LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

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-BP020722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009125.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.387 | 402 | 408 | 435 | rBV | 2451064 | 4314431 | 28.81% | 3.732% |
| 2 | 6.987 | 673 | 680 | 696 | rBV | 2676379 | 4761204 | 31.79% | 4.119% |
| 3 | 7.793 | 807 | 817 | 825 | rBV | 651363 | 1128617 | 7.54% | 0.976% |
| 4 | 8.957 | 1007 | 1015 | 1024 | rBV | 1618119 | 3027432 | 20.22% | 2.619% |
| 5 | 10.587 | 1281 | 1292 | 1308 | rBV | 1000604 | 1890265 | 12.62% | 1.635% |
| 6 | 13.057 | 1704 | 1712 | 1725 | rBV | 5642972 | 8760795 | 58.50% | 7.579% |
| 7 | 14.157 | 1894 | 1899 | 1906 | rVB | 131409 | 201328 | 1.34% | 0.174% |
| 8 | 14.434 | 1939 | 1946 | 1953 | rVV | 1888599 | 2905424 | 19.40% | 2.513% |
| 9 | 14.498 | 1953 | 1957 | 1966 | rVB | 175534 | 273504 | 1.83% | 0.237% |
| 10 | 14.839 | 2010 | 2015 | 2020 | rBV | 109610 | 157711 | 1.05% | 0.136% |
| 11 | 15.486 | 2120 | 2125 | 2138 | rVB | 227117 | 387588 | 2.59% | 0.335% |
| 12 | 15.933 | 2194 | 2201 | 2221 | rBV | 5127821 | 8135617 | 54.33% | 7.038% |
| 13 | 16.163 | 2235 | 2240 | 2248 | rVB6 | 81916 | 191388 | 1.28% | 0.166% |
| 14 | 17.010 | 2380 | 2384 | 2393 | rVB2 | 166328 | 275005 | 1.84% | 0.238% |
| 15 | 17.192 | 2409 | 2415 | 2419 | rBV | 2554564 | 3833144 | 25.60% | 3.316% |
| 16 | 17.233 | 2419 | 2422 | 2429 | rVV | 2012576 | 2797614 | 18.68% | 2.420% |
| 17 | 17.328 | 2433 | 2438 | 2444 | rVB | 681330 | 995124 | 6.65% | 0.861% |
| 18 | 17.610 | 2482 | 2486 | 2493 | rVB | 114073 | 175982 | 1.18% | 0.152% |
| 19 | 17.869 | 2526 | 2530 | 2534 | rVB | 228409 | 273234 | 1.82% | 0.236% |
| 20 | 18.063 | 2559 | 2563 | 2565 | rBV | 270997 | 356231 | 2.38% | 0.308% |
| 21 | 18.092 | 2565 | 2568 | 2580 | rVV2 | 737179 | 1575962 | 10.52% | 1.363% |
| 22 | 18.192 | 2581 | 2585 | 2590 | rVV | 197135 | 304387 | 2.03% | 0.263% |
| 23 | 18.251 | 2590 | 2595 | 2599 | rVV3 | 537454 | 960962 | 6.42% | 0.831% |
| 24 | 18.286 | 2599 | 2601 | 2606 | rVB | 208290 | 265620 | 1.77% | 0.230% |
| 25 | 18.545 | 2642 | 2645 | 2650 | rVV | 196587 | 256406 | 1.71% | 0.222% |
| 26 | 18.969 | 2710 | 2717 | 2720 | rBV2 | 471945 | 866332 | 5.79% | 0.749% |
| 27 | 19.004 | 2720 | 2723 | 2728 | rVB3 | 409619 | 581744 | 3.88% | 0.503% |
| 28 | 19.210 | 2752 | 2758 | 2765 | rBV | 5723050 | 8112372 | 54.17% | 7.018% |
| 29 | 19.327 | 2772 | 2778 | 2781 | rBV2 | 257656 | 487636 | 3.26% | 0.422% |
| 30 | 19.533 | 2809 | 2813 | 2814 | rBV | 969500 | 1124644 | 7.51% | 0.973% |
| 31 | 19.563 | 2814 | 2818 | 2826 | rVB | 4880402 | 7370582 | 49.22% | 6.376% |
| 32 | 19.633 | 2826 | 2830 | 2836 | rBV2 | 248615 | 352977 | 2.36% | 0.305% |
| 33 | 19.757 | 2845 | 2851 | 2856 | rBV | 10817396 | 14975463 | 100.00% | 12.955% |
| 34 | 19.886 | 2867 | 2873 | 2879 | rBV2 | 293289 | 721672 | 4.82% | 0.624% |
| 35 | 20.051 | 2890 | 2901 | 2906 | rBV | 901915 | 2033088 | 13.58% | 1.759% |
| 36 | 20.145 | 2913 | 2917 | 2921 | rBV | 700199 | 907154 | 6.06% | 0.785% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

