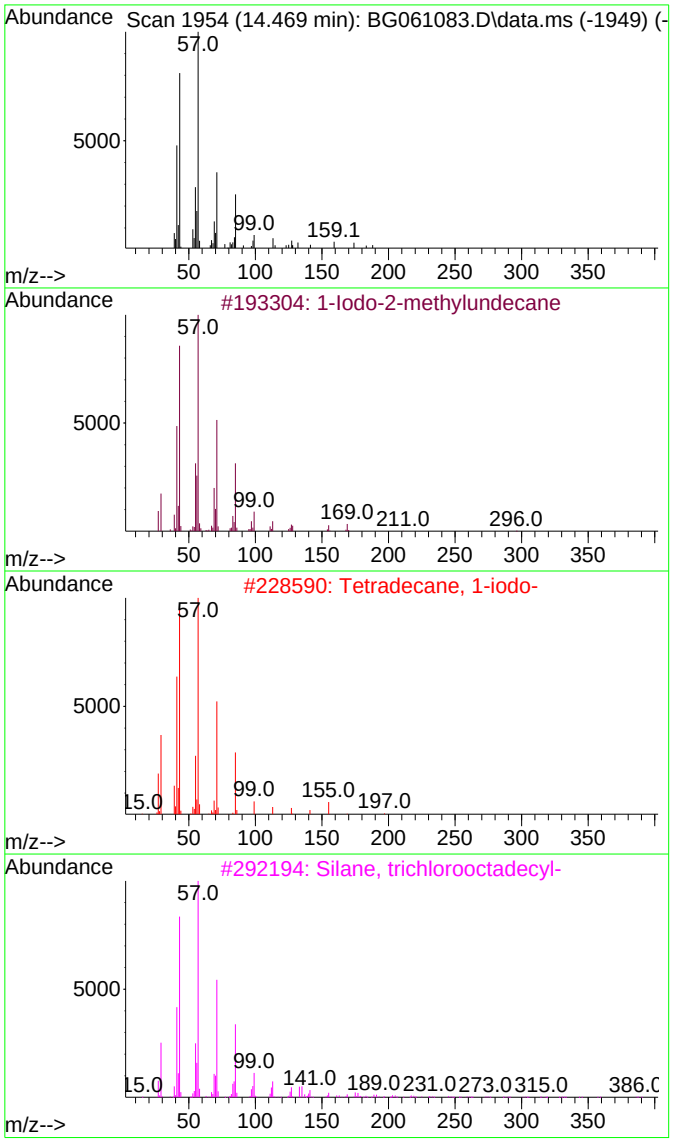
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

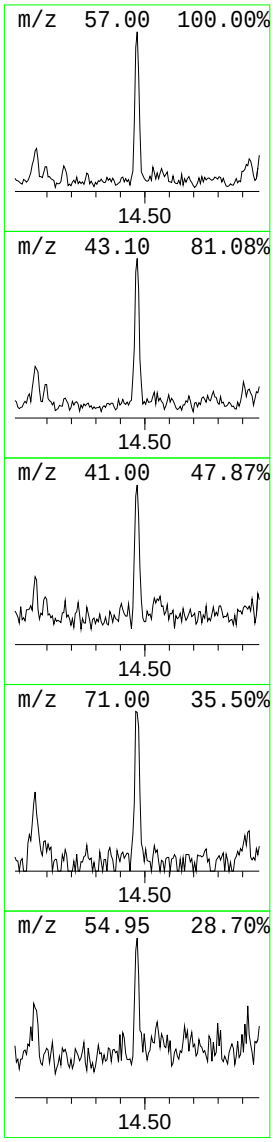
**********

Peak Number 2 1-Iodo-2-methylundecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.469 | 2.54 ng | 49638 | Acenaphthene-d10 | 14.563 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 72 |
| 2 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 64 |
| 3 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 64 |
| 4 | Sulfurous acid, 2-propyl tetrade... | 320 | C17H36O3S | 1010309-12-5 | 59 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

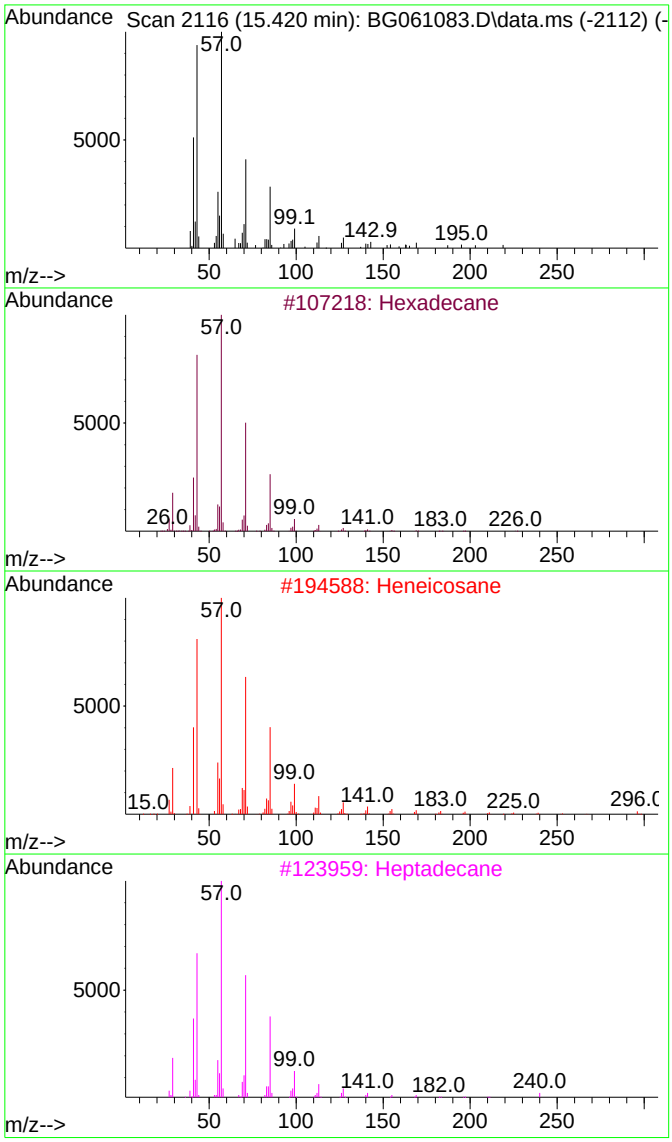
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

