LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

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-BP011221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004575.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.399 | 369 | 376 | 390 | rBV | 2859428 | 4286537 | 46.74% | 5.545% |
| 2 | 6.981 | 636 | 645 | 659 | rBV | 2504127 | 4324193 | 47.16% | 5.594% |
| 3 | 7.805 | 775 | 785 | 793 | rBV | 668287 | 1072399 | 11.69% | 1.387% |
| 4 | 8.963 | 974 | 982 | 1001 | rVB | 1638496 | 2771256 | 30.22% | 3.585% |
| 5 | 10.599 | 1253 | 1260 | 1269 | rBV | 820873 | 1425712 | 15.55% | 1.844% |
| 6 | 13.069 | 1673 | 1680 | 1695 | rBV | 4235040 | 6400066 | 69.79% | 8.279% |
| 7 | 13.904 | 1817 | 1822 | 1832 | rVB | 309501 | 456458 | 4.98% | 0.590% |
| 8 | 14.457 | 1910 | 1916 | 1926 | rVB | 1224480 | 1803546 | 19.67% | 2.333% |
| 9 | 15.698 | 2121 | 2127 | 2137 | rVB | 51853 | 127150 | 1.39% | 0.164% |
| 10 | 15.957 | 2164 | 2171 | 2181 | rVB | 3259461 | 4938092 | 53.85% | 6.388% |
| 11 | 16.245 | 2216 | 2220 | 2230 | rVB3 | 61302 | 109575 | 1.19% | 0.142% |
| 12 | 16.610 | 2277 | 2282 | 2293 | rVB2 | 178501 | 375568 | 4.10% | 0.486% |
| 13 | 17.216 | 2379 | 2385 | 2391 | rBV | 1425643 | 2068617 | 22.56% | 2.676% |
| 14 | 18.110 | 2531 | 2537 | 2556 | rBV | 1800805 | 2909798 | 31.73% | 3.764% |
| 15 | 18.380 | 2578 | 2583 | 2586 | rBV | 330355 | 478377 | 5.22% | 0.619% |
| 16 | 18.422 | 2586 | 2590 | 2602 | rVB | 294181 | 488275 | 5.32% | 0.632% |
| 17 | 18.763 | 2637 | 2648 | 2657 | rBV | 661851 | 2081432 | 22.70% | 2.692% |
| 18 | 18.875 | 2657 | 2667 | 2675 | rVV | 955285 | 2891677 | 31.53% | 3.741% |
| 19 | 18.957 | 2675 | 2681 | 2699 | rVV | 2580416 | 6579303 | 71.75% | 8.511% |
| 20 | 19.104 | 2701 | 2706 | 2719 | rVB | 191074 | 492044 | 5.37% | 0.636% |
| 21 | 19.227 | 2720 | 2727 | 2742 | rBV3 | 257006 | 679545 | 7.41% | 0.879% |
| 22 | 19.345 | 2742 | 2747 | 2759 | rVV | 740703 | 1168151 | 12.74% | 1.511% |
| 23 | 19.598 | 2787 | 2790 | 2796 | rVB2 | 72487 | 94617 | 1.03% | 0.122% |
| 24 | 19.710 | 2804 | 2809 | 2815 | rBV3 | 131611 | 355310 | 3.87% | 0.460% |
| 25 | 19.780 | 2816 | 2821 | 2837 | rVB | 7394237 | 9170059 | 100.00% | 11.862% |
| 26 | 20.433 | 2926 | 2932 | 2946 | rBV3 | 226055 | 774043 | 8.44% | 1.001% |
| 27 | 21.016 | 3027 | 3031 | 3038 | rBV3 | 842939 | 1590006 | 17.34% | 2.057% |
| 28 | 21.074 | 3038 | 3041 | 3051 | rVB2 | 374409 | 699530 | 7.63% | 0.905% |
| 29 | 21.222 | 3062 | 3066 | 3071 | rVB | 131238 | 210639 | 2.30% | 0.272% |
| 30 | 21.310 | 3076 | 3081 | 3086 | rBV | 2072708 | 2595196 | 28.30% | 3.357% |
| 31 | 21.451 | 3102 | 3105 | 3111 | rVB | 239249 | 278181 | 3.03% | 0.360% |
| 32 | 21.680 | 3139 | 3144 | 3159 | rBV | 358945 | 810604 | 8.84% | 1.049% |
| 33 | 21.898 | 3178 | 3181 | 3200 | rVB | 381035 | 700852 | 7.64% | 0.907% |
| 34 | 22.339 | 3248 | 3256 | 3260 | rBV2 | 599140 | 1590673 | 17.35% | 2.058% |
| 35 | 22.386 | 3261 | 3264 | 3280 | rVB | 627379 | 1125455 | 12.27% | 1.456% |
| 36 | 22.921 | 3350 | 3355 | 3362 | rVB | 602276 | 948536 | 10.34% | 1.227% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

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-BP011221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 23.086 | 3377 | 3383 | 3392 | rBV | 341962 | 749907 | 8.18% | 0.970% |
| 38 | 23.527 | 3453 | 3458 | 3466 | rVB | 547132 | 974614 | 10.63% | 1.261% |
| 39 | 23.657 | 3473 | 3480 | 3496 | rVB2 | 1422053 | 3141168 | 34.25% | 4.063% |
| 40 | 23.927 | 3521 | 3526 | 3539 | rVB2 | 268458 | 759437 | 8.28% | 0.982% |
| 41 | 24.221 | 3571 | 3576 | 3585 | rVB | 575517 | 1173353 | 12.80% | 1.518% |
| 42 | 25.033 | 3707 | 3714 | 3720 | rBV | 409181 | 1016082 | 11.08% | 1.314% |
| 43 | 25.974 | 3869 | 3874 | 3881 | rVB | 273907 | 620413 | 6.77% | 0.803% |

Sum of corrected areas: 77306446

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
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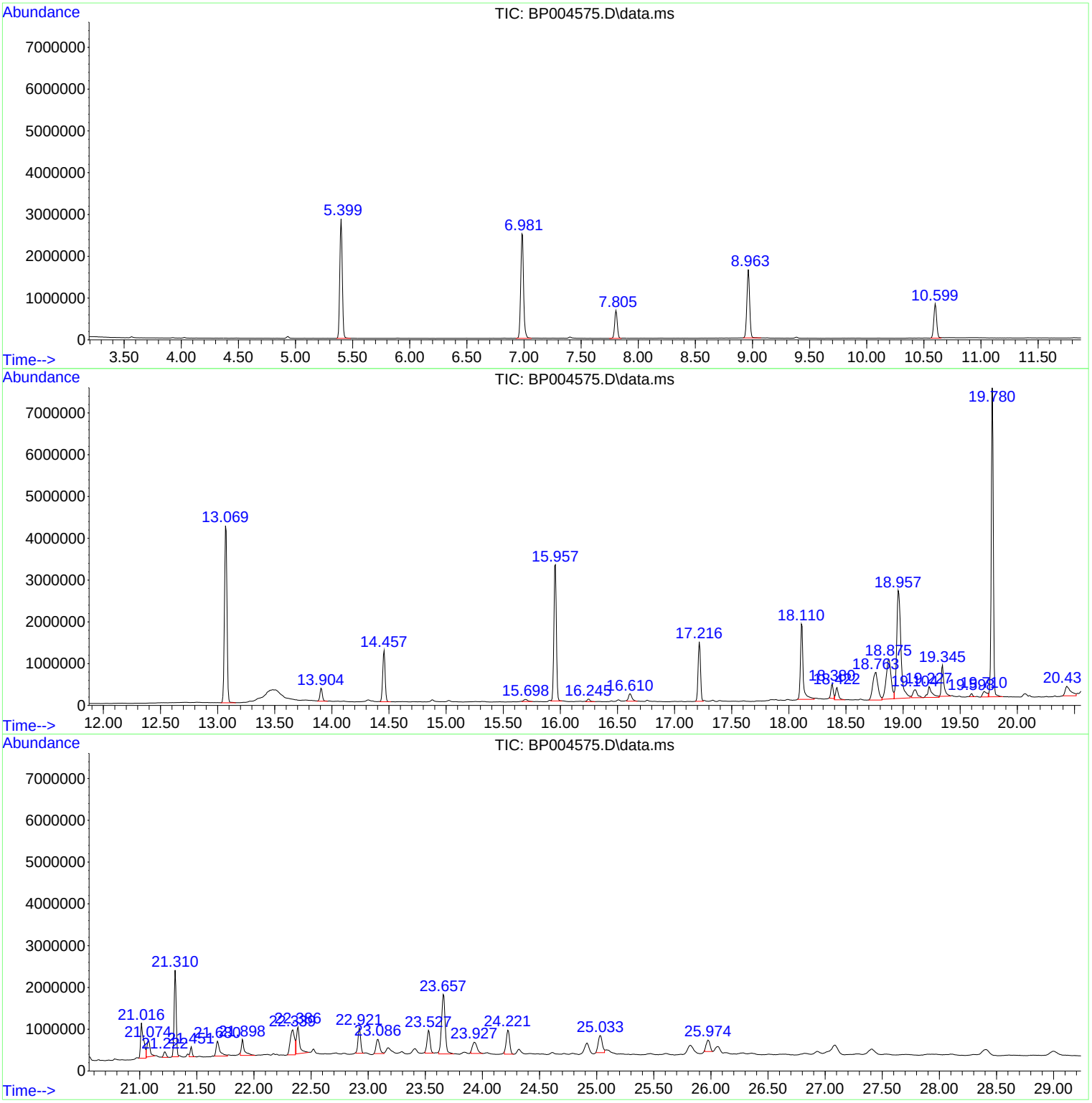
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.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\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

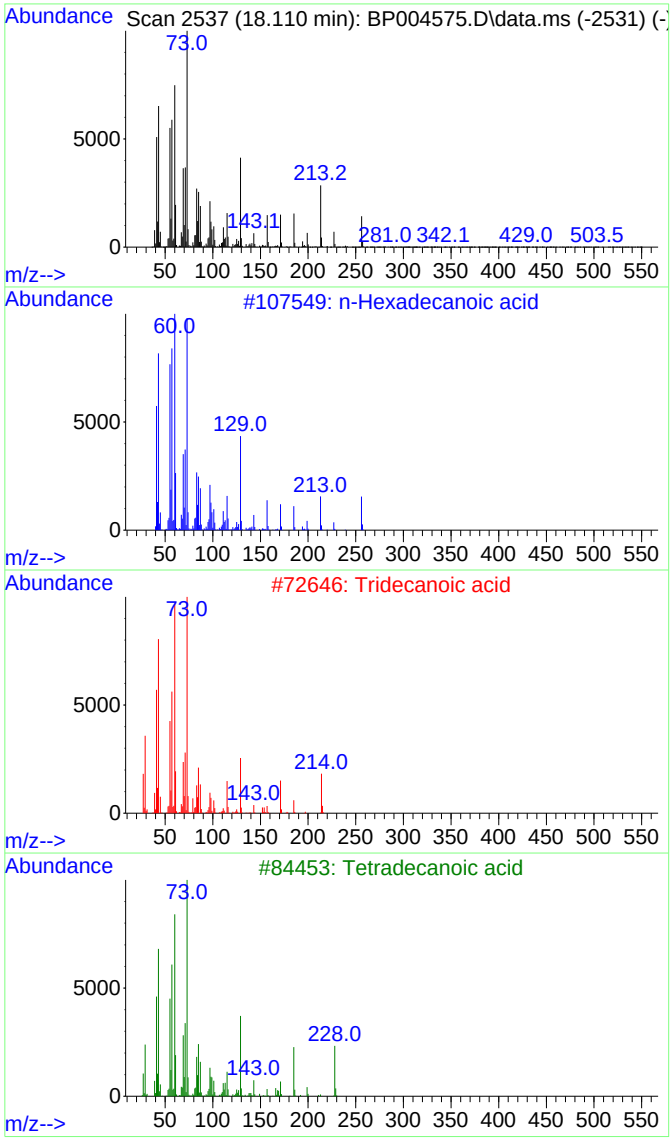
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

