LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SA-01-010821

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: BP004522.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 | 370 | 376 | 396 | rBV | 1307815 | 2025038 | 4.42% | 1.124% |
| 2 | 6.981 | 636 | 645 | 662 | rBV | 1280910 | 2216718 | 4.84% | 1.230% |
| 3 | 7.810 | 778 | 786 | 795 | rBV | 847096 | 1371803 | 3.00% | 0.761% |
| 4 | 8.969 | 976 | 983 | 992 | rBV | 802207 | 1325985 | 2.90% | 0.736% |
| 5 | 10.610 | 1251 | 1262 | 1268 | rBV | 1110893 | 2043558 | 4.47% | 1.134% |
| 6 | 13.075 | 1675 | 1681 | 1691 | rVB | 2405603 | 3617224 | 7.90% | 2.007% |
| 7 | 14.463 | 1909 | 1917 | 1923 | rVV | 1904678 | 2903835 | 6.34% | 1.612% |
| 8 | 15.963 | 2165 | 2172 | 2179 | rBV | 2070080 | 3214375 | 7.02% | 1.784% |
| 9 | 16.186 | 2206 | 2210 | 2219 | rBV | 333707 | 658665 | 1.44% | 0.366% |
| 10 | 17.039 | 2351 | 2355 | 2366 | rVB | 324389 | 530278 | 1.16% | 0.294% |
| 11 | 17.228 | 2381 | 2387 | 2390 | rBV | 2143495 | 3333697 | 7.28% | 1.850% |
| 12 | 17.269 | 2390 | 2394 | 2401 | rVV | 2934909 | 4166703 | 9.10% | 2.312% |
| 13 | 17.357 | 2405 | 2409 | 2414 | rVB | 621625 | 882192 | 1.93% | 0.490% |
| 14 | 17.728 | 2468 | 2472 | 2476 | rBV2 | 286433 | 462676 | 1.01% | 0.257% |
| 15 | 17.769 | 2476 | 2479 | 2483 | rVB | 542617 | 618505 | 1.35% | 0.343% |
| 16 | 17.904 | 2496 | 2502 | 2507 | rBV | 15287738 | 20444225 | 44.67% | 11.346% |
| 17 | 18.092 | 2530 | 2534 | 2537 | rBV | 424707 | 612013 | 1.34% | 0.340% |
| 18 | 18.139 | 2539 | 2542 | 2549 | rVB | 633967 | 930139 | 2.03% | 0.516% |
| 19 | 18.286 | 2561 | 2567 | 2570 | rVV2 | 584024 | 1086722 | 2.37% | 0.603% |
| 20 | 19.016 | 2682 | 2691 | 2694 | rBV | 22107156 | 45767266 | 100.00% | 25.399% |
| 21 | 19.051 | 2694 | 2697 | 2705 | rVV3 | 20880514 | 32935935 | 71.96% | 18.278% |
| 22 | 19.163 | 2712 | 2716 | 2722 | rVB | 8402152 | 9931554 | 21.70% | 5.512% |
| 23 | 19.239 | 2724 | 2729 | 2735 | rBV | 3617109 | 4866841 | 10.63% | 2.701% |
| 24 | 19.516 | 2773 | 2776 | 2780 | rVB | 396562 | 468657 | 1.02% | 0.260% |
| 25 | 19.598 | 2781 | 2790 | 2798 | rVB | 2947938 | 5041572 | 11.02% | 2.798% |
| 26 | 19.792 | 2817 | 2823 | 2827 | rBV | 4171728 | 5552827 | 12.13% | 3.082% |
| 27 | 20.027 | 2860 | 2863 | 2864 | rBV2 | 483261 | 458580 | 1.00% | 0.254% |
| 28 | 20.080 | 2869 | 2872 | 2876 | rVV2 | 577635 | 1006505 | 2.20% | 0.559% |
| 29 | 20.122 | 2876 | 2879 | 2885 | rVB5 | 568978 | 771900 | 1.69% | 0.428% |
| 30 | 20.227 | 2893 | 2897 | 2901 | rBV3 | 1017205 | 1333760 | 2.91% | 0.740% |
| 31 | 20.822 | 2993 | 2998 | 3004 | rVB3 | 423944 | 923763 | 2.02% | 0.513% |
| 32 | 21.092 | 3041 | 3044 | 3051 | rVB3 | 668806 | 953757 | 2.08% | 0.529% |
| 33 | 21.157 | 3051 | 3055 | 3060 | rBV | 740486 | 842347 | 1.84% | 0.467% |
| 34 | 21.316 | 3076 | 3082 | 3086 | rBV2 | 3648746 | 6870015 | 15.01% | 3.813% |
| 35 | 21.357 | 3086 | 3089 | 3098 | rVB | 1703637 | 2264488 | 4.95% | 1.257% |
| 36 | 22.963 | 3357 | 3362 | 3367 | rBV | 1041480 | 2145295 | 4.69% | 1.191% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SA-01-010821

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 | 23.568 | 3461 | 3465 | 3473 | rVB | 1075882 | 2098273 | 4.58% | 1.164% |
| 38 | 23.674 | 3478 | 3483 | 3489 | rVB2 | 1802162 | 3513333 | 7.68% | 1.950% |