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-BP020722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 20.198 | 2924 | 2926 | 2930 | rVB | 370107 | 476837 | 3.18% | 0.413% |
| 38 | 20.339 | 2947 | 2950 | 2953 | rBV | 247531 | 304652 | 2.03% | 0.264% |
| 39 | 20.380 | 2955 | 2957 | 2961 | rVB | 225230 | 283199 | 1.89% | 0.245% |
| 40 | 20.939 | 3050 | 3052 | 3055 | rBV | 324211 | 416130 | 2.78% | 0.360% |
| 41 | 20.998 | 3056 | 3062 | 3064 | rBV2 | 1513502 | 2549586 | 17.03% | 2.206% |
| 42 | 21.286 | 3105 | 3111 | 3115 | rBV2 | 3799237 | 7907660 | 52.80% | 6.841% |
| 43 | 21.327 | 3115 | 3118 | 3122 | rVB | 2134316 | 2613680 | 17.45% | 2.261% |
| 44 | 21.404 | 3127 | 3131 | 3136 | rBV2 | 2588343 | 4387818 | 29.30% | 3.796% |
| 45 | 22.957 | 3389 | 3395 | 3400 | rBV2 | 1388749 | 3548160 | 23.69% | 3.069% |
| 46 | 23.580 | 3495 | 3501 | 3508 | rBV | 1274726 | 3258496 | 21.76% | 2.819% |
| 47 | 23.686 | 3514 | 3519 | 3525 | rVB3 | 1911752 | 4111879 | 27.46% | 3.557% |

Sum of corrected areas: 115596736

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
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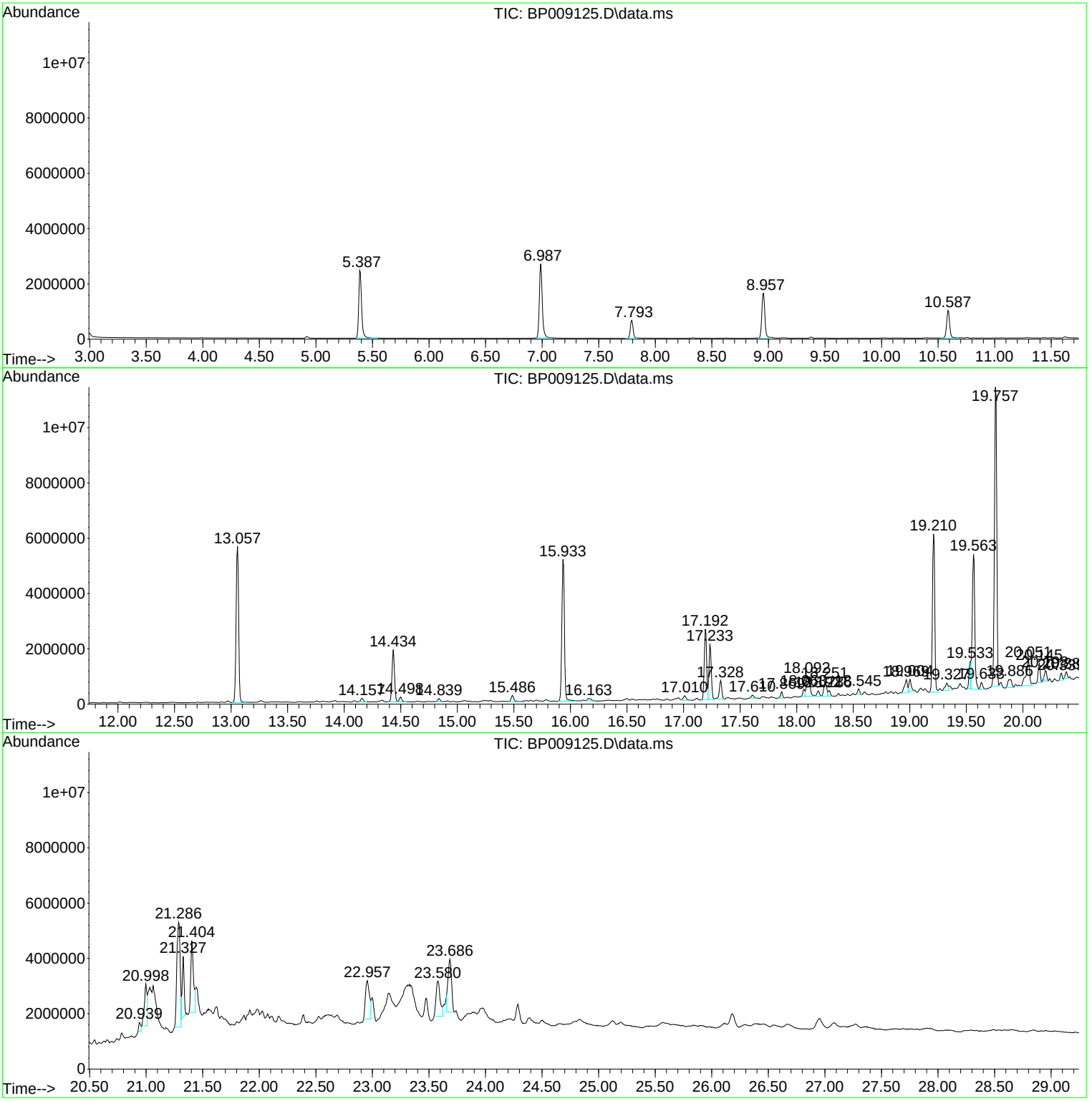
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.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_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

