LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.620 | 424 | 431 | 442 | rBV | 296203 | 517872 | 10.75% | 2.559% |
| 2 | 7.230 | 698 | 705 | 718 | rBV | 334873 | 607817 | 12.62% | 3.003% |
| 3 | 7.606 | 762 | 769 | 777 | rBV | 324119 | 580468 | 12.05% | 2.868% |
| 4 | 8.082 | 843 | 850 | 858 | rBV | 175118 | 303115 | 6.29% | 1.498% |
| 5 | 8.399 | 897 | 904 | 912 | rBV | 246784 | 450770 | 9.36% | 2.227% |
| 6 | 9.257 | 1042 | 1050 | 1067 | rBV2 | 200658 | 395296 | 8.21% | 1.953% |
| 7 | 10.902 | 1322 | 1330 | 1338 | rBV | 224848 | 405459 | 8.42% | 2.003% |
| 8 | 13.335 | 1737 | 1744 | 1756 | rBV | 549865 | 838333 | 17.41% | 4.142% |
| 9 | 14.163 | 1875 | 1885 | 1891 | rBV | 36310 | 70693 | 1.47% | 0.349% |
| 10 | 14.715 | 1969 | 1979 | 1987 | rBV2 | 347598 | 568912 | 11.81% | 2.811% |
| 11 | 16.202 | 2227 | 2232 | 2246 | rBV2 | 409089 | 655260 | 13.60% | 3.238% |
| 12 | 16.378 | 2257 | 2262 | 2271 | rVB | 50400 | 87343 | 1.81% | 0.432% |
| 13 | 17.165 | 2392 | 2396 | 2401 | rBV | 57794 | 82537 | 1.71% | 0.408% |
| 14 | 17.465 | 2440 | 2447 | 2453 | rBV2 | 418124 | 667585 | 13.86% | 3.299% |
| 15 | 17.906 | 2519 | 2522 | 2528 | rVB | 56984 | 70014 | 1.45% | 0.346% |
| 16 | 18.088 | 2548 | 2553 | 2562 | rVB | 950073 | 1155931 | 24.00% | 5.711% |
| 17 | 18.317 | 2588 | 2592 | 2602 | rBV2 | 120665 | 209871 | 4.36% | 1.037% |
| 18 | 18.599 | 2636 | 2640 | 2644 | rVB | 58966 | 76357 | 1.59% | 0.377% |
| 19 | 19.228 | 2742 | 2747 | 2750 | rBV | 2818651 | 3644743 | 75.67% | 18.009% |
| 20 | 19.263 | 2750 | 2753 | 2763 | rVB | 3877939 | 4816418 | 100.00% | 23.798% |
| 21 | 19.386 | 2769 | 2774 | 2779 | rBV | 537899 | 591825 | 12.29% | 2.924% |
| 22 | 19.445 | 2780 | 2784 | 2785 | rBV | 105092 | 114812 | 2.38% | 0.567% |
| 23 | 19.469 | 2785 | 2788 | 2801 | rVB2 | 216823 | 431127 | 8.95% | 2.130% |
| 24 | 19.751 | 2833 | 2836 | 2840 | rBV | 76890 | 99732 | 2.07% | 0.493% |
| 25 | 19.798 | 2842 | 2844 | 2849 | rVB3 | 49391 | 50038 | 1.04% | 0.247% |
| 26 | 20.062 | 2884 | 2889 | 2893 | rBV | 828987 | 1058635 | 21.98% | 5.231% |
| 27 | 20.244 | 2917 | 2920 | 2923 | rBV4 | 74401 | 89275 | 1.85% | 0.441% |
| 28 | 20.362 | 2938 | 2940 | 2949 | rVB4 | 77747 | 114238 | 2.37% | 0.564% |
| 29 | 20.473 | 2956 | 2959 | 2963 | rBV | 84388 | 89755 | 1.86% | 0.443% |
| 30 | 20.644 | 2986 | 2988 | 2993 | rBV4 | 49109 | 67314 | 1.40% | 0.333% |
| 31 | 21.742 | 3170 | 3175 | 3182 | rVB | 412276 | 729746 | 15.15% | 3.606% |
| 32 | 25.056 | 3733 | 3739 | 3747 | rVB | 229472 | 597700 | 12.41% | 2.953% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

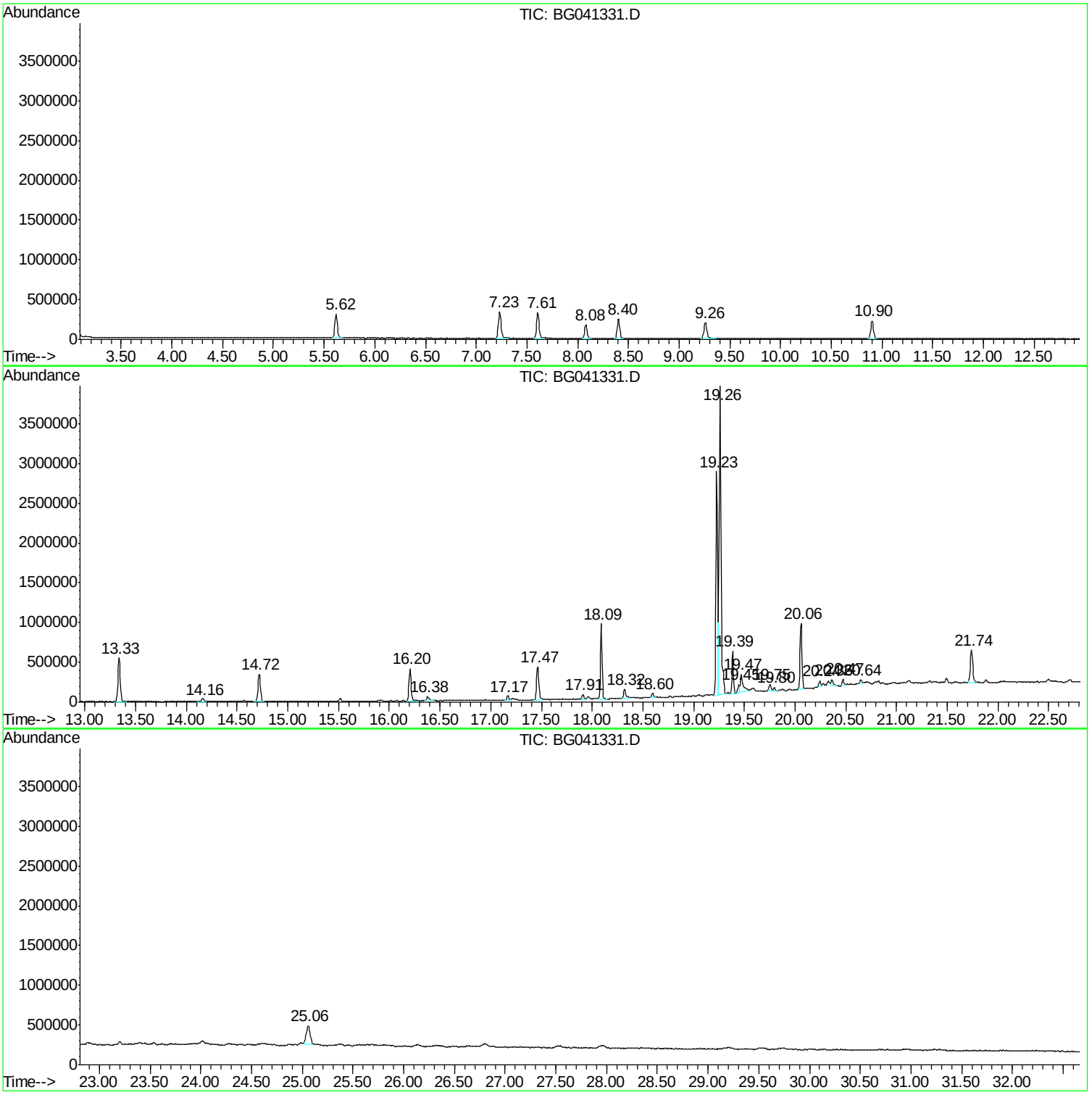
Sum of corrected areas: 20238991

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

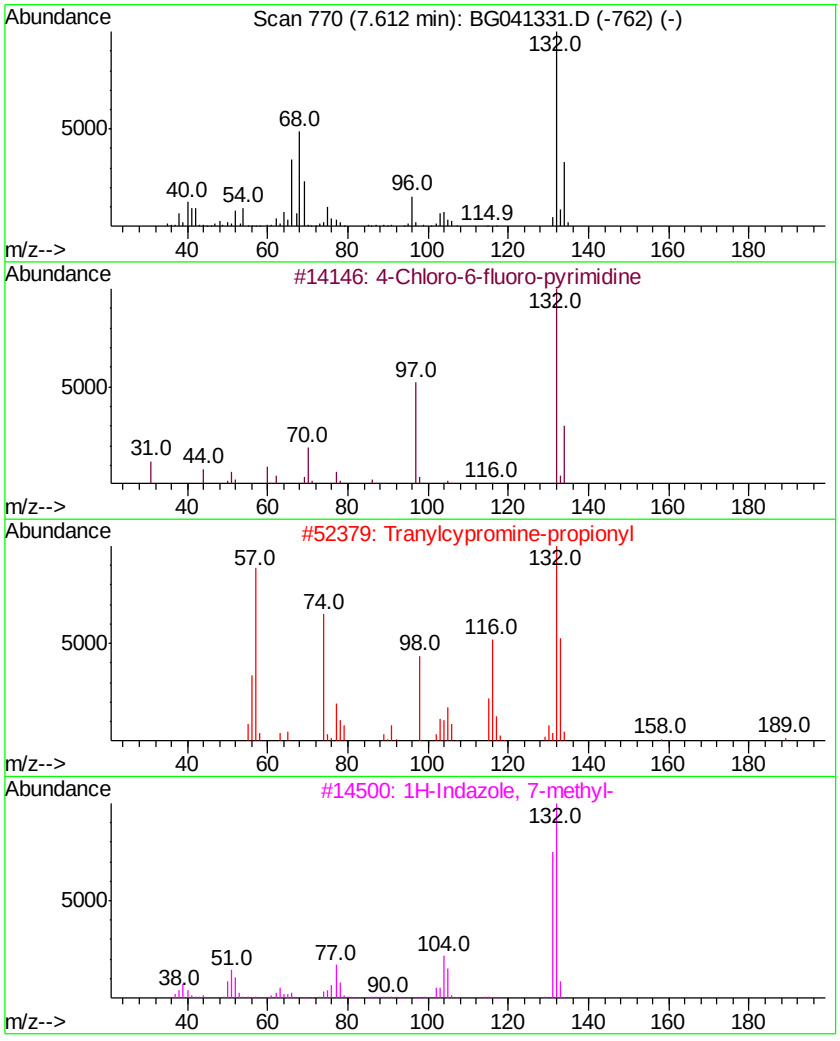
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