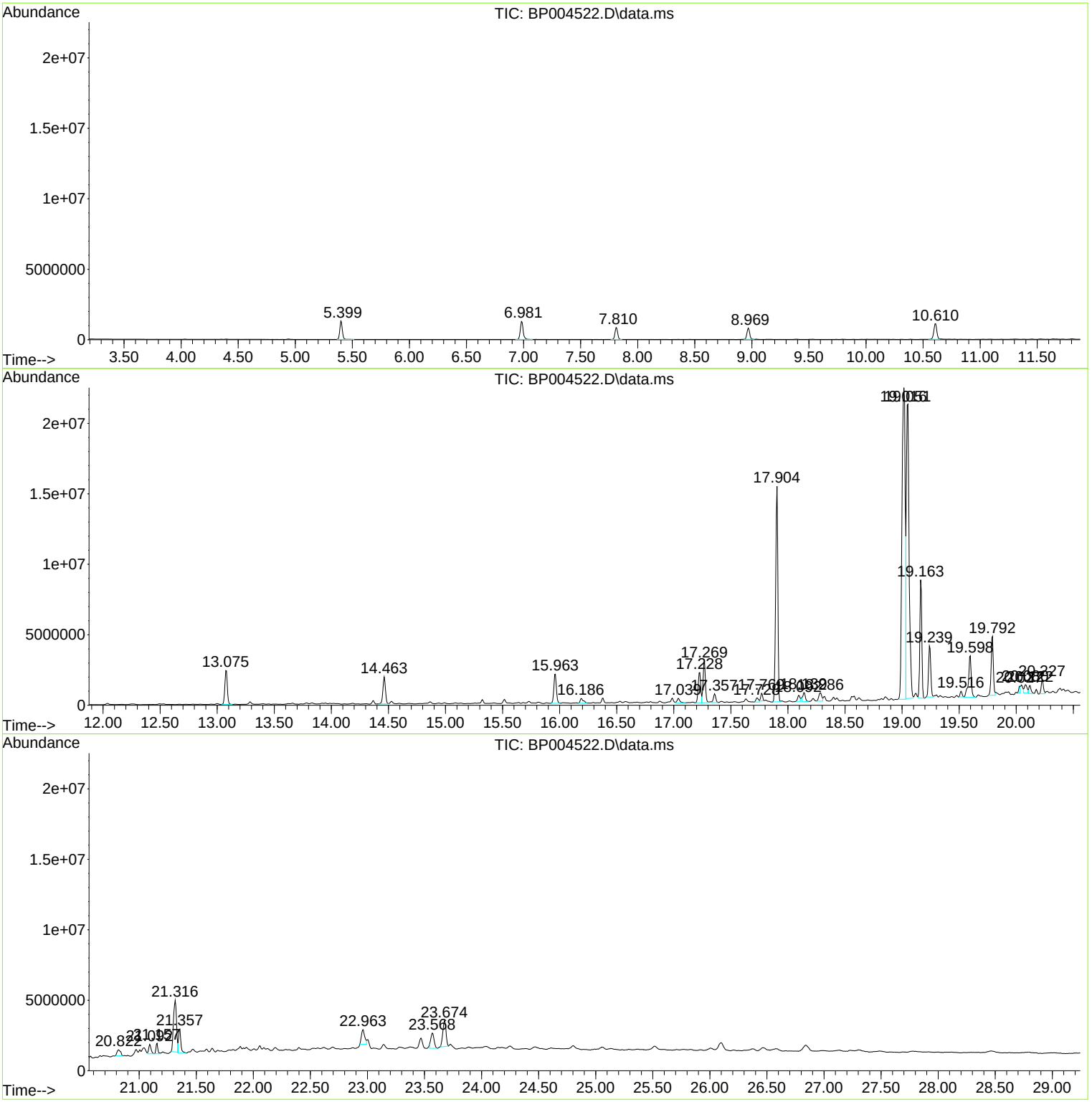
Sum of corrected areas: 180191019

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

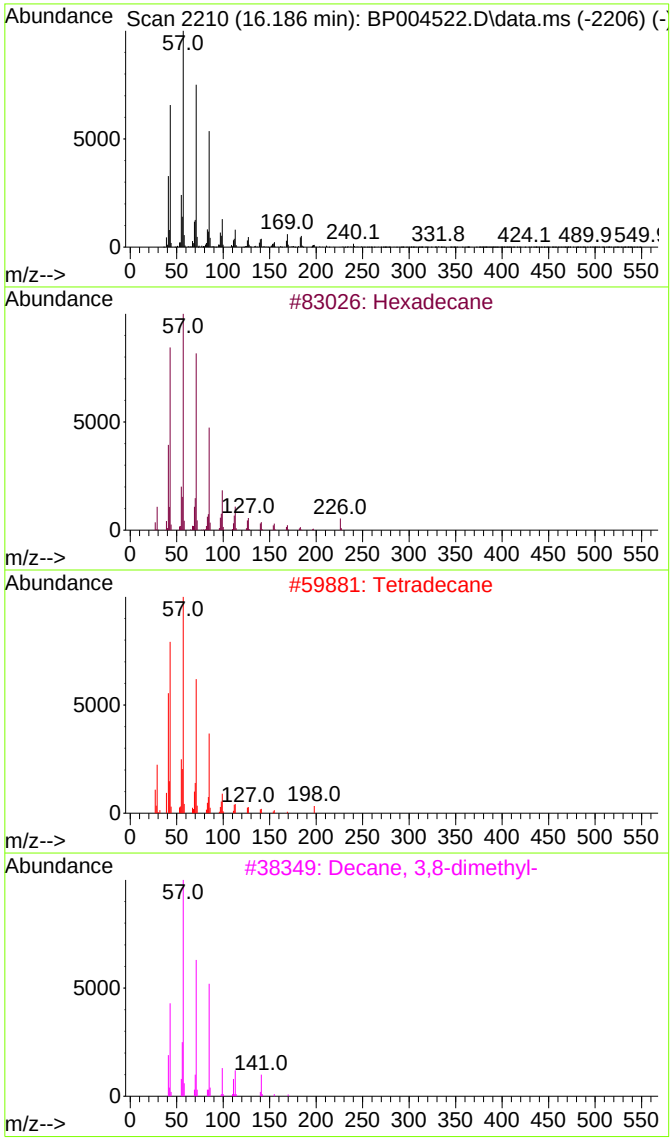
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

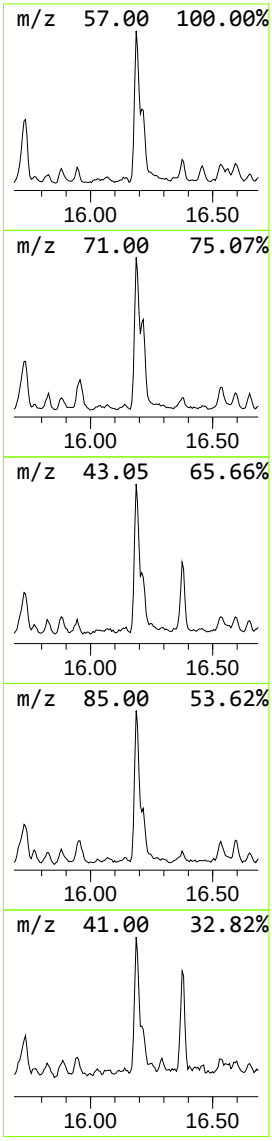
**********

Peak Number 1 Hexadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.186 | 3.95 ng | 658665 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 89 |
| 3 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 87 |
| 4 | Borane, diethyl(decyloxy)- | 226 | C14H31BO | 1000152-34-3 | 87 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

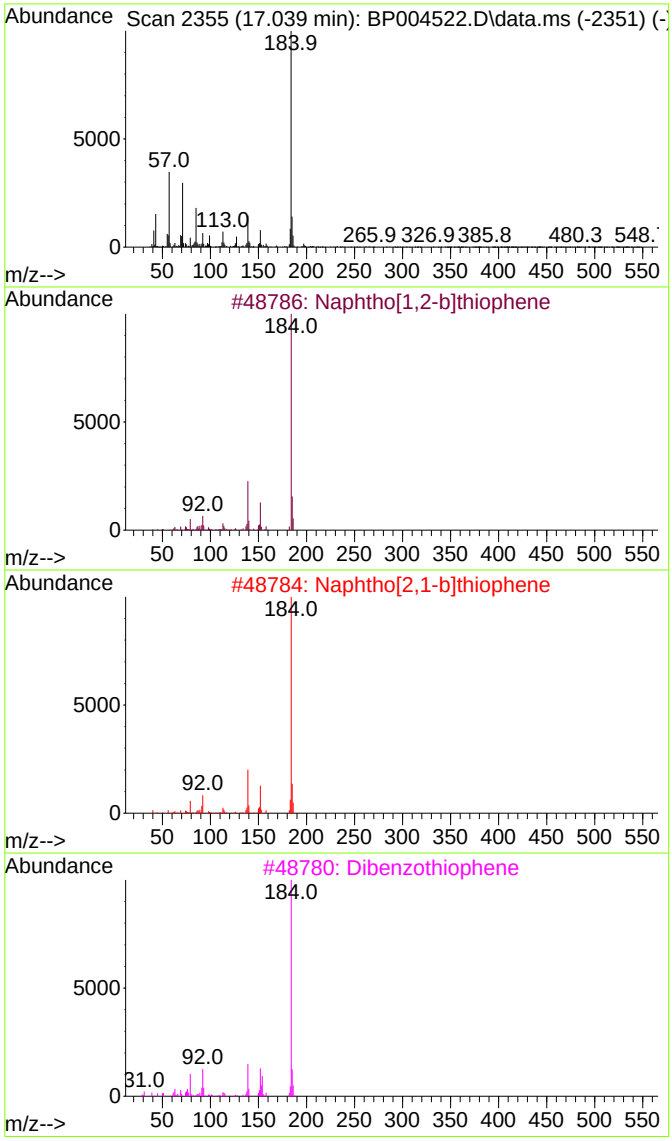
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

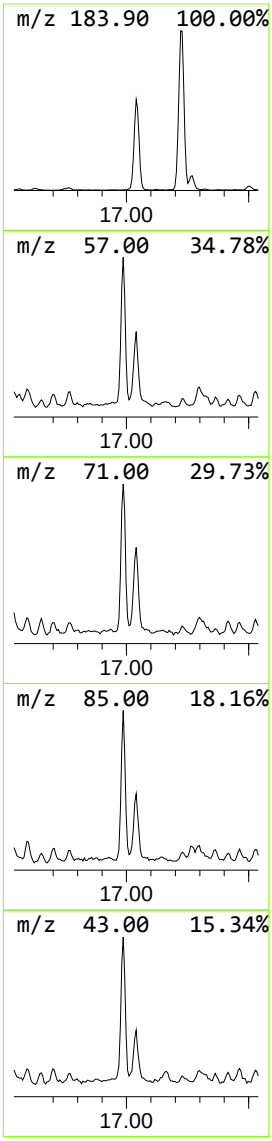
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Naphtho[1,2-b]thiophene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.039 | 3.18 ng | 530278 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 89 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 76 |
| 4 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 70 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 68 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SA-01-010821

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

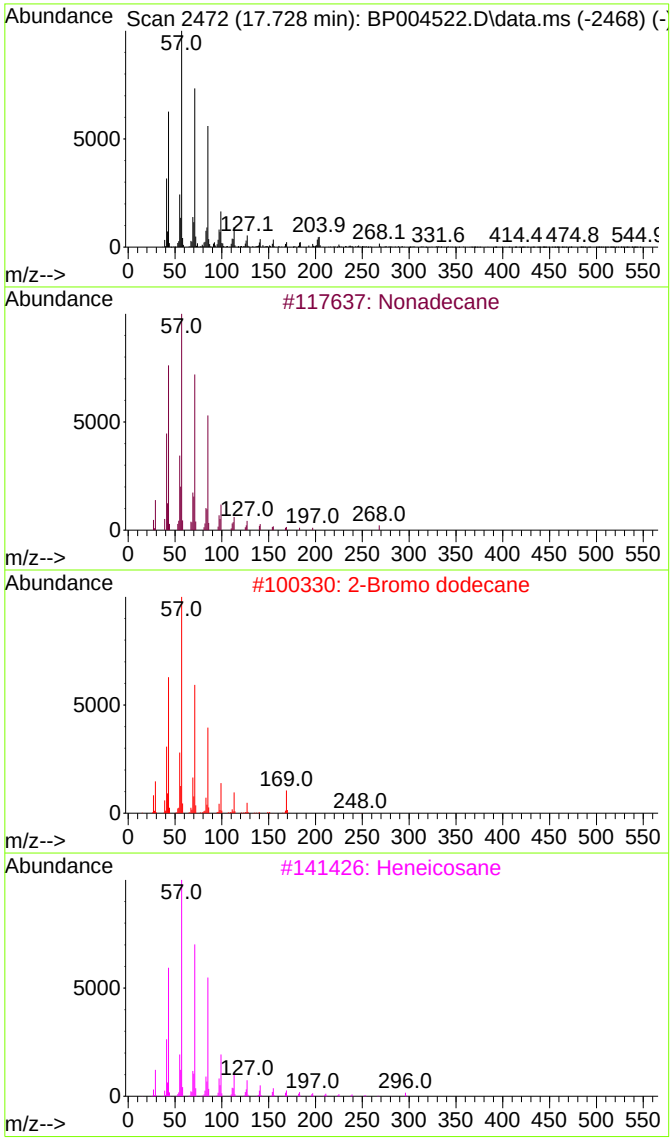
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