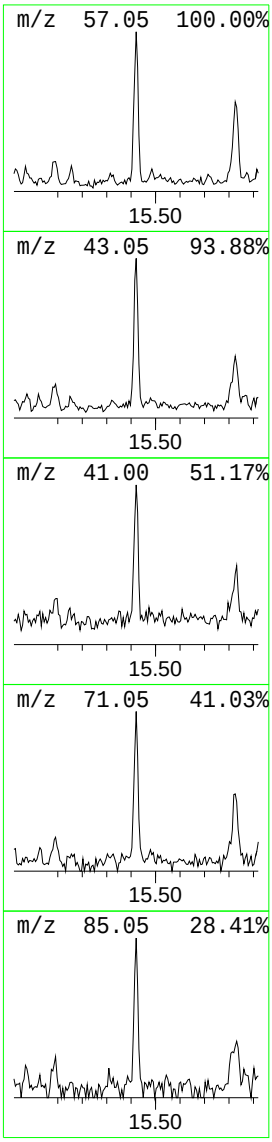
**********

Peak Number 3 Hexadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.420 | 3.46 ng | 67446 | Acenaphthene-d10 | 14.563 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 5 | Tetradecane, 2-methyl- | 212 | C15H32 | 001560-95-8 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

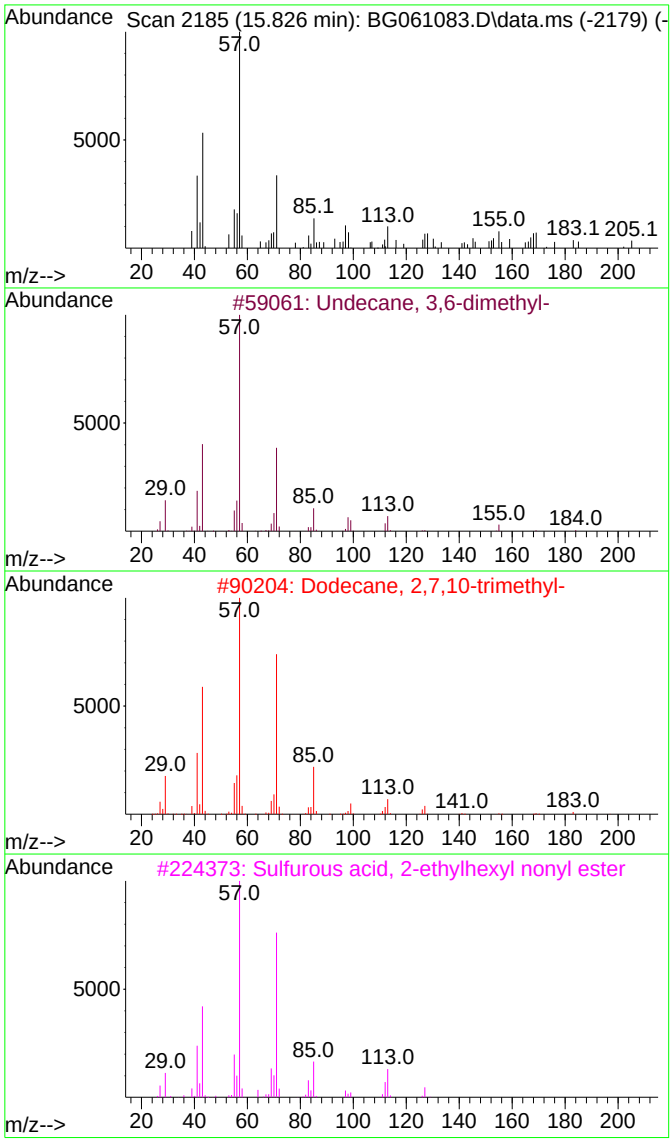
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

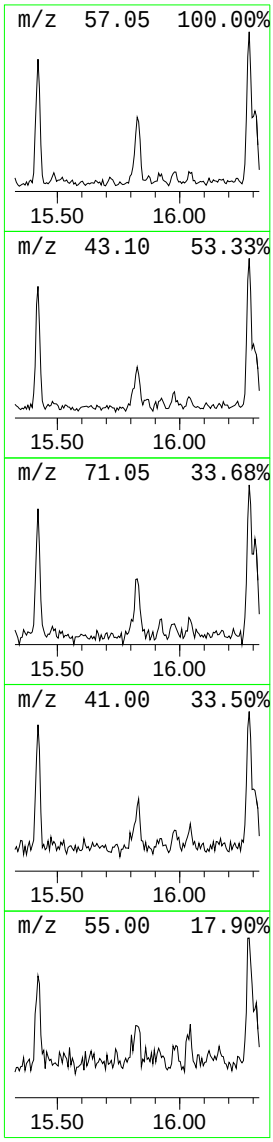
**********

Peak Number 4 unknown15.826 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.826 | 2.19 ng | 42823 | Acenaphthene-d10 | 14.563 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 3,6-dimethyl- | 184 | C13H28 | 017301-28-9 | 47 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 47 |
| 3 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1010309-19-2 | 47 |
| 4 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 47 |
| 5 | Decane, 2,6,8-trimethyl- | 184 | C13H28 | 062108-26-3 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

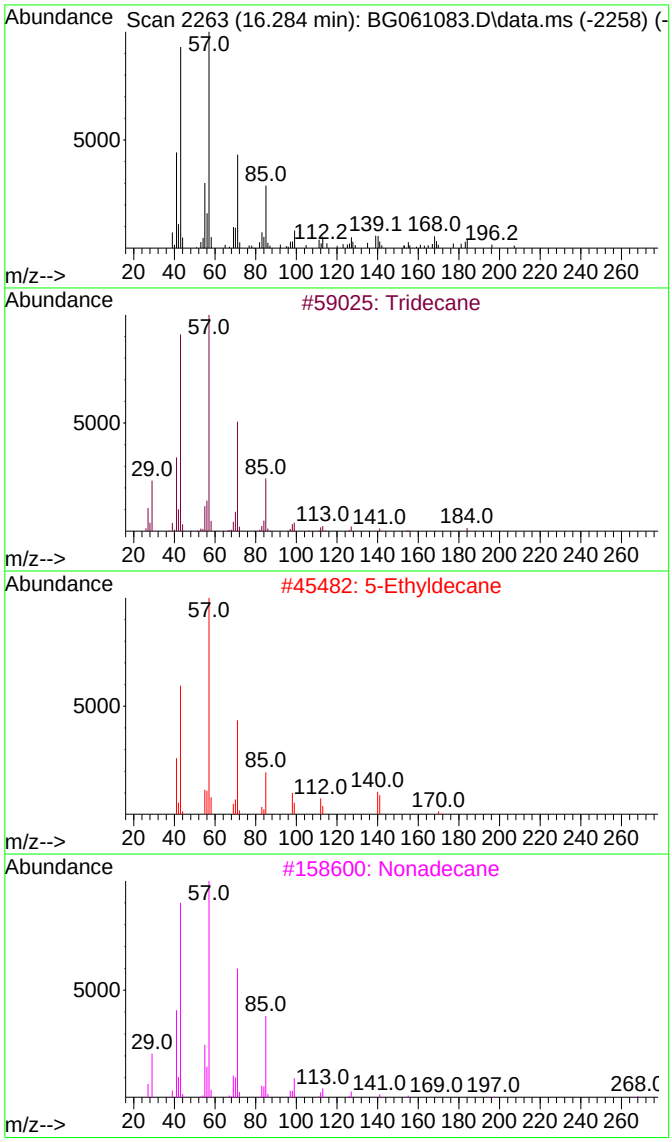
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

