LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.646 | 447 | 452 | 461 | rBV2 | 108699 | 189247 | 7.95% | 0.572% |
| 2 | 6.822 | 639 | 652 | 667 | rBV | 306270 | 669279 | 28.10% | 2.023% |
| 3 | 6.969 | 669 | 677 | 685 | rBV | 273498 | 428428 | 17.99% | 1.295% |
| 4 | 7.163 | 705 | 710 | 720 | rBV | 345077 | 573201 | 24.07% | 1.732% |
| 5 | 7.622 | 777 | 788 | 796 | rBV | 522371 | 868206 | 36.45% | 2.624% |
| 6 | 8.340 | 904 | 910 | 925 | rBV | 379765 | 695811 | 29.22% | 2.103% |
| 7 | 8.775 | 978 | 984 | 992 | rBV | 327015 | 556738 | 23.38% | 1.683% |
| 8 | 9.493 | 1099 | 1106 | 1118 | rBV | 276642 | 485148 | 20.37% | 1.466% |
| 9 | 10.034 | 1192 | 1198 | 1214 | rBV | 399428 | 795431 | 33.40% | 2.404% |
| 10 | 10.393 | 1250 | 1259 | 1265 | rBV | 827602 | 1389303 | 58.34% | 4.199% |
| 11 | 10.445 | 1265 | 1268 | 1275 | rVB | 34219 | 55266 | 2.32% | 0.167% |
| 12 | 10.545 | 1275 | 1285 | 1298 | rBV | 259936 | 548135 | 23.02% | 1.657% |
| 13 | 12.069 | 1539 | 1544 | 1550 | rVB | 36261 | 56816 | 2.39% | 0.172% |
| 14 | 13.675 | 1812 | 1817 | 1822 | rBV | 797963 | 1157133 | 48.59% | 3.497% |
| 15 | 13.722 | 1822 | 1825 | 1835 | rVB | 555842 | 796726 | 33.45% | 2.408% |
| 16 | 13.951 | 1854 | 1864 | 1874 | rBV | 1010781 | 1587986 | 66.68% | 4.800% |
| 17 | 14.169 | 1895 | 1901 | 1905 | rBV2 | 37155 | 51154 | 2.15% | 0.155% |
| 18 | 14.263 | 1907 | 1917 | 1926 | rBV2 | 1209413 | 2006149 | 84.24% | 6.064% |
| 19 | 14.516 | 1955 | 1960 | 1970 | rBV | 162457 | 351158 | 14.74% | 1.061% |
| 20 | 14.669 | 1981 | 1986 | 1990 | rBV2 | 30638 | 55852 | 2.35% | 0.169% |
| 21 | 15.057 | 2047 | 2052 | 2056 | rBV6 | 25176 | 53448 | 2.24% | 0.162% |
| 22 | 15.128 | 2061 | 2064 | 2072 | rVB | 44422 | 60508 | 2.54% | 0.183% |
| 23 | 15.263 | 2081 | 2087 | 2093 | rBV | 1361032 | 1893389 | 79.50% | 5.723% |
| 24 | 15.316 | 2093 | 2096 | 2101 | rVB4 | 23594 | 38583 | 1.62% | 0.117% |
| 25 | 15.410 | 2107 | 2112 | 2120 | rBV | 172951 | 279991 | 11.76% | 0.846% |
| 26 | 15.533 | 2130 | 2133 | 2138 | rVB2 | 40226 | 55218 | 2.32% | 0.167% |
| 27 | 16.010 | 2207 | 2214 | 2222 | rBV2 | 114852 | 289343 | 12.15% | 0.875% |
| 28 | 16.527 | 2298 | 2302 | 2309 | rBV | 183137 | 259951 | 10.92% | 0.786% |
| 29 | 16.622 | 2315 | 2318 | 2322 | rVB | 81537 | 96939 | 4.07% | 0.293% |
| 30 | 16.786 | 2342 | 2346 | 2350 | rBV | 220386 | 292189 | 12.27% | 0.883% |
| 31 | 16.833 | 2351 | 2354 | 2360 | rVV | 123548 | 180625 | 7.58% | 0.546% |
| 32 | 16.886 | 2361 | 2363 | 2369 | rVB2 | 73093 | 98457 | 4.13% | 0.298% |
| 33 | 17.016 | 2380 | 2385 | 2390 | rBV2 | 1549708 | 2221058 | 93.26% | 6.713% |
| 34 | 17.057 | 2390 | 2392 | 2397 | rVV | 235188 | 293416 | 12.32% | 0.887% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.116 | 2397 | 2402 | 2412 | rVV | 1341196 | 1982396 | 83.24% | 5.992% |
| 36 | 17.722 | 2501 | 2505 | 2510 | rBV | 407083 | 514452 | 21.60% | 1.555% |
| 37 | 17.922 | 2536 | 2539 | 2547 | rBV6 | 232479 | 386177 | 16.22% | 1.167% |
| 38 | 17.986 | 2548 | 2550 | 2554 | rVB | 181971 | 209205 | 8.78% | 0.632% |
| 39 | 18.780 | 2682 | 2685 | 2691 | rVB | 328011 | 463308 | 19.45% | 1.400% |
| 40 | 19.086 | 2733 | 2737 | 2741 | rBV | 495638 | 636290 | 26.72% | 1.923% |
| 41 | 19.421 | 2790 | 2794 | 2797 | rBV | 1397335 | 1982989 | 83.26% | 5.994% |
| 42 | 21.145 | 3083 | 3087 | 3091 | rVB | 1581517 | 1836298 | 77.10% | 5.550% |
| 43 | 21.221 | 3096 | 3100 | 3104 | rVV | 1471818 | 2381586 | 100.00% | 7.198% |
| 44 | 21.263 | 3104 | 3107 | 3112 | rVB | 1344520 | 1620739 | 68.05% | 4.899% |
| 45 | 23.304 | 3450 | 3454 | 3458 | rBV2 | 944681 | 1641818 | 68.94% | 4.962% |