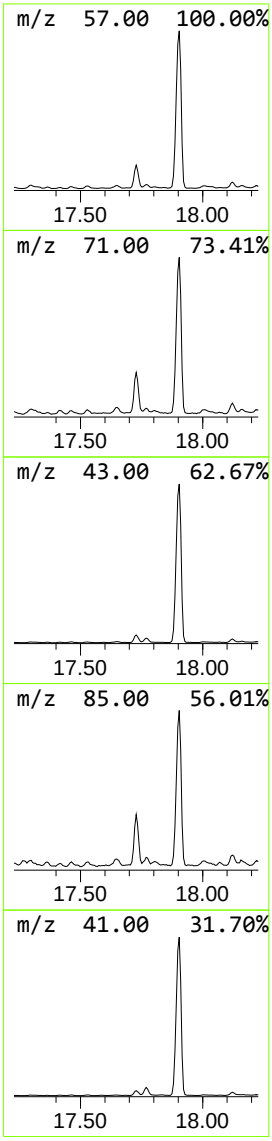
**********

Peak Number 3 Nonadecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.728 | 2.78 ng | 462676 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 95 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 5 | Hexadecane, 5-butyl- | 282 | C20H42 | 006912-07-8 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

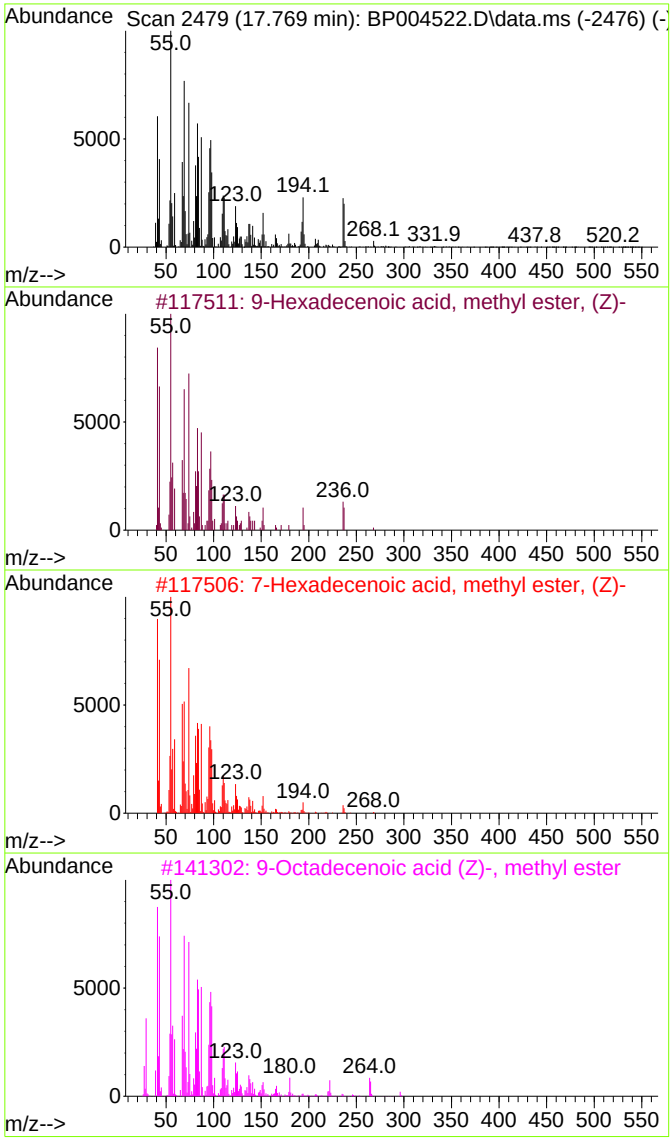
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

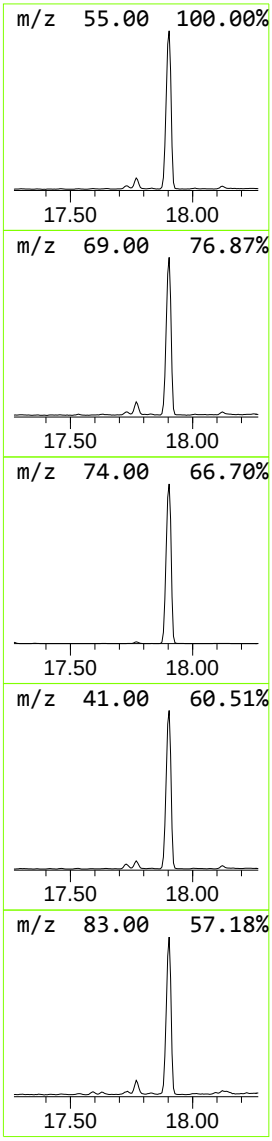
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.769 | 3.71 ng | 618505 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8 | 99 |
| 2 | 7-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 056875-67-3 | 95 |
| 3 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 93 |
| 4 | Methyl hexadec-9-enoate | 268 | C17H32O2 | 010030-74-7 | 91 |
| 5 | cis-10-Heptadecenoic acid, methy... | 282 | C18H34O2 | 1000333-62-1 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

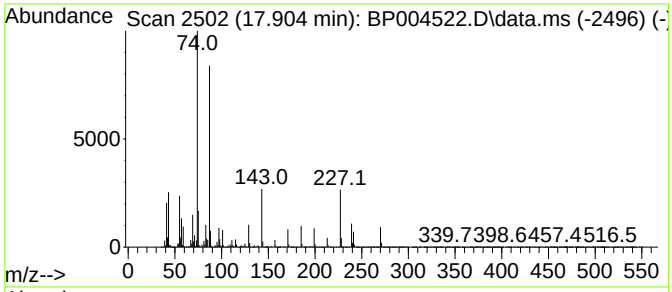
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

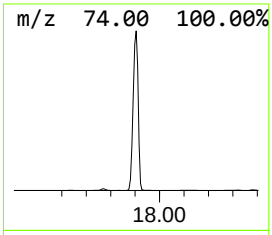
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

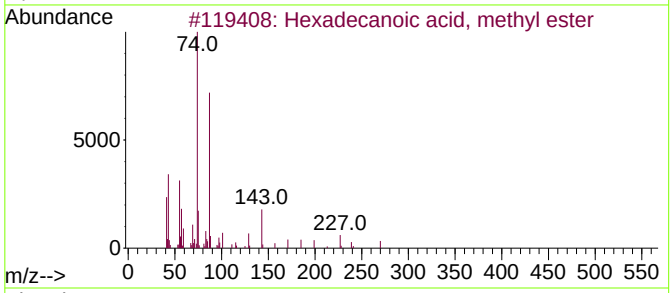
**********
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 3

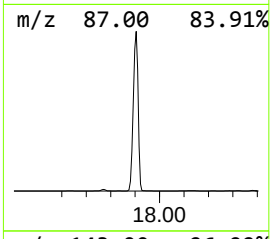
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.904 | 122.65 ng | 20444200 | Phenanthrene-d10 | 17.228 |

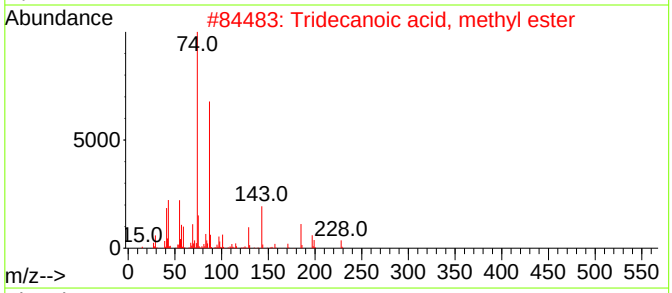
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 97 |
| 2 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 96 |
| 3 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95 |
| 4 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 89 |
| 5 | Methyl 9-methyltetradecanoate | 256 | C16H32O2 | 213617-69-7 | 81 |