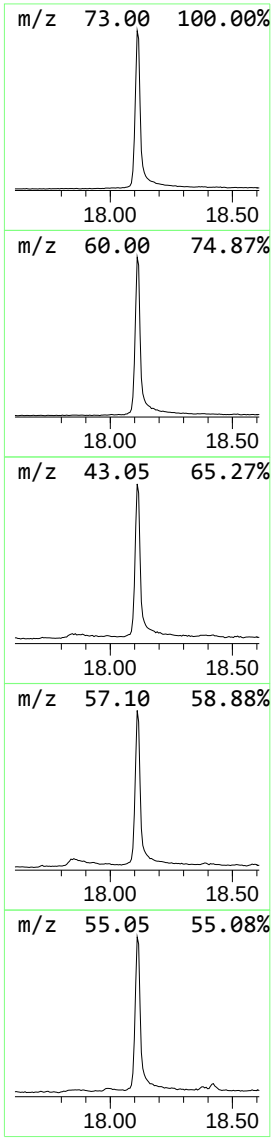
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.110 | 28.13 ng | 2909800 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

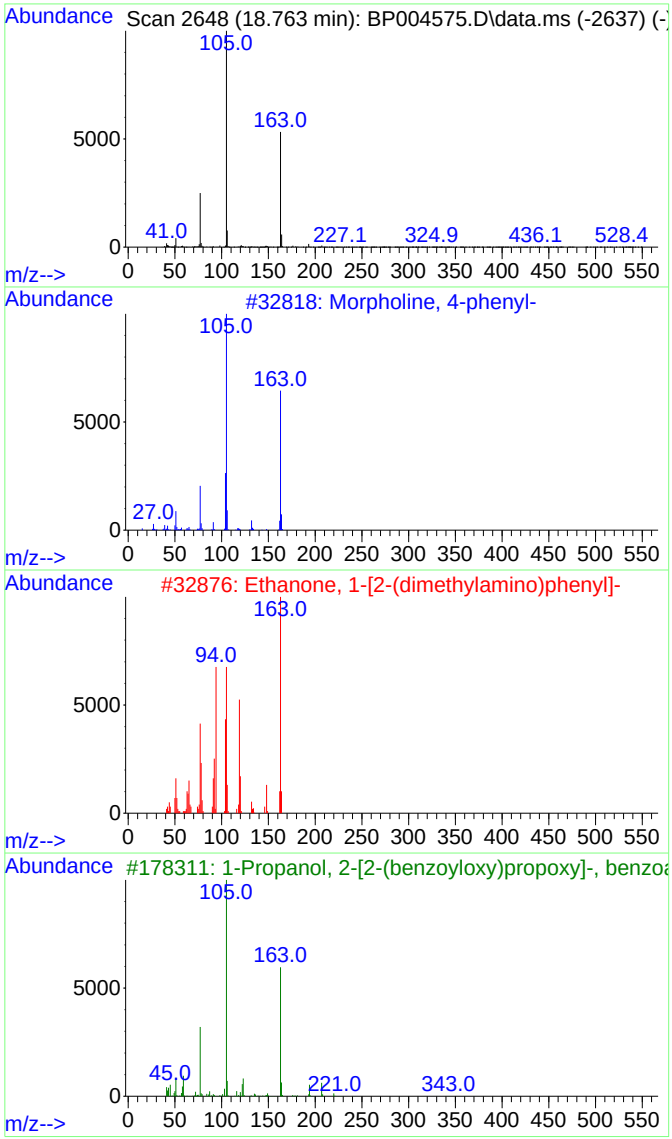
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

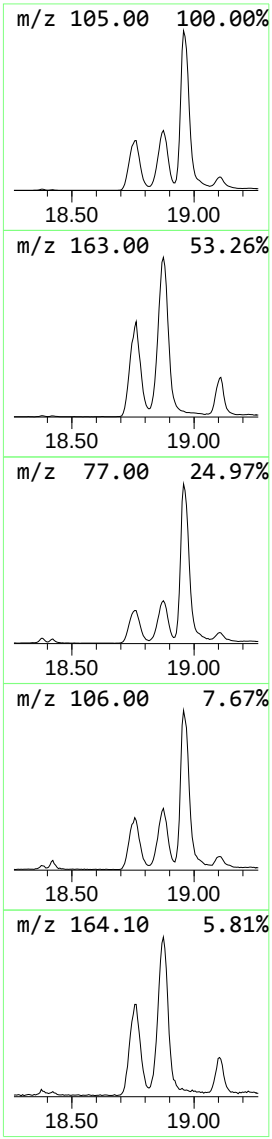
**********

Peak Number 2 Morpholine, 4-phenyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.763 | 20.12 ng | 2081430 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 72 |
| 2 | Ethanone, 1-[2-(dimethylamino)ph... | 163 | C10H13NO | 010336-55-7 | 56 |
| 3 | 1-Propanol, 2-[2-(benzoyloxy)pro... | 342 | C20H22O5 | 020109-39-1 | 40 |
| 4 | (3-Phenyloxiran-2-yl)methyl benz... | 254 | C16H14O3 | 1000366-96-1 | 36 |
| 5 | Glyoxylamide, N-phenyl- | 163 | C9H9NO2 | 032331-52-5 | 33 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

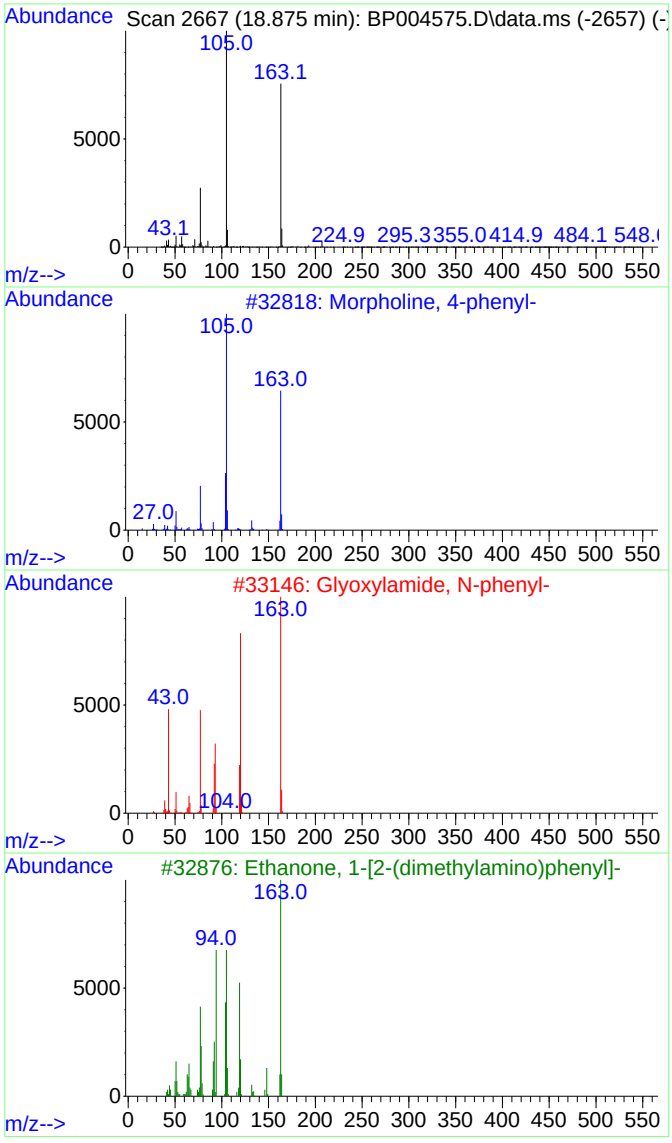
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

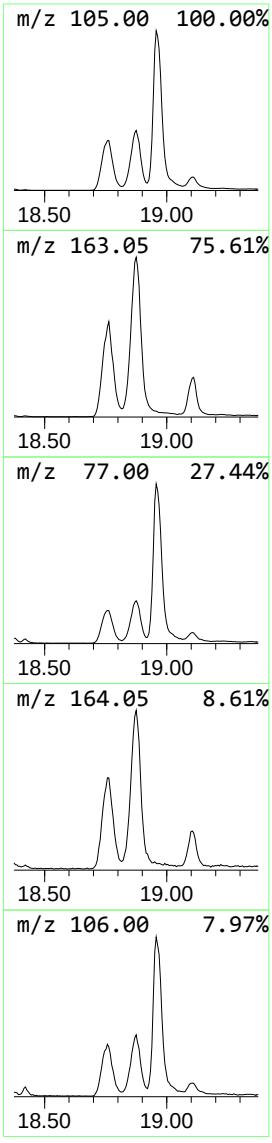
**********

Peak Number 3 Glyoxylamide, N-phenyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.875 | 27.96 ng | 2891680 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 64 |
| 2 | Glyoxylamide, N-phenyl- | 163 | C9H9NO2 | 032331-52-5 | 53 |
| 3 | Ethanone, 1-[2-(dimethylamino)ph... | 163 | C10H13NO | 010336-55-7 | 50 |
| 4 | Phthalic acid, 4-fluoro-2-nitrop... | 319 | C15H10FNO6 | 1000315-63-4 | 47 |
| 5 | Phthalic acid, 4-isopropylphenyl... | 298 | C18H18O4 | 1000315-65-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