Sum of corrected areas: 33085540

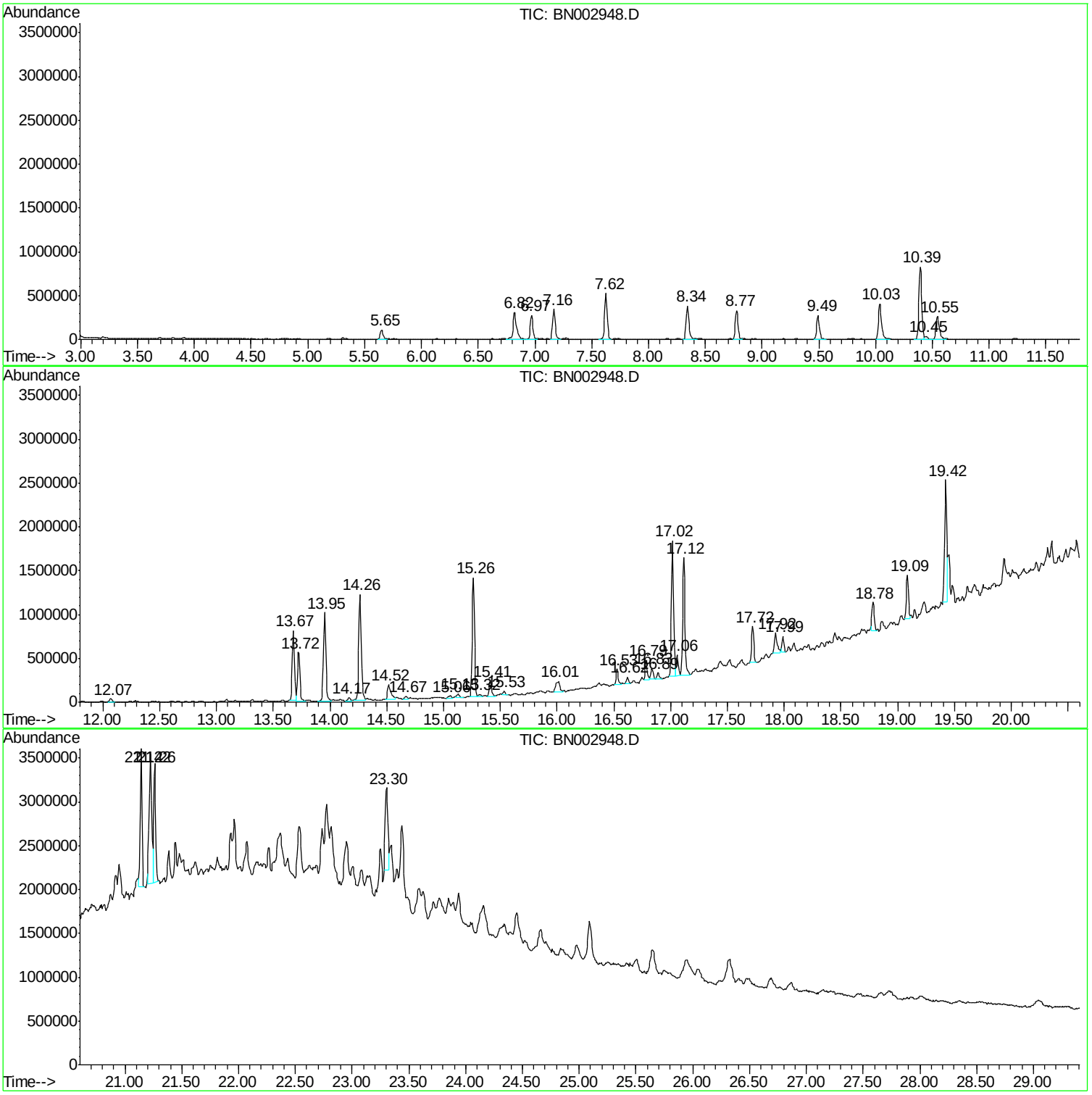
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