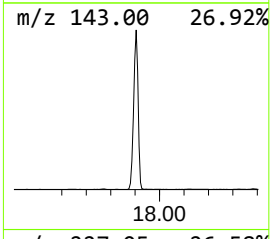


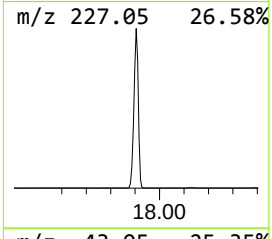



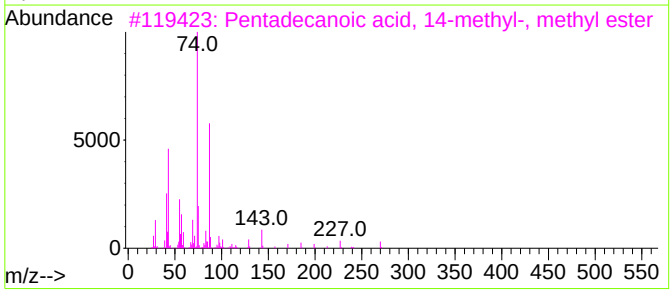



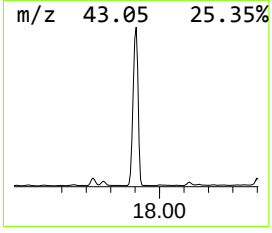



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

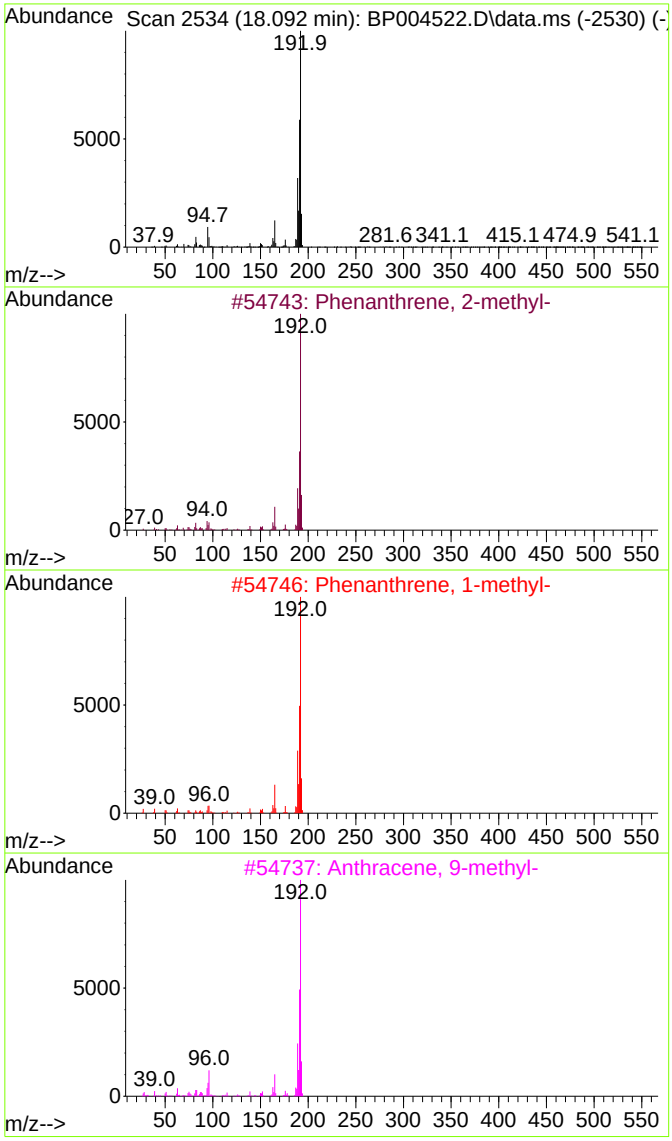
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

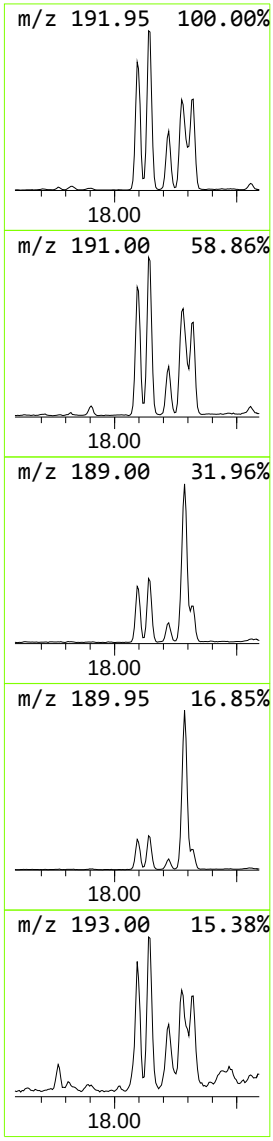
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.092 | 3.67 ng | 612013 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

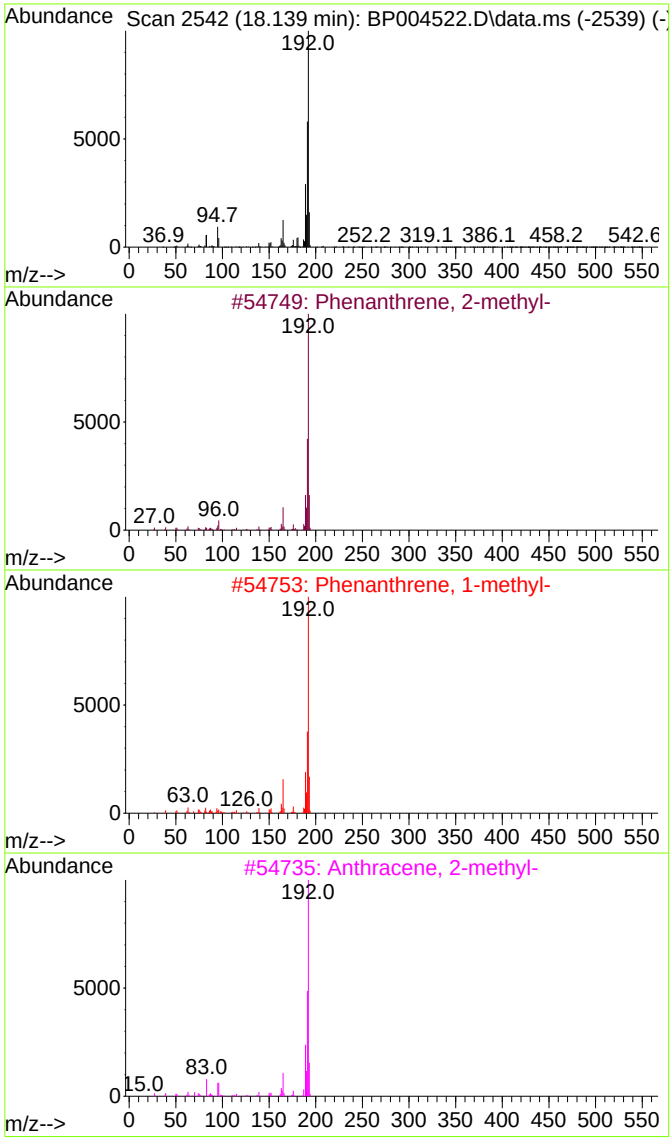
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

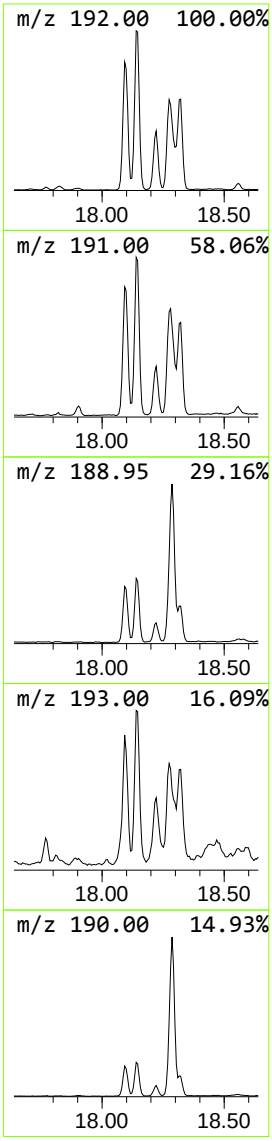
**********

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.139 | 5.58 ng | 930139 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

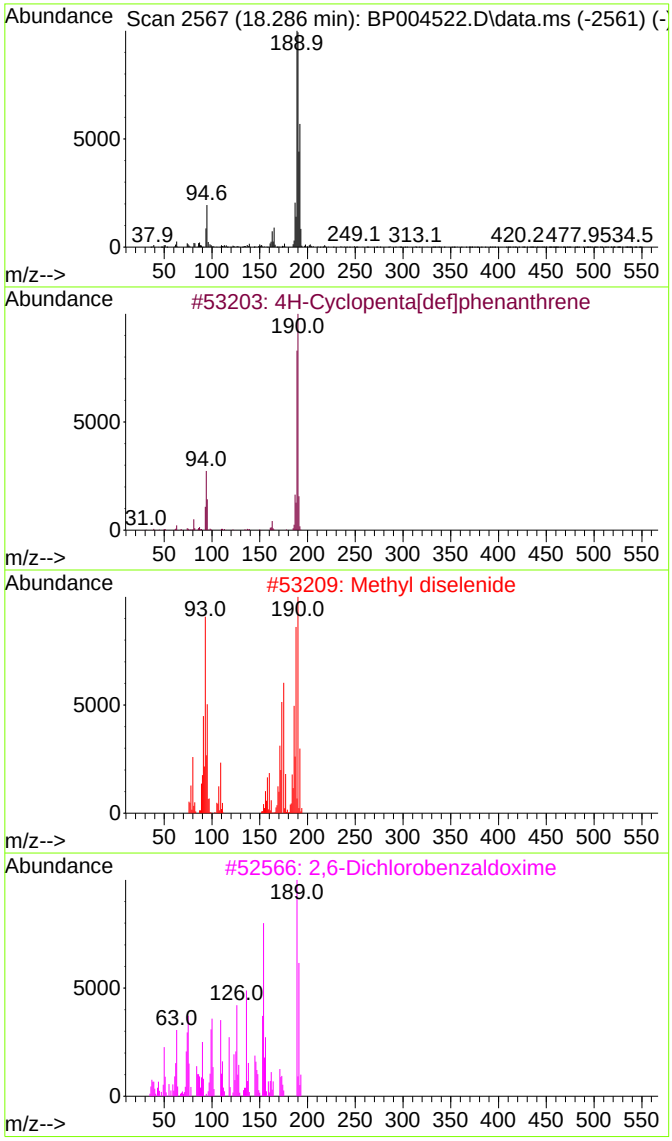
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

