LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OK-01-040721

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_P\Methods\8270E-BP032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005246.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.287 | 369 | 374 | 382 | rVB | 94240 | 145530 | 22.22% | 2.607% |
| 2 | 6.875 | 638 | 644 | 656 | rVB | 73859 | 130727 | 19.96% | 2.341% |
| 3 | 7.687 | 776 | 782 | 790 | rVB | 107088 | 167949 | 25.65% | 3.008% |
| 4 | 8.852 | 971 | 980 | 989 | rBV | 44825 | 77597 | 11.85% | 1.390% |
| 5 | 10.481 | 1246 | 1257 | 1264 | rBV | 112494 | 198793 | 30.36% | 3.561% |
| 6 | 12.963 | 1673 | 1679 | 1687 | rVB | 94660 | 145419 | 22.21% | 2.605% |
| 7 | 14.069 | 1863 | 1867 | 1873 | rBV2 | 5831 | 8187 | 1.25% | 0.147% |
| 8 | 14.251 | 1896 | 1898 | 1903 | rVB4 | 7414 | 8431 | 1.29% | 0.151% |
| 9 | 14.351 | 1908 | 1915 | 1921 | rVV | 157584 | 237788 | 36.31% | 4.259% |
| 10 | 14.416 | 1921 | 1926 | 1934 | rVB | 13345 | 20937 | 3.20% | 0.375% |
| 11 | 14.751 | 1979 | 1983 | 1987 | rVB3 | 5494 | 7977 | 1.22% | 0.143% |
| 12 | 15.210 | 2057 | 2061 | 2066 | rVB3 | 8441 | 12103 | 1.85% | 0.217% |
| 13 | 15.404 | 2090 | 2094 | 2099 | rBV2 | 13950 | 19388 | 2.96% | 0.347% |
| 14 | 15.616 | 2126 | 2130 | 2135 | rBV8 | 4990 | 7815 | 1.19% | 0.140% |
| 15 | 15.851 | 2163 | 2170 | 2177 | rVB | 79535 | 118495 | 18.10% | 2.122% |
| 16 | 16.075 | 2204 | 2208 | 2219 | rBV4 | 13702 | 27824 | 4.25% | 0.498% |
| 17 | 16.769 | 2322 | 2326 | 2332 | rVB8 | 4858 | 7638 | 1.17% | 0.137% |
| 18 | 16.875 | 2340 | 2344 | 2348 | rVV | 12491 | 15006 | 2.29% | 0.269% |
| 19 | 16.928 | 2350 | 2353 | 2361 | rVB2 | 12102 | 19087 | 2.91% | 0.342% |
| 20 | 17.110 | 2378 | 2384 | 2388 | rBV | 198718 | 290493 | 44.36% | 5.203% |
| 21 | 17.151 | 2388 | 2391 | 2398 | rVB | 103465 | 146053 | 22.30% | 2.616% |
| 22 | 17.245 | 2403 | 2407 | 2412 | rVB | 30690 | 42673 | 6.52% | 0.764% |
| 23 | 17.310 | 2412 | 2418 | 2422 | rBV7 | 6901 | 13267 | 2.03% | 0.238% |
| 24 | 17.528 | 2451 | 2455 | 2461 | rVB2 | 12926 | 18707 | 2.86% | 0.335% |
| 25 | 17.616 | 2467 | 2470 | 2475 | rBV2 | 14126 | 18022 | 2.75% | 0.323% |
| 26 | 17.663 | 2475 | 2478 | 2482 | rVB2 | 23004 | 25934 | 3.96% | 0.465% |
| 27 | 17.792 | 2495 | 2500 | 2505 | rBV | 245209 | 274336 | 41.90% | 4.914% |
| 28 | 17.986 | 2529 | 2533 | 2535 | rBV | 15088 | 21542 | 3.29% | 0.386% |
| 29 | 18.016 | 2535 | 2538 | 2539 | rBV2 | 16159 | 17535 | 2.68% | 0.314% |
| 30 | 18.110 | 2551 | 2554 | 2560 | rBV2 | 9669 | 13250 | 2.02% | 0.237% |
| 31 | 18.180 | 2560 | 2566 | 2570 | rBV2 | 26567 | 51057 | 7.80% | 0.914% |
| 32 | 18.298 | 2582 | 2586 | 2589 | rBV3 | 16410 | 21452 | 3.28% | 0.384% |
| 33 | 18.475 | 2614 | 2616 | 2619 | rVB3 | 10026 | 10245 | 1.56% | 0.183% |
| 34 | 18.522 | 2620 | 2624 | 2627 | rVV5 | 9316 | 13075 | 2.00% | 0.234% |
| 35 | 18.904 | 2682 | 2689 | 2691 | rBV | 422232 | 537975 | 82.16% | 9.636% |
| 36 | 18.933 | 2691 | 2694 | 2698 | rVB | 599199 | 654811 | 100.00% | 11.728% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OK-01-040721