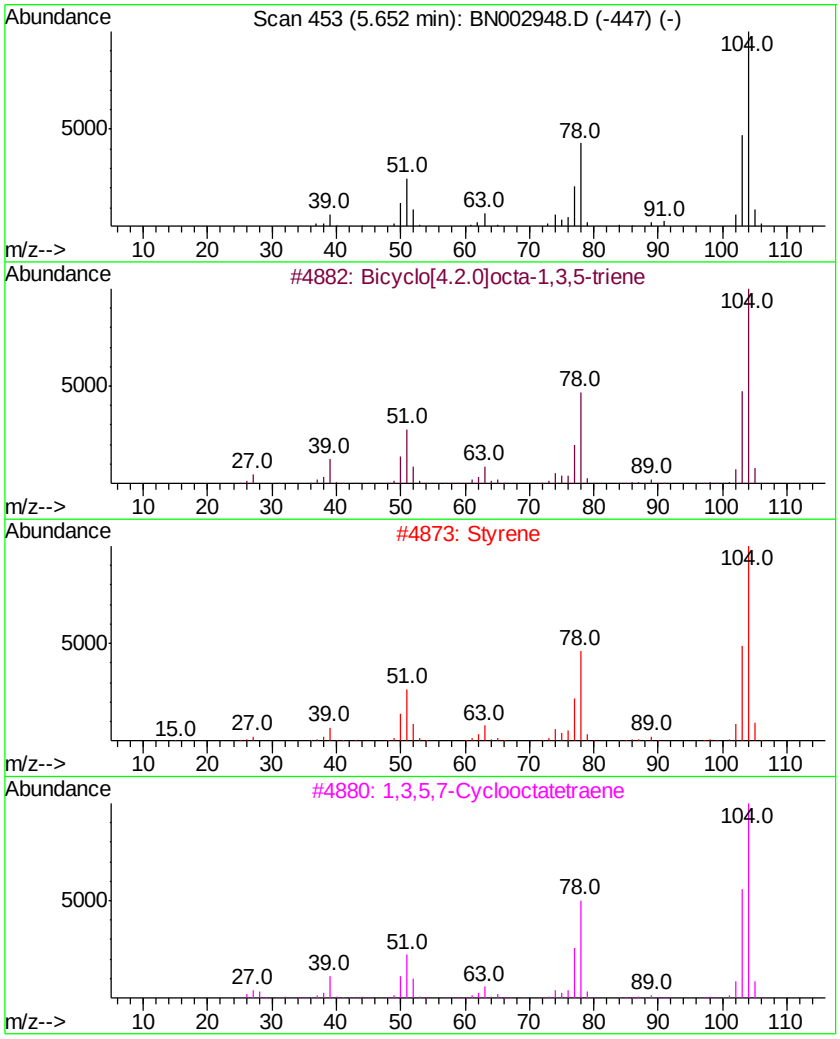
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

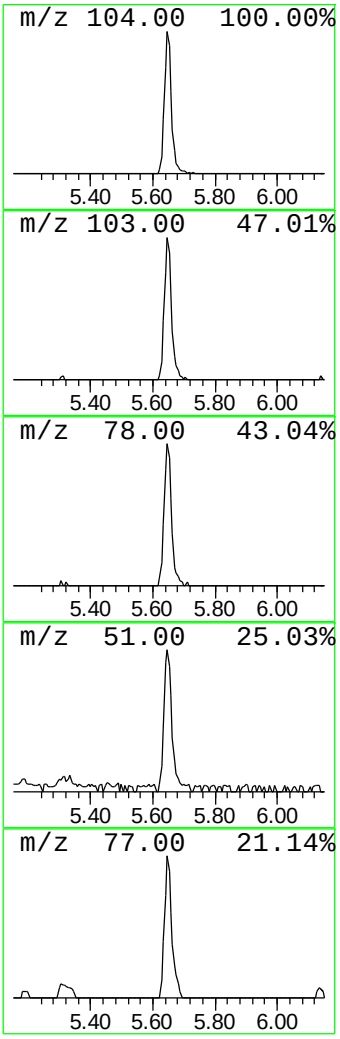
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.65 | 4.36 ng/ul | 189247 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.2.0]octa-1,3,5-triene | 104 | C8H8 | 000694-87-1 | 96 |
| 2 | Styrene | 104 | C8H8 | 000100-42-5 | 96 |
| 3 | 1,3,5,7-Cyclooctatetraene | 104 | C8H8 | 000629-20-9 | 95 |
| 4 | Styrene | 104 | C8H8 | 000100-42-5 | 94 |
| 5 | 1,3,5,7-Cyclooctatetraene | 104 | C8H8 | 000629-20-9 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