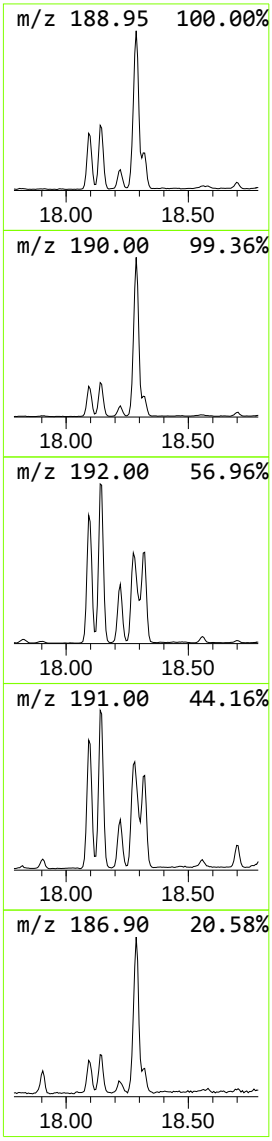
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.286 | 6.52 ng | 1086720 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 92 |
| 2 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 41 |
| 3 | 2,6-Dichlorobenzaldoxime | 189 | C7H5Cl2NO | 025185-95-9 | 30 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 25 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

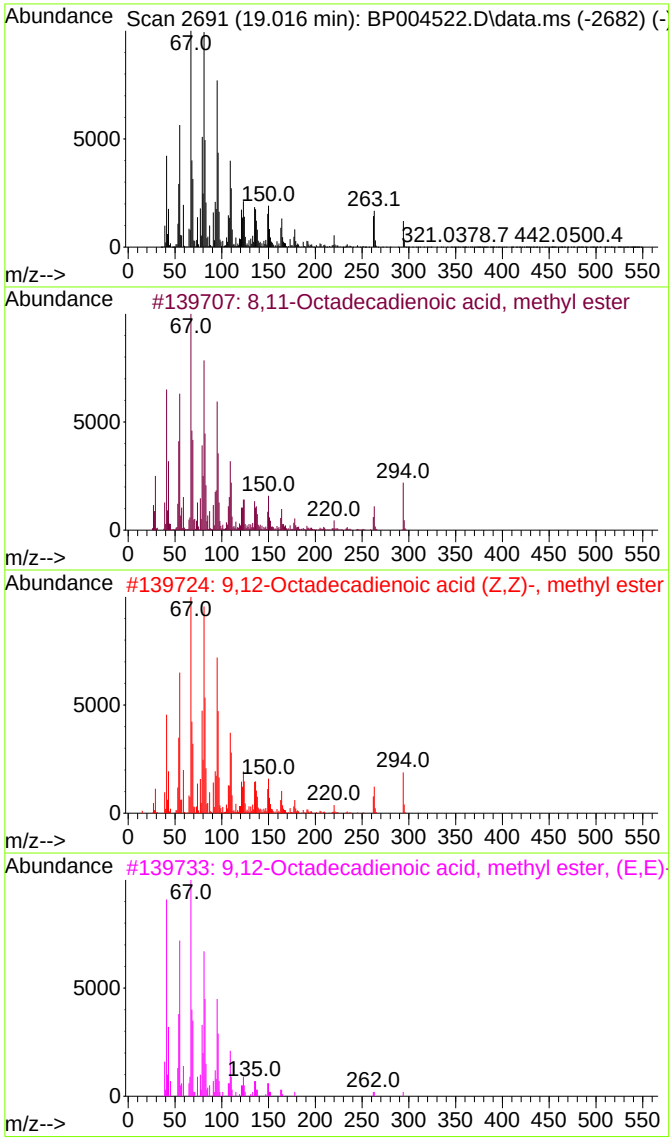
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

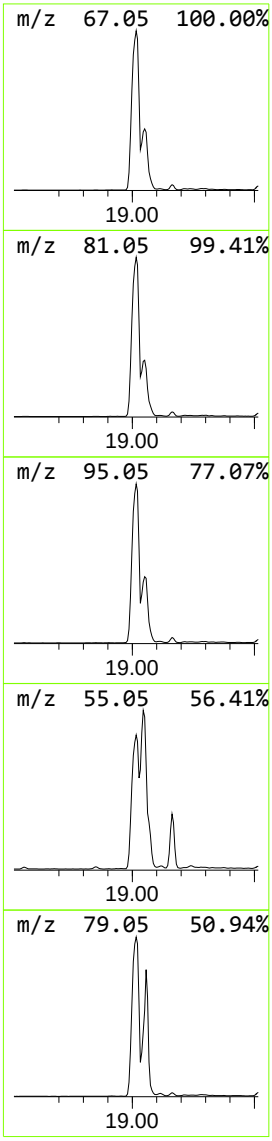
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 8,11-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.016 | 274.57 ng | 45767300 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 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 | 99 |
| 4 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 99 |
| 5 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

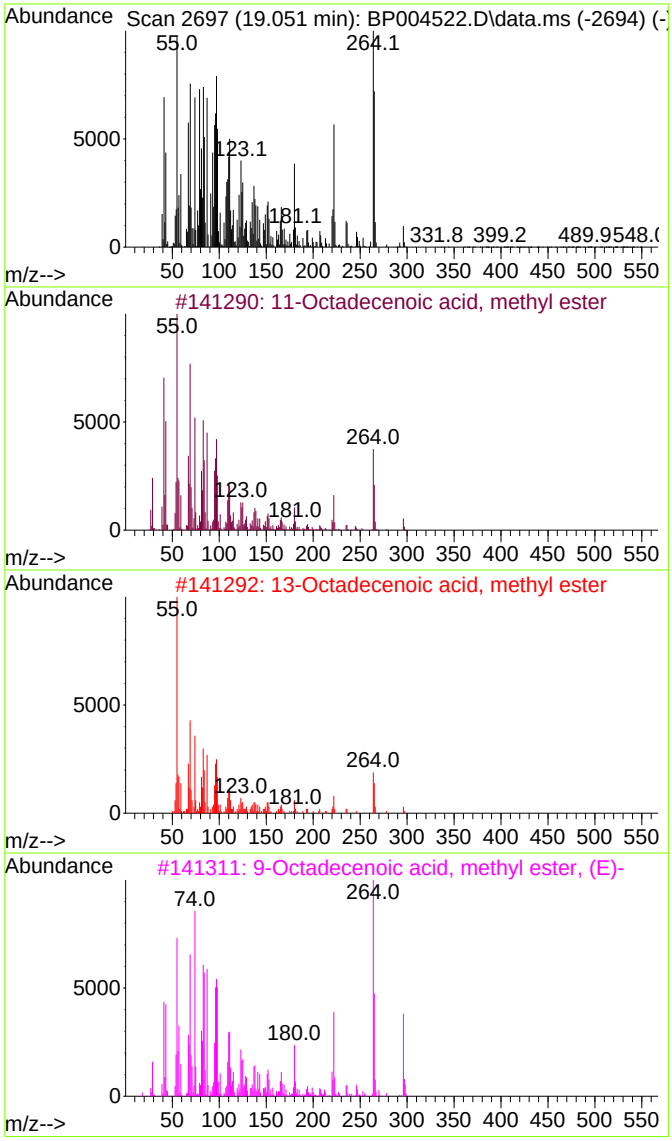
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

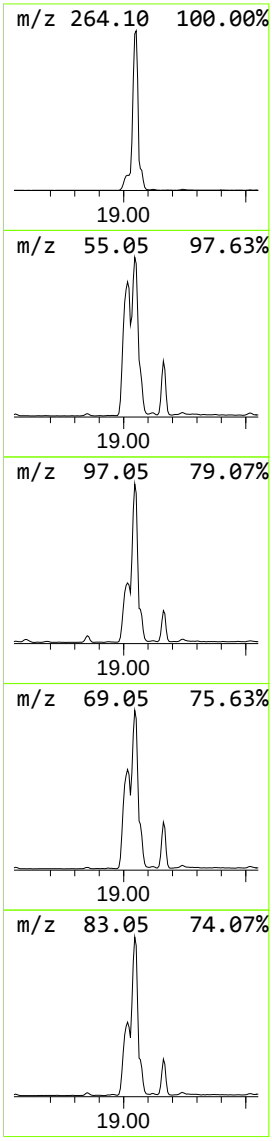
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 11-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.051 | 197.59 ng | 32935900 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 99 |
| 2 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 3 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 93 |
| 4 | cis-13-Octadecenoic acid, methyl... | 296 | C19H36O2 | 1000333-58-3 | 91 |
| 5 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

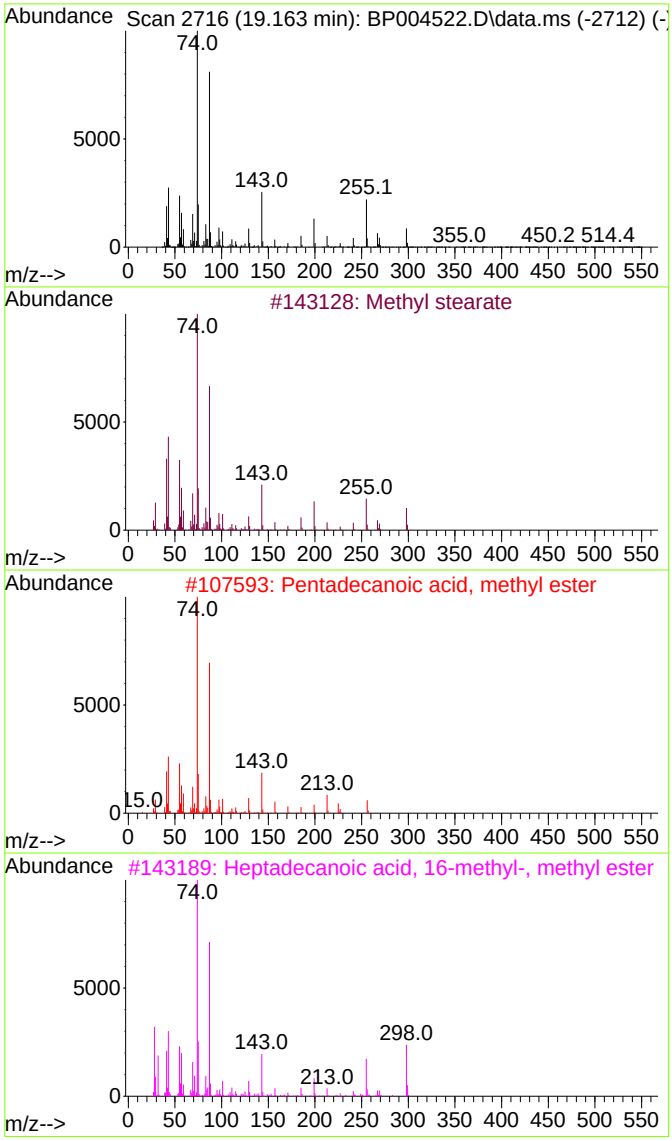
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