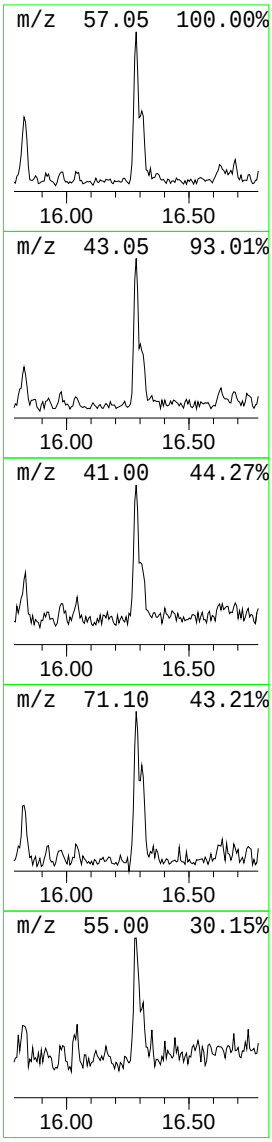
**********

Peak Number 5 Tridecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.284 | 4.74 ng | 107722 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 2 | 5-Ethyldecane | 170 | C12H26 | 017302-36-2 | 76 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 68 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 68 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

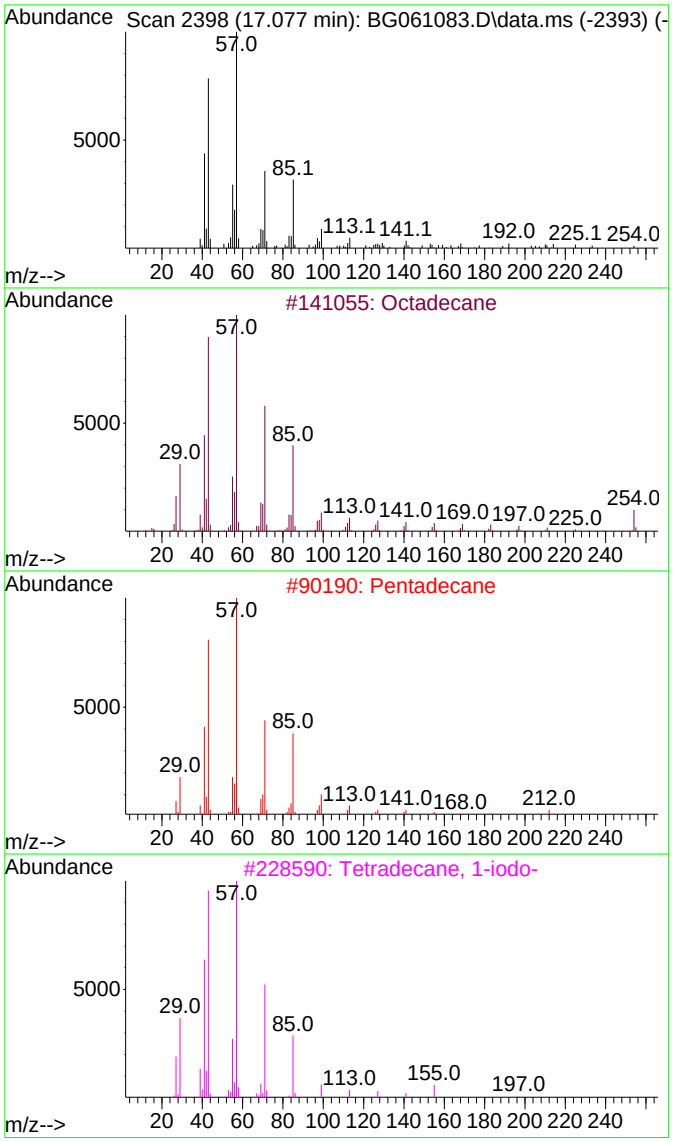
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

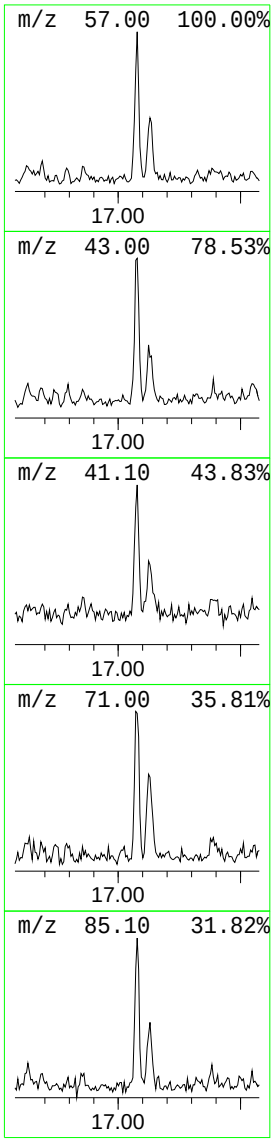
**********

Peak Number 6 Octadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.077 | 3.72 ng | 84511 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 72 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 59 |
| 5 | 3,5-Dimethyldodecane | 198 | C14H30 | 107770-99-0 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

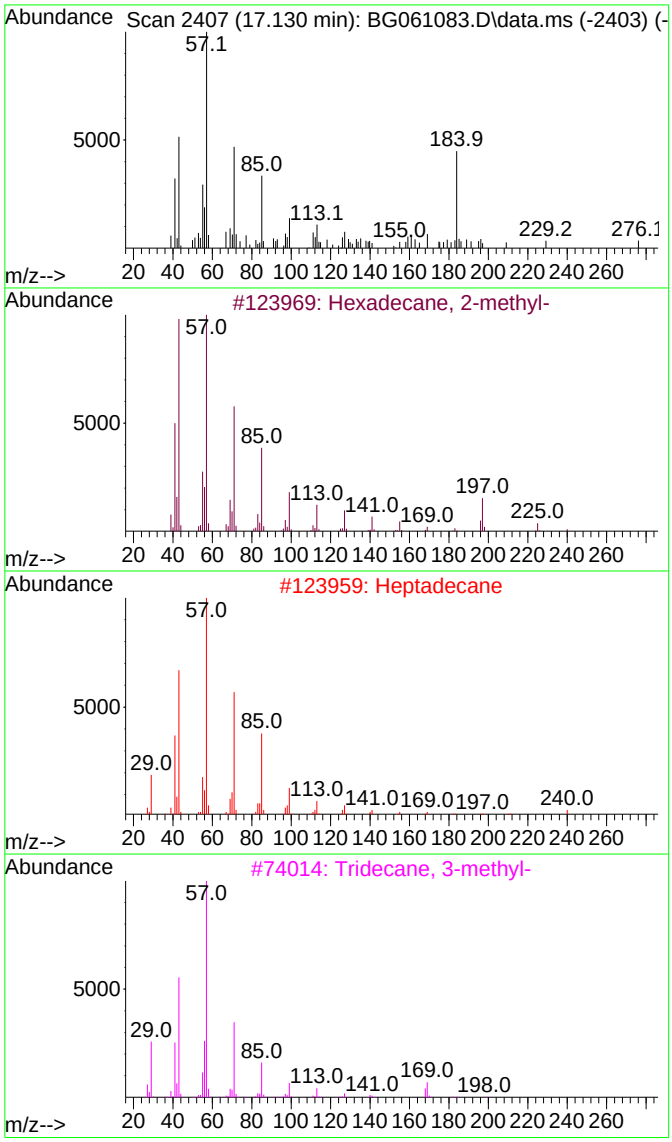
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