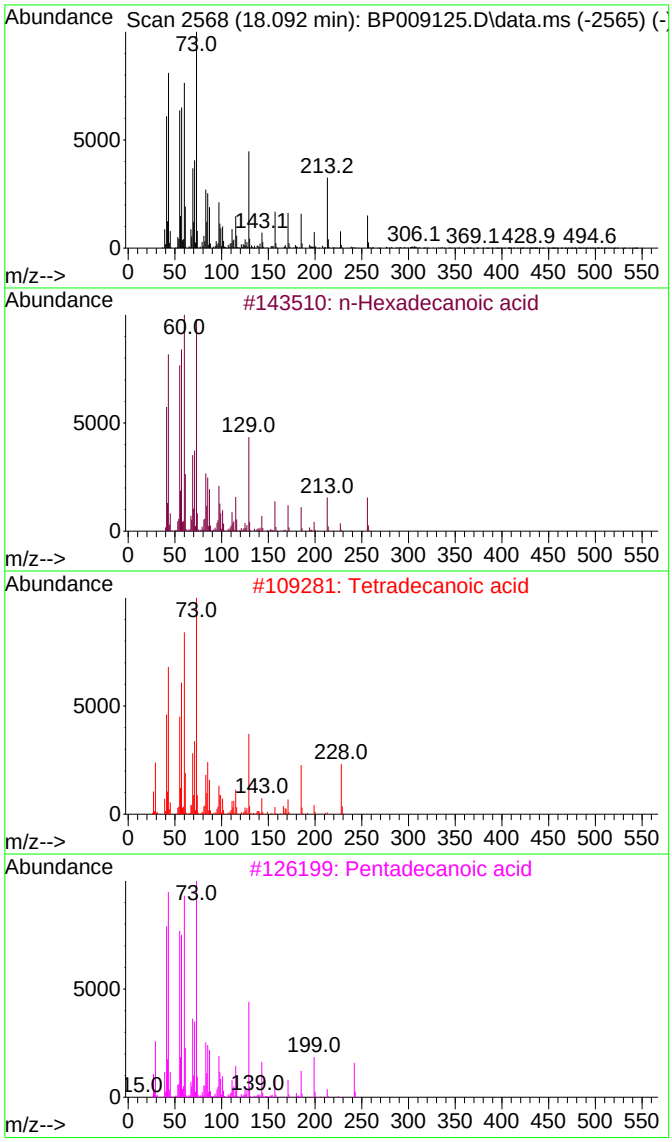
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

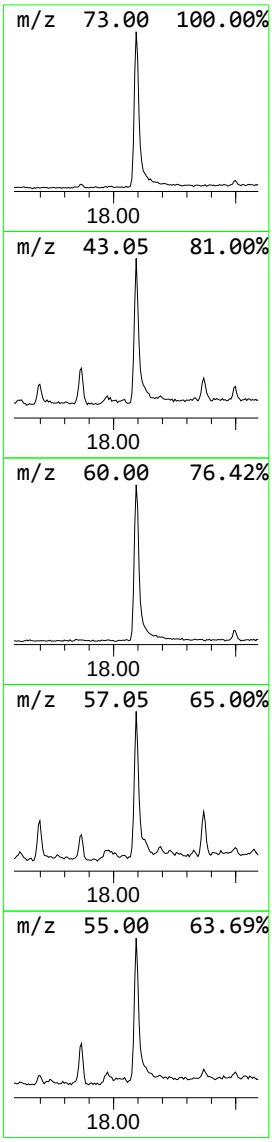
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.092 | 8.22 ng | 1575960 | Phenanthrene-d10 | 17.192 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 81 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

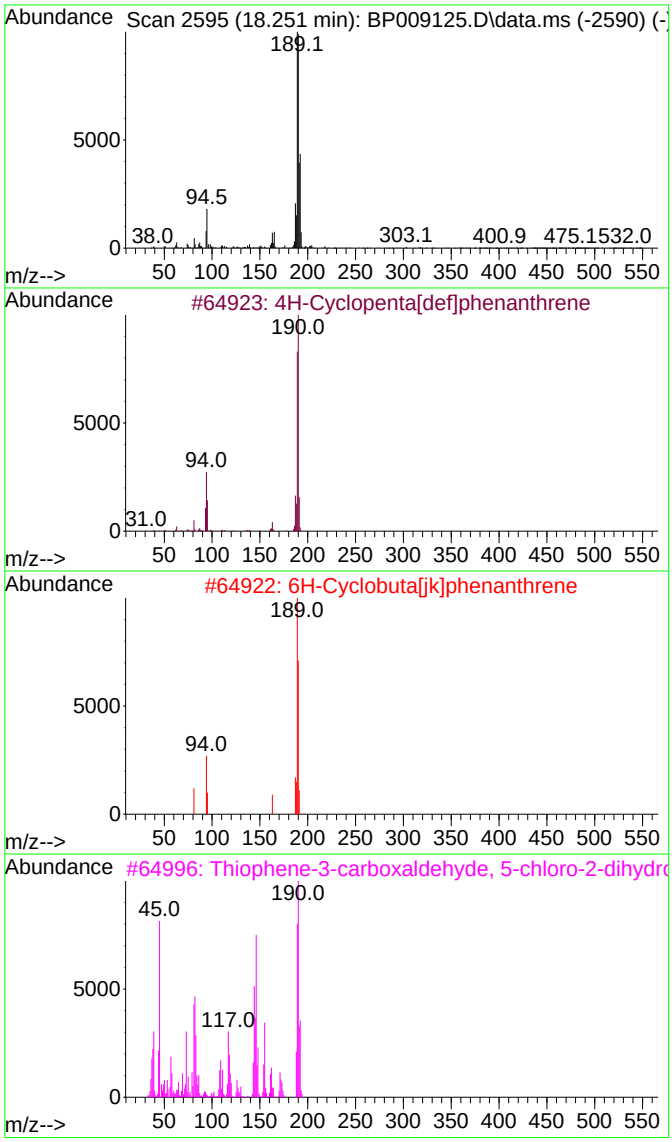
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