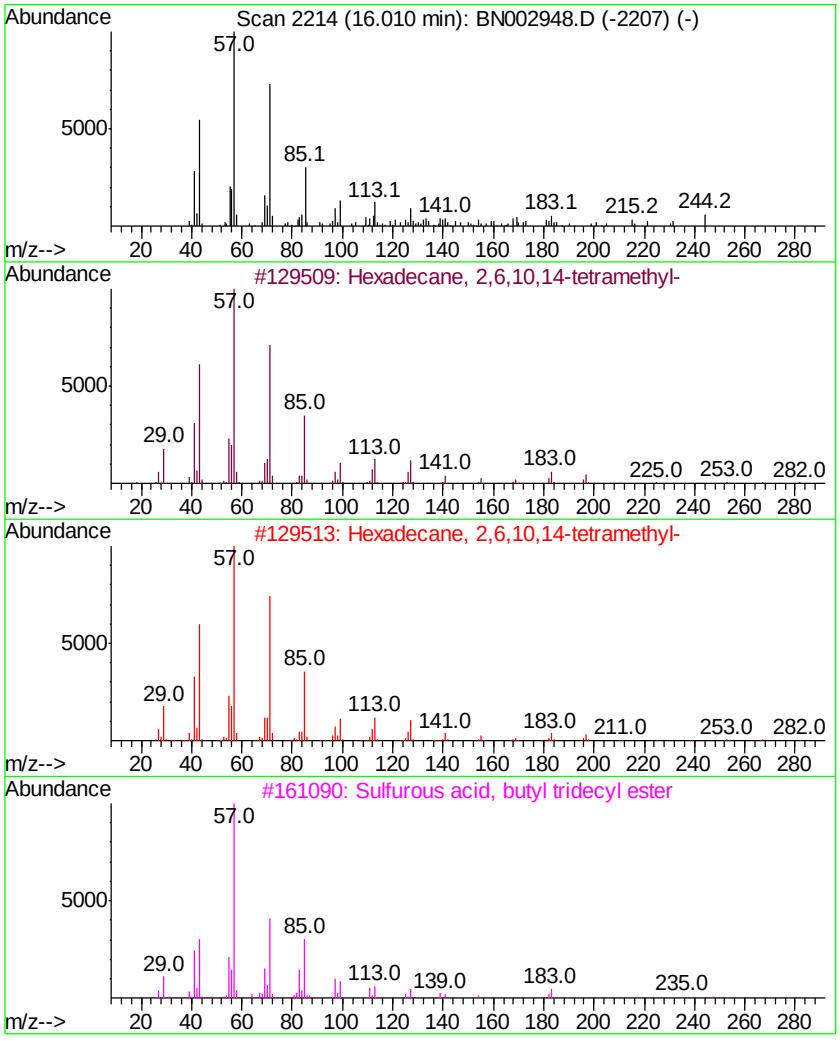
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

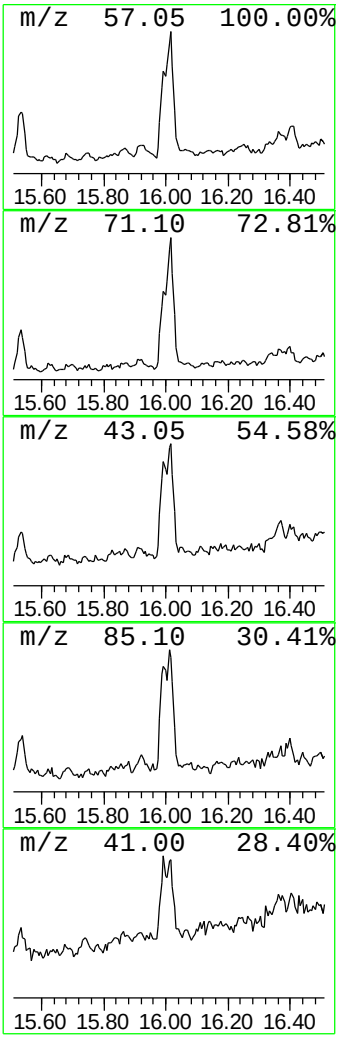
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.01 | 2.61 ng/ul | 289343 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 87 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 87 |
| 3 | Sulfurous acid, butyl tridecyl e... | 320 | C17H36O3S | 1000309-18-0 | 86 |
| 4 | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42 | 000504-44-9 | 80 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