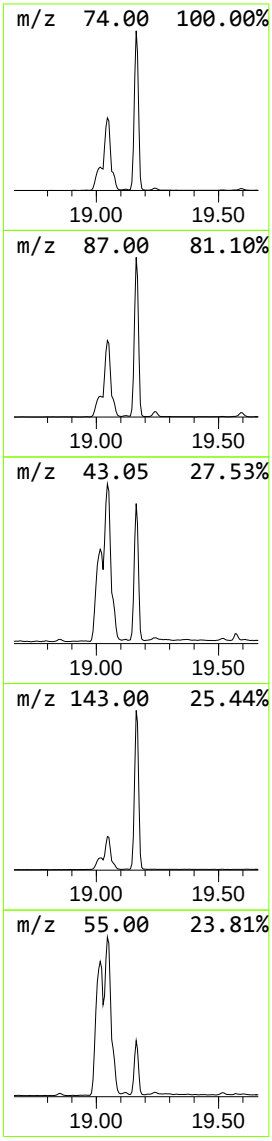
**********

Peak Number 11 Methyl stearate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.163 | 59.58 ng | 9931550 | Phenanthrene-d10 | 17.228 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 99 |
| 2 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 91 |
| 3 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 90 |
| 4 | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 87 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

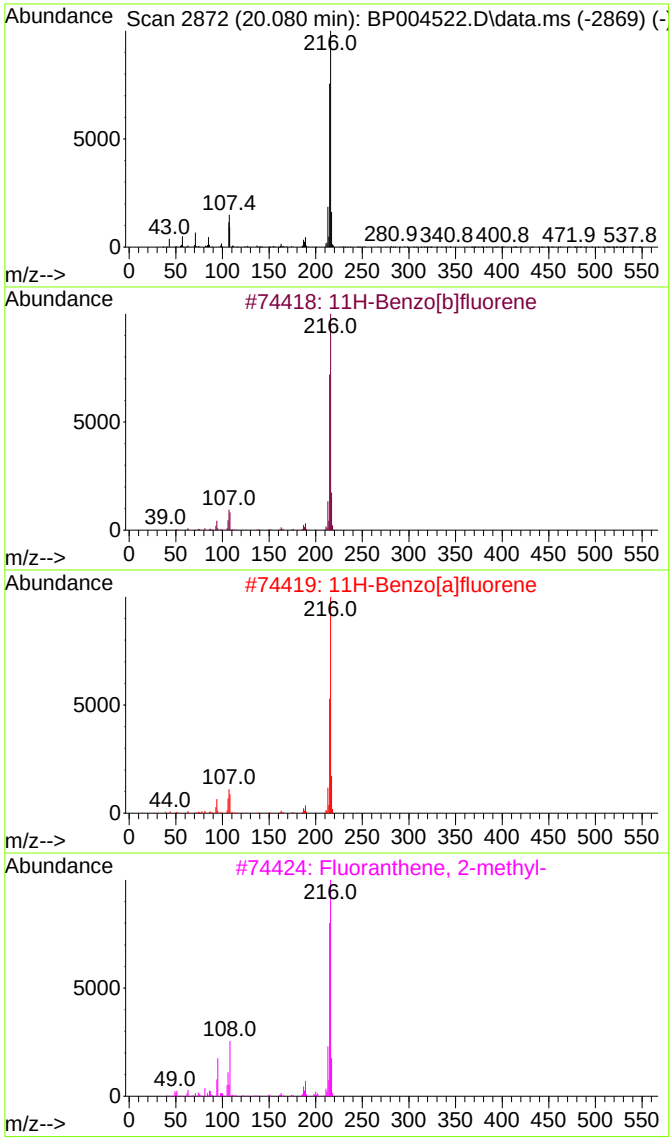
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

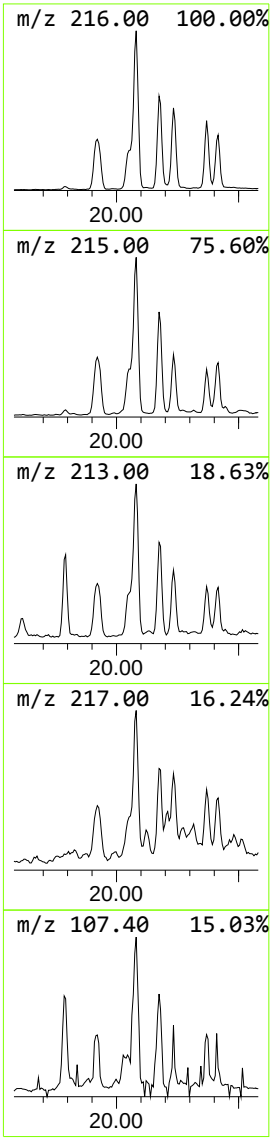
**********

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.080 | 2.93 ng | 1006510 | Chrysene-d12 | 21.316 |

| 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 | 76 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 64 |
| 4 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 64 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

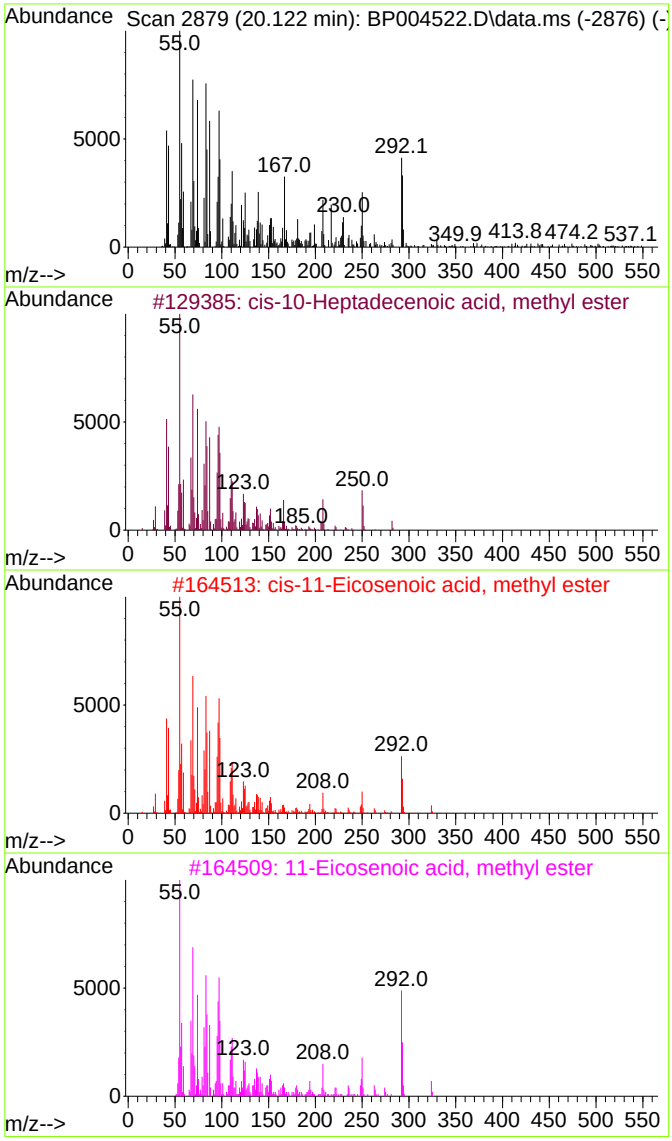
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

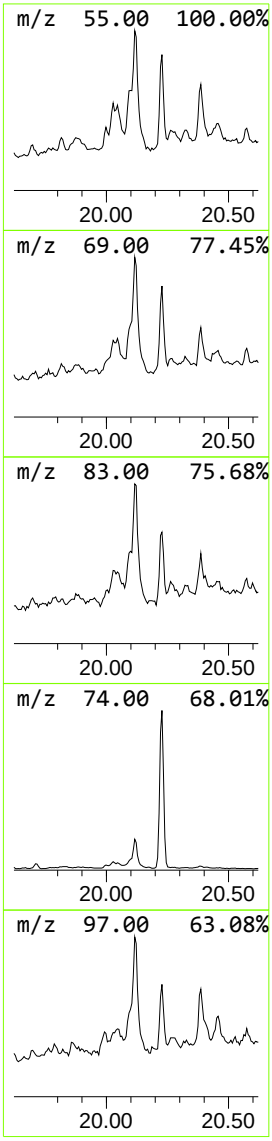
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 cis-10-Heptadecenoic acid, ... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.122 | 2.25 ng | 771900 | Chrysene-d12 | 21.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-10-Heptadecenoic acid, methy... | 282 | C18H34O2 | 1000333-62-1 | 91 |
| 2 | cis-11-Eicosenoic acid, methyl e... | 324 | C21H40O2 | 1000333-63-8 | 53 |
| 3 | 11-Eicosenoic acid, methyl ester | 324 | C21H40O2 | 003946-08-5 | 49 |
| 4 | Oleyl alcohol, heptafluorobutyrate | 464 | C22H35F7O2 | 1000352-68-1 | 49 |
| 5 | cis-13-Eicosenoic acid, methyl e... | 324 | C21H40O2 | 1000333-52-1 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