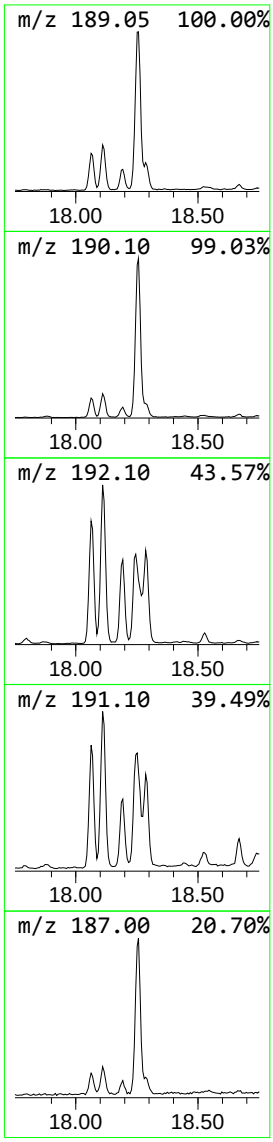
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.251 | 5.01 ng | 960962 | Phenanthrene-d10 | 17.192 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 53 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 53 |
| 4 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50 |
| 5 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

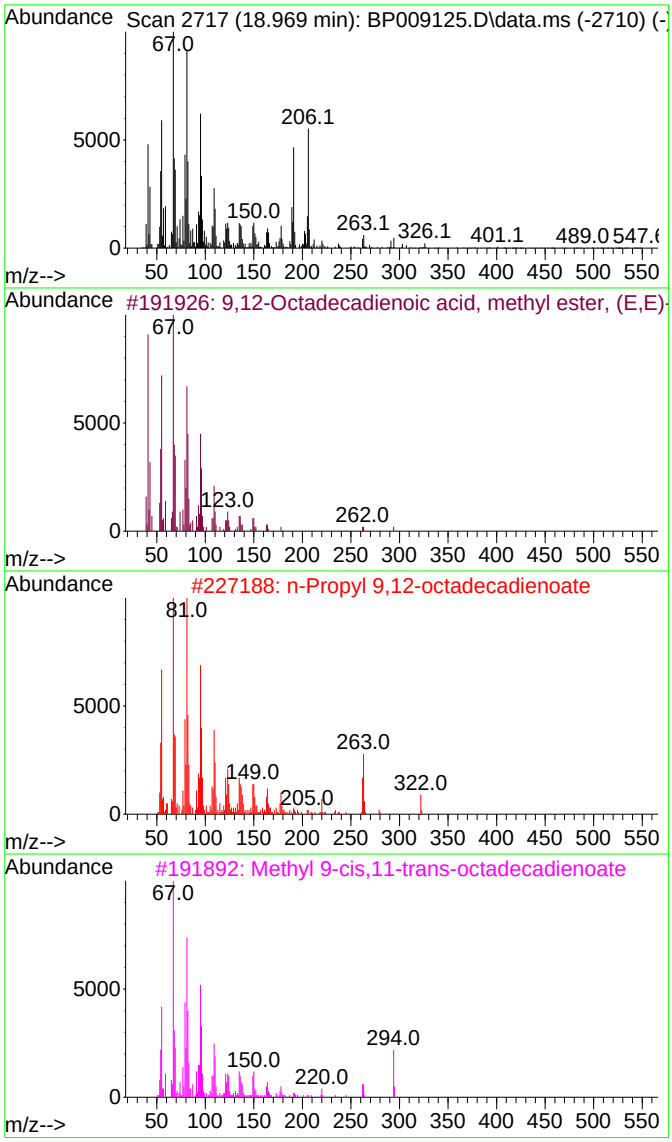
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

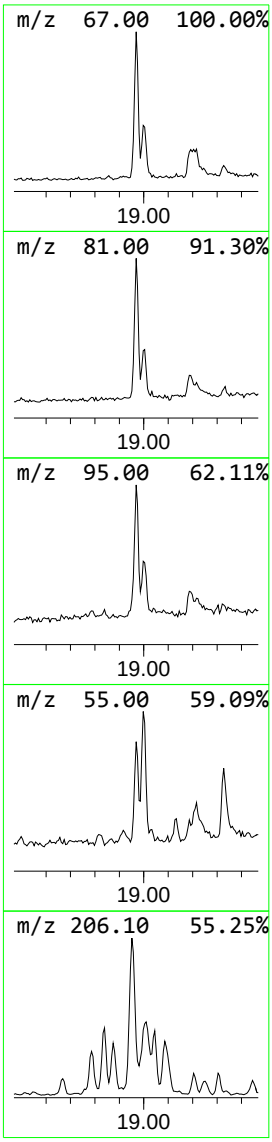
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 9,12-Octadecadienoic acid, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.969 | 4.52 ng | 866332 | Phenanthrene-d10 | 17.192 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 97 |
| 2 | n-Propyl 9,12-octadecadienoate | 322 | C21H38O2 | 1000336-77-8 | 95 |
| 3 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 013058-52-1 | 95 |
| 4 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 95 |
| 5 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