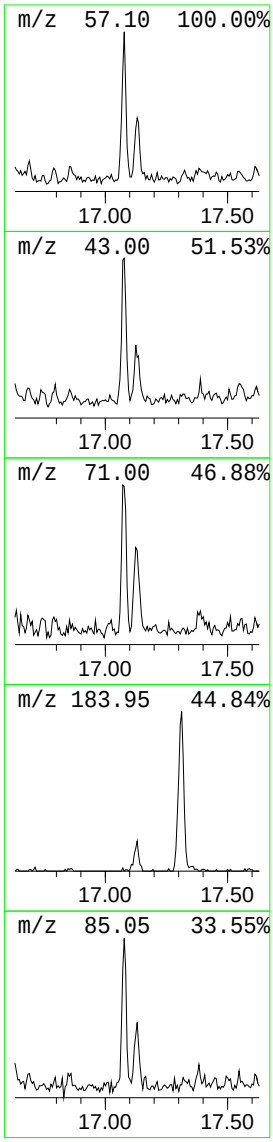
**********

Peak Number 7 unknown17.130 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.130 | 2.87 ng | 65318 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 49 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 47 |
| 3 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 47 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 47 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

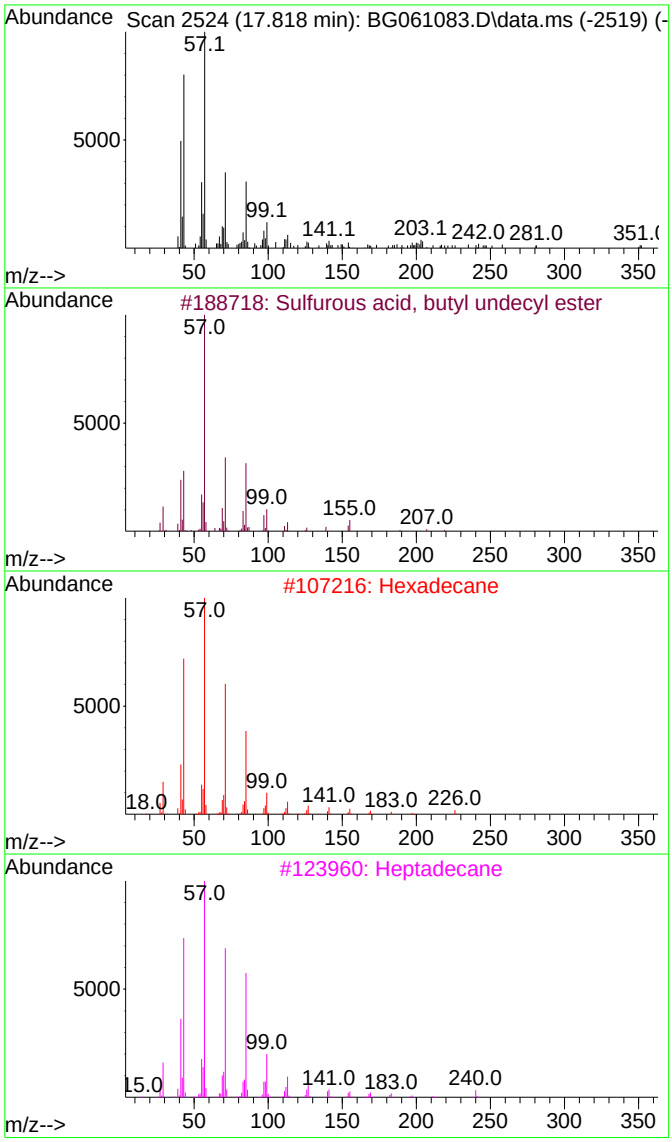
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

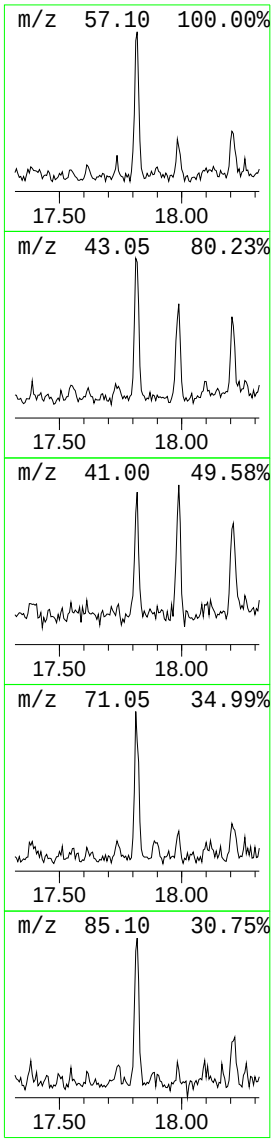
**********

Peak Number 8 Sulfurous acid, butyl undec... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.817 | 4.05 ng | 92010 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 72 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 70 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 70 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 64 |
| 5 | Undecane, 2,5-dimethyl- | 184 | C13H28 | 017301-22-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