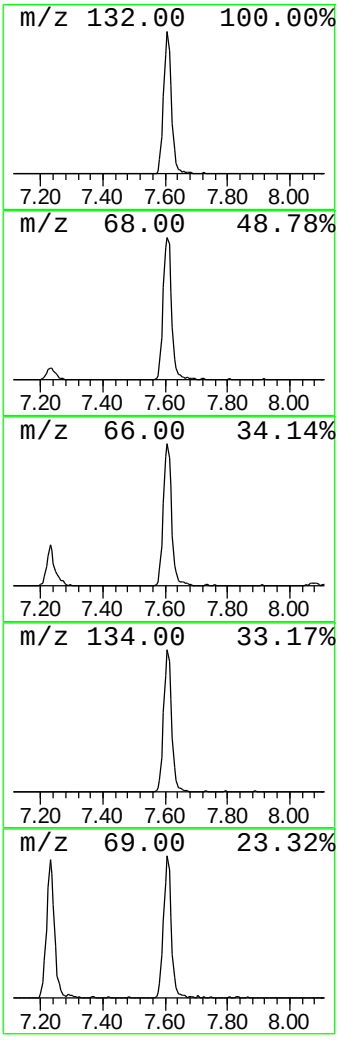
**********

Peak Number 1 unknown7.61 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.61 | 38.30 ng | 580468 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 22 |
| 3 | 1H-Indazole, 7-methyl- | 132 | C8H8N2 | 1000316-00-7 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

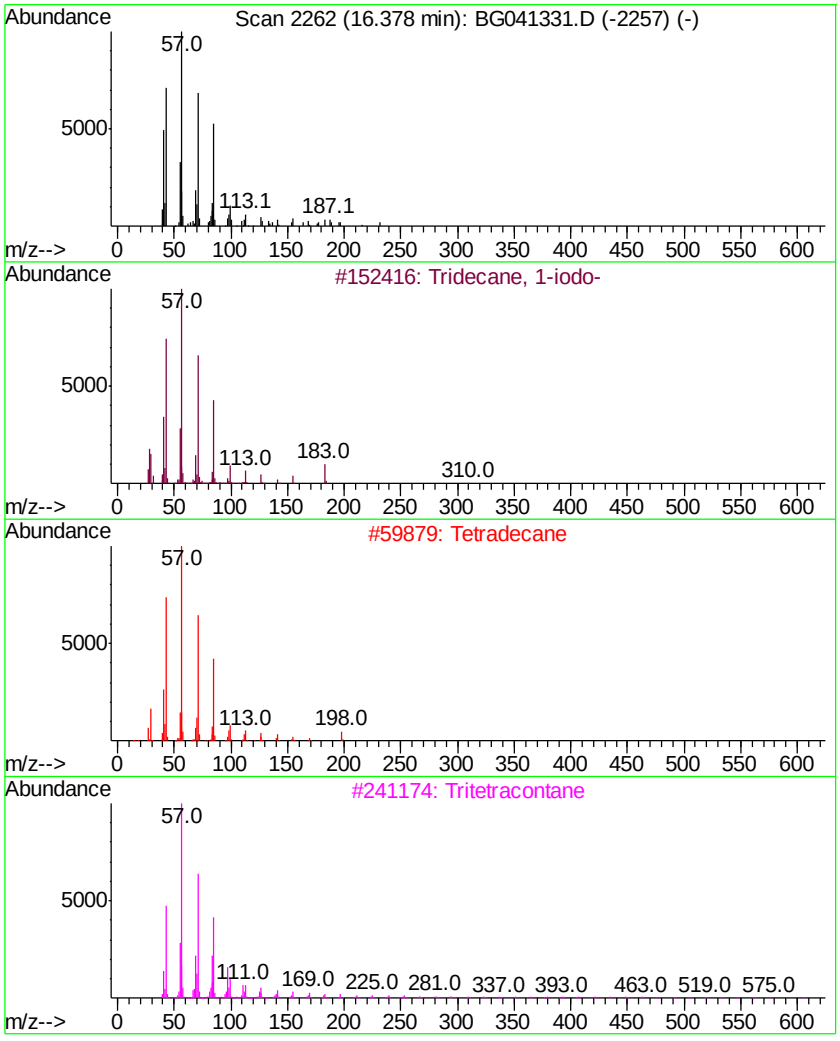
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

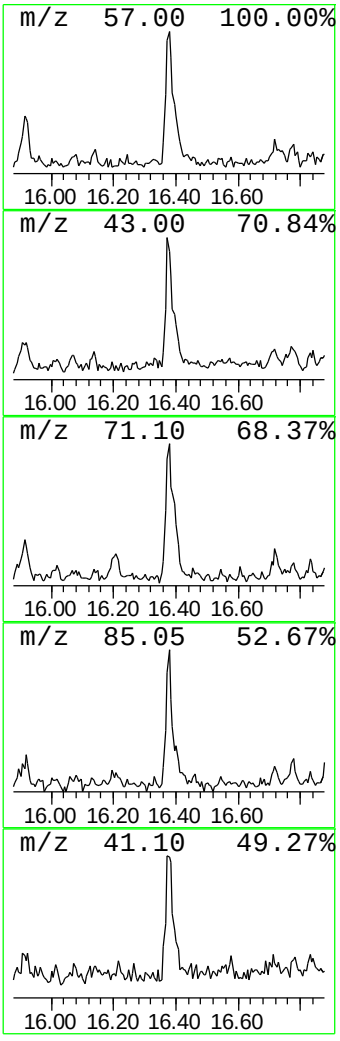
**********

Peak Number 3 Tridecane, 1-iodo- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.38 | 2.62 ng | 87343 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 3 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 80 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 80 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

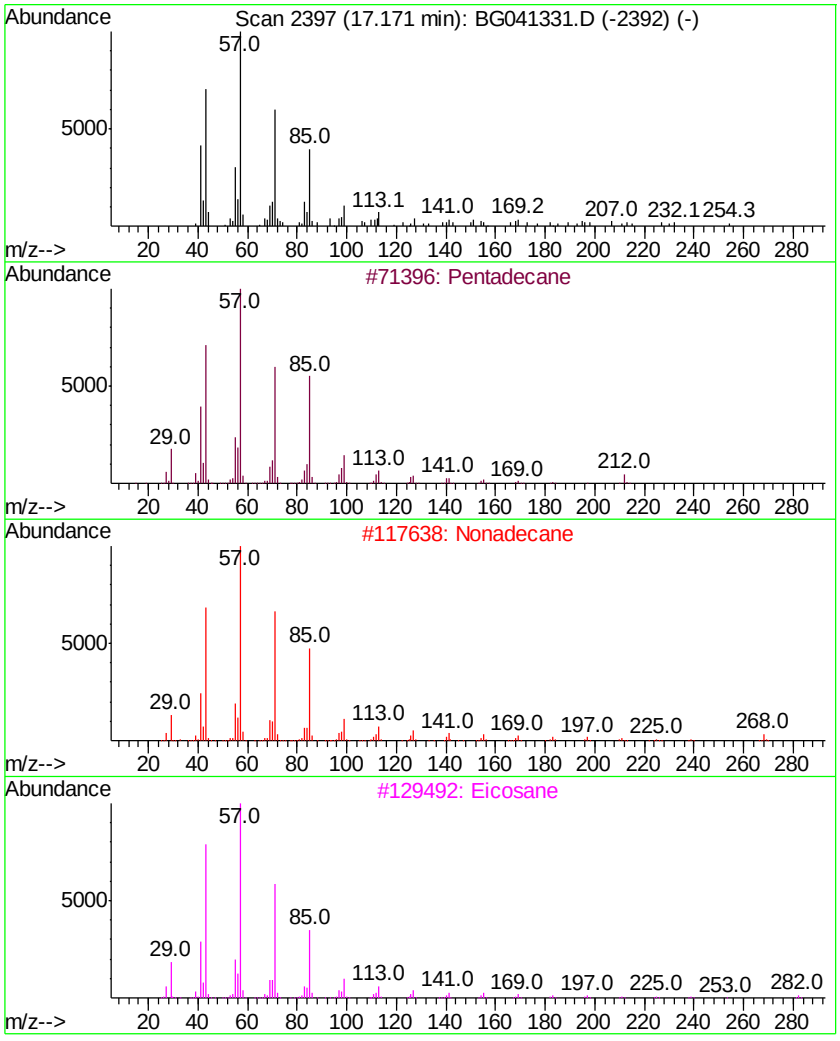
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