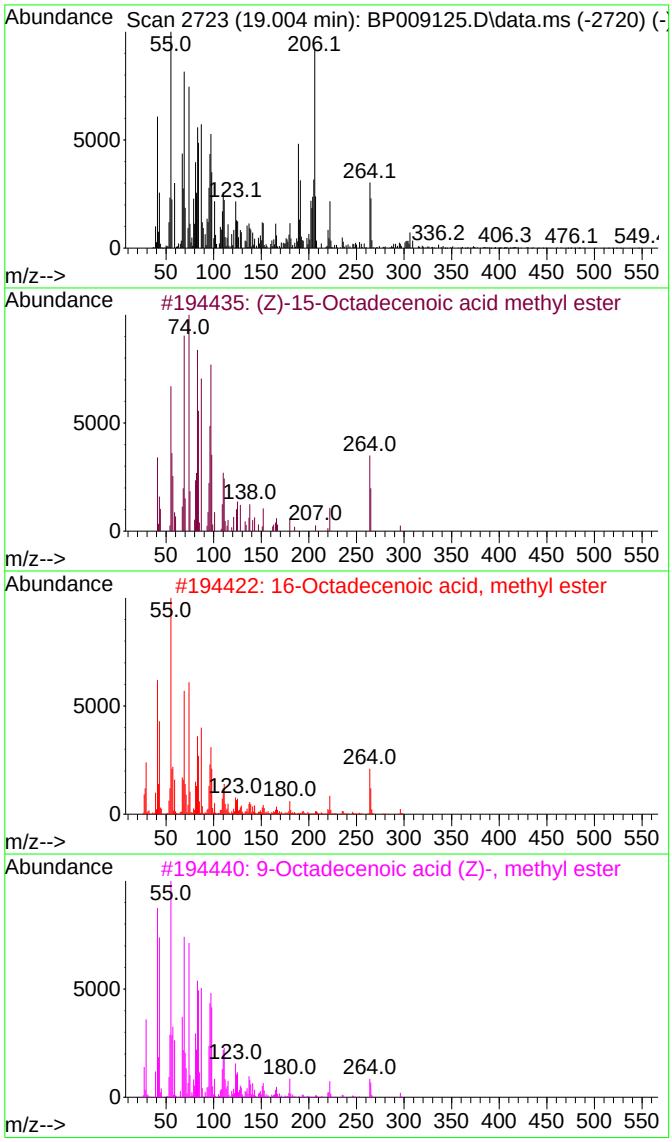
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

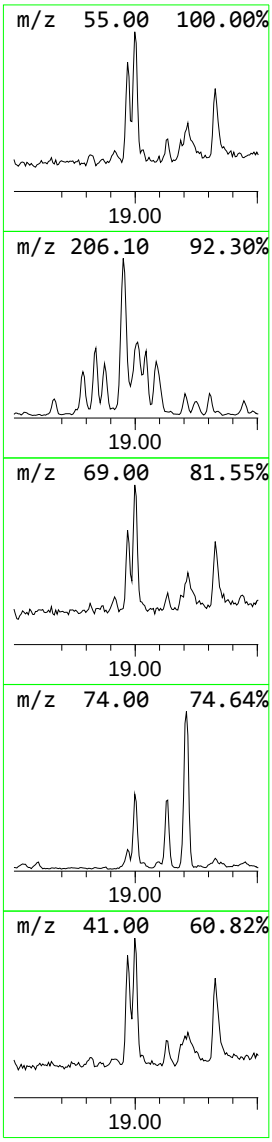
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (Z)-15-Octadecenoic acid me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.004 | 3.04 ng | 581744 | Phenanthrene-d10 | 17.192 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (Z)-15-Octadecenoic acid methyl ... | 296 | C19H36O2 | 1000427-69-3 | 99 |
| 2 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99 |
| 3 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 98 |
| 4 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 95 |
| 5 | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