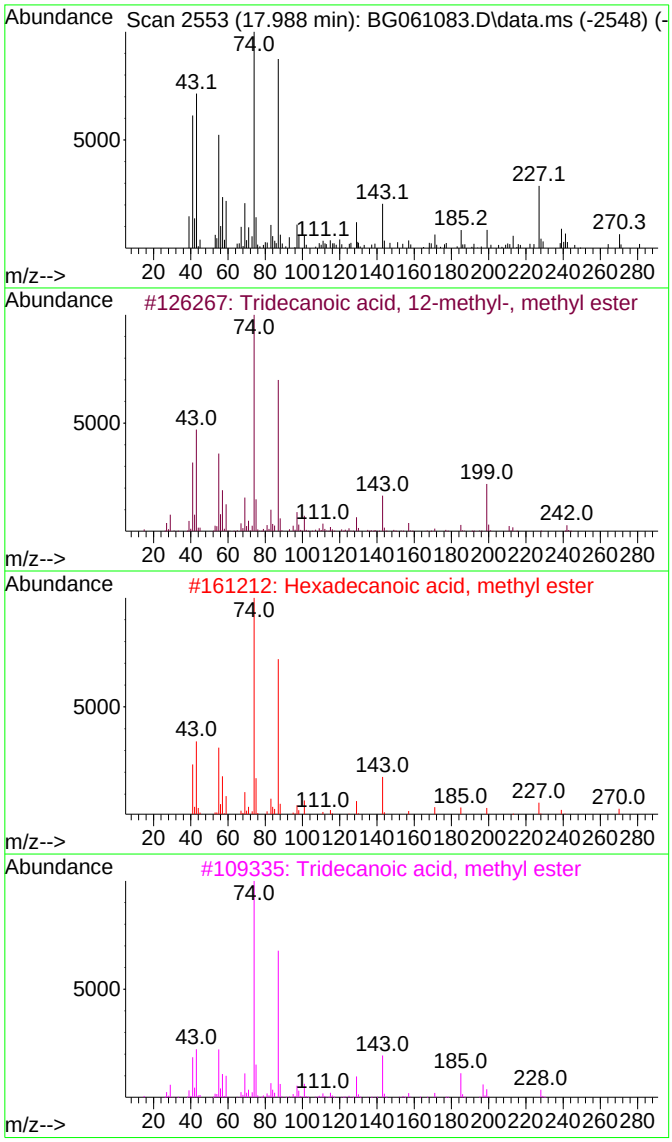
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

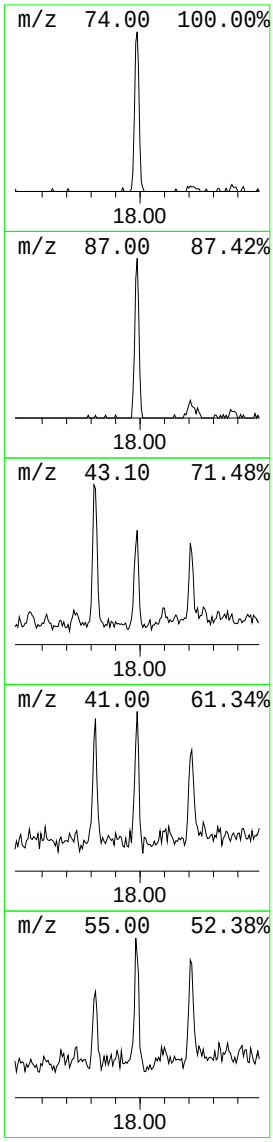
**********

Peak Number 9 Tridecanoic acid, 12-methyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.988 | 4.67 ng | 106107 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 90 |
| 2 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 87 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 81 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 81 |
| 5 | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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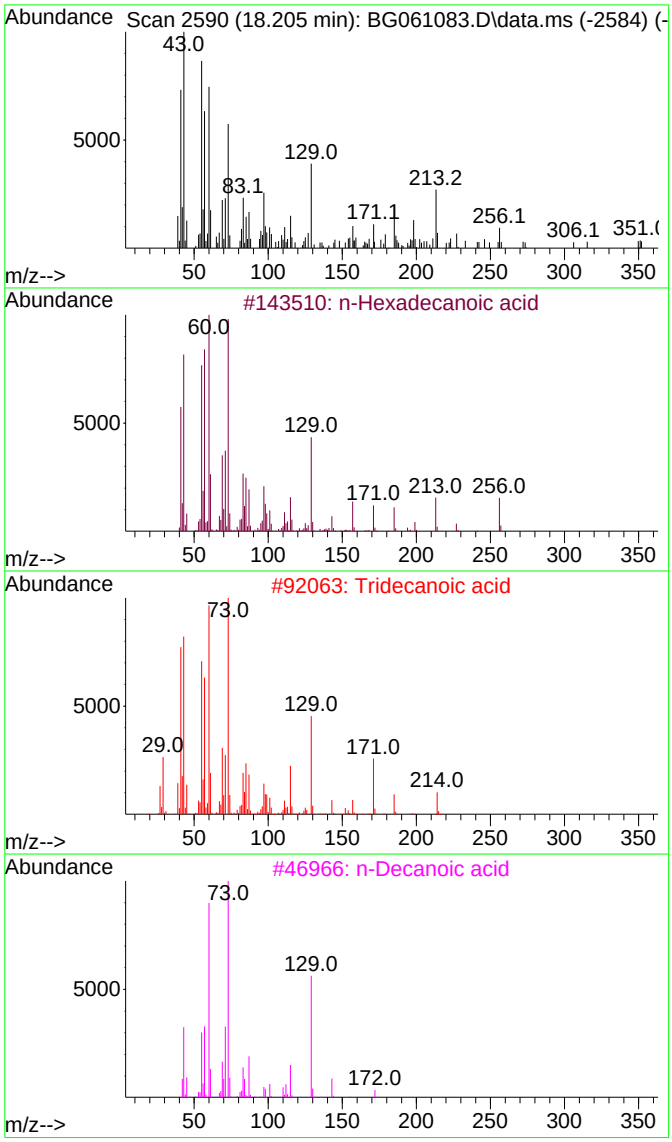
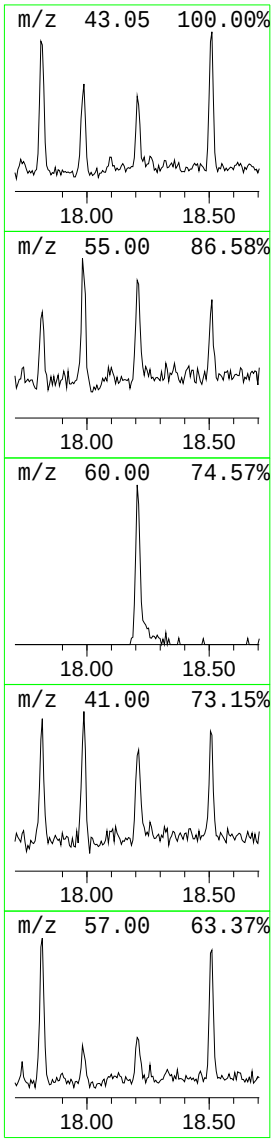
Peak Number 10 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.205 | 4.94 ng | 112292 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 47 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