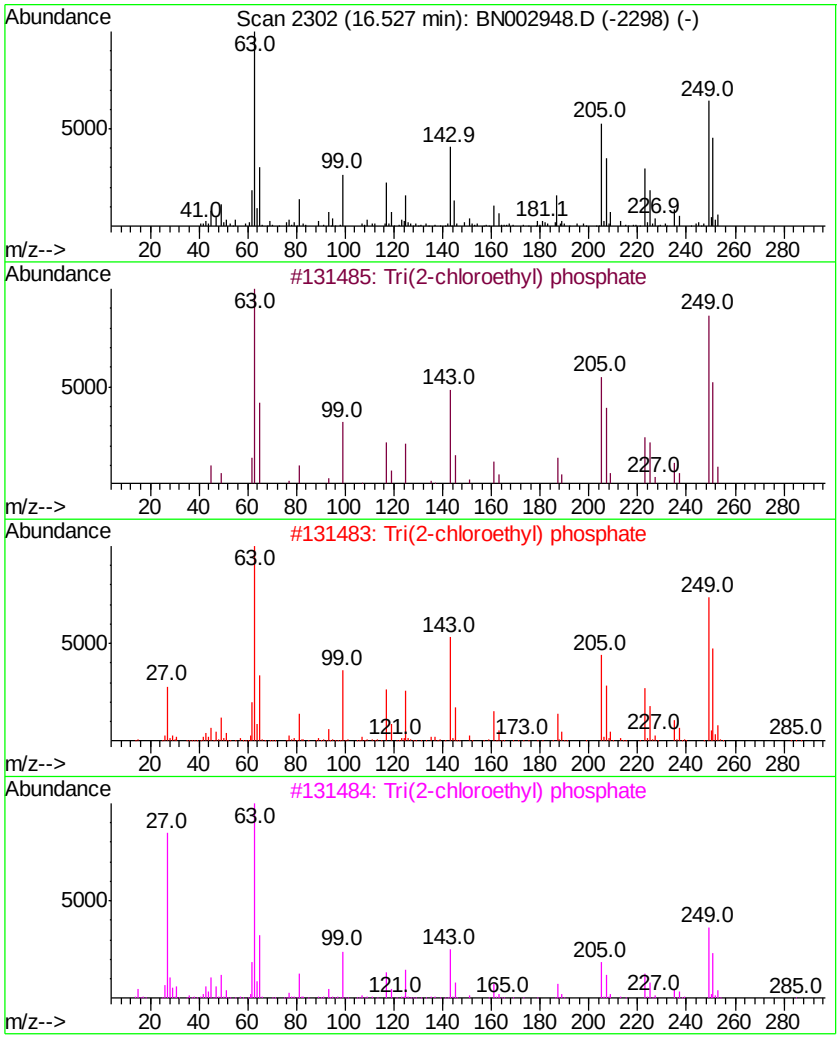
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

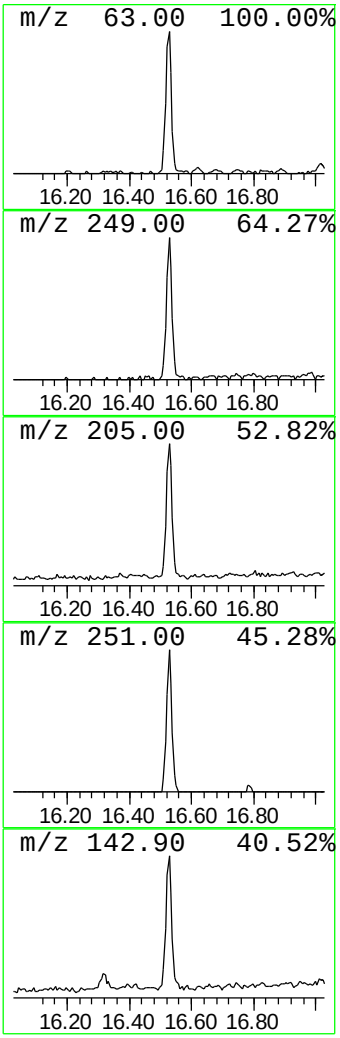
**********

Peak Number 3 Tri(2-chloroethyl) phosphate Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.53 | 2.34 ng/ul | 259951 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tri(2-chloroethyl) phosphate | 284 | C6H12Cl3O4P | 000115-96-8 | 93 |
| 2 | Tri(2-chloroethyl) phosphate | 284 | C6H12Cl3O4P | 000115-96-8 | 90 |
| 3 | Tri(2-chloroethyl) phosphate | 284 | C6H12Cl3O4P | 000115-96-8 | 72 |
| 4 | Ethene, (2-chloroethoxy)- | 106 | C4H7ClO | 000110-75-8 | 47 |
| 5 | Ethene, (2-chloroethoxy)- | 106 | C4H7ClO | 000110-75-8 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