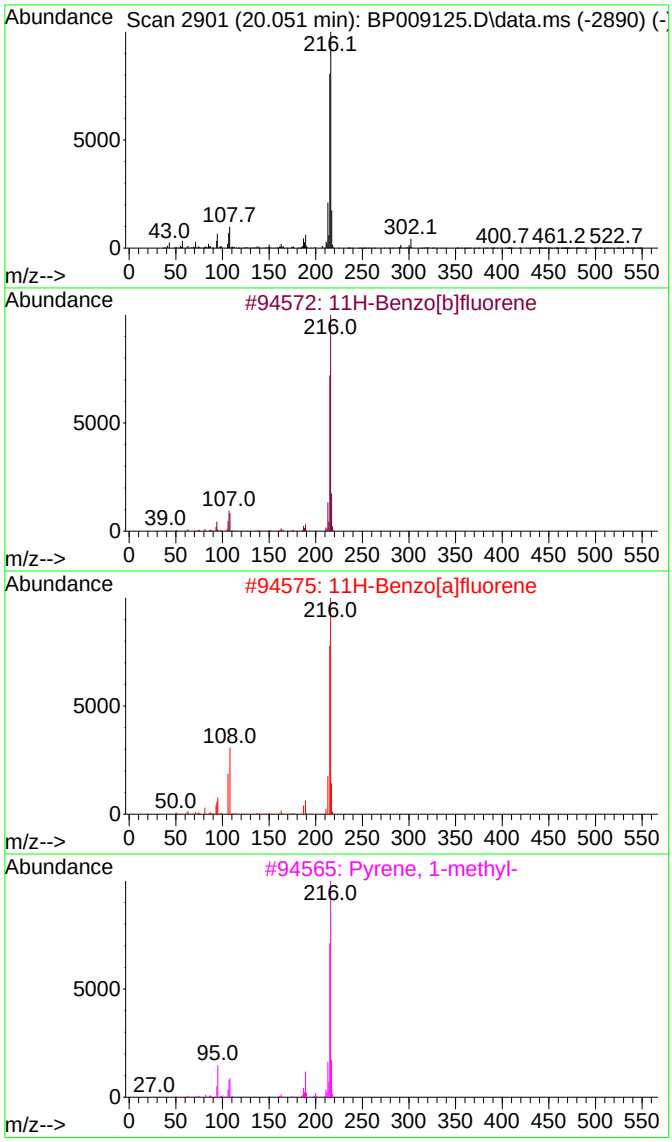
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

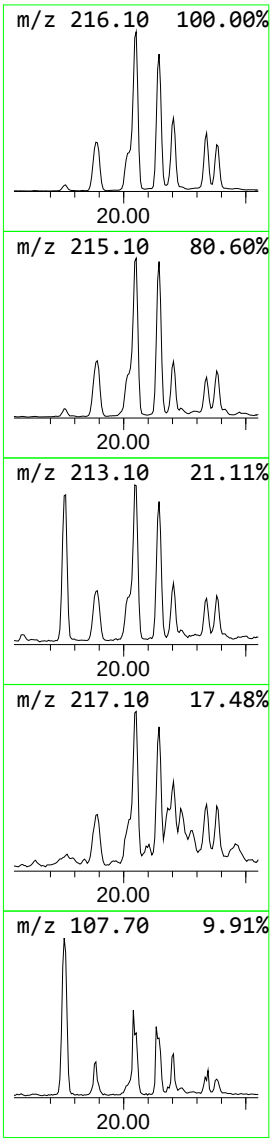
**********

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.051 | 5.14 ng | 2033090 | Chrysene-d12 | 21.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

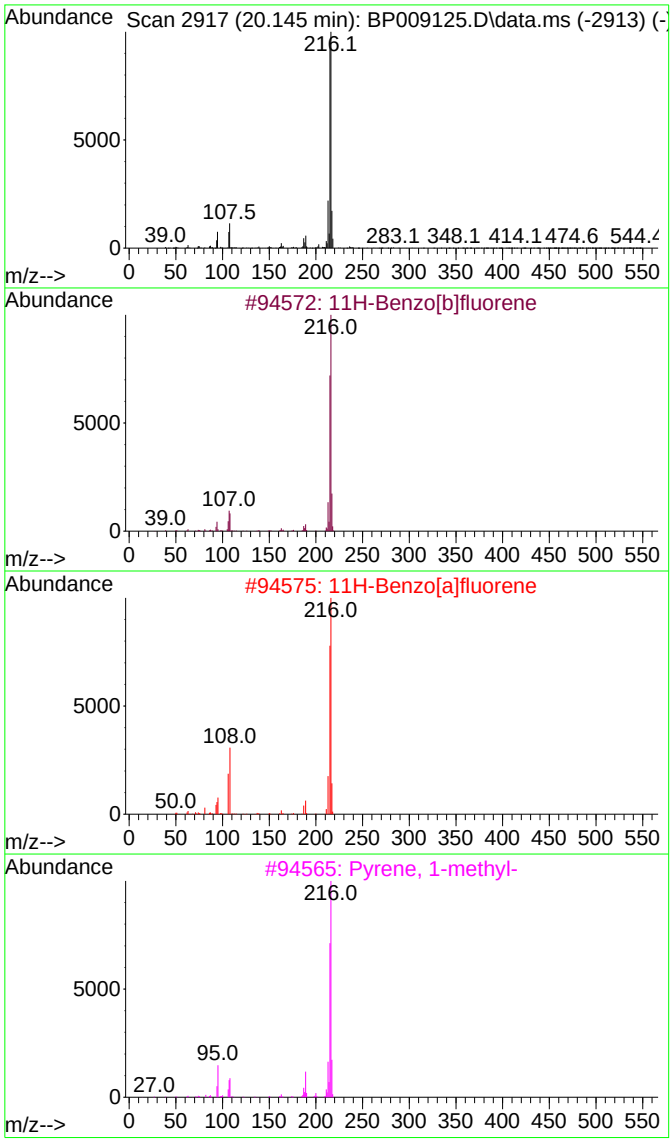
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