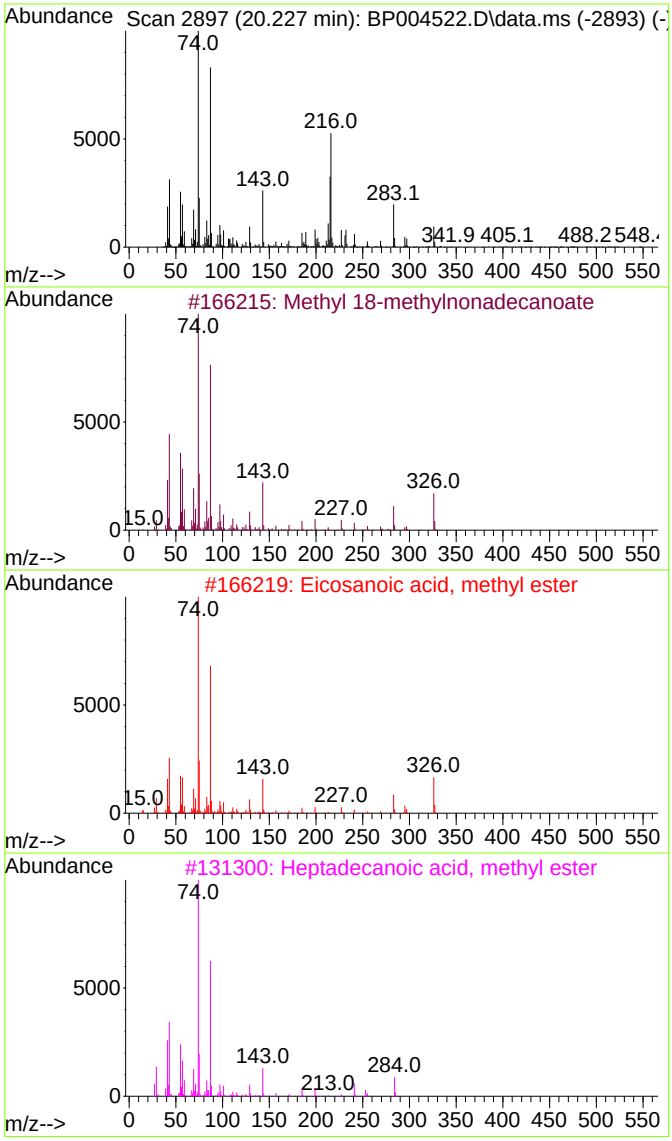
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

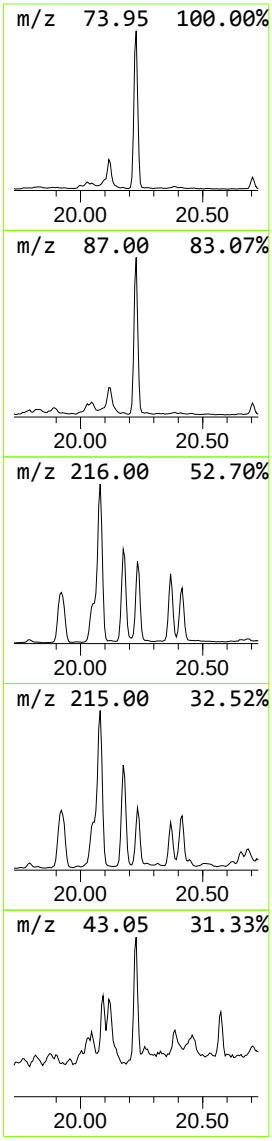
**********

Peak Number 14 Methyl 18-methylnonadecanoate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.227 | 3.88 ng | 1333760 | Chrysene-d12 | 21.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 18-methylnonadecanoate | 326 | C21H42O2 | 1000352-20-6 | 97 |
| 2 | Eicosanoic acid, methyl ester | 326 | C21H42O2 | 001120-28-1 | 97 |
| 3 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 93 |
| 4 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 84 |
| 5 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 78 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

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

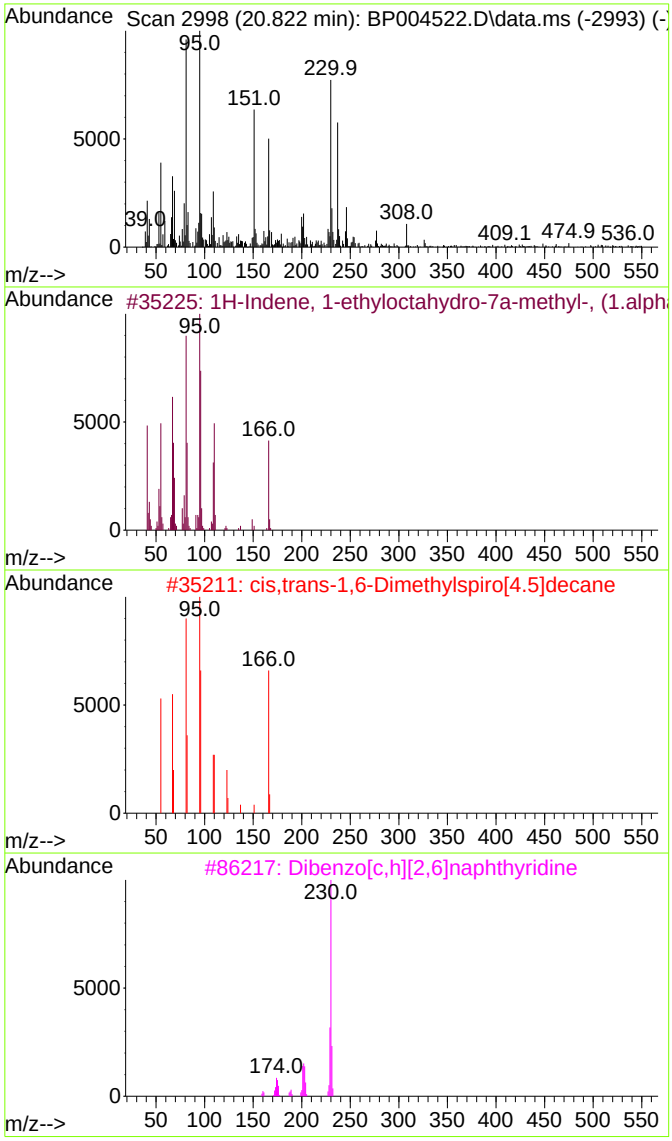
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

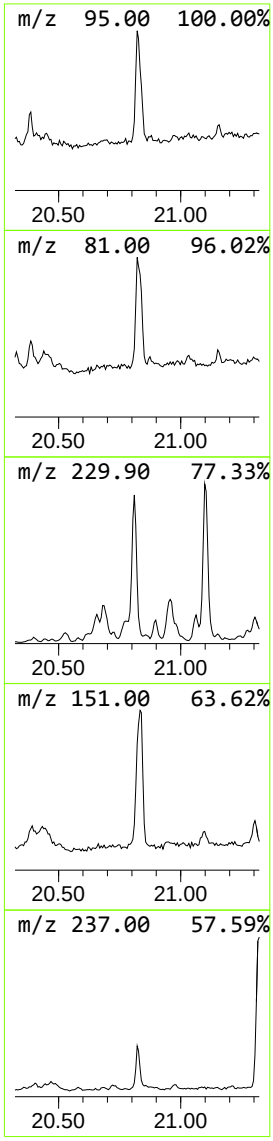
**********

Peak Number 15 unknown20.822 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.822 | 2.69 ng | 923763 | Chrysene-d12 | 21.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 1-ethyloctahydro-7a-m... | 166 | C12H22 | 056324-71-1 | 45 |
| 2 | cis,trans-1,6-Dimethylspiro[4.5]... | 166 | C12H22 | 1000111-72-3 | 43 |
| 3 | Dibenzo[c,h][2,6]naphthyridine | 230 | C16H10N2 | 000218-30-4 | 38 |
| 4 | Naphthalene, decahydro-2,3-dimet... | 166 | C12H22 | 001008-80-6 | 30 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