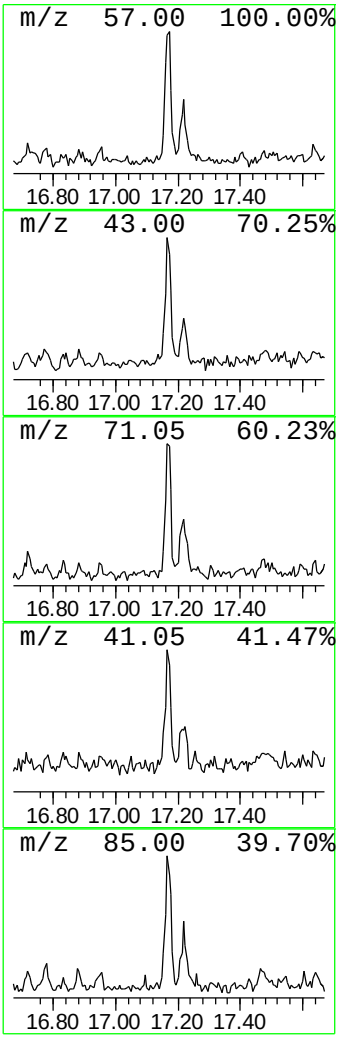
**********

Peak Number 4 Pentadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.17 | 2.47 ng | 82537 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 86 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

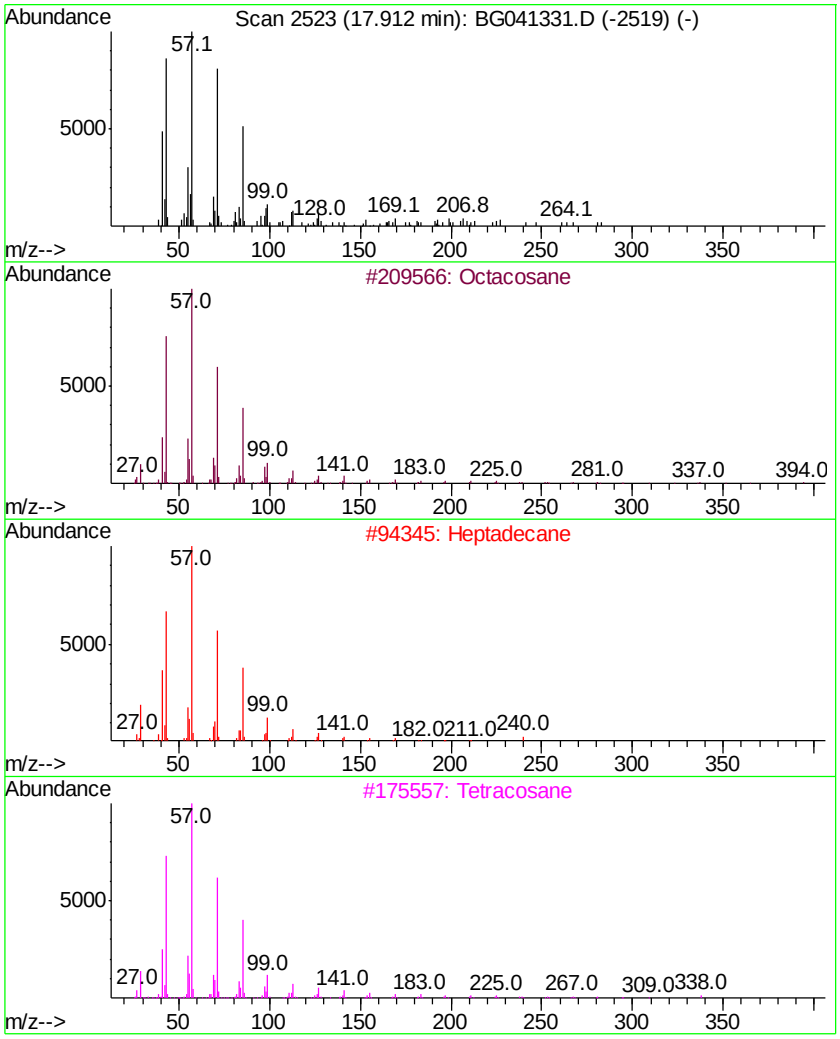
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

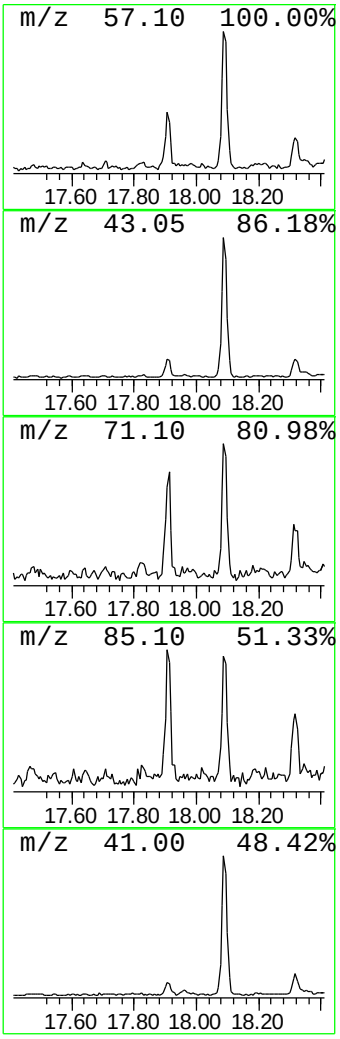
**********

Peak Number 5 Octacosane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.91 | 2.10 ng | 70014 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 83 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 83 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 83 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

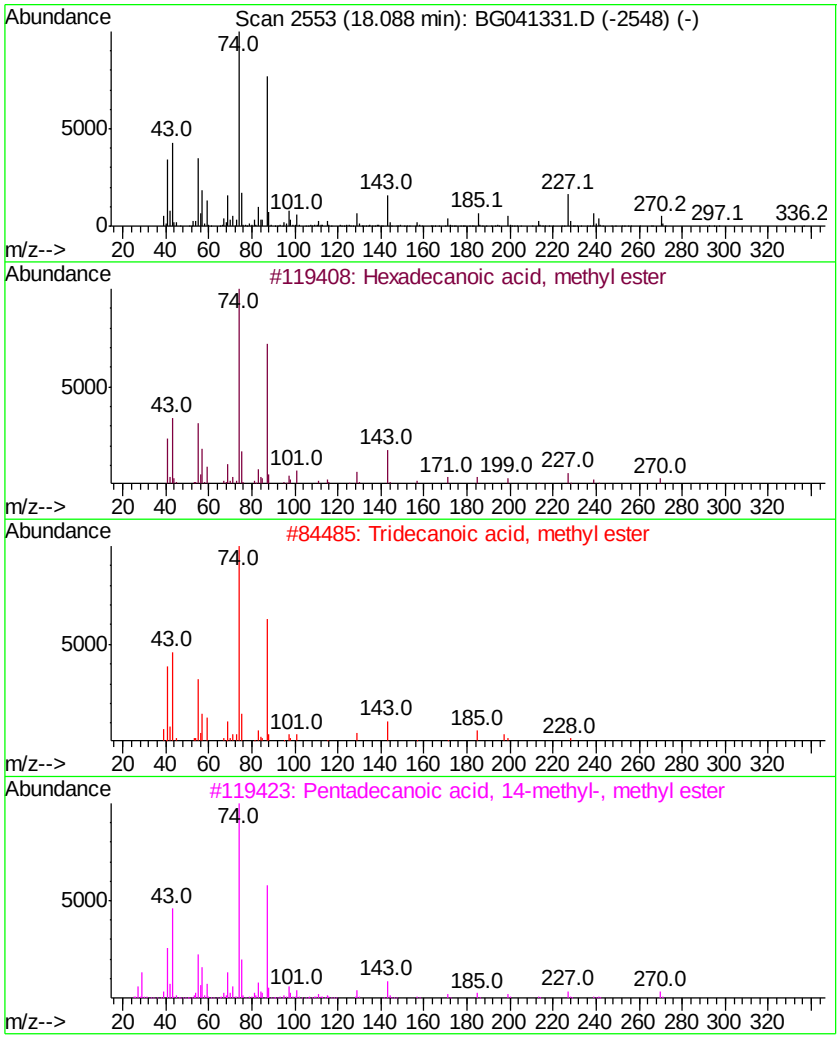
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

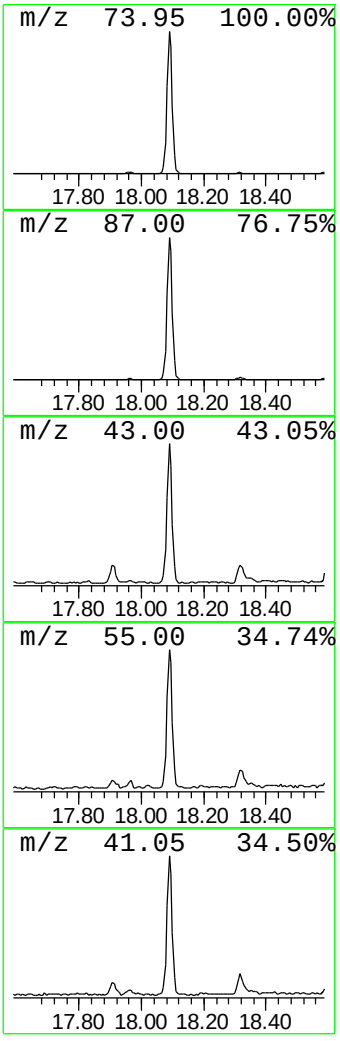
**********

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.09 | 34.63 ng | 1155930 | Phenanthrene-d10 | 17.46 |

| 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 | 93 |
| 4 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 86 |
| 5 | Hexadecanoic acid, 2-methyl- | 270 | C17H34O2 | 027147-71-3 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