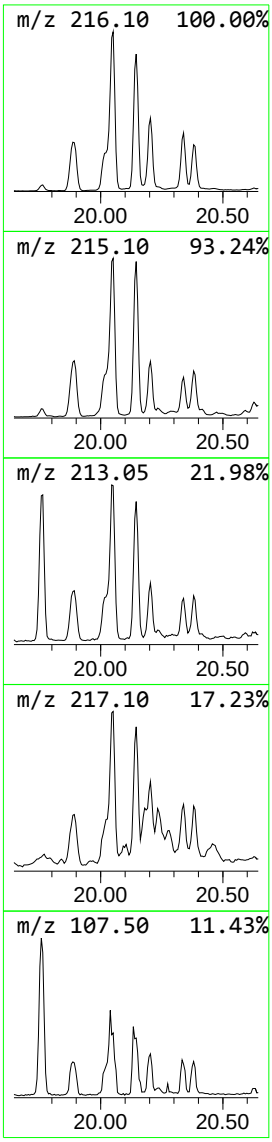
**********

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.145 | 2.29 ng | 907154 | Chrysene-d12 | 21.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 87 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

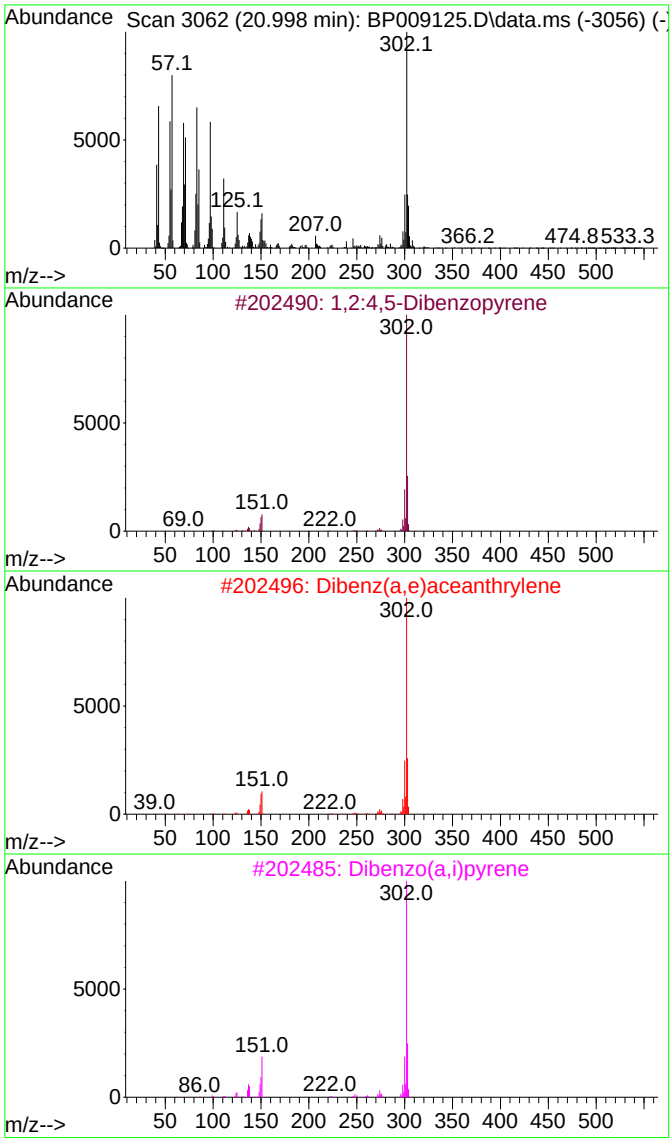
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

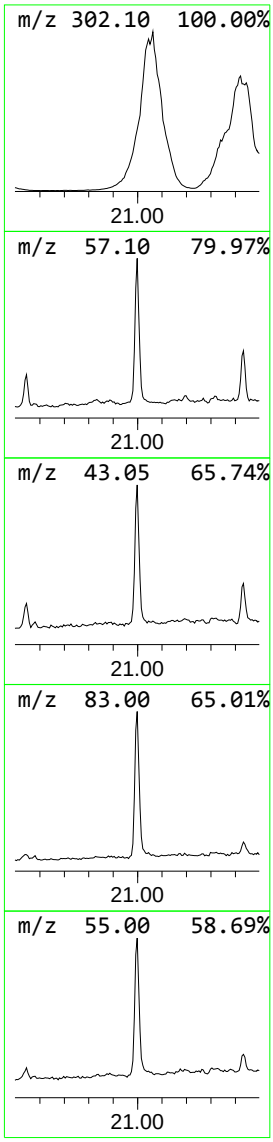
**********

Peak Number 7 1,2:4,5-Dibenzopyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.998 | 6.45 ng | 2549590 | Chrysene-d12 | 21.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2:4,5-Dibenzopyrene | 302 | C24H14 | 000192-65-4 | 97 |
| 2 | Dibenz(a,e)aceanthrylene | 302 | C24H14 | 005385-75-1 | 96 |
| 3 | Dibenzo(a,i)pyrene | 302 | C24H14 | 000189-55-9 | 95 |
| 4 | 3,4:8,9-Dibenzopyrene | 302 | C24H14 | 000189-64-0 | 91 |
| 5 | Dibenzo[fg,op]naphthacene | 302 | C24H14 | 000192-51-8 | 68 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