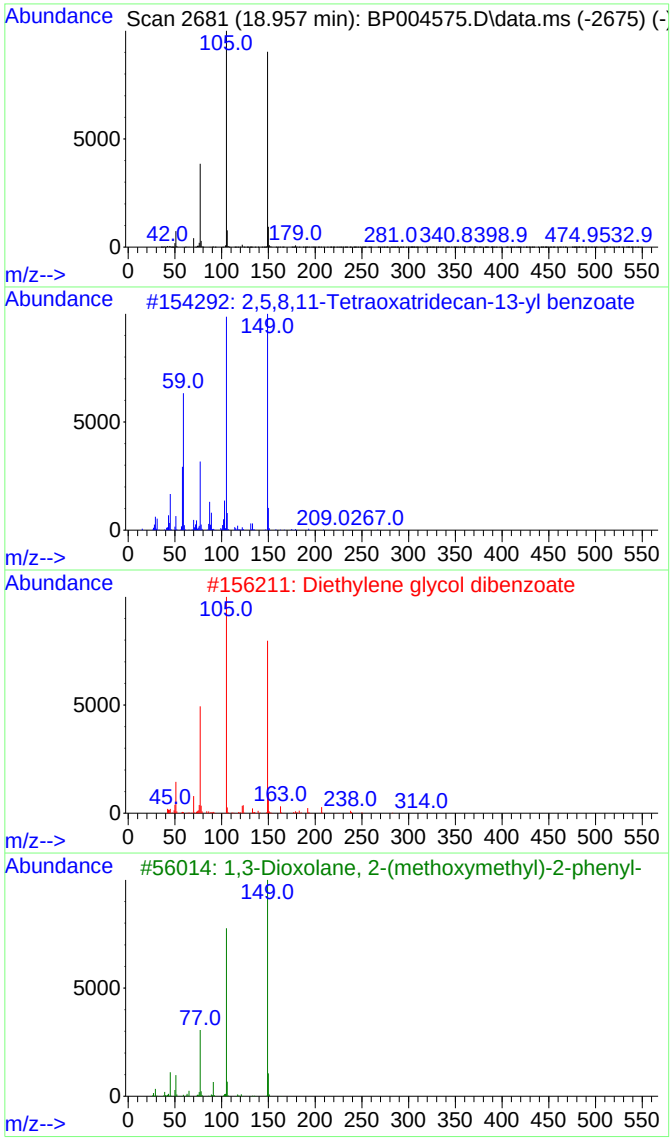
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

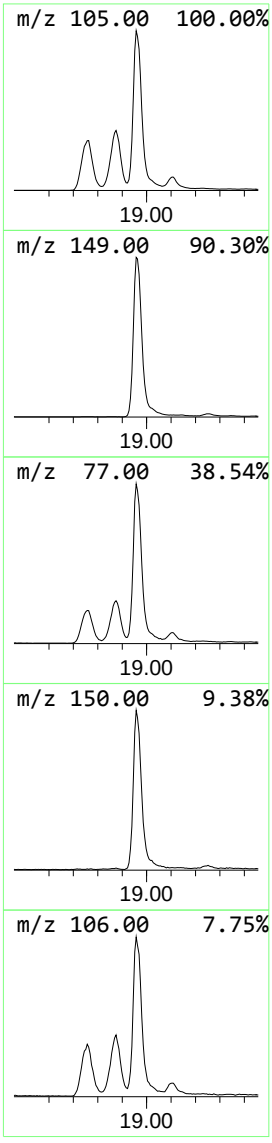
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2,5,8,11-Tetraoxatridecan-1... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.957 | 63.61 ng | 6579300 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5,8,11-Tetraoxatridecan-13-yl ... | 312 | C16H24O6 | 1000366-96-7 | 78 |
| 2 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 78 |
| 3 | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3 | 1000156-71-2 | 74 |
| 4 | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8 | 1000366-97-0 | 59 |
| 5 | Benzoic acid, 2-(2-chlorophenoxy... | 276 | C15H13ClO3 | 1000368-25-9 | 56 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

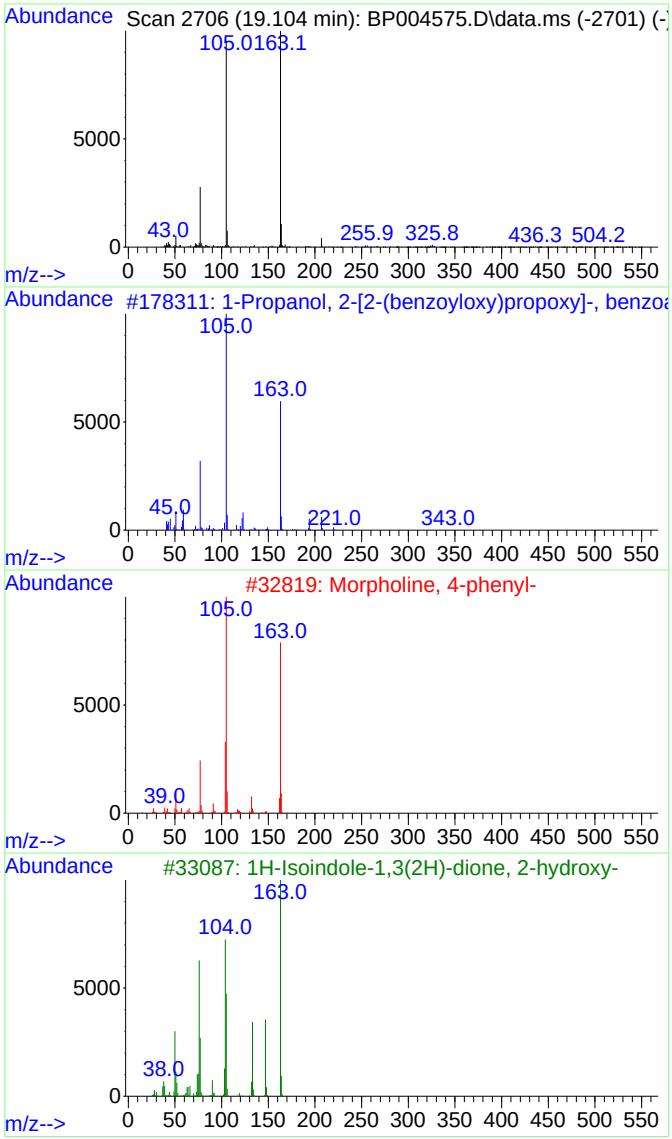
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

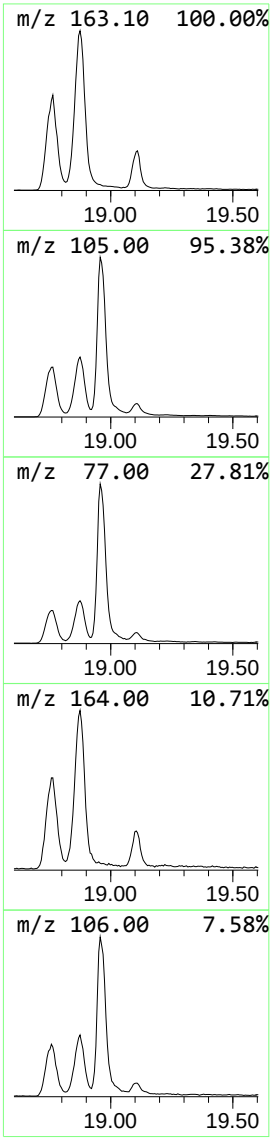
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1-Propanol, 2-[2-(benzoylox... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.104 | 4.76 ng | 492044 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanol, 2-[2-(benzoyloxy)pro... | 342 | C20H22O5 | 020109-39-1 | 78 |
| 2 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 64 |
| 3 | 1H-Isoindole-1,3(2H)-dione, 2-hy... | 163 | C8H5NO3 | 000524-38-9 | 50 |
| 4 | Methyl 4-methylpentyl phthalate | 264 | C15H20O4 | 1000373-82-6 | 50 |
| 5 | Phthalic acid, 3,5-dimethylpheny... | 284 | C17H16O4 | 1000315-70-8 | 33 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

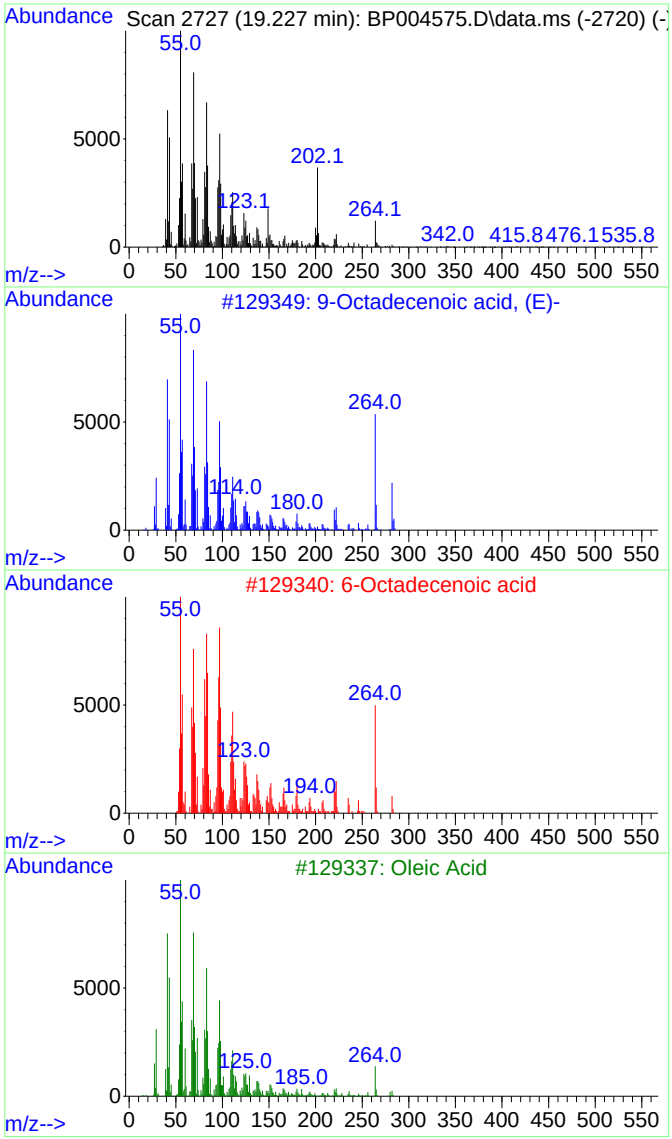
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

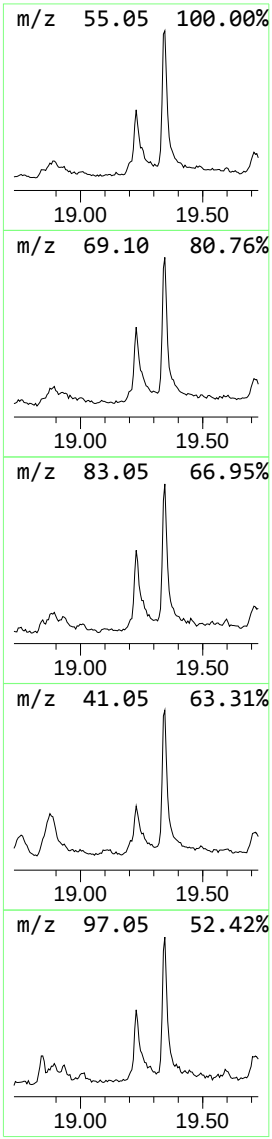
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 9-Octadecenoic acid, (E)- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.227 | 6.57 ng | 679545 | Phenanthrene-d10 | 17.216 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 98 |
| 2 | 6-Octadecenoic acid | 282 | C18H34O2 | 1000336-66-8 | 95 |
| 3 | Oleic Acid | 282 | C18H34O2 | 000112-80-1 | 93 |
| 4 | cis-13-Octadecenoic acid | 282 | C18H34O2 | 013126-39-1 | 87 |
| 5 | Oleyl alcohol, trifluoroacetate | 364 | C20H35F3O2 | 1000352-68-4 | 76 |