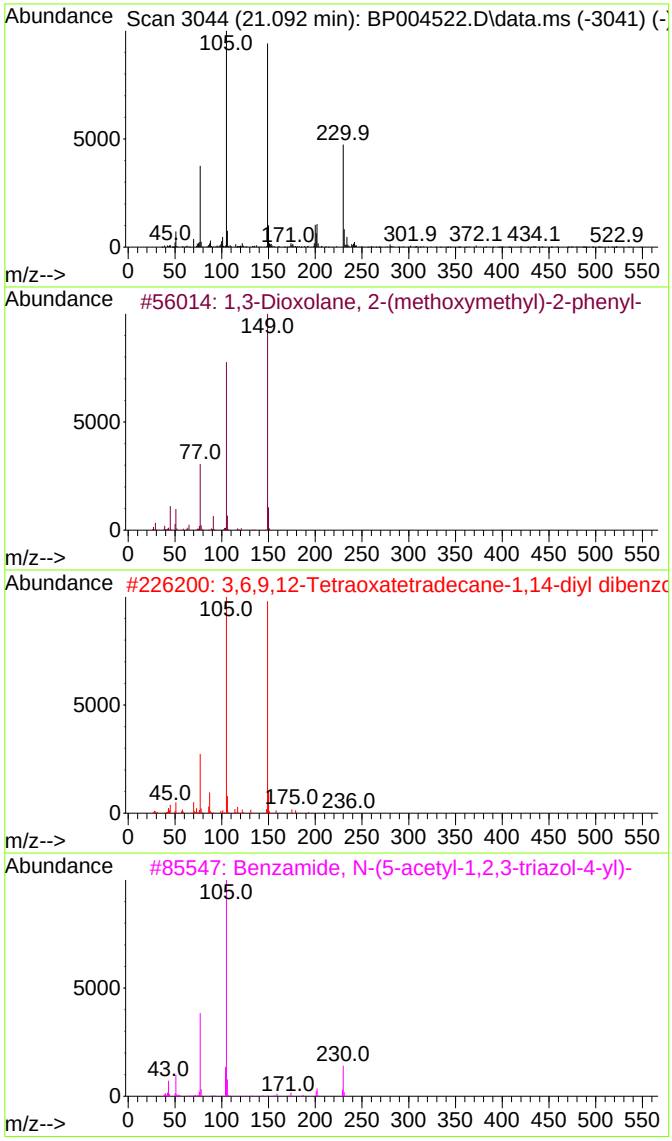
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

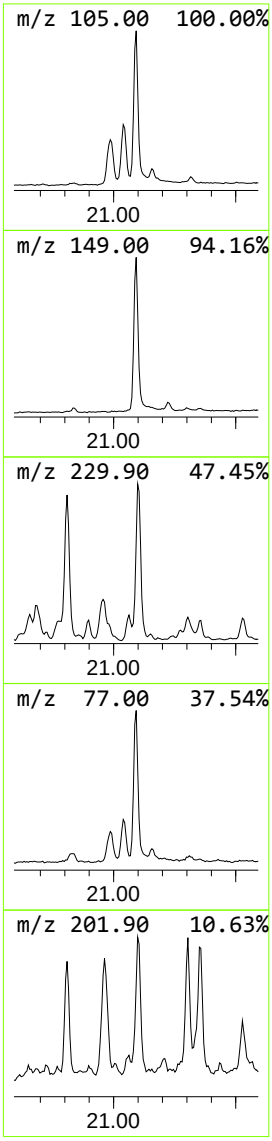
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 1,3-Dioxolane, 2-(methoxyme... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.092 | 2.78 ng | 953757 | Chrysene-d12 | 21.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3 | 1000156-71-2 | 50 |
| 2 | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8 | 1000366-97-0 | 50 |
| 3 | Benzamide, N-(5-acetyl-1,2,3-tri... | 230 | C11H10N4O2 | 129959-33-7 | 41 |
| 4 | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 38 |
| 5 | 2,4-Dimethyl-3-phenylhex-5-en-3-ol | 204 | C14H20O | 342625-00-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SA-01-010821

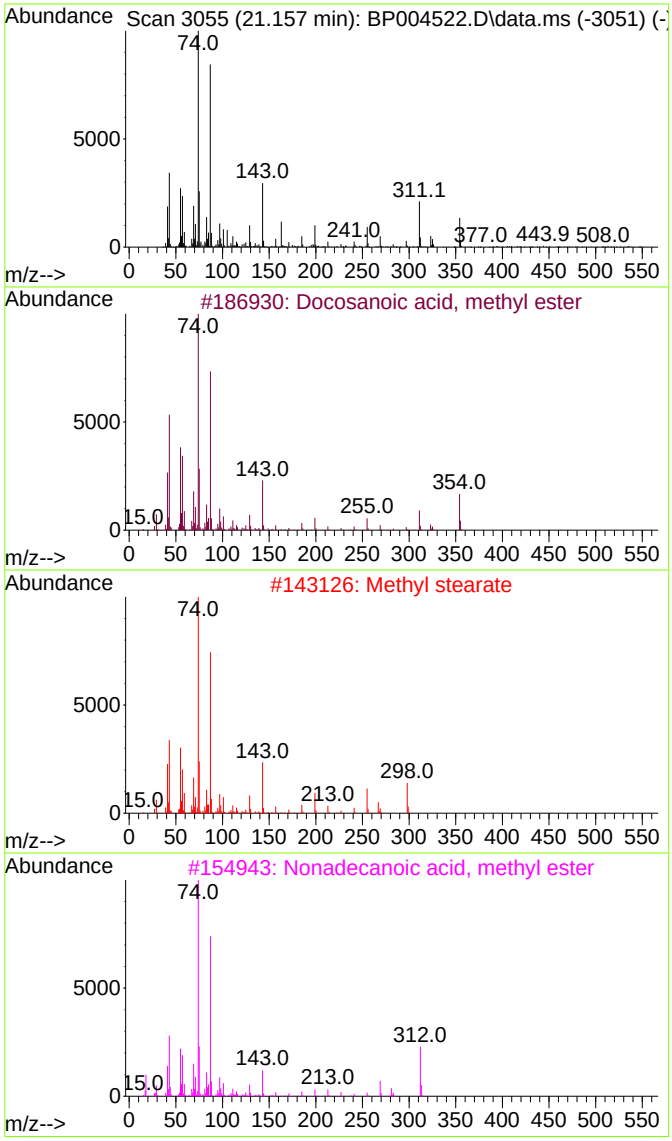
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

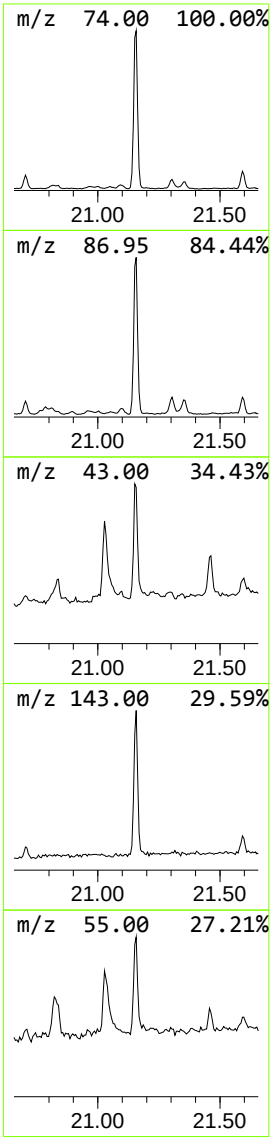
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Docosanoic acid, methyl ester Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.157 | 2.45 ng | 842347 | Chrysene-d12 | 21.316 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosanoic acid, methyl ester | 354 | C23H46O2 | 000929-77-1 | 99 |
| 2 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 98 |
| 3 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 95 |
| 4 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 90 |
| 5 | Methyl 20-methyl-heneicosanoate | 354 | C23H46O2 | 1000336-47-4 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
Data File : BP004522.D
Acq On : 13 Jan 2021 01:01
Operator : CG/JU
Sample : M1055-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SA-01-010821

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 |
| Hexadecane | 16.186 | 4.0 | ng | 658665 | 4 | 17.228 | 3333700 | 20.0 |
| Naphtho[1,2-b]t... | 17.039 | 3.2 | ng | 530278 | 4 | 17.228 | 3333700 | 20.0 |
| Nonadecane | 17.728 | 2.8 | ng | 462676 | 4 | 17.228 | 3333700 | 20.0 |
| 9-Hexadecenoic ... | 17.769 | 3.7 | ng | 618505 | 4 | 17.228 | 3333700 | 20.0 |
| Hexadecanoic ac... | 17.904 | 122.7 | ng | 20444200 | 4 | 17.228 | 3333700 | 20.0 |
| Phenanthrene, 2... | 18.092 | 3.7 | ng | 612013 | 4 | 17.228 | 3333700 | 20.0 |
| Phenanthrene, 1... | 18.139 | 5.6 | ng | 930139 | 4 | 17.228 | 3333700 | 20.0 |
| 4H-Cyclopenta[d... | 18.286 | 6.5 | ng | 1086720 | 4 | 17.228 | 3333700 | 20.0 |
| 8,11-Octadecadi... | 19.016 | 274.6 | ng | 45767300 | 4 | 17.228 | 3333700 | 20.0 |
| 11-Octadecenoic... | 19.051 | 197.6 | ng | 32935900 | 4 | 17.228 | 3333700 | 20.0 |
| Methyl stearate | 19.163 | 59.6 | ng | 9931550 | 4 | 17.228 | 3333700 | 20.0 |
| 11H-Benzo[b]flu... | 20.080 | 2.9 | ng | 1006510 | 5 | 21.316 | 6870020 | 20.0 |
| cis-10-Heptadec... | 20.122 | 2.3 | ng | 771900 | 5 | 21.316 | 6870020 | 20.0 |
| Methyl 18-methy... | 20.227 | 3.9 | ng | 1333760 | 5 | 21.316 | 6870020 | 20.0 |
| unknown20.822 | 20.822 | 2.7 | ng | 923763 | 5 | 21.316 | 6870020 | 20.0 |
| 1,3-Dioxolane, ... | 21.092 | 2.8 | ng | 953757 | 5 | 21.316 | 6870020 | 20.0 |
| Docosanoic acid... | 21.157 | 2.5 | ng | 842347 | 5 | 21.316 | 6870020 | 20.0 |