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_P\Methods\8270E-BP032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 19.063 | 2712 | 2716 | 2720 | rVB | 110246 | 114357 | 17.46% | 2.048% |
| 38 | 19.139 | 2724 | 2729 | 2736 | rVV | 181309 | 244249 | 37.30% | 4.375% |
| 39 | 19.492 | 2780 | 2789 | 2798 | rBV | 152061 | 278189 | 42.48% | 4.983% |
| 40 | 19.686 | 2817 | 2822 | 2827 | rBV | 212053 | 262087 | 40.02% | 4.694% |
| 41 | 20.127 | 2895 | 2897 | 2900 | rVB3 | 23915 | 23080 | 3.52% | 0.413% |
| 42 | 20.998 | 3041 | 3045 | 3050 | rVB | 86695 | 104546 | 15.97% | 1.873% |
| 43 | 21.216 | 3076 | 3082 | 3085 | rBV2 | 356822 | 536731 | 81.97% | 9.613% |
| 44 | 21.251 | 3086 | 3088 | 3095 | rVB | 103460 | 113461 | 17.33% | 2.032% |
| 45 | 23.498 | 3465 | 3470 | 3476 | rVB2 | 213120 | 359325 | 54.87% | 6.436% |

Sum of corrected areas: 5583143

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
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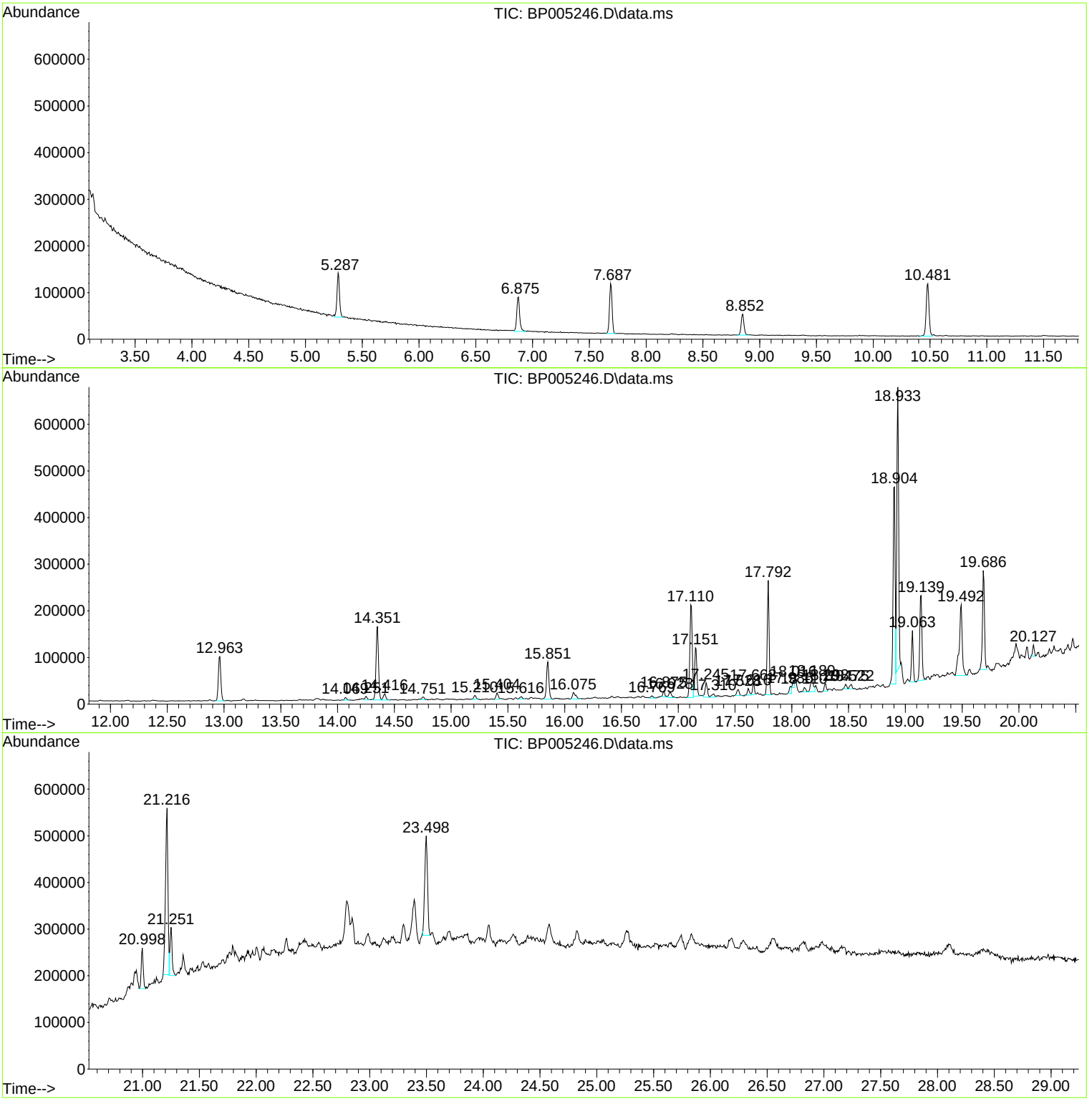
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OK-01-040721