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Data File : BP004575.D
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Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

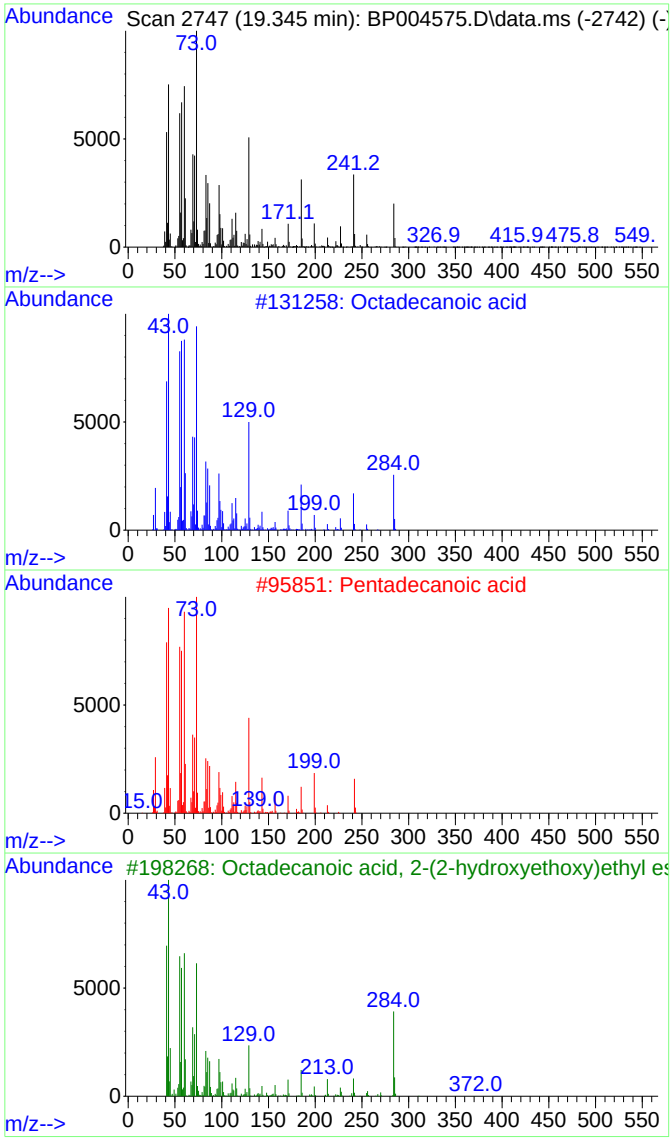
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

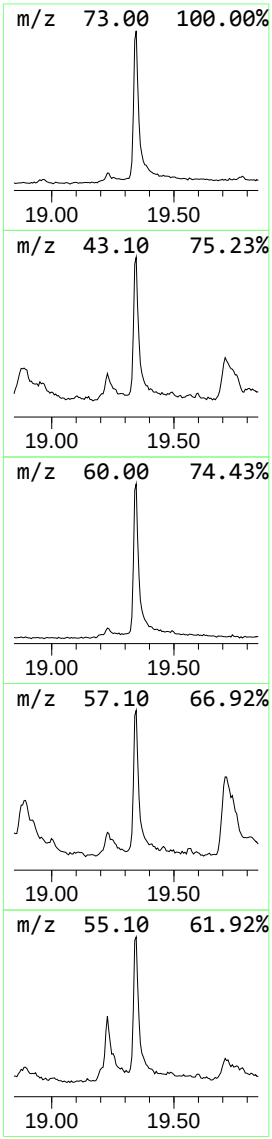
**********

Peak Number 7 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.345 | 9.00 ng | 1168150 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 86 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 64 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

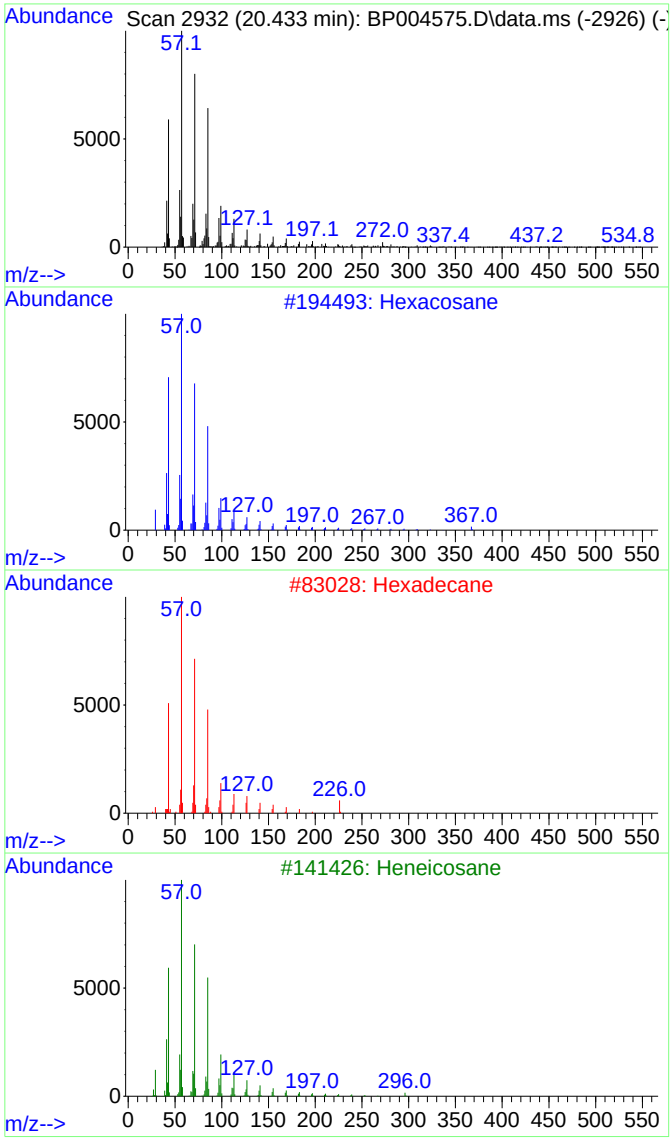
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