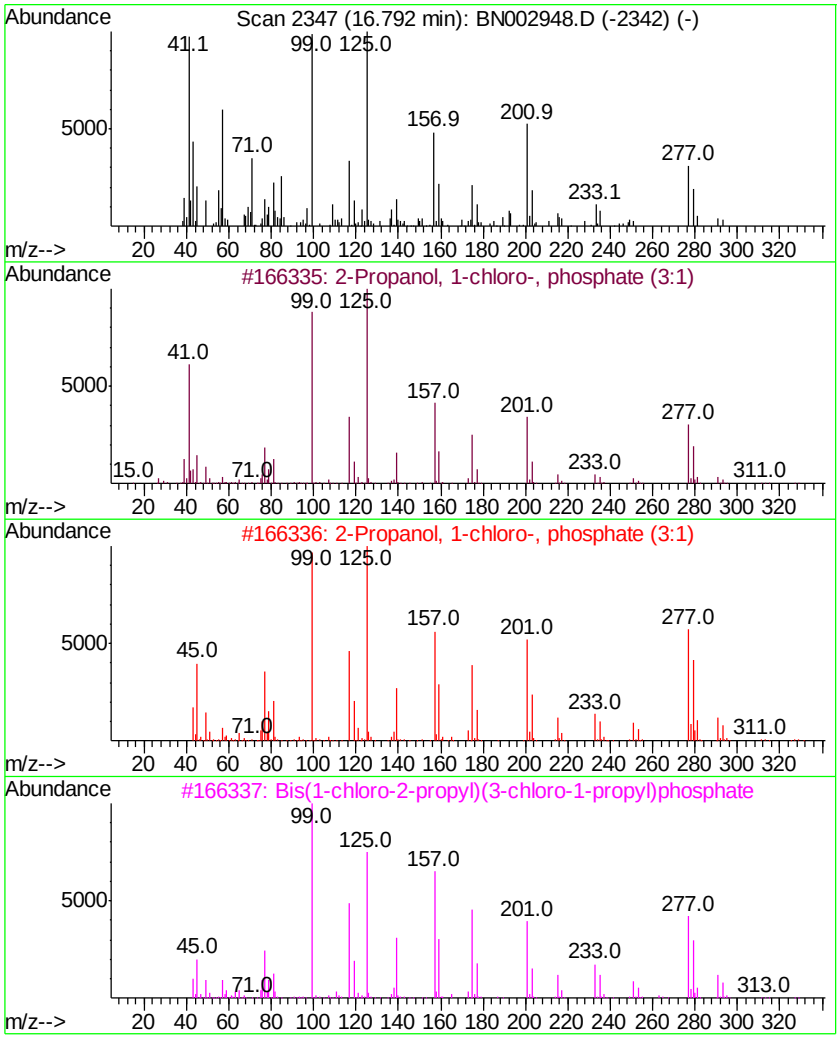
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

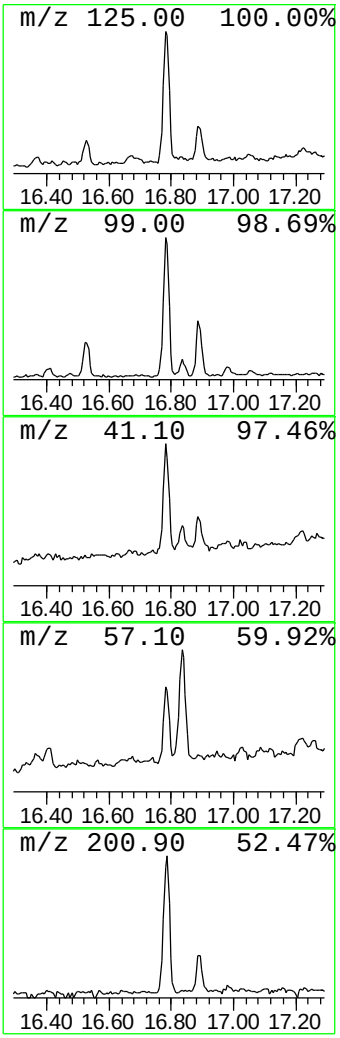
**********

Peak Number 4 2-Propanol, 1-chloro-, phos... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.79 | 2.63 ng/ul | 292189 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-chloro-, phosphate... | 326 | C9H18Cl3O4P | 013674-84-5 | 93 |
| 2 | 2-Propanol, 1-chloro-, phosphate... | 326 | C9H18Cl3O4P | 013674-84-5 | 49 |
| 3 | Bis(1-chloro-2-propyl)(3-chloro-... | 326 | C9H18Cl3O4P | 137909-40-1 | 43 |
| 4 | Sarin | 140 | C4H10FO2P | 000107-44-8 | 38 |
| 5 | 1,2,5-Oxadiazol-3-amine, 4-[5-(4... | 277 | C11H8ClN5O2 | 1000276-59-0 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