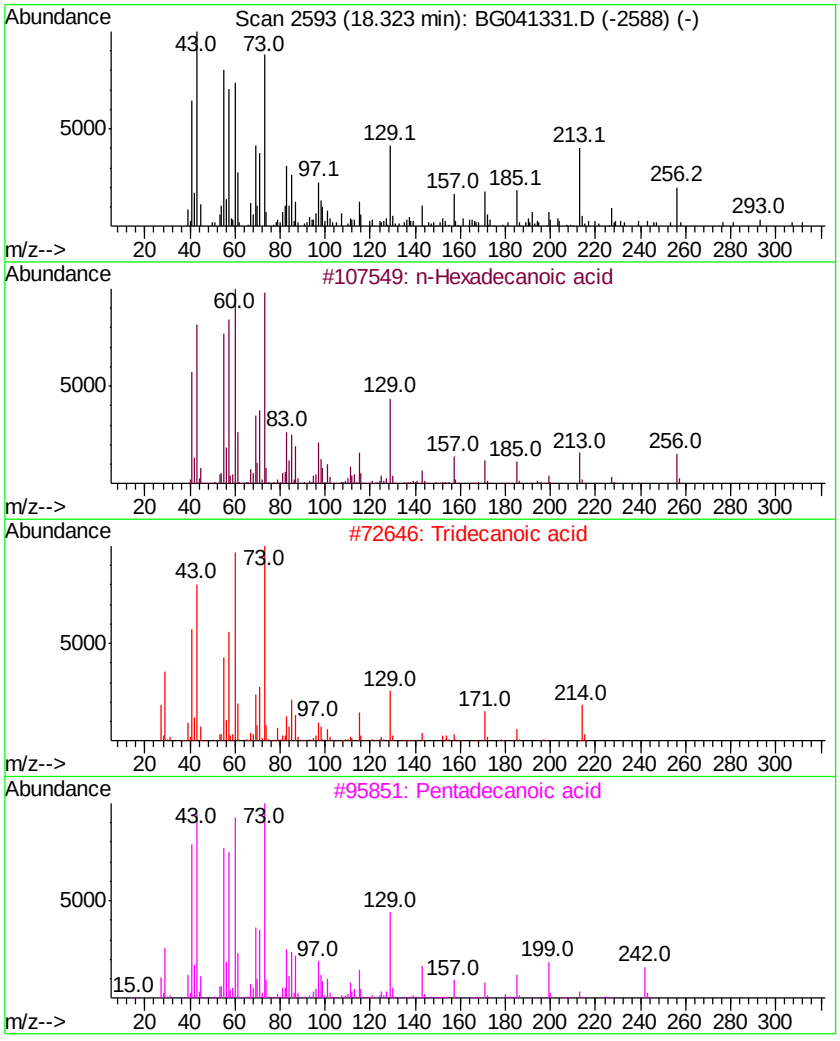
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

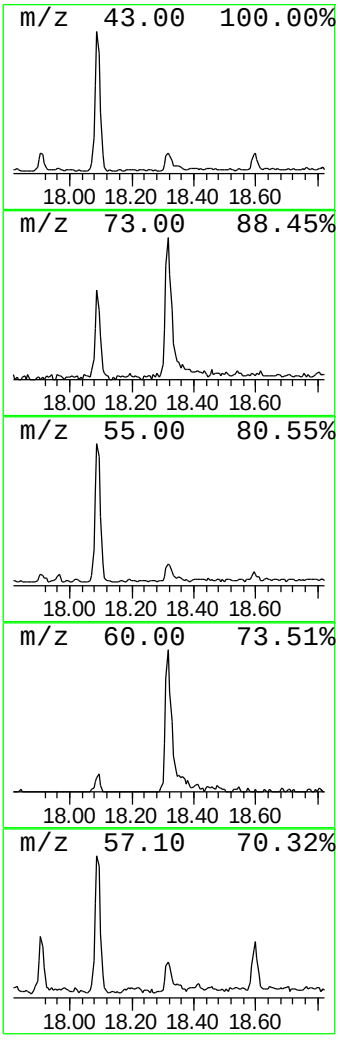
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.32 | 6.29 ng | 209871 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 68 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

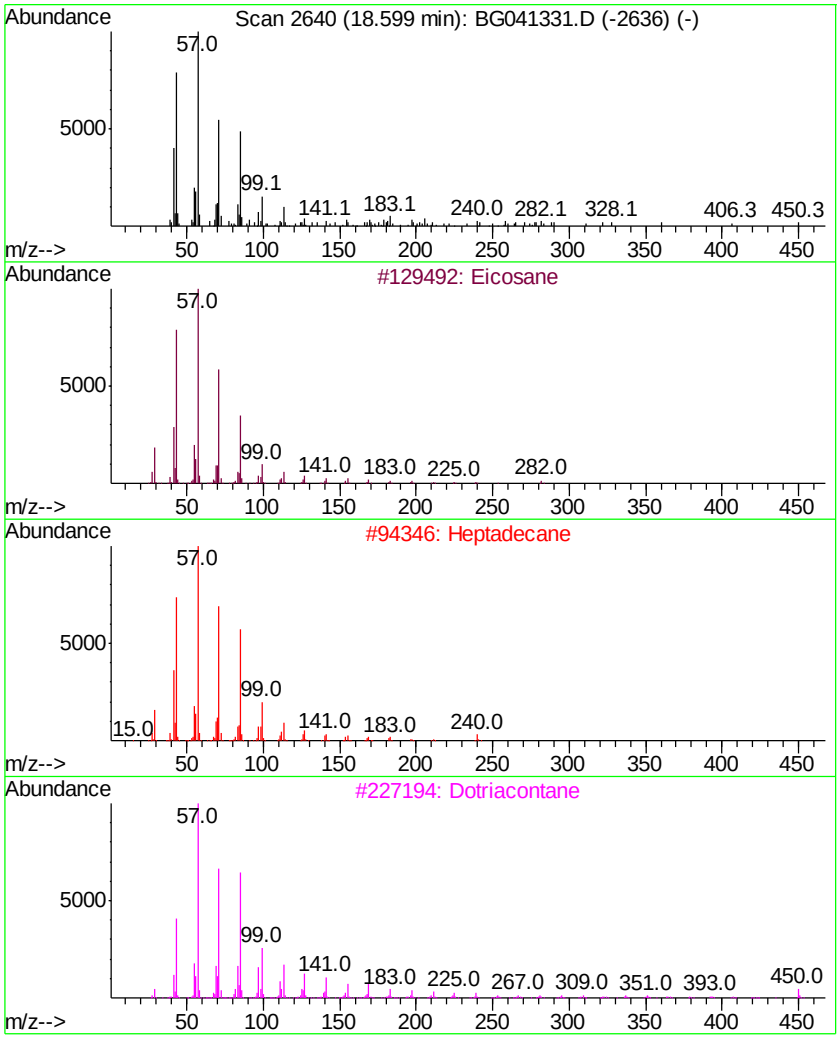
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

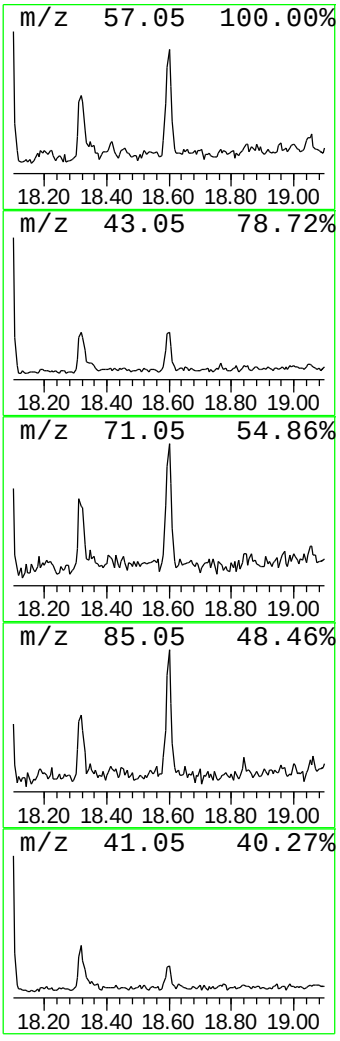
**********

Peak Number 8 Eicosane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.60 | 2.29 ng | 76357 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 3 | Dotriacontane | 451 | C32H66 | 000544-85-4 | 87 |
| 4 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 87 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

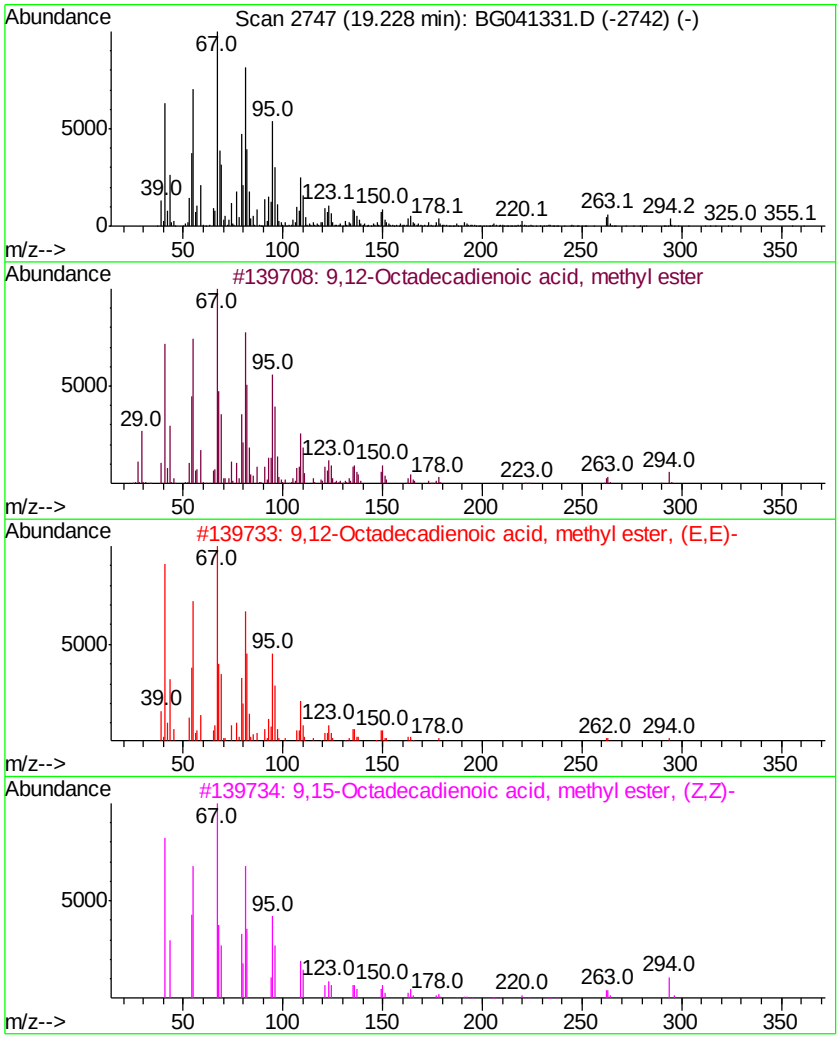
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