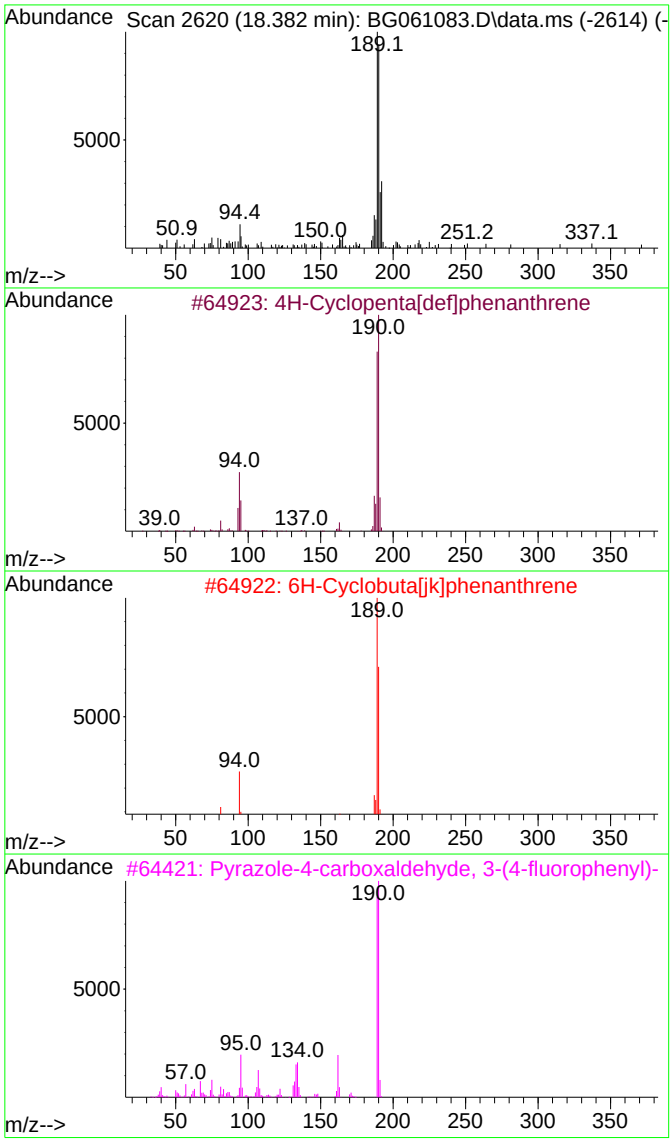
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

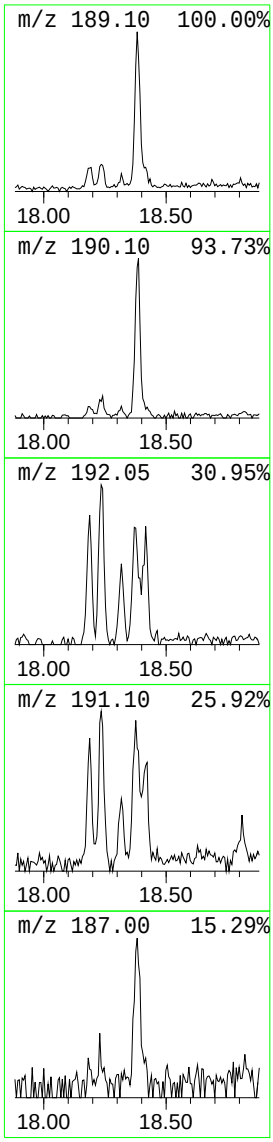
**********

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.382 | 3.52 ng | 80011 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 72 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 72 |
| 3 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 50 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |
| 5 | 1,1'-Biphenyl,3,3'-difluoro- | 190 | C12H8F2 | 000396-64-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

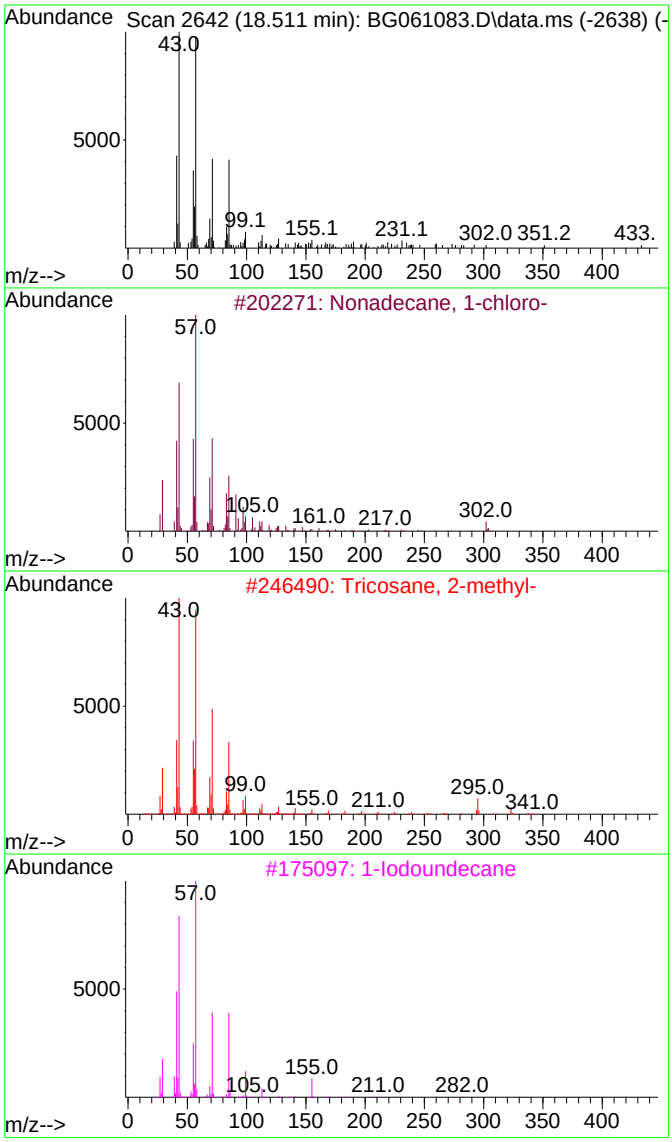
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

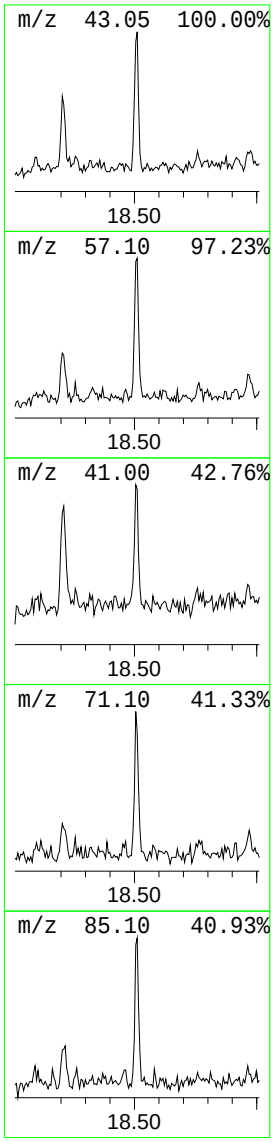
**********

Peak Number 12 Nonadecane, 1-chloro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.511 | 3.46 ng | 78697 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane, 1-chloro- | 302 | C19H39Cl | 062016-76-6 | 68 |
| 2 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 64 |
| 3 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 59 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 59 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