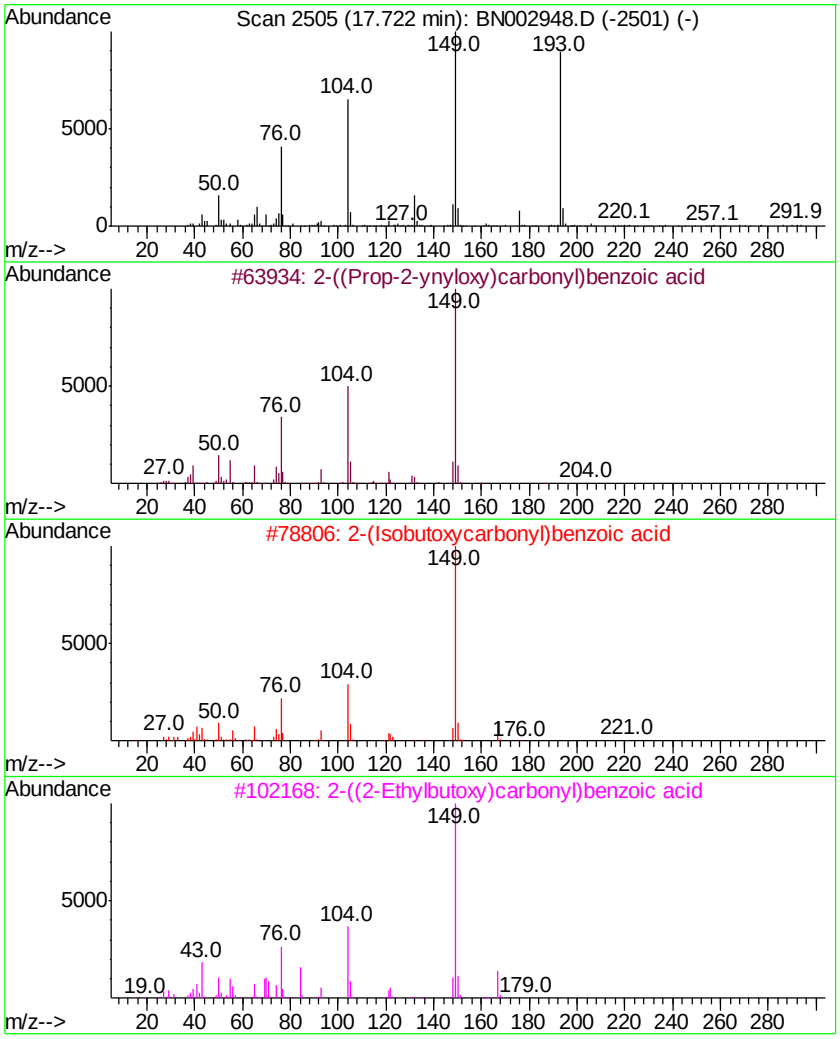
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

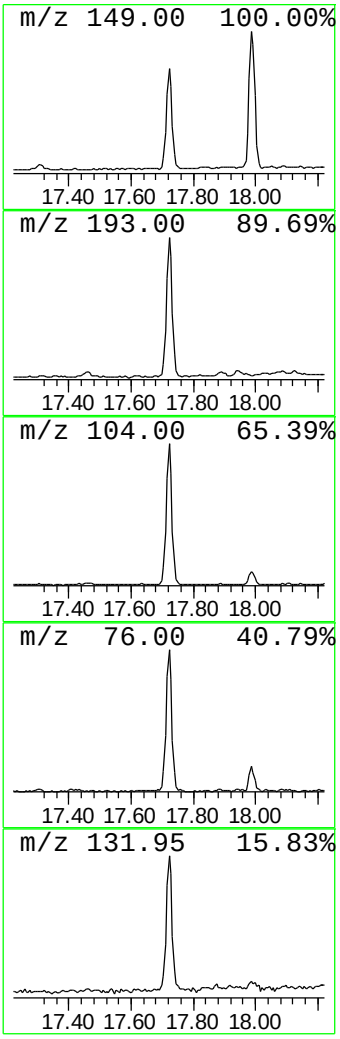
**********

Peak Number 5 unknown-01 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.72 | 4.63 ng/ul | 514452 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-((Prop-2-ynyloxy)carbonyl)benz... | 204 | C11H8O4 | 1000373-53-6 | 49 |
| 2 | 2-(Isobutoxycarbonyl)benzoic acid | 222 | C12H14O4 | 1000373-52-8 | 38 |
| 3 | 2-((2-Ethylbutoxy)carbonyl)benzo... | 250 | C14H18O4 | 1000373-62-8 | 38 |
| 4 | 6-Amino-1-methylpurine | 149 | C6H7N5 | 005142-22-3 | 27 |
| 5 | 2-(2-Carboxyvinyl)pyridine, trans | 149 | C8H7NO2 | 007340-22-9 | 25 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