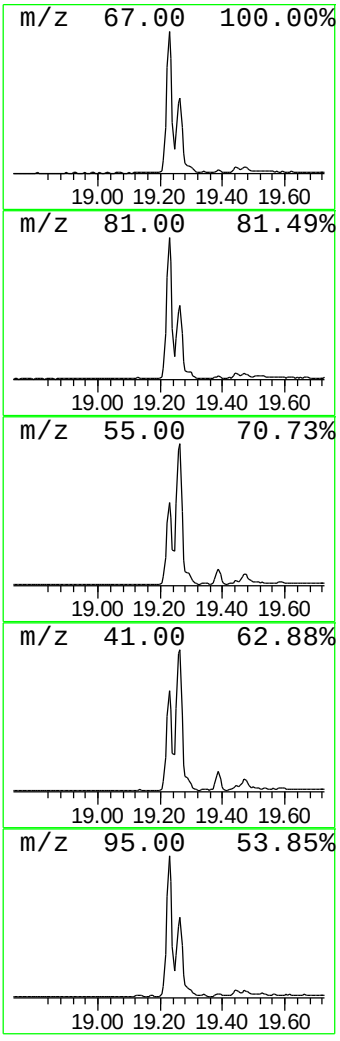
**********

Peak Number 9 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.23 | 109.19 ng | 3644740 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 2 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 3 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 98 |
| 4 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 97 |
| 5 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 97 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

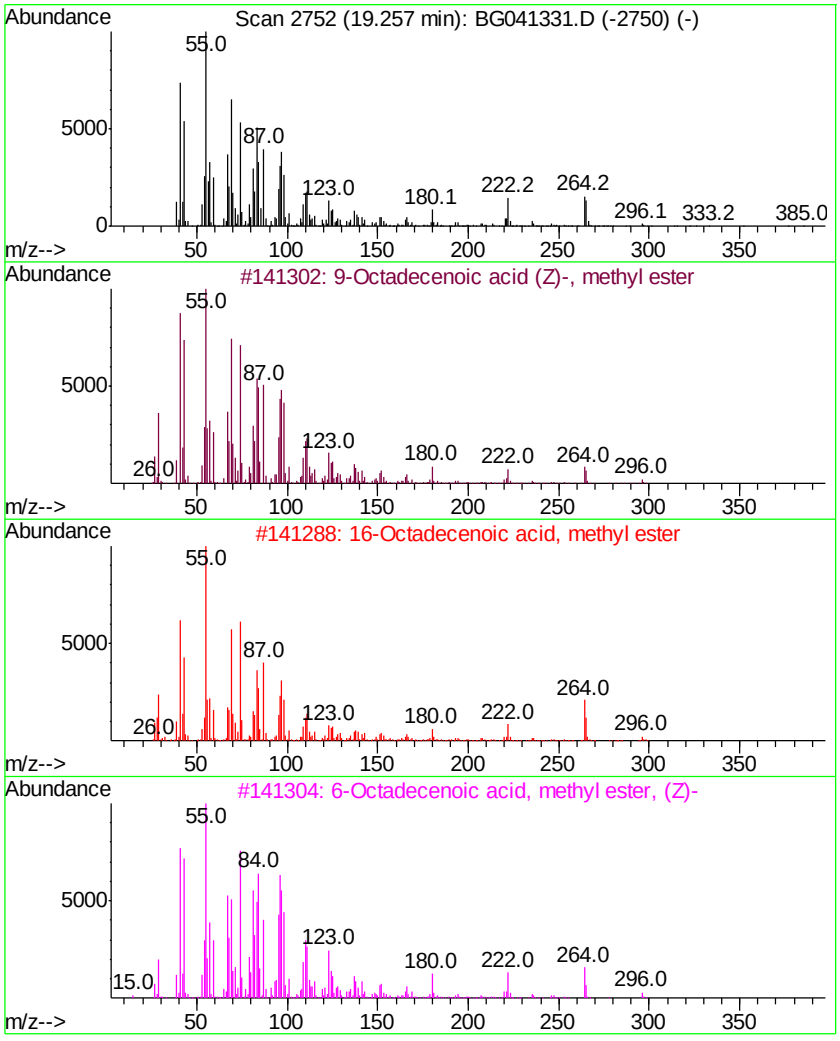
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

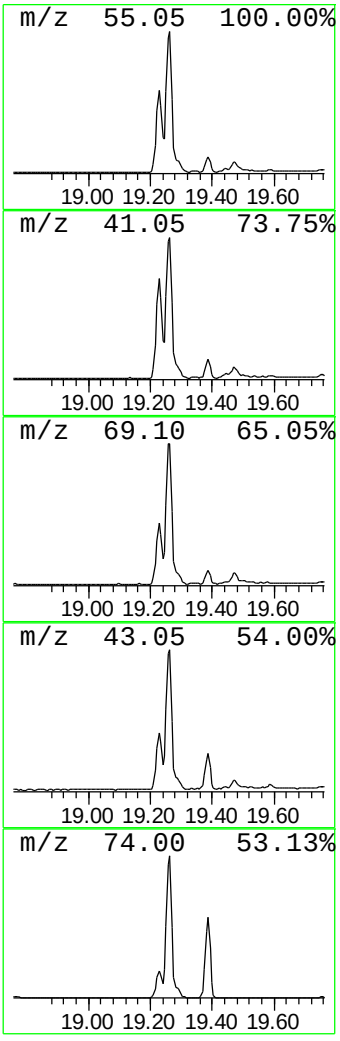
**********

Peak Number 10 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.26 | 144.29 ng | 4816420 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 99 |
| 2 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99 |
| 3 | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 98 |
| 4 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 98 |
| 5 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

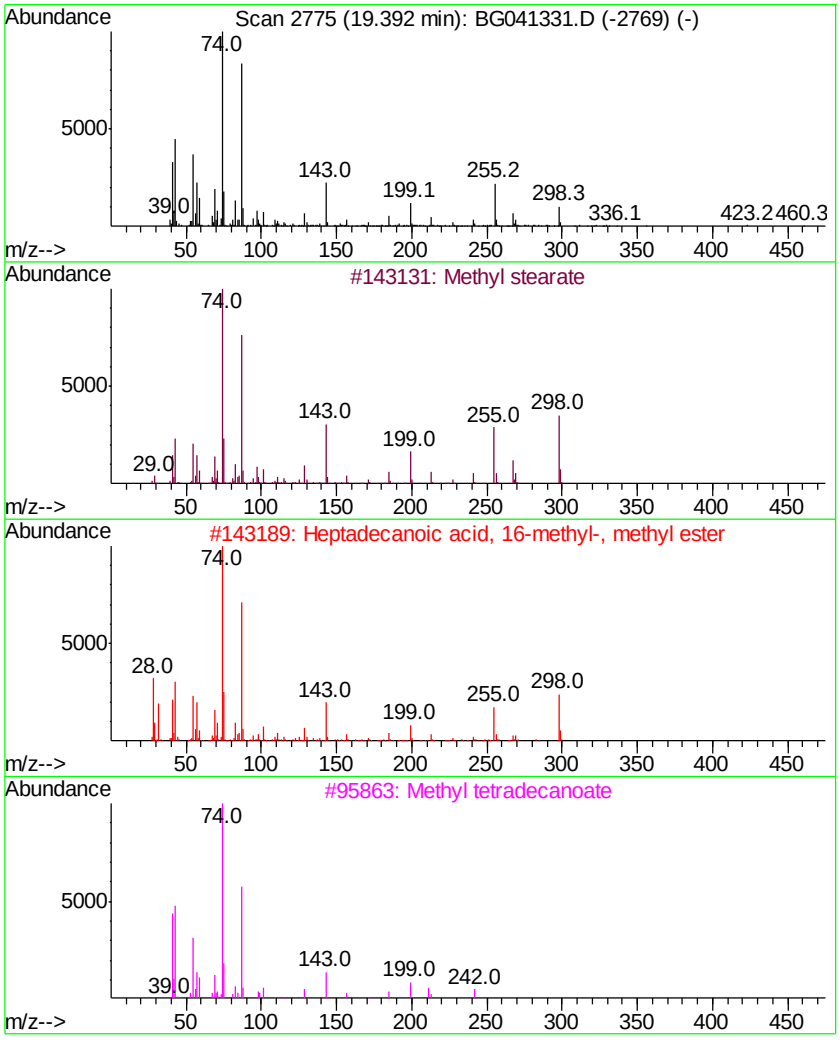
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

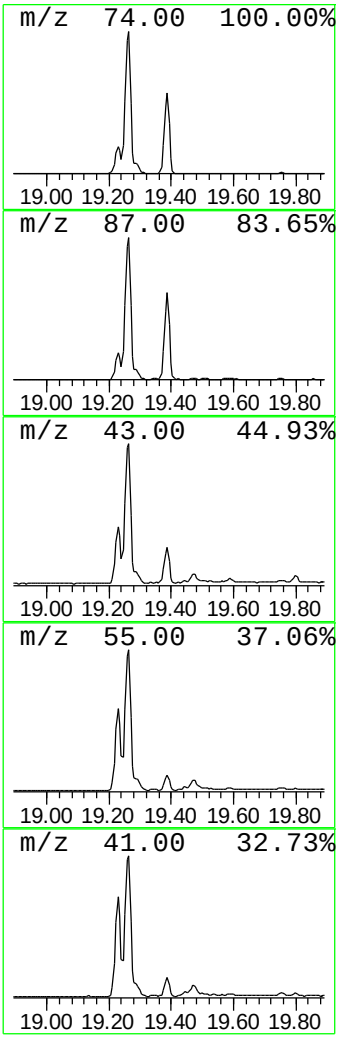
**********

Peak Number 11 Methyl stearate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.39 | 17.73 ng | 591825 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 98 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 93 |
| 3 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 83 |
| 5 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 83 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