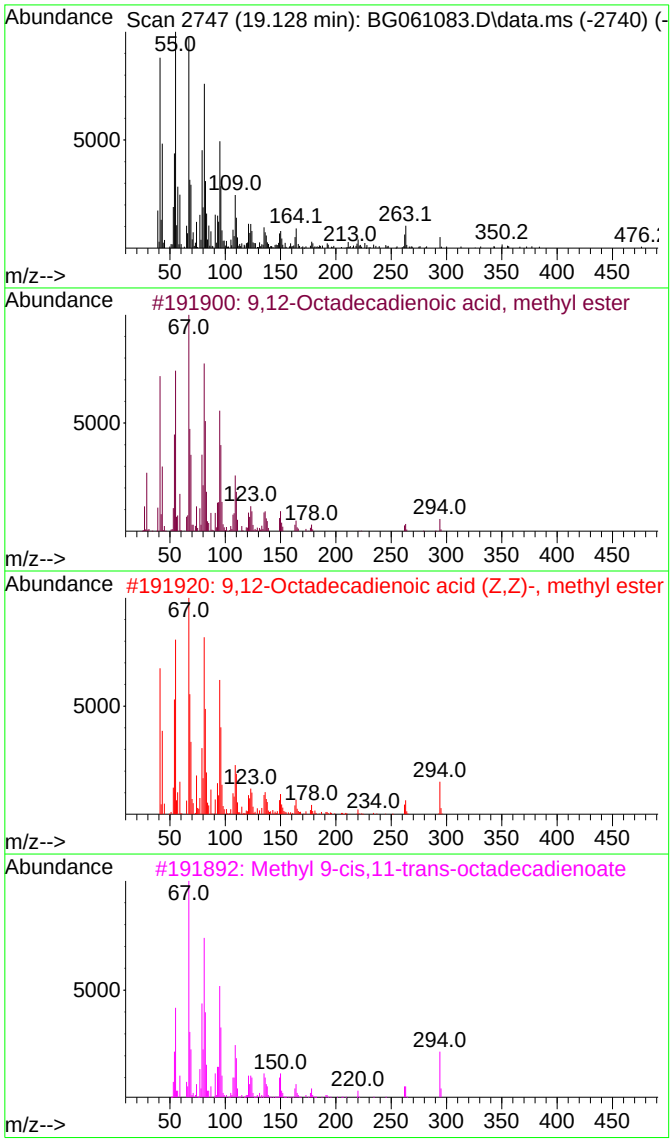
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

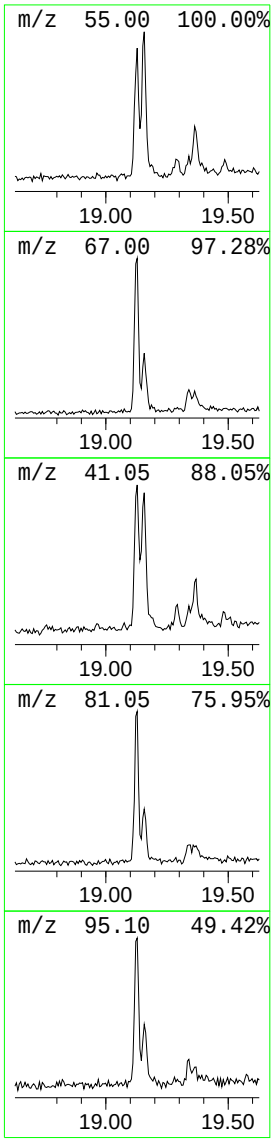
**********

Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.128 | 16.58 ng | 377022 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 95 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 95 |
| 3 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 013058-52-1 | 95 |
| 4 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 93 |
| 5 | 9,12-Octadecadienal | 264 | C18H32O | 026537-70-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

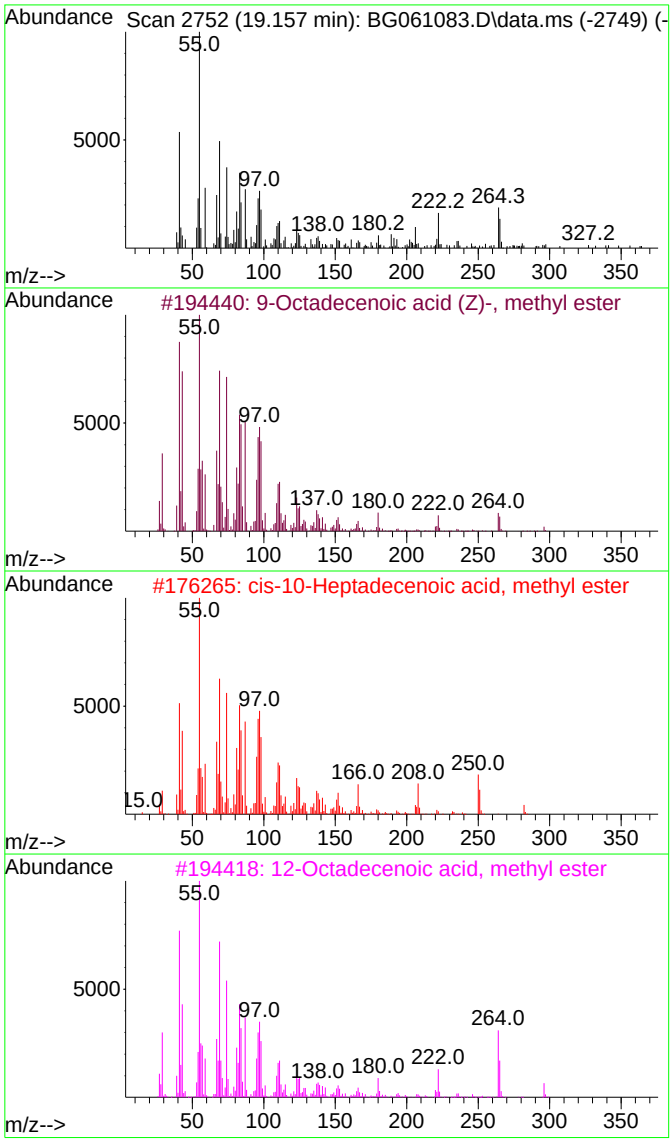
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