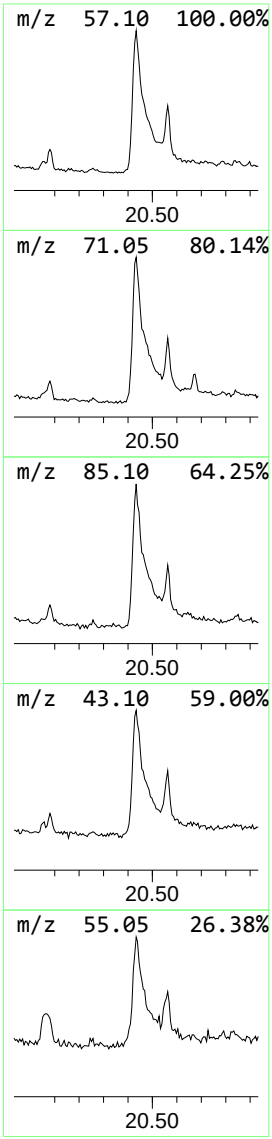
**********

Peak Number 8 Hexacosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.433 | 5.97 ng | 774043 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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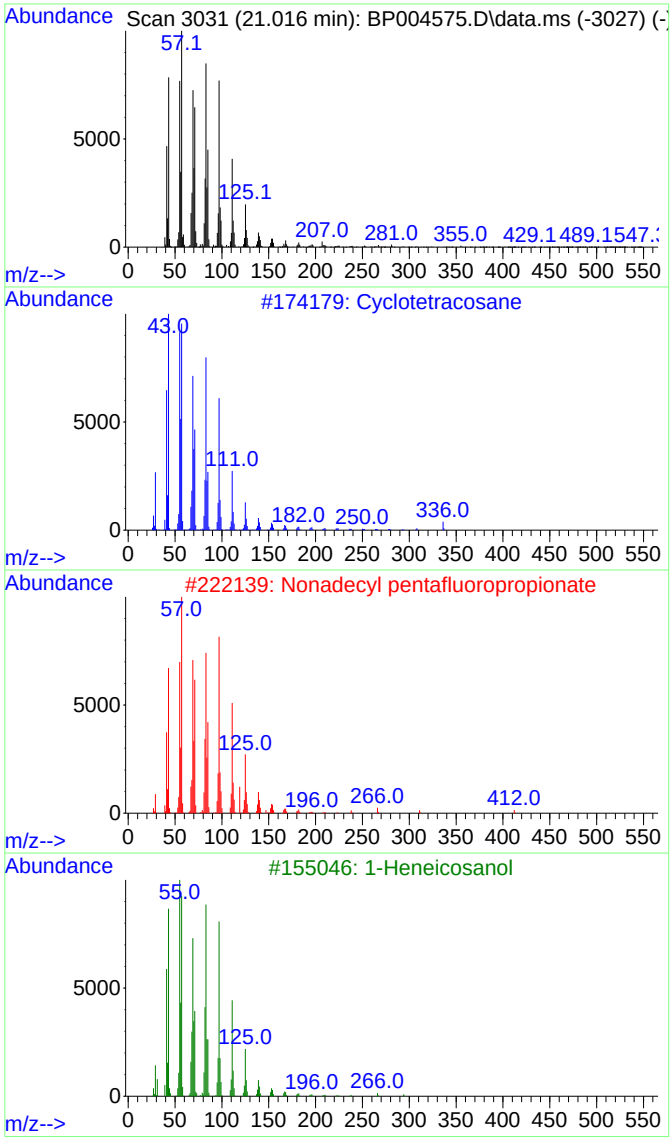
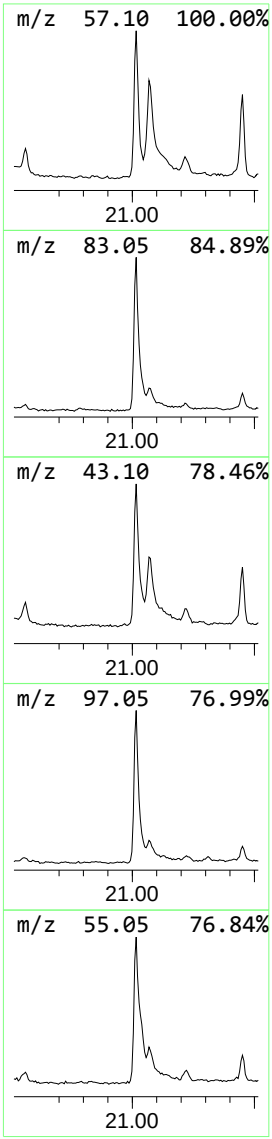
Peak Number 9 Cyclotetracosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.016 | 12.25 ng | 1590010 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 96 |
| 2 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 94 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 93 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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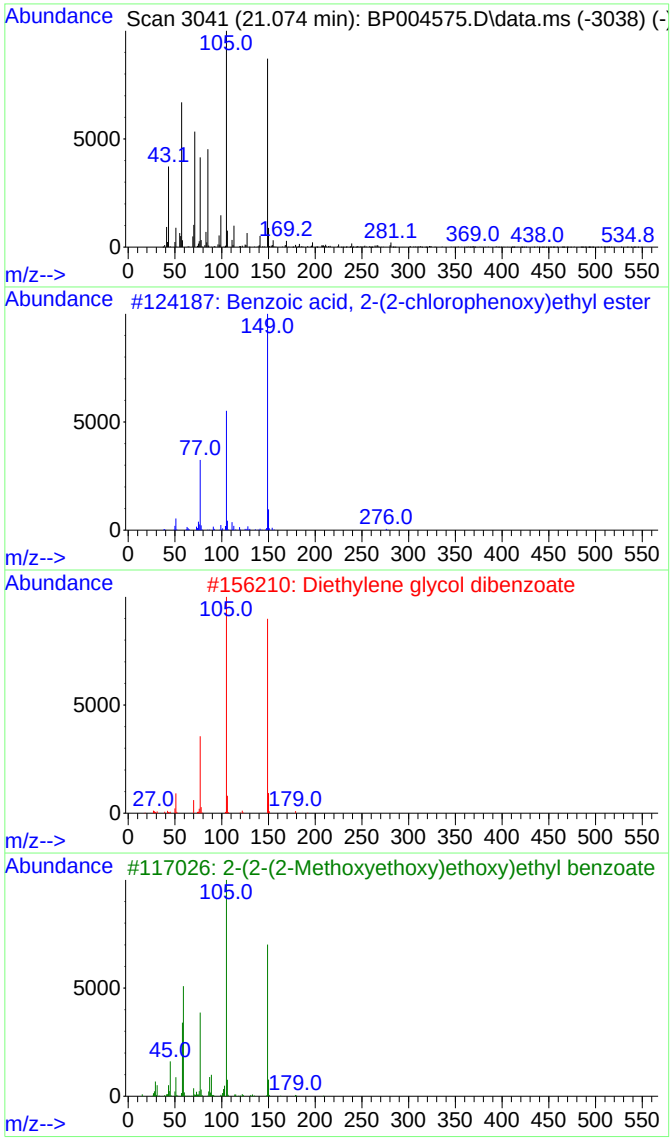
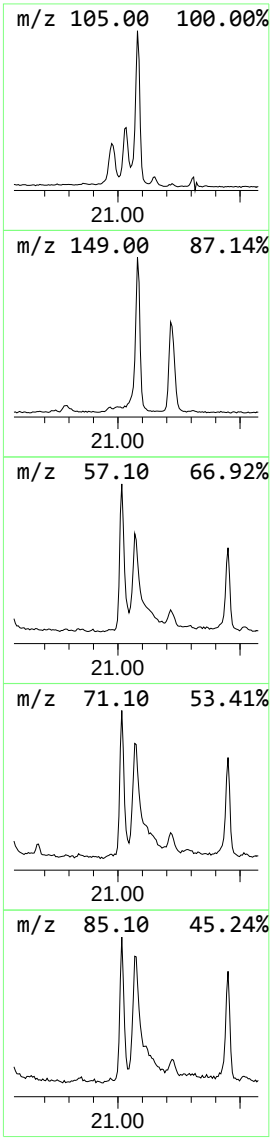
Peak Number 10 unknown21.07 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.075 | 5.39 ng | 699530 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2-(2-chlorophenoxy... | 276 | C15H13ClO3 | 1000368-25-9 | 43 |
| 2 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 43 |
| 3 | 2-(2-(2-Methoxyethoxy)ethoxy)eth... | 268 | C14H20O5 | 1000366-99-1 | 43 |
| 4 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 43 |
| 5 | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8 | 1000366-97-0 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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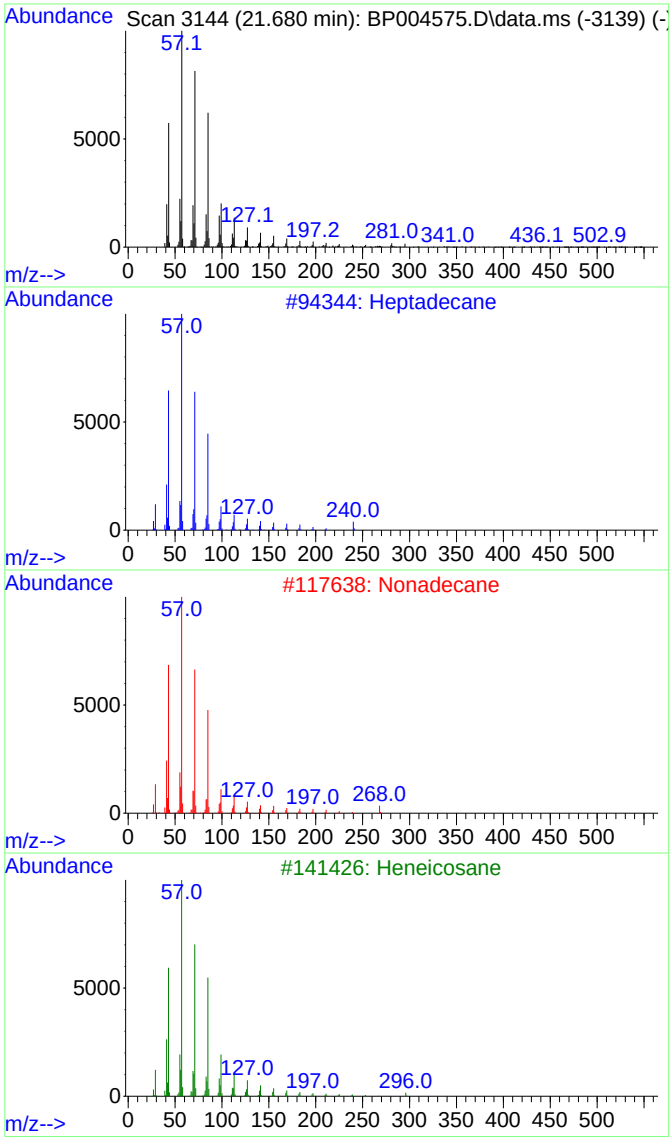
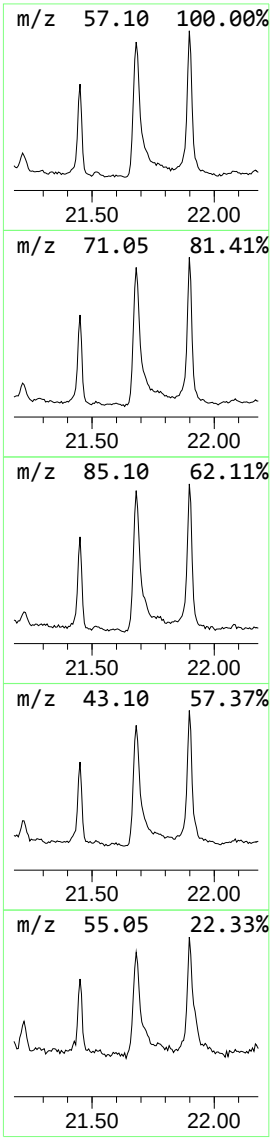
Peak Number 11 Heptadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.680 | 6.25 ng | 810604 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 95 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 5 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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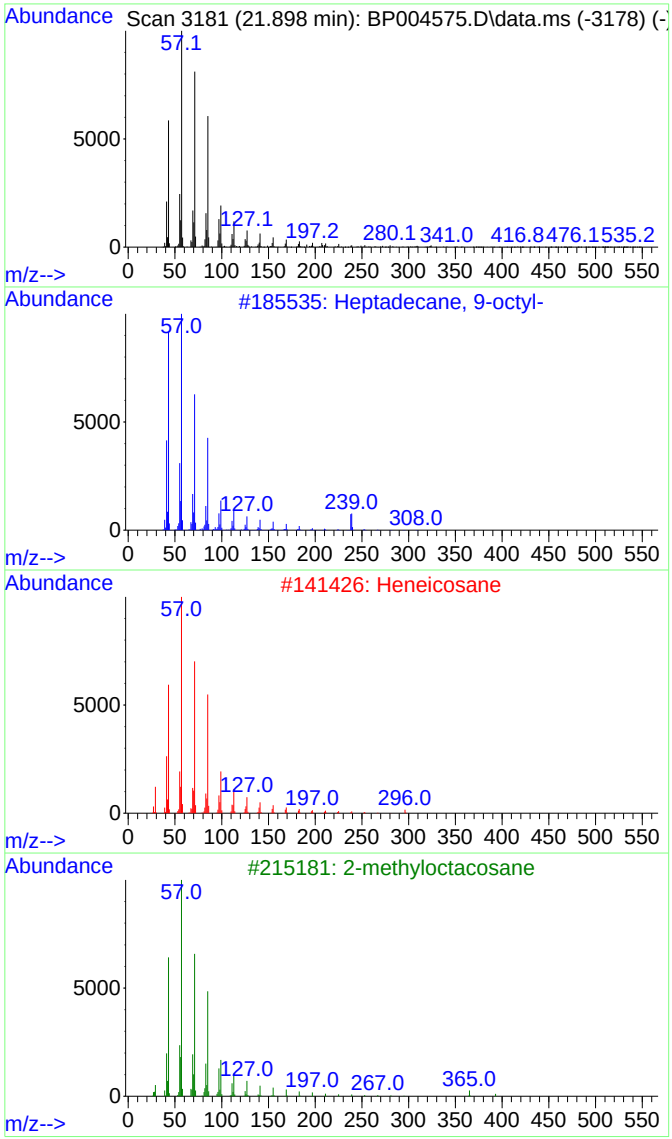
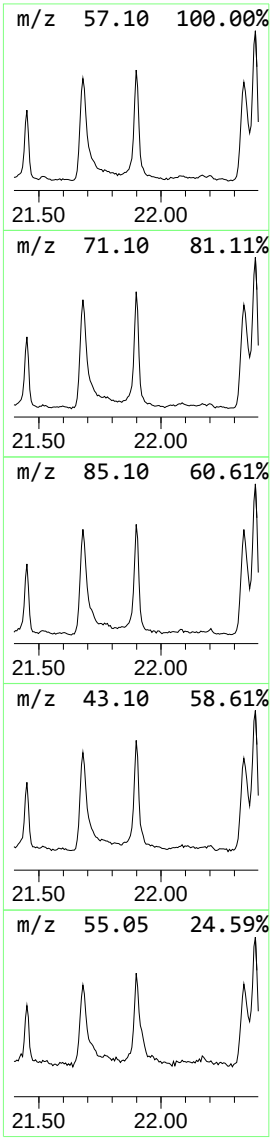
Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.898 | 5.40 ng | 700852 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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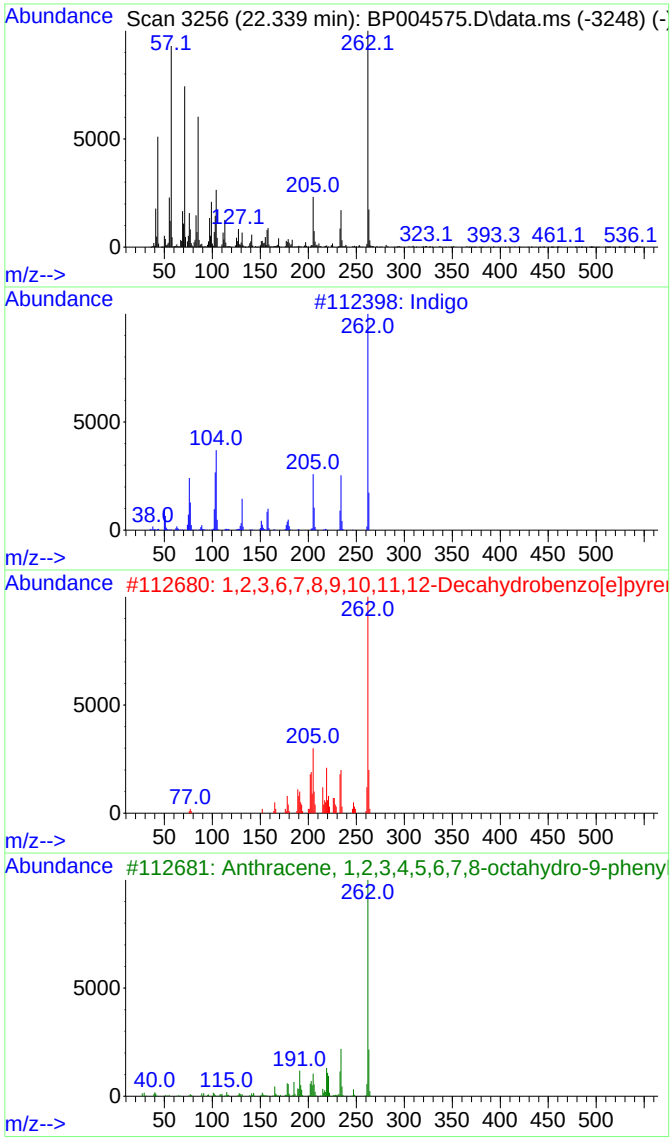
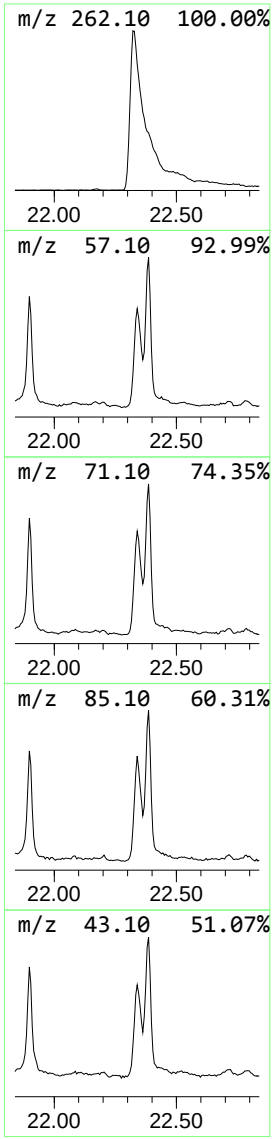
Peak Number 13 Indigo Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.339 | 12.26 ng | 1590670 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indigo | 262 | C16H10N2O2 | 000482-89-3 | 95 |
| 2 | 1,2,3,6,7,8,9,10,11,12-Decahydro... | 262 | C20H22 | 092387-50-3 | 49 |
| 3 | Anthracene, 1,2,3,4,5,6,7,8-octa... | 262 | C20H22 | 125379-29-5 | 30 |
| 4 | 2,4,6(1H,3H,5H)-Pyrimidinetrione... | 262 | C12H14N4O3 | 1000350-66-3 | 22 |