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OK-01-040721

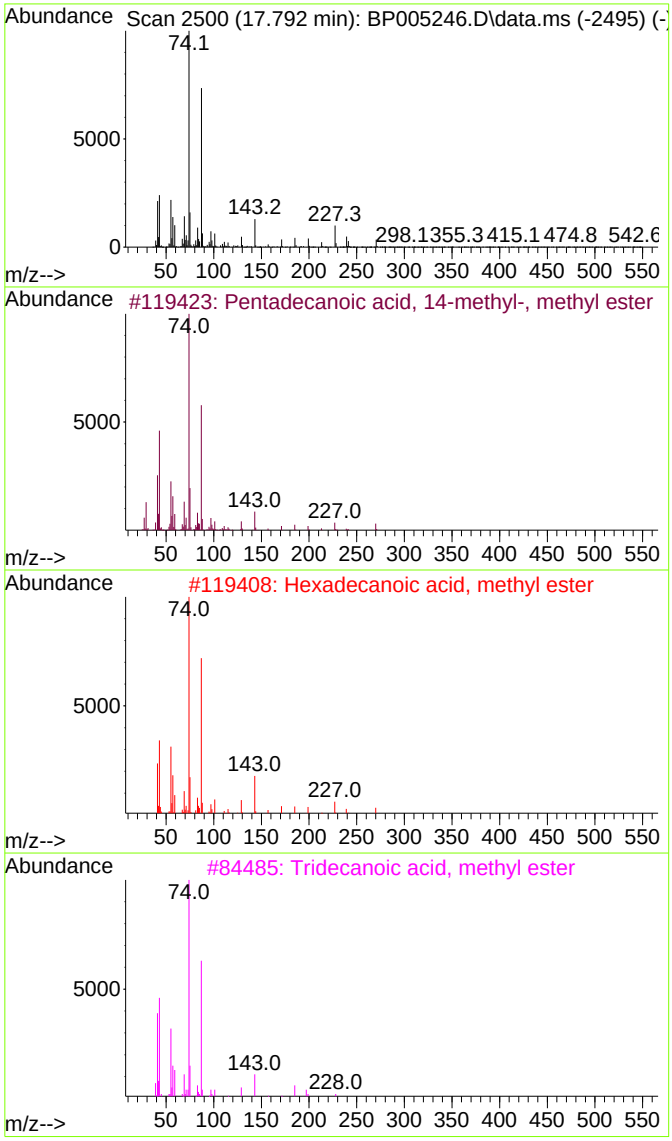
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