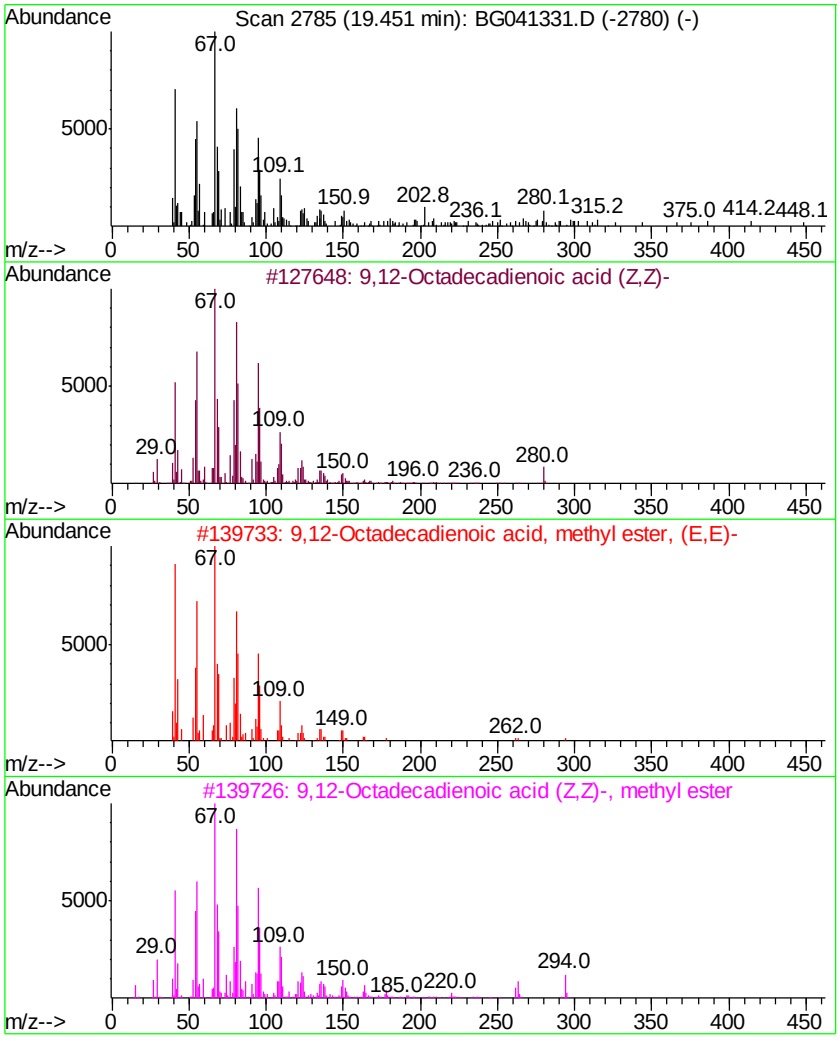
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

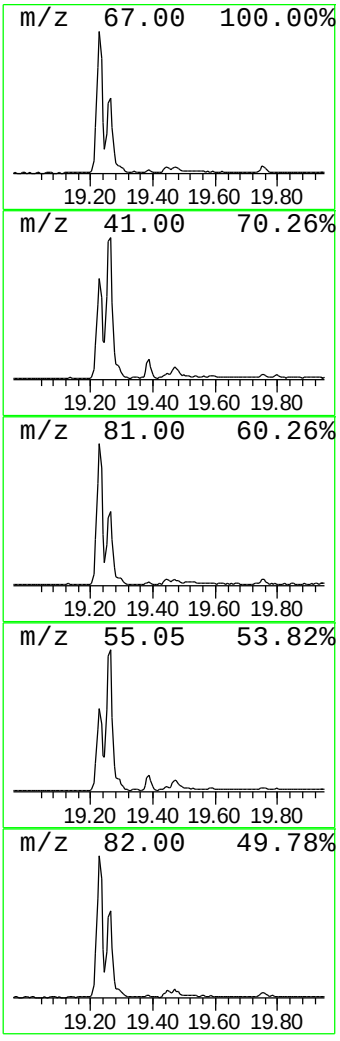
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.45 | 3.44 ng | 114812 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)- | 280 | C18H32O2 | 000060-33-3 | 94 |
| 2 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 93 |
| 3 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 93 |
| 4 | Methyl 10-trans,12-cis-octadecad... | 294 | C19H34O2 | 1000336-44-2 | 93 |
| 5 | 2-Chloroethyl linoleate | 342 | C20H35ClO2 | 025525-76-2 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

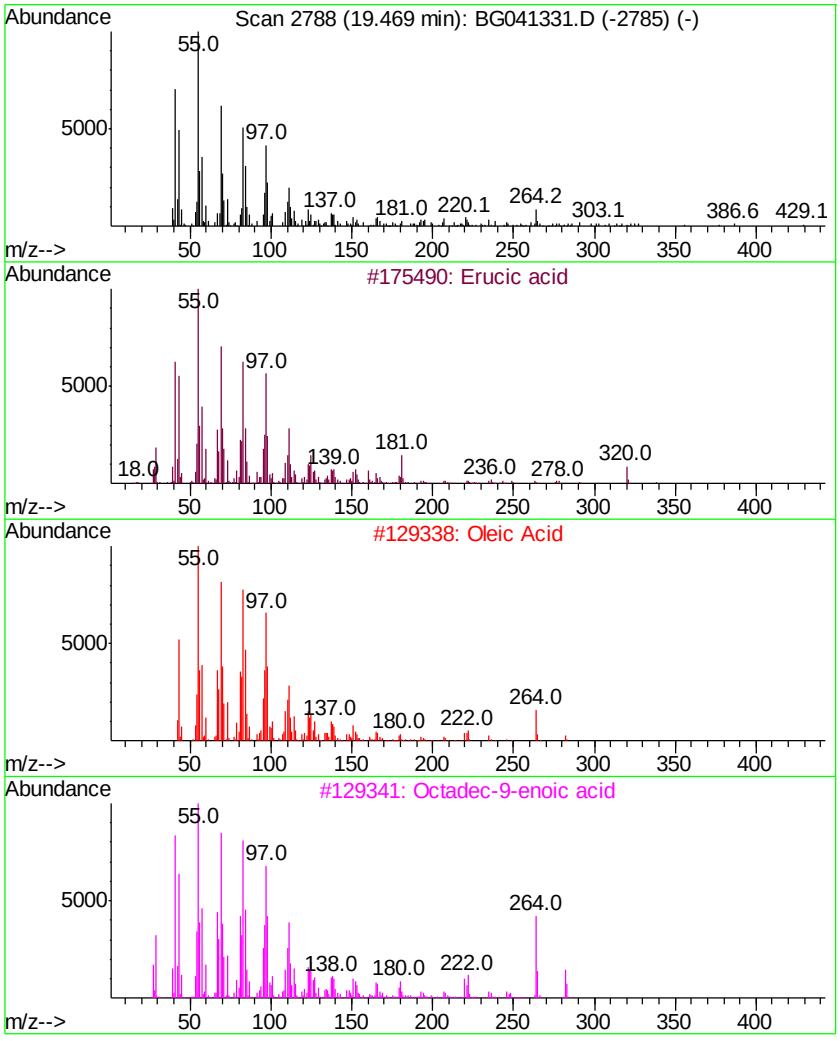
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

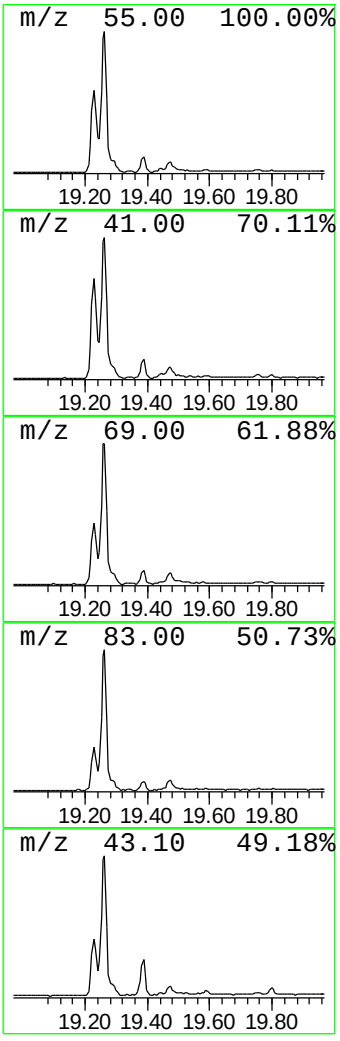
**********

Peak Number 13 Erucic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.47 | 12.92 ng | 431127 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Erucic acid | 338 | C22H42O2 | 000112-86-7 | 90 |
| 2 | Oleic Acid | 282 | C18H34O2 | 000112-80-1 | 90 |
| 3 | Octadec-9-enoic acid | 282 | C18H34O2 | 1000190-13-7 | 87 |
| 4 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 86 |
| 5 | cis-10-Nonadecenoic acid | 296 | C19H36O2 | 073033-09-7 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