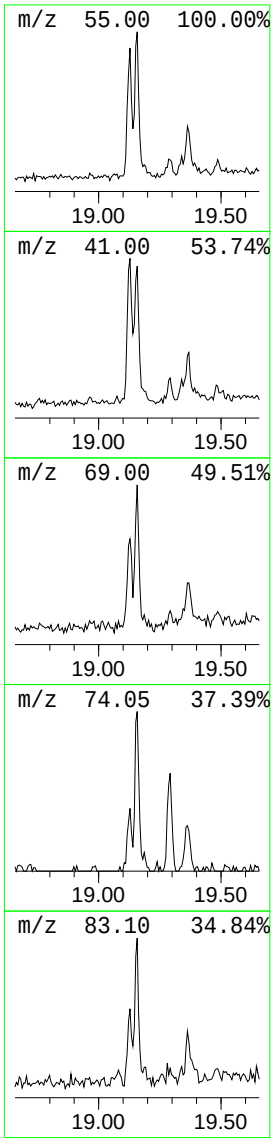
**********

Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.157 | 12.72 ng | 289212 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 97 |
| 2 | cis-10-Heptadecenoic acid, methy... | 282 | C18H34O2 | 1000333-62-1 | 91 |
| 3 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 87 |
| 4 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 81 |
| 5 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

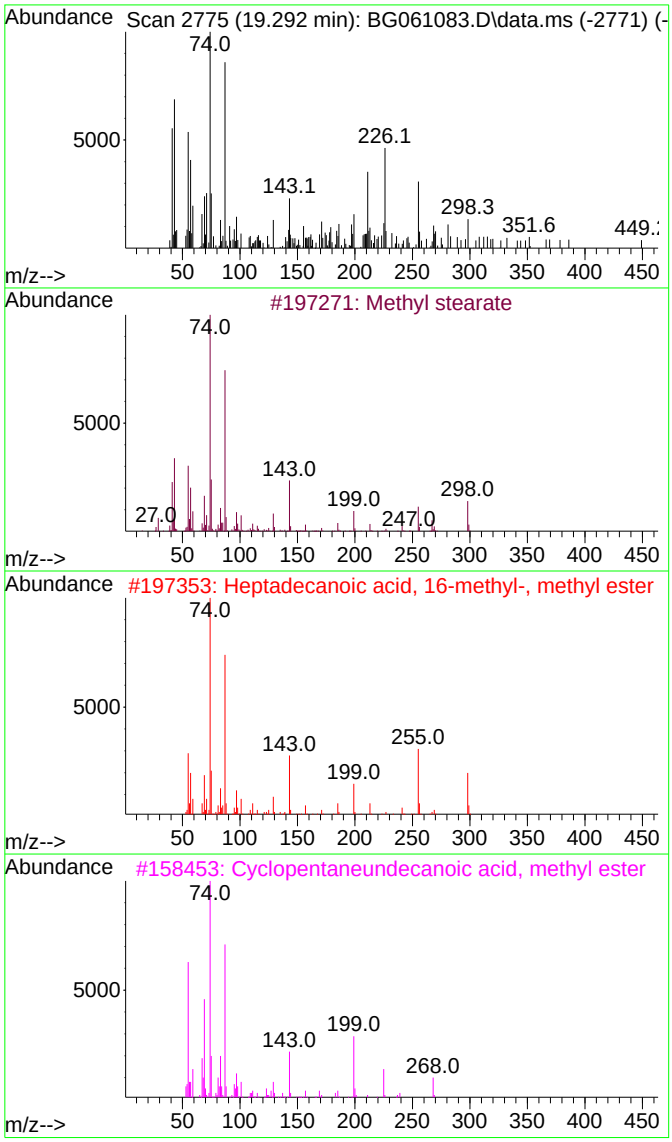
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

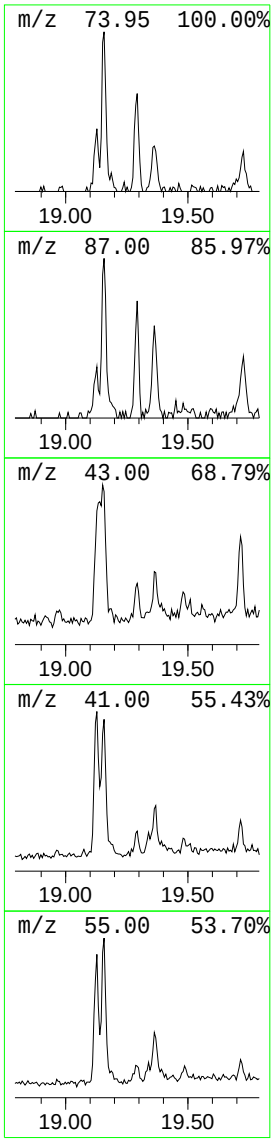
**********

Peak Number 15 Methyl stearate Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.292 | 2.64 ng | 59936 | Phenanthrene-d10 | 17.312 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 83 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 83 |
| 3 | Cyclopentaneundecanoic acid, met... | 268 | C17H32O2 | 025779-85-5 | 78 |
| 4 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 70 |
| 5 | Octadecanoic acid, 10-methyl-, m... | 312 | C20H40O2 | 002490-19-9 | 55 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061083.D
Acq On : 1 May 2024 19:32
Operator : MA/JU
Sample : P2326-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-02-043024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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 |
| 1-Pentene, 2-me... | 3.076 | 3.3 | ng | 35470 | 1 | 7.935 | 217936 | 20.0 |
| 1-Iodo-2-methyl... | 14.469 | 2.5 | ng | 49638 | 3 | 14.563 | 390192 | 20.0 |
| Hexadecane | 15.420 | 3.5 | ng | 67446 | 3 | 14.563 | 390192 | 20.0 |
| unknown15.826 | 15.826 | 2.2 | ng | 42823 | 3 | 14.563 | 390192 | 20.0 |
| Tridecane | 16.284 | 4.7 | ng | 107722 | 4 | 17.312 | 454864 | 20.0 |
| Octadecane | 17.077 | 3.7 | ng | 84511 | 4 | 17.312 | 454864 | 20.0 |
| unknown17.130 | 17.130 | 2.9 | ng | 65318 | 4 | 17.312 | 454864 | 20.0 |
| Sulfurous acid,... | 17.817 | 4.0 | ng | 92010 | 4 | 17.312 | 454864 | 20.0 |
| Tridecanoic aci... | 17.988 | 4.7 | ng | 106107 | 4 | 17.312 | 454864 | 20.0 |
| n-Hexadecanoic ... | 18.205 | 4.9 | ng | 112292 | 4 | 17.312 | 454864 | 20.0 |
| 4H-Cyclopenta[d... | 18.382 | 3.5 | ng | 80011 | 4 | 17.312 | 454864 | 20.0 |
| Nonadecane, 1-c... | 18.511 | 3.5 | ng | 78697 | 4 | 17.312 | 454864 | 20.0 |
| 9,12-Octadecadi... | 19.128 | 16.6 | ng | 377022 | 4 | 17.312 | 454864 | 20.0 |
| 9-Octadecenoic ... | 19.157 | 12.7 | ng | 289212 | 4 | 17.312 | 454864 | 20.0 |
| Methyl stearate | 19.292 | 2.6 | ng | 59936 | 4 | 17.312 | 454864 | 20.0 |