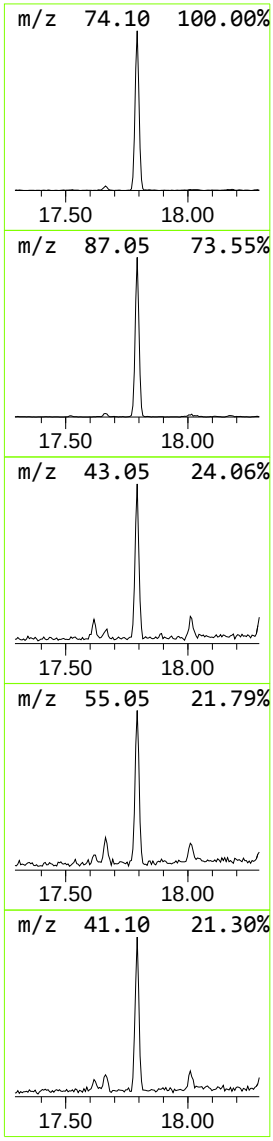
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Pentadecanoic acid, 14-meth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.792 | 18.89 ng | 274336 | Phenanthrene-d10 | 17.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95 |
| 2 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 94 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 5 | Hexadecanoic acid, 2-methyl- | 270 | C17H34O2 | 027147-71-3 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OK-01-040721

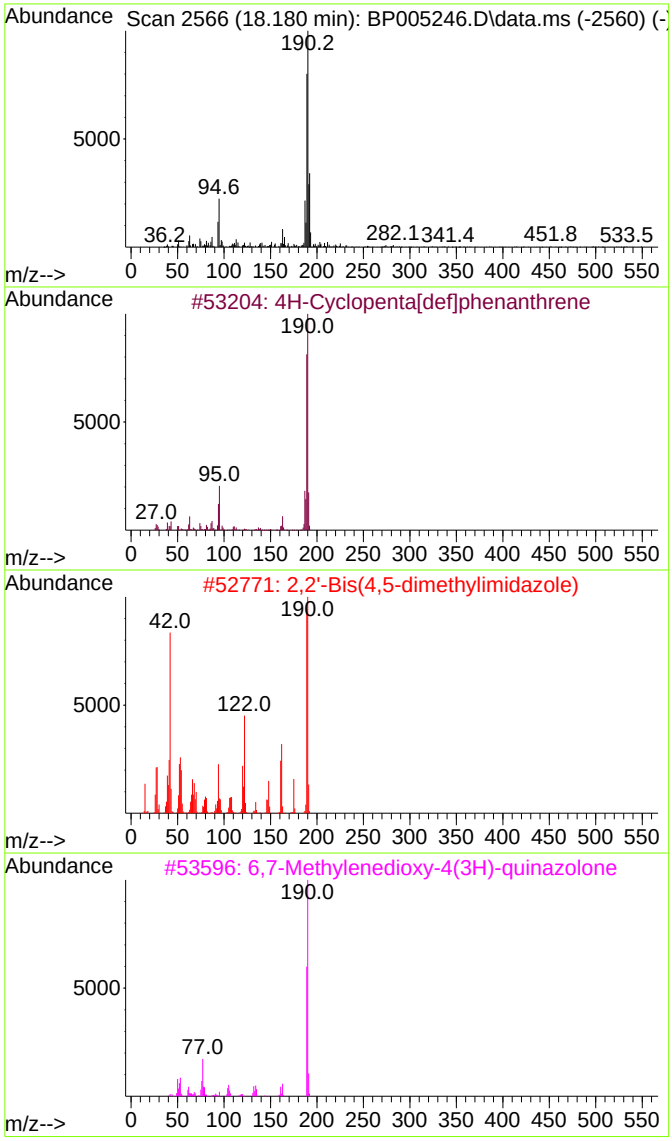
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

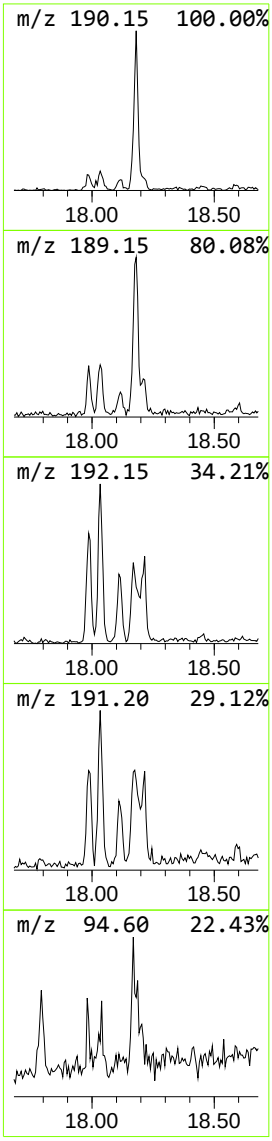
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.180 | 3.52 ng | 51057 | Phenanthrene-d10 | 17.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |
| 3 | 6,7-Methylenedioxy-4(3H)-quinazo... | 190 | C9H6N2O3 | 028310-11-4 | 33 |
| 4 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |
| 5 | Carbonic acid, 2-formyl-4,6-dich... | 276 | C11H10Cl2O4 | 1000331-39-3 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OK-01-040721