| 5 | 2,2'-Binaphthalene, 5,5',6,6',7,... | 262 | C20H22 | 118761-48-1 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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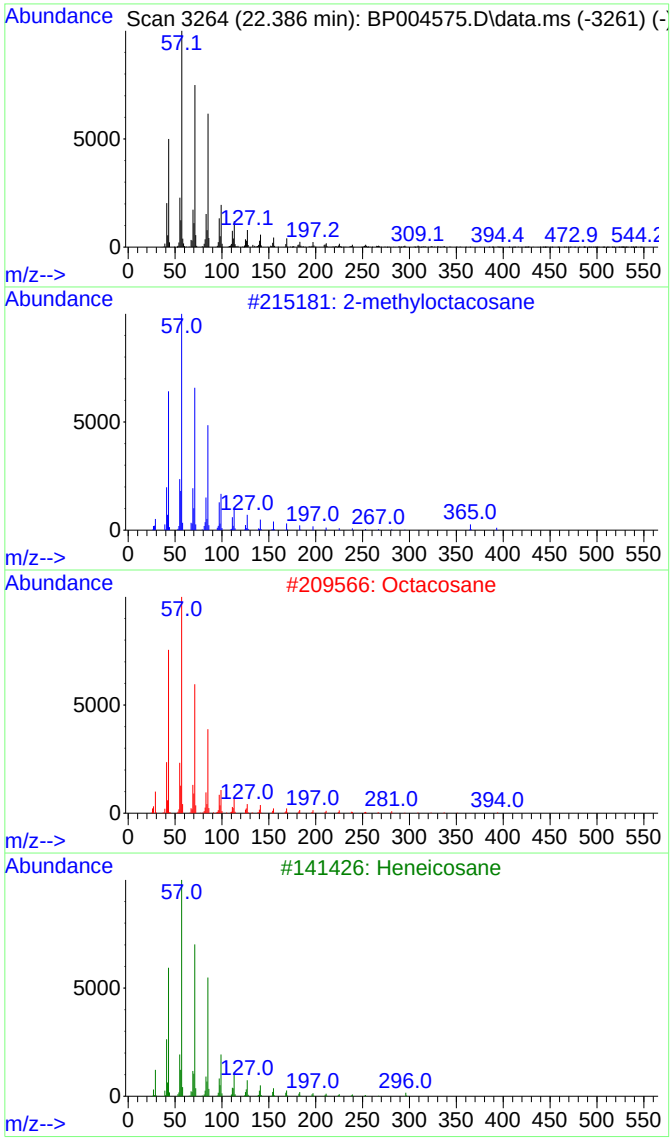
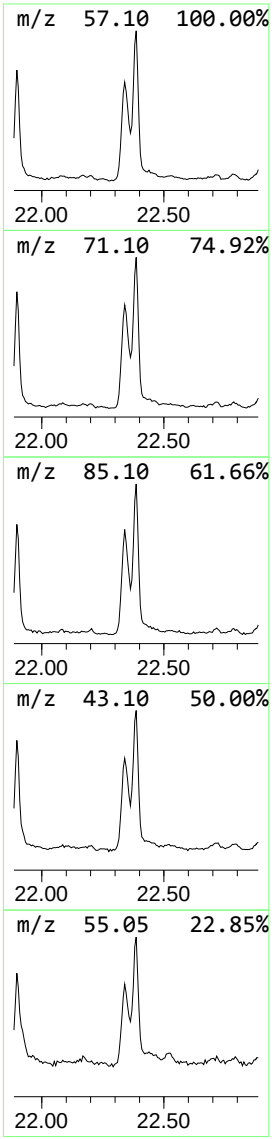
Peak Number 14 2-methyloctacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.386 | 8.67 ng | 1125460 | Chrysene-d12 | 21.310 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Tetracosane, 11-decyl- | 479 | C34H70 | 055429-84-0 | 91 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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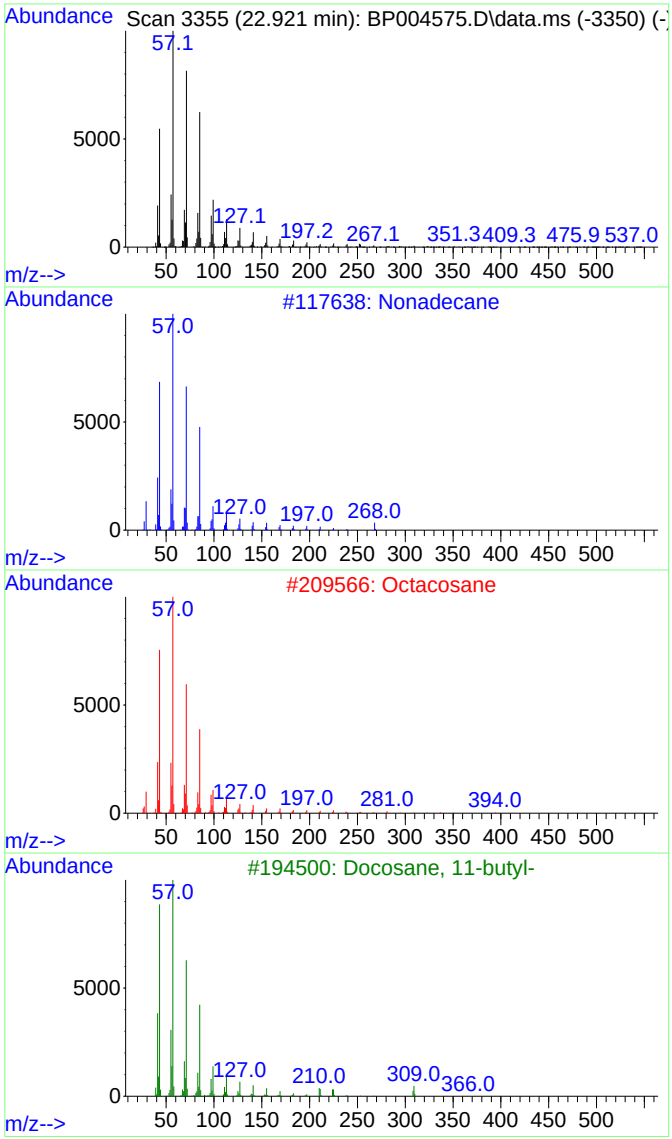
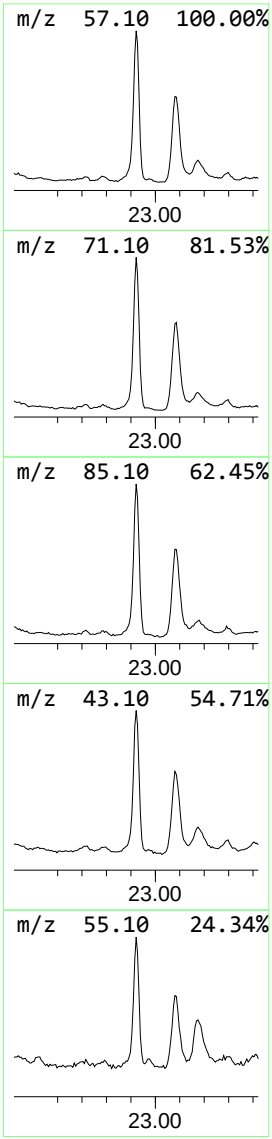
Peak Number 15 Nonadecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.921 | 6.04 ng | 948536 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 94 |
| 3 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 93 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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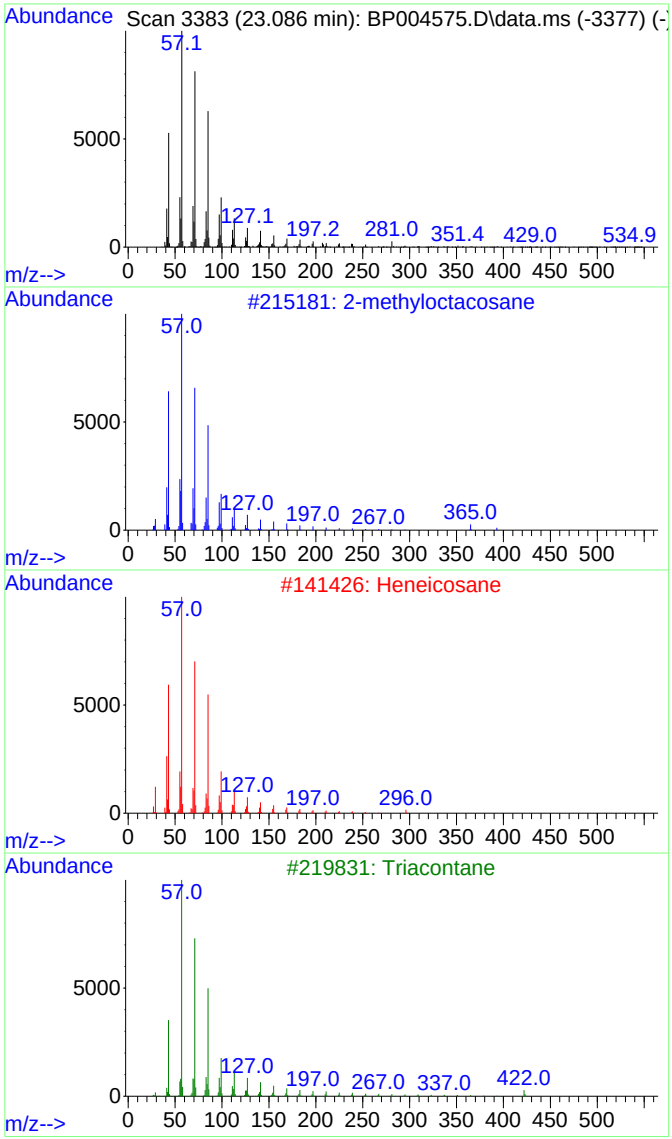
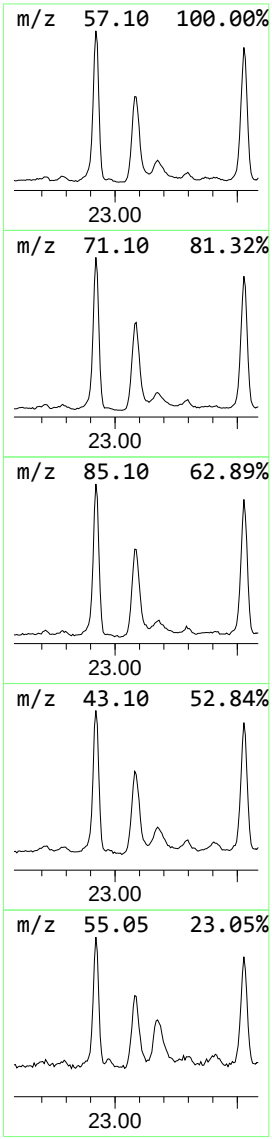
Peak Number 16 Heneicosane Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.086 | 4.77 ng | 749907 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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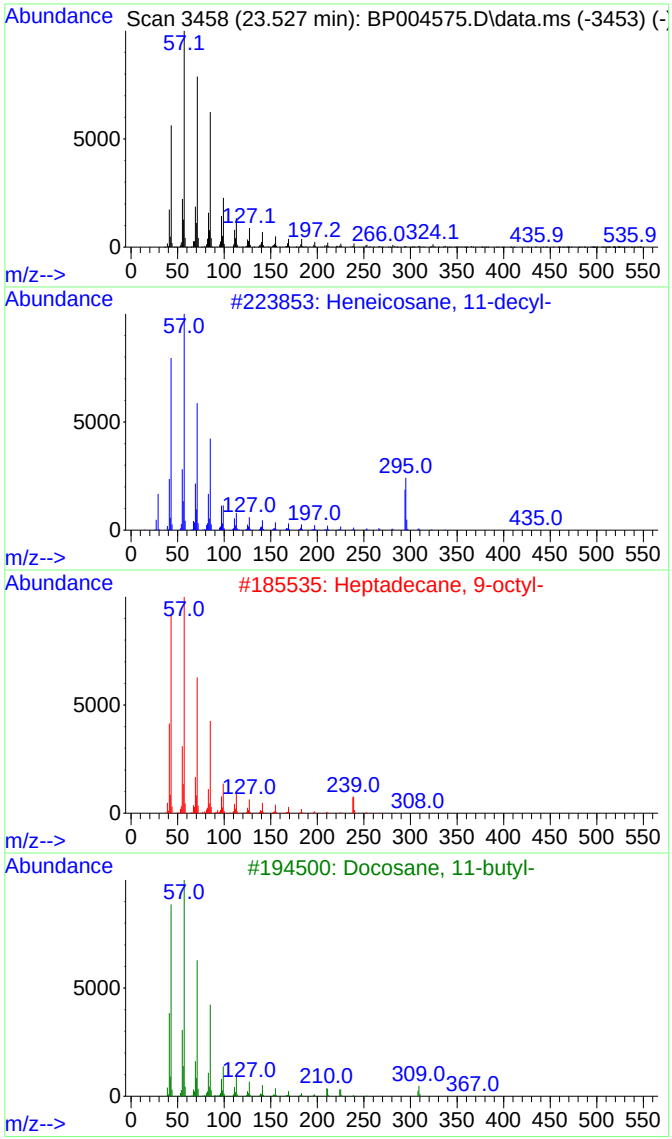
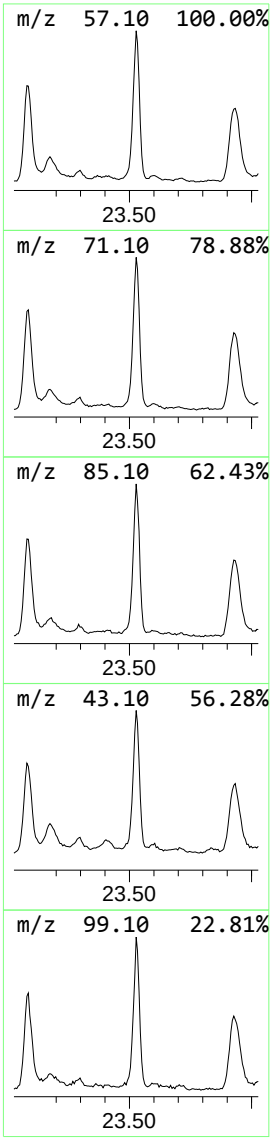
Peak Number 17 Heneicosane, 11-decyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.527 | 6.21 ng | 974614 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 93 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 3 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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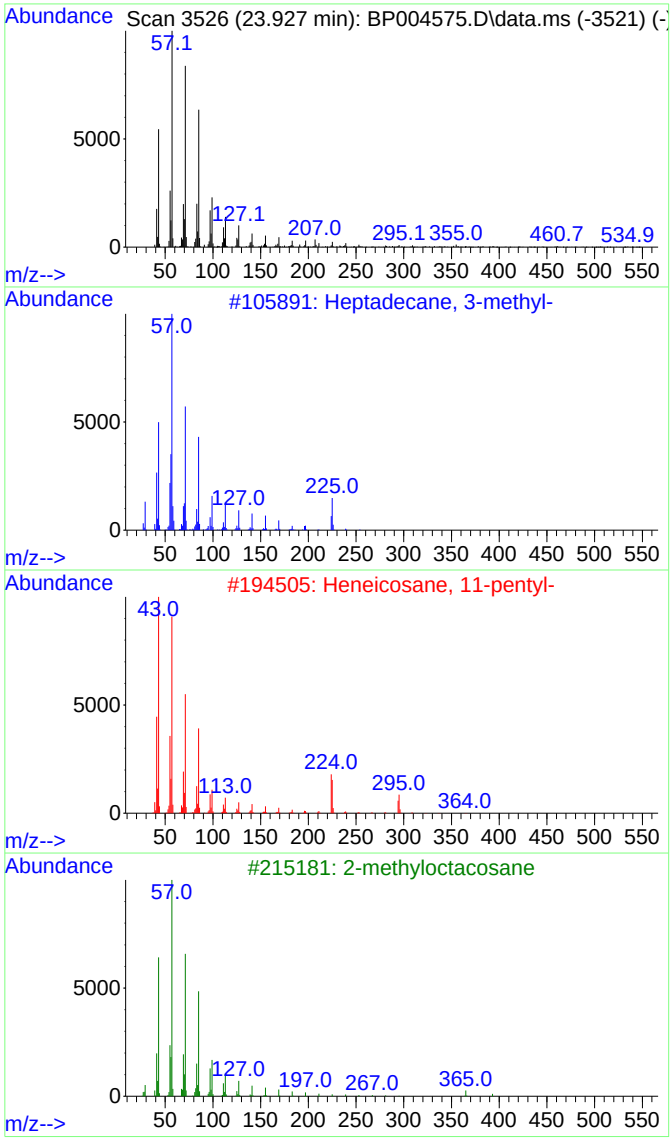
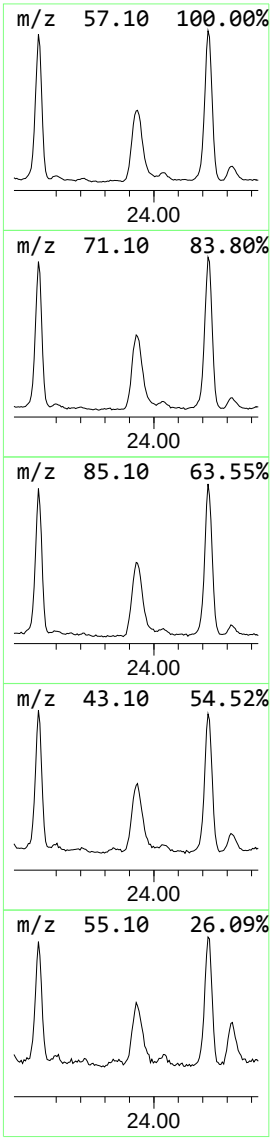
Peak Number 18 Heptadecane, 3-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.927 | 4.84 ng | 759437 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 3-methyl- | 254 | C18H38 | 006418-44-6 | 93 |
| 2 | Heneicosane, 11-pentyl- | 366 | C26H54 | 014739-72-1 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Docosane, 11-decyl- | 451 | C32H66 | 055401-55-3 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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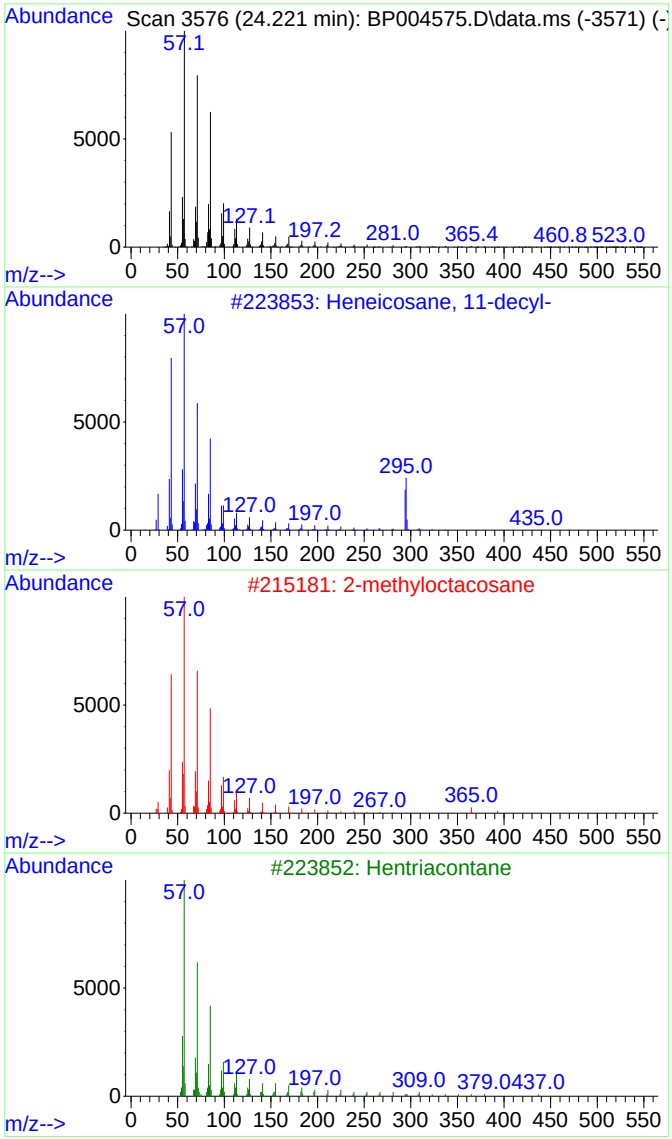
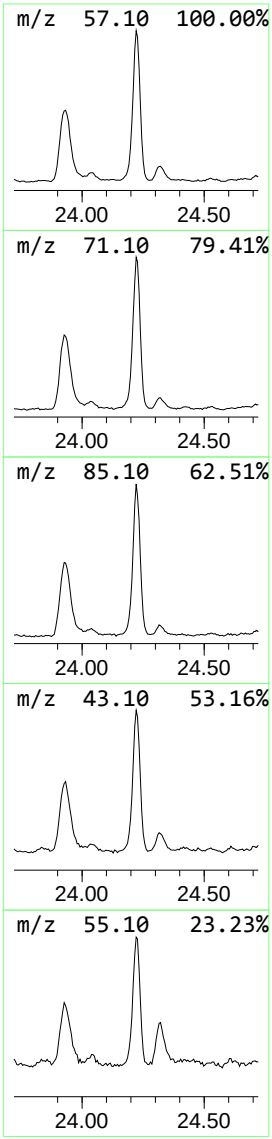
Peak Number 19 Hentriacontane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.221 | 7.47 ng | 1173350 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 93 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 5 | Hexacosane, 9-octyl- | 479 | C34H70 | 055429-83-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