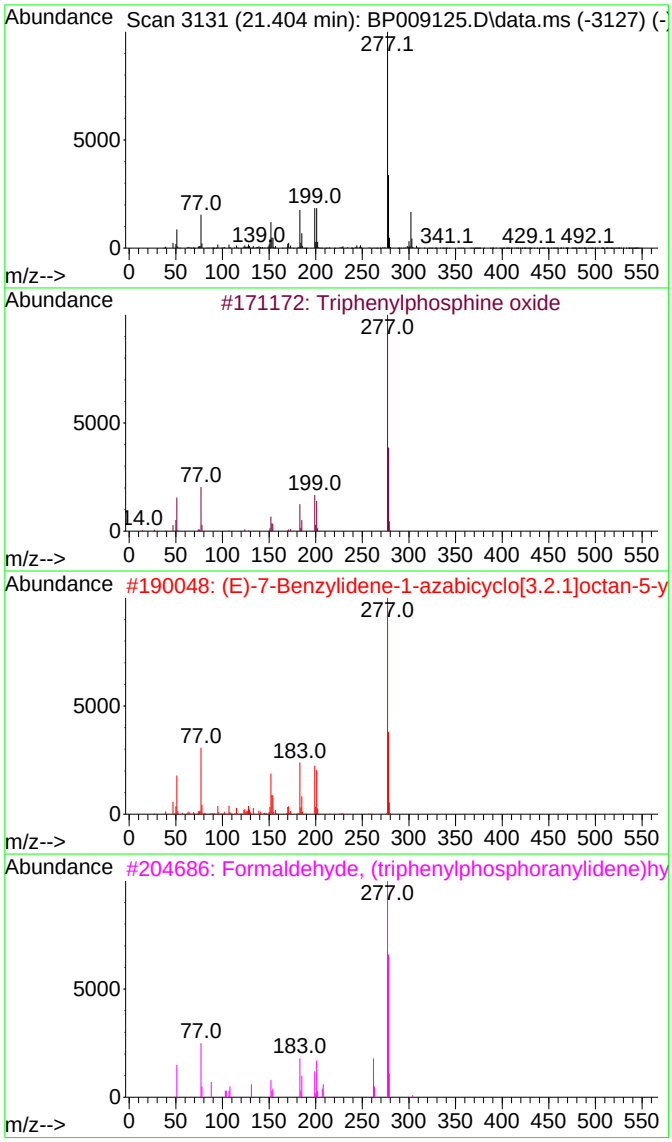
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

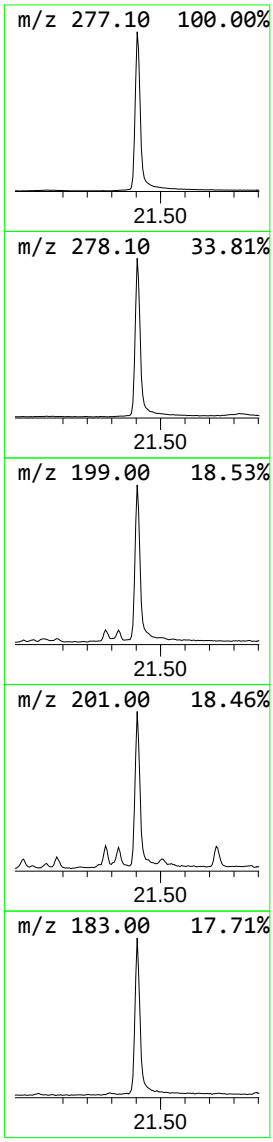
**********

Peak Number 8 Triphenylphosphine oxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.404 | 11.10 ng | 4387820 | Chrysene-d12 | 21.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 94 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 86 |
| 3 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 46 |
| 4 | 3-(3,4-Dichlorophenyl)-2-thioxo-... | 277 | C9H5Cl2NOS2 | 017046-34-3 | 37 |
| 5 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 28 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009125.D
Acq On : 11 Feb 2022 21:51
Operator : CG/JU
Sample : N1495-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
NB-08-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.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 |
| n-Hexadecanoic ... | 18.092 | 8.2 | ng | 1575960 | 4 | 17.192 | 3833140 | 20.0 |
| 4H-Cyclopenta[d... | 18.251 | 5.0 | ng | 960962 | 4 | 17.192 | 3833140 | 20.0 |
| 9,12-Octadecadi... | 18.969 | 4.5 | ng | 866332 | 4 | 17.192 | 3833140 | 20.0 |
| (Z)-15-Octadece... | 19.004 | 3.0 | ng | 581744 | 4 | 17.192 | 3833140 | 20.0 |
| 11H-Benzo[b]flu... | 20.051 | 5.1 | ng | 2033090 | 5 | 21.292 | 7907660 | 20.0 |
| 11H-Benzo[a]flu... | 20.145 | 2.3 | ng | 907154 | 5 | 21.292 | 7907660 | 20.0 |
| 1,2:4,5-Dibenzo... | 20.998 | 6.5 | ng | 2549590 | 5 | 21.292 | 7907660 | 20.0 |
| Triphenylphosph... | 21.404 | 11.1 | ng | 4387820 | 5 | 21.292 | 7907660 | 20.0 |