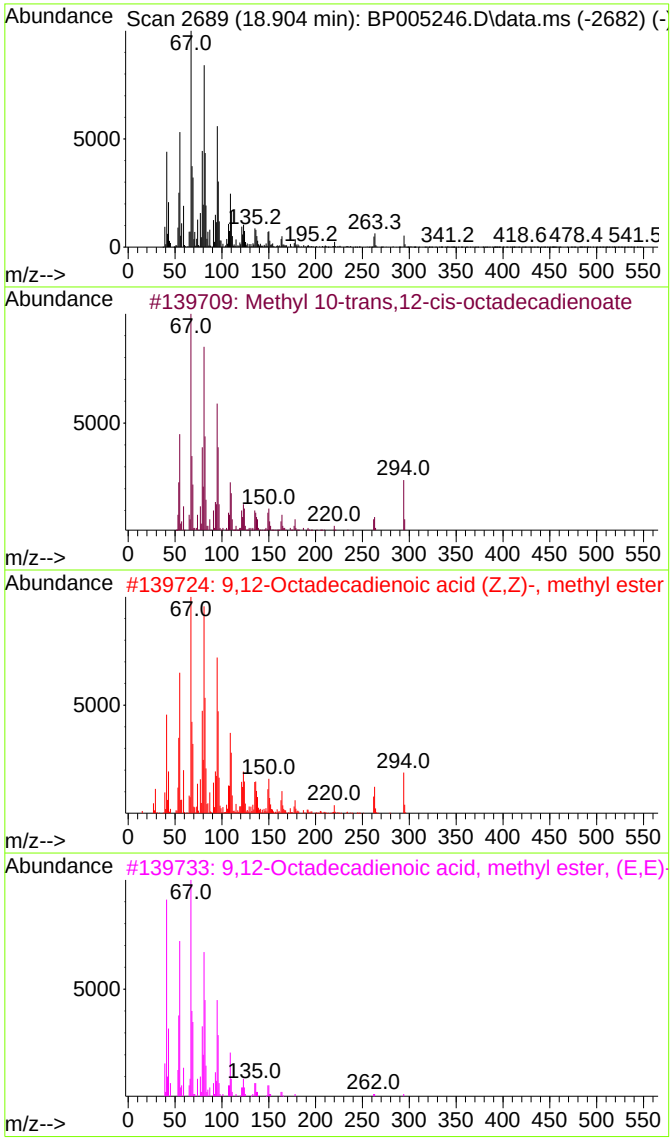
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

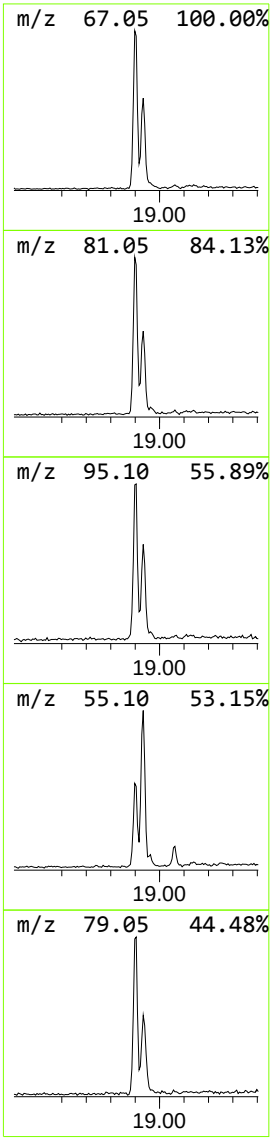
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Methyl 10-trans,12-cis-octa... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.904 | 37.04 ng | 537975 | Phenanthrene-d10 | 17.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 99 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 98 |
| 4 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 97 |
| 5 | 11,14-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-61-1 | 93 |