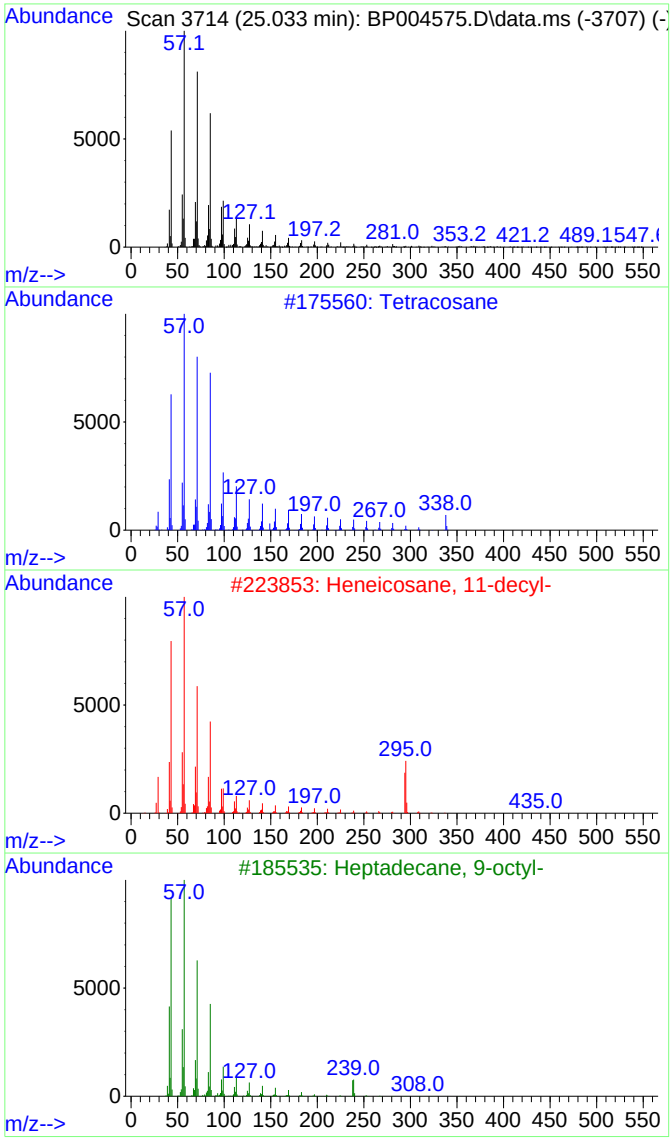
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