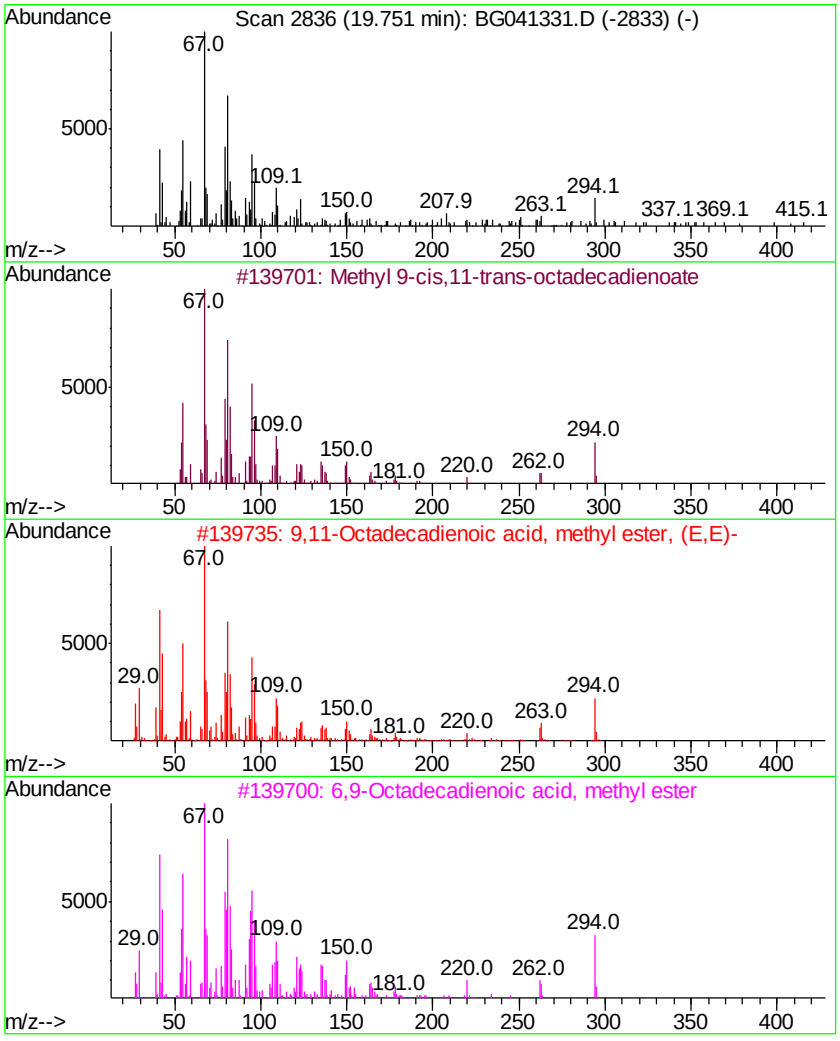
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

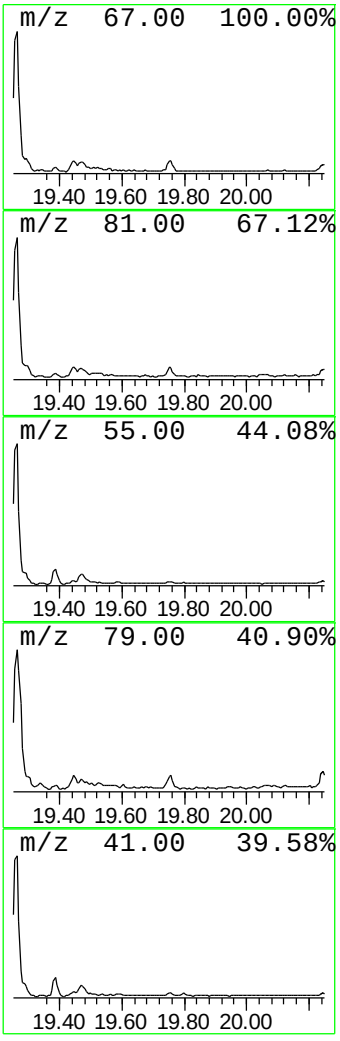
**********

Peak Number 14 Methyl 9-cis,11-trans-octad... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.75 | 2.73 ng | 99732 | Chrysene-d12 | 21.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 91 |
| 2 | 9,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 013038-47-6 | 89 |
| 3 | 6,9-Octadecadienoic acid, methyl... | 294 | C19H34O2 | 056599-55-4 | 86 |
| 4 | (R)-(-)-14-Methyl-8-hexadecyn-1-ol | 252 | C17H32O | 064566-18-3 | 80 |
| 5 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

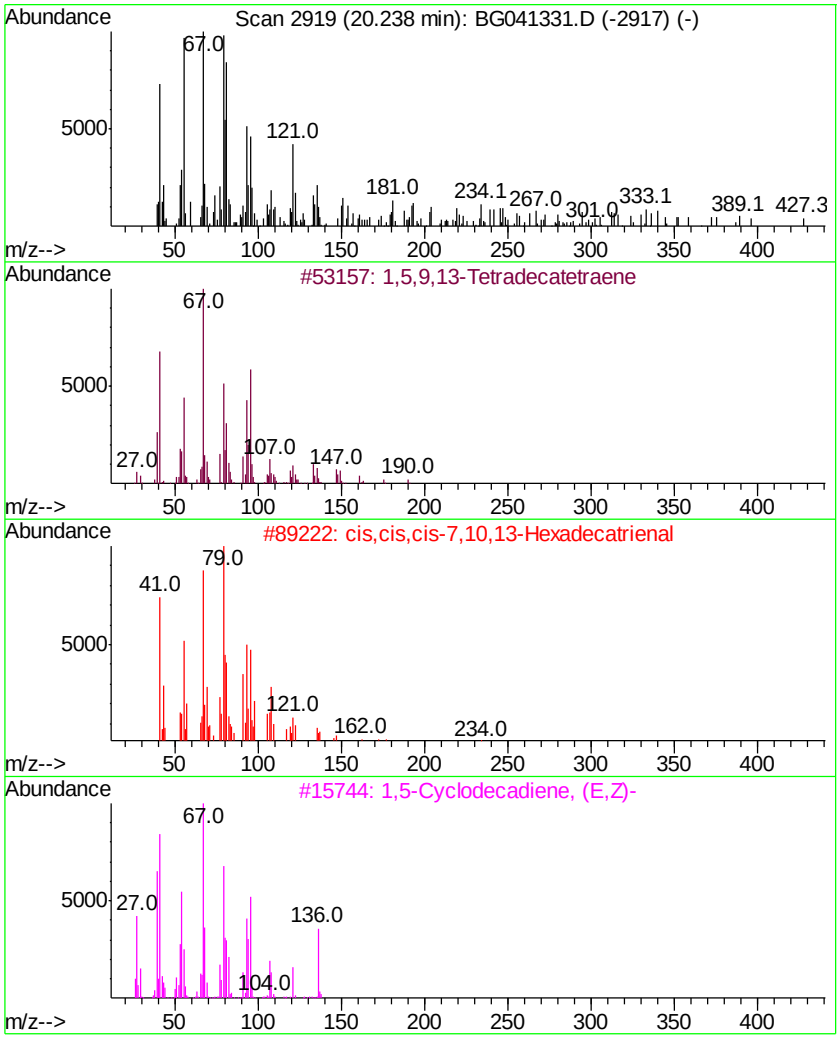
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

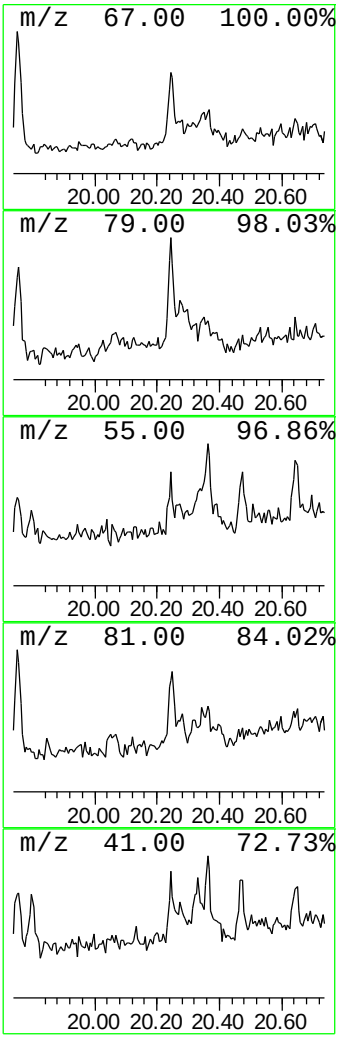
**********

Peak Number 15 1,5,9,13-Tetradecatetraene Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.24 | 2.45 ng | 89275 | Chrysene-d12 | 21.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,5,9,13-Tetradecatetraene | 190 | C14H22 | 051487-38-8 | 91 |
| 2 | cis,cis,cis-7,10,13-Hexadecatrienal | 234 | C16H26O | 056797-43-4 | 87 |
| 3 | 1,5-Cyclodecadiene, (E,Z)- | 136 | C10H16 | 001124-78-3 | 72 |
| 4 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 64 |
| 5 | Bicyclo[4.1.1]oct-2-ene | 108 | C8H12 | 016544-26-6 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

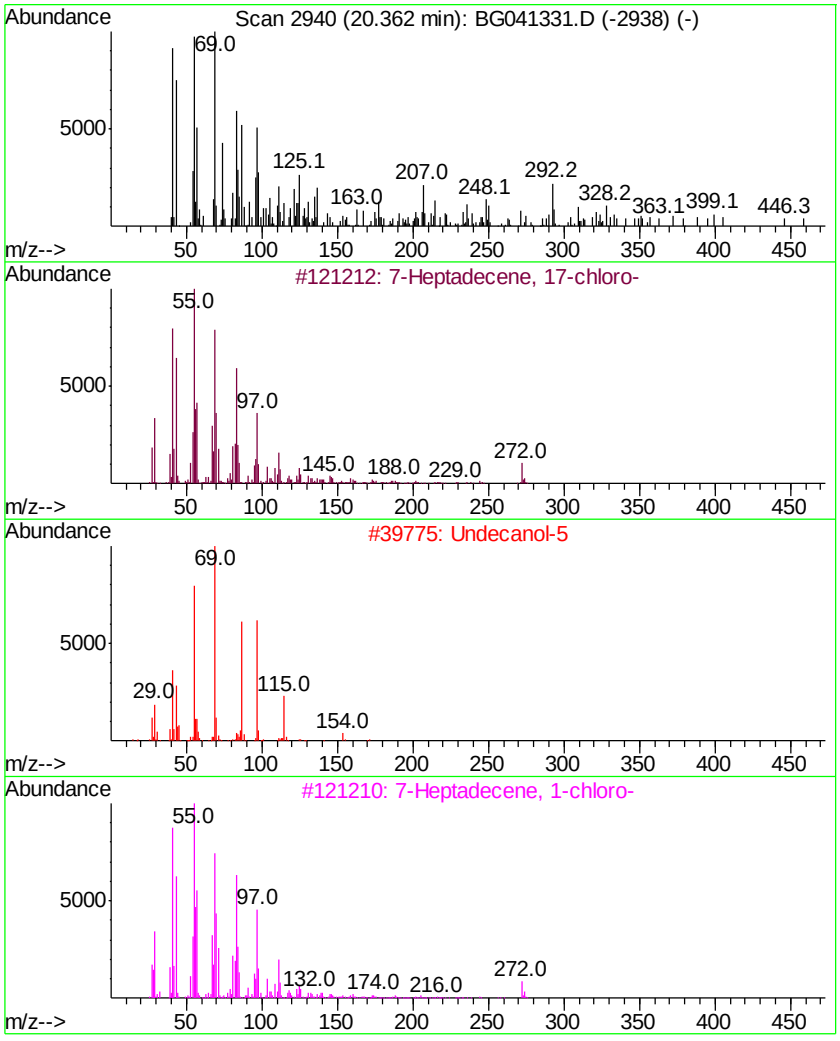
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