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Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OK-01-040721

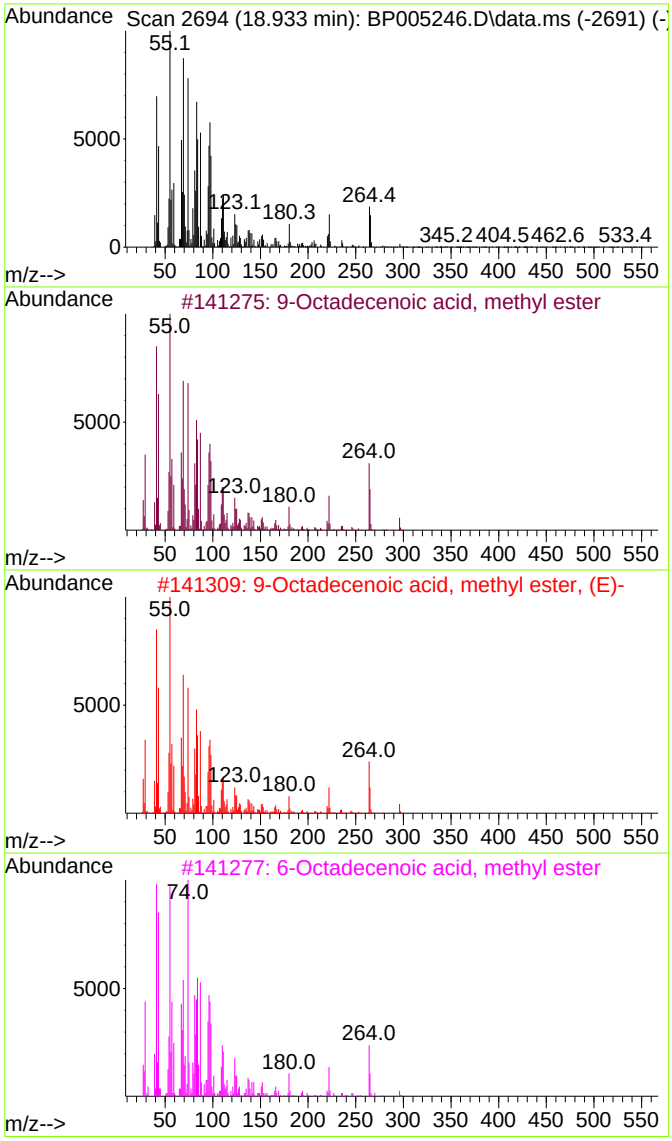
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

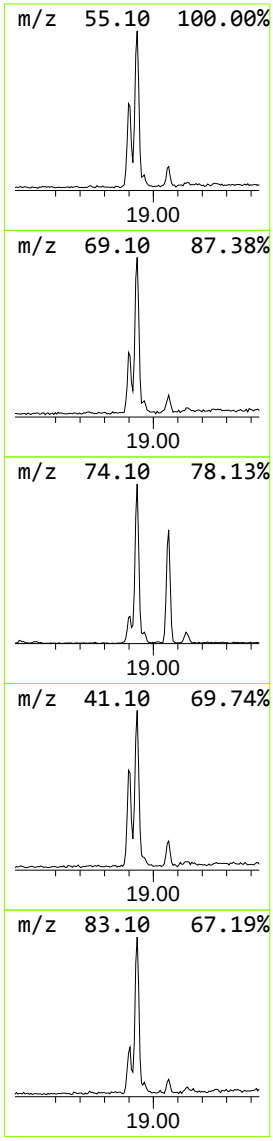
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 9-Octadecenoic acid, methyl... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.933 | 45.08 ng | 654811 | Phenanthrene-d10 | 17.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 99 |
| 2 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 99 |
| 3 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 98 |
| 4 | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 97 |
| 5 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 95 |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