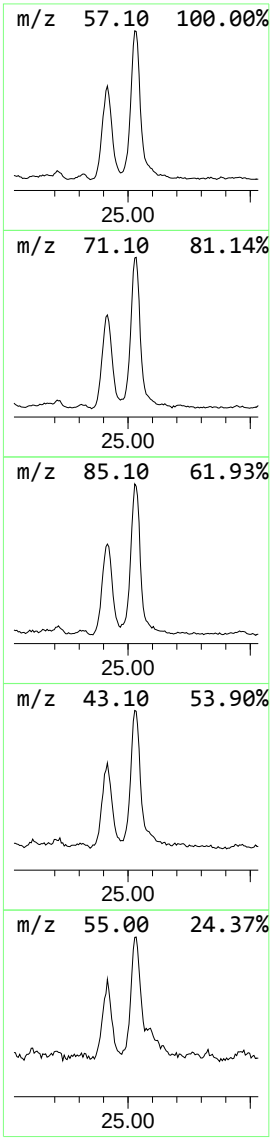
**********

Peak Number 20 Tetracosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.033 | 6.47 ng | 1016080 | Perylene-d12 | 23.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 93 |
| 2 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 93 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004575.D
Acq On : 15 Jan 2021 13:39
Operator : CG/JU
Sample : M1090-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** BORE-3-1FT-7FT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.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 |
| n-Hexadecanoic ... | 18.110 | 28.1 | ng | 2909800 | 4 | 17.216 | 2068620 | 20.0 |
| Morpholine, 4-p... | 18.763 | 20.1 | ng | 2081430 | 4 | 17.216 | 2068620 | 20.0 |
| Glyoxylamide, N... | 18.875 | 28.0 | ng | 2891680 | 4 | 17.216 | 2068620 | 20.0 |
| 2,5,8,11-Tetrao... | 18.957 | 63.6 | ng | 6579300 | 4 | 17.216 | 2068620 | 20.0 |
| 1-Propanol, 2-[... | 19.104 | 4.8 | ng | 492044 | 4 | 17.216 | 2068620 | 20.0 |
| 9-Octadecenoic ... | 19.227 | 6.6 | ng | 679545 | 4 | 17.216 | 2068620 | 20.0 |
| Octadecanoic acid | 19.345 | 9.0 | ng | 1168150 | 5 | 21.310 | 2595200 | 20.0 |
| Hexacosane | 20.433 | 6.0 | ng | 774043 | 5 | 21.310 | 2595200 | 20.0 |
| Cyclotetracosane | 21.016 | 12.3 | ng | 1590010 | 5 | 21.310 | 2595200 | 20.0 |
| unknown21.07 | 21.075 | 5.4 | ng | 699530 | 5 | 21.310 | 2595200 | 20.0 |
| Heptadecane | 21.680 | 6.3 | ng | 810604 | 5 | 21.310 | 2595200 | 20.0 |
| Heptadecane, 9-... | 21.898 | 5.4 | ng | 700852 | 5 | 21.310 | 2595200 | 20.0 |
| Indigo | 22.339 | 12.3 | ng | 1590670 | 5 | 21.310 | 2595200 | 20.0 |
| 2-methyloctacosane | 22.386 | 8.7 | ng | 1125460 | 5 | 21.310 | 2595200 | 20.0 |
| Nonadecane | 22.921 | 6.0 | ng | 948536 | 6 | 23.657 | 3141170 | 20.0 |
| Heneicosane | 23.086 | 4.8 | ng | 749907 | 6 | 23.657 | 3141170 | 20.0 |
| Heneicosane, 11... | 23.527 | 6.2 | ng | 974614 | 6 | 23.657 | 3141170 | 20.0 |
| Heptadecane, 3-... | 23.927 | 4.8 | ng | 759437 | 6 | 23.657 | 3141170 | 20.0 |
| Hentriacontane | 24.221 | 7.5 | ng | 1173350 | 6 | 23.657 | 3141170 | 20.0 |
| Tetracosane | 25.033 | 6.5 | ng | 1016080 | 6 | 23.657 | 3141170 | 20.0 |