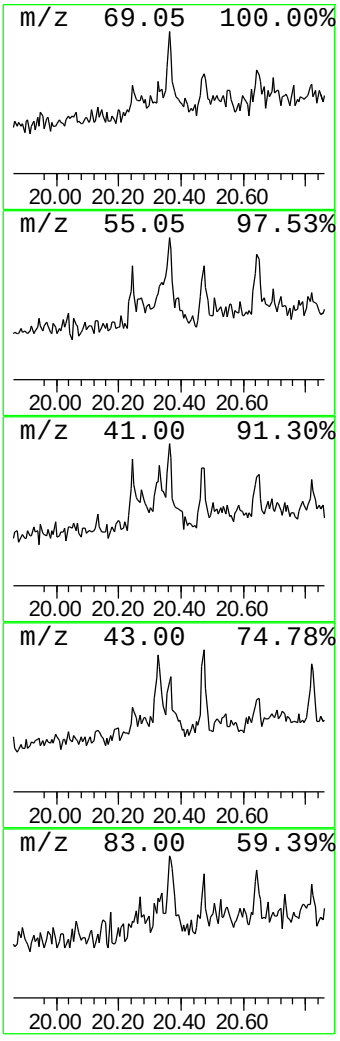
**********

Peak Number 16 7-Heptadecene, 17-chloro- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.36 | 3.13 ng | 114238 | Chrysene-d12 | 21.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Heptadecene, 17-chloro- | 272 | C17H33Cl | 056554-79-1 | 70 |
| 2 | Undecanol-5 | 172 | C11H24O | 037493-70-2 | 59 |
| 3 | 7-Heptadecene, 1-chloro- | 272 | C17H33Cl | 056554-78-0 | 46 |
| 4 | Cyclopentanecarboxylic acid, 4-c... | 215 | C13H13NO2 | 1000307-57-8 | 43 |
| 5 | 5-Decanol | 158 | C10H22O | 005205-34-5 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

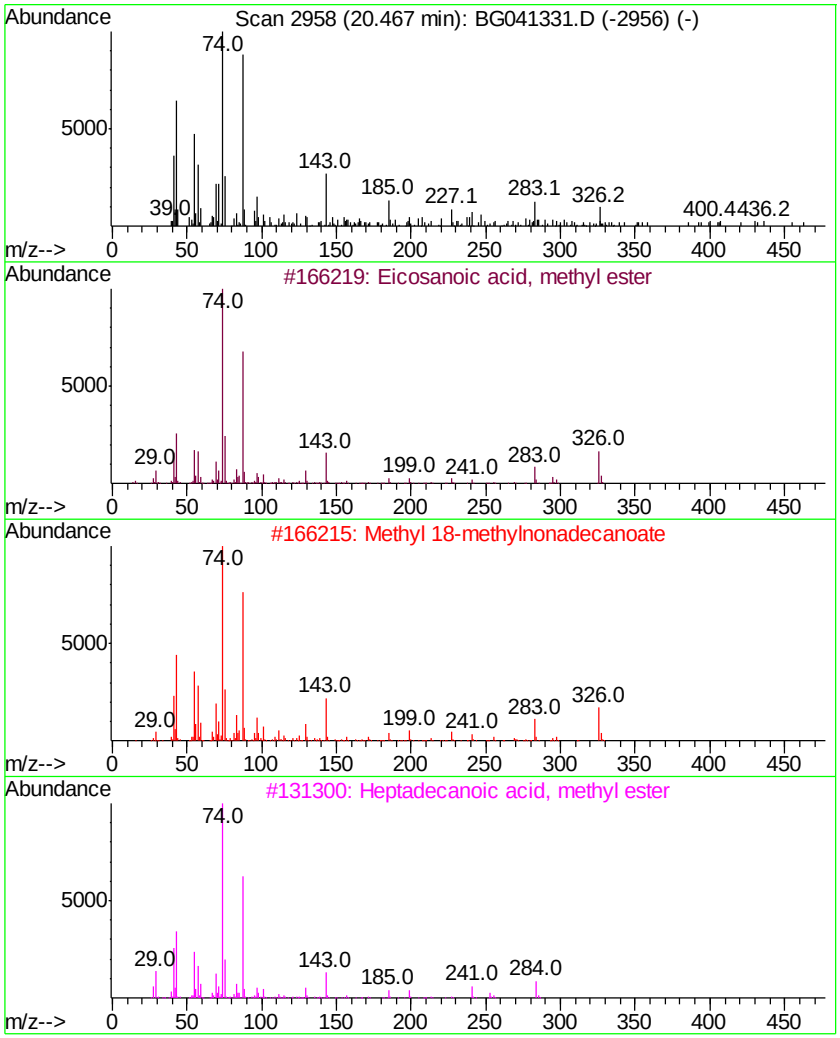
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

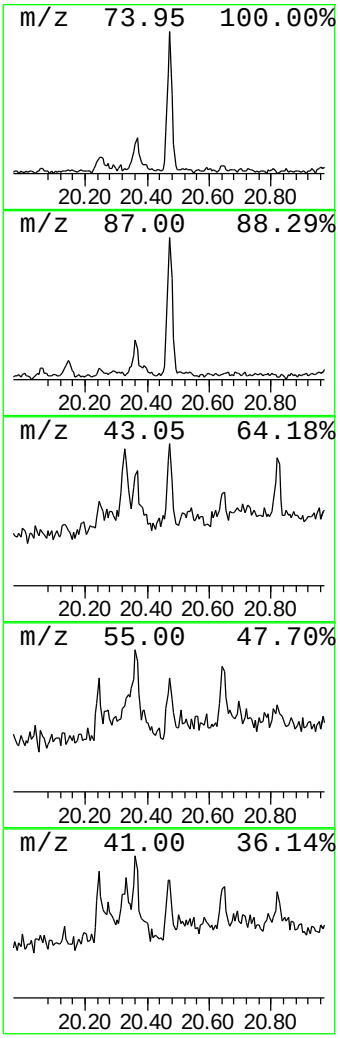
**********

Peak Number 17 Eicosanoic acid, methyl ester Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.47 | 2.46 ng | 89755 | Chrysene-d12 | 21.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosanoic acid, methyl ester | 326 | C21H42O2 | 001120-28-1 | 93 |
| 2 | Methyl 18-methylnonadecanoate | 326 | C21H42O2 | 1000352-20-6 | 93 |
| 3 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 87 |
| 4 | Hexadecanoic acid, 14-methyl-, m... | 284 | C18H36O2 | 002490-49-5 | 87 |
| 5 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061919\
Data File : BG041331.D
Acq On : 19 Jun 2019 16:58
Operator : HP/JU
Sample : K3154-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-02-061419-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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 |
| unknown7.61 | 7.61 | 38.3 | ng | 580468 | 1 | 8.08 | 303115 | 20.0 |
| Tridecane, 1-iodo- | 16.38 | 2.6 | ng | 87343 | 4 | 17.46 | 667585 | 20.0 |
| Pentadecane | 17.17 | 2.5 | ng | 82537 | 4 | 17.46 | 667585 | 20.0 |
| Octacosane | 17.91 | 2.1 | ng | 70014 | 4 | 17.46 | 667585 | 20.0 |
| Hexadecanoic acid... | 18.09 | 34.6 | ng | 1155930 | 4 | 17.46 | 667585 | 20.0 |
| n-Hexadecanoic acid | 18.32 | 6.3 | ng | 209871 | 4 | 17.46 | 667585 | 20.0 |
| Eicosane | 18.60 | 2.3 | ng | 76357 | 4 | 17.46 | 667585 | 20.0 |
| 9,12-Octadecadien... | 19.23 | 109.2 | ng | 3644740 | 4 | 17.46 | 667585 | 20.0 |
| 9-Octadecenoic ac... | 19.26 | 144.3 | ng | 4816420 | 4 | 17.46 | 667585 | 20.0 |
| Methyl stearate | 19.39 | 17.7 | ng | 591825 | 4 | 17.46 | 667585 | 20.0 |
| 9,12-Octadecadien... | 19.45 | 3.4 | ng | 114812 | 4 | 17.46 | 667585 | 20.0 |
| Erucic acid | 19.47 | 12.9 | ng | 431127 | 4 | 17.46 | 667585 | 20.0 |
| Methyl 9-cis,11-t... | 19.75 | 2.7 | ng | 99732 | 5 | 21.74 | 729746 | 20.0 |
| 1,5,9,13-Tetradec... | 20.24 | 2.5 | ng | 89275 | 5 | 21.74 | 729746 | 20.0 |
| 7-Heptadecene, 17... | 20.36 | 3.1 | ng | 114238 | 5 | 21.74 | 729746 | 20.0 |
| Eicosanoic acid, ... | 20.47 | 2.5 | ng | 89755 | 5 | 21.74 | 729746 | 20.0 |