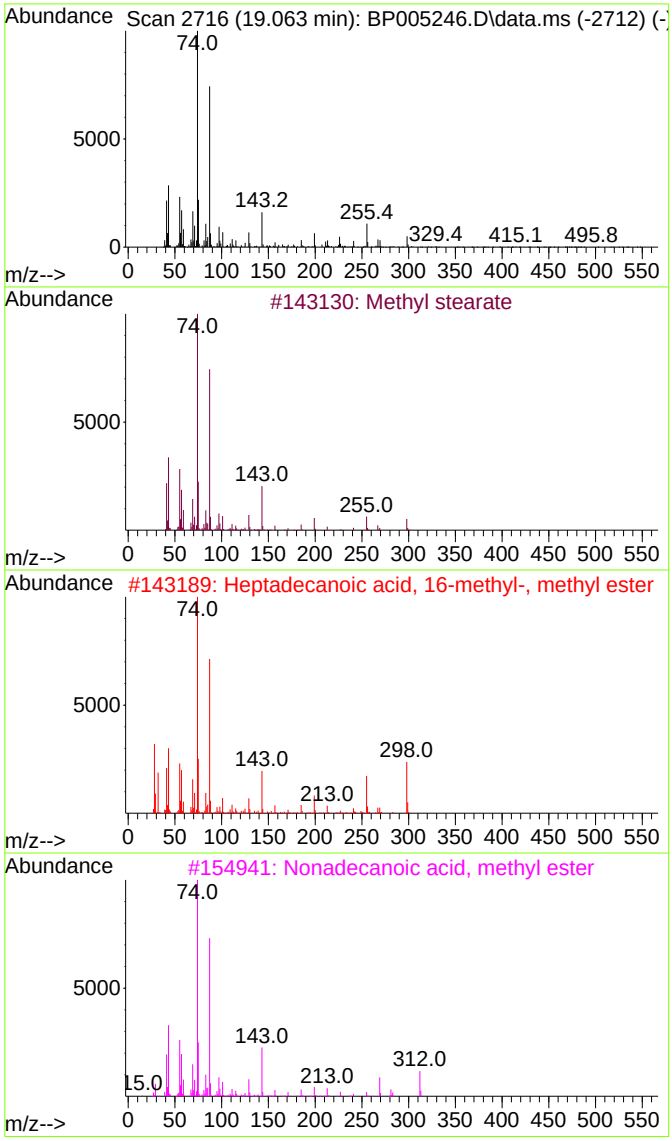
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

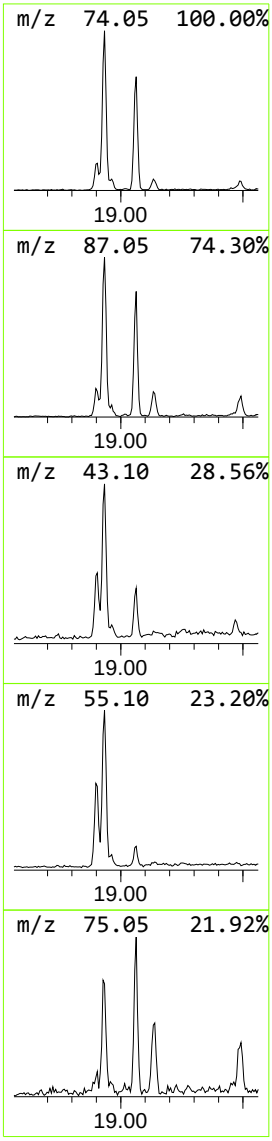
**********

Peak Number 5 Methyl stearate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.063 | 7.87 ng | 114357 | Phenanthrene-d10 | 17.110 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 99 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 96 |
| 3 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 90 |
| 4 | Hexacosanoic acid, methyl ester | 410 | C27H54O2 | 005802-82-4 | 86 |
| 5 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 83 |



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Operator : CG/JU
Sample : M1969-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
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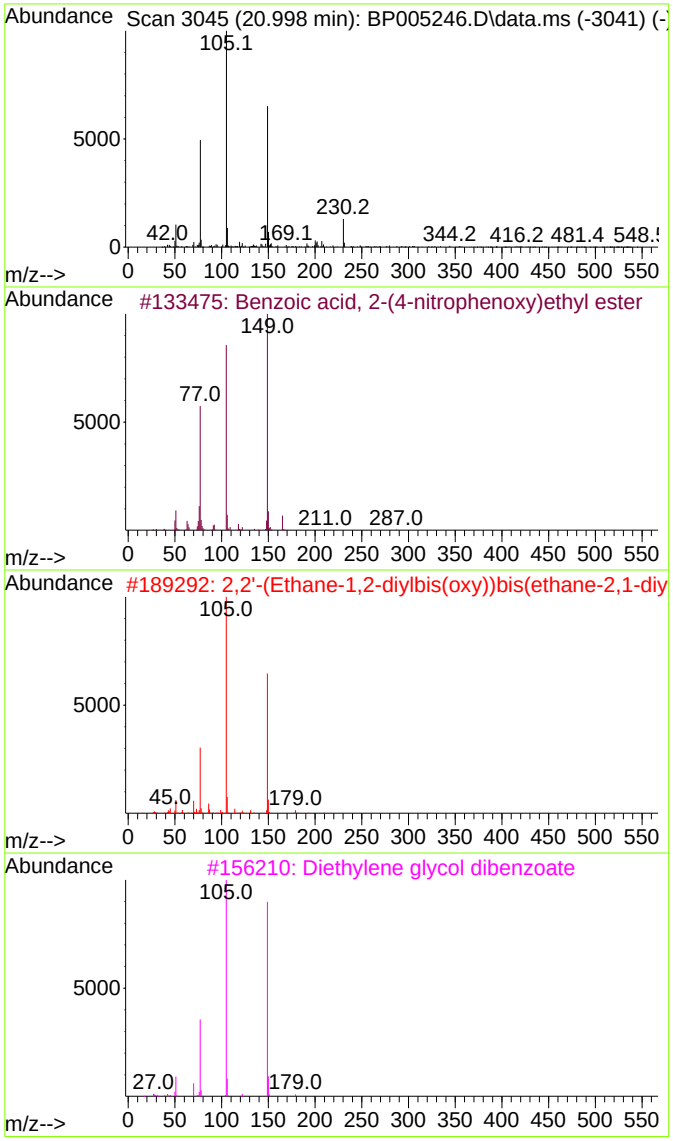
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

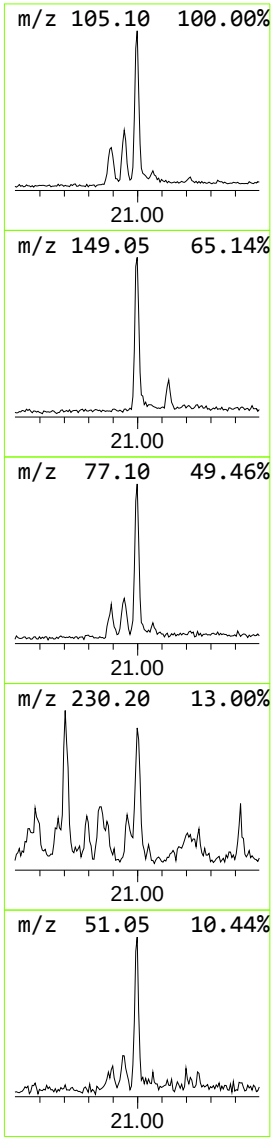
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzoic acid, 2-(4-nitrophe... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.998 | 3.90 ng | 104546 | Chrysene-d12 | 21.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 68 |
| 2 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 53 |
| 3 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 53 |
| 4 | Benzamide, N-(5-acetyl-1,2,3-tri... | 230 | C11H10N4O2 | 129959-33-7 | 46 |
| 5 | Methanone, (5,6-dimethyl-1H-thie... | 256 | C14H12N2OS | 1000350-07-2 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040821\
Data File : BP005246.D
Acq On : 08 Apr 2021 20:56
Operator : CG/JU
Sample : M1969-01 5X
Misc :
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**Instrument :** BNA_P
**ClientSampleId :** OK-01-040721

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Pentadecanoic a... | 17.792 | 18.9 | ng | 274336 | 4 | 17.110 | 290493 | 20.0 |
| 4H-Cyclopenta[d... | 18.180 | 3.5 | ng | 51057 | 4 | 17.110 | 290493 | 20.0 |
| Methyl 10-trans... | 18.904 | 37.0 | ng | 537975 | 4 | 17.110 | 290493 | 20.0 |
| 9-Octadecenoic ... | 18.933 | 45.1 | ng | 654811 | 4 | 17.110 | 290493 | 20.0 |
| Methyl stearate | 19.063 | 7.9 | ng | 114357 | 4 | 17.110 | 290493 | 20.0 |
| Benzoic acid, 2... | 20.998 | 3.9 | ng | 104546 | 5 | 21.216 | 536731 | 20.0 |