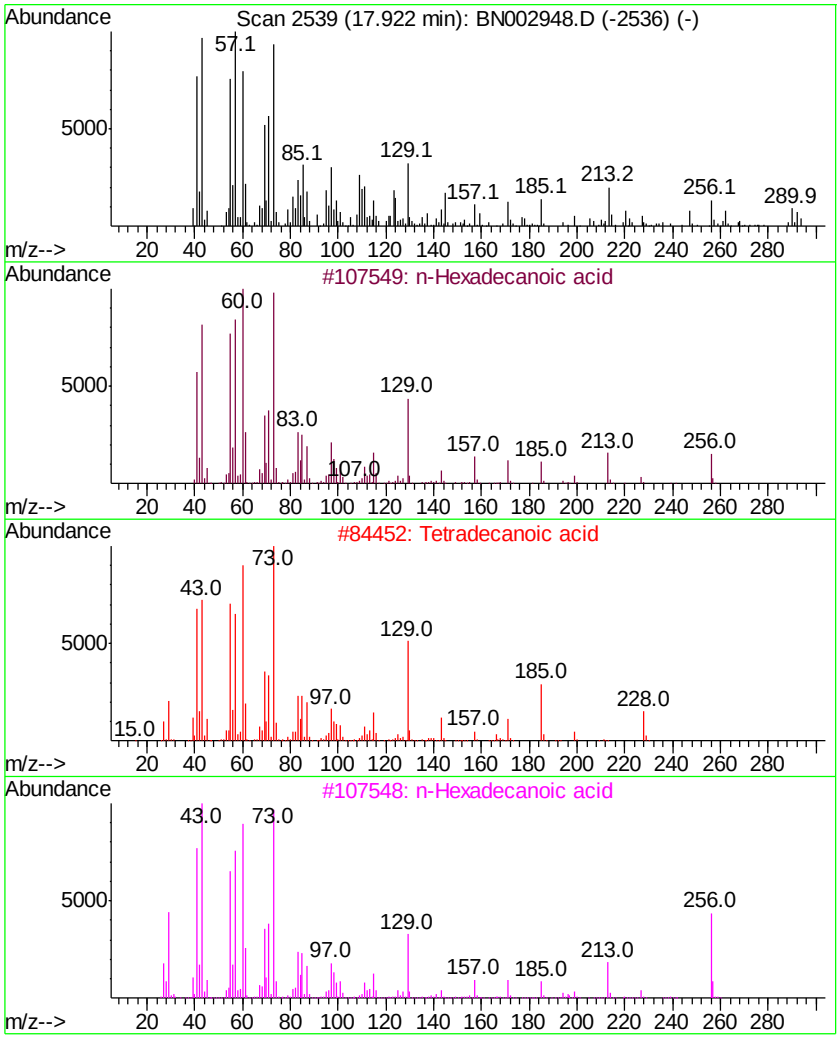
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

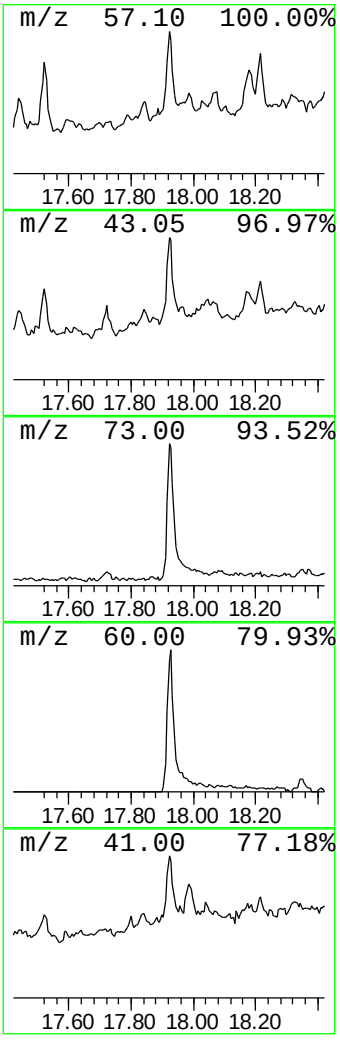
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 3.48 ng/ul | 386177 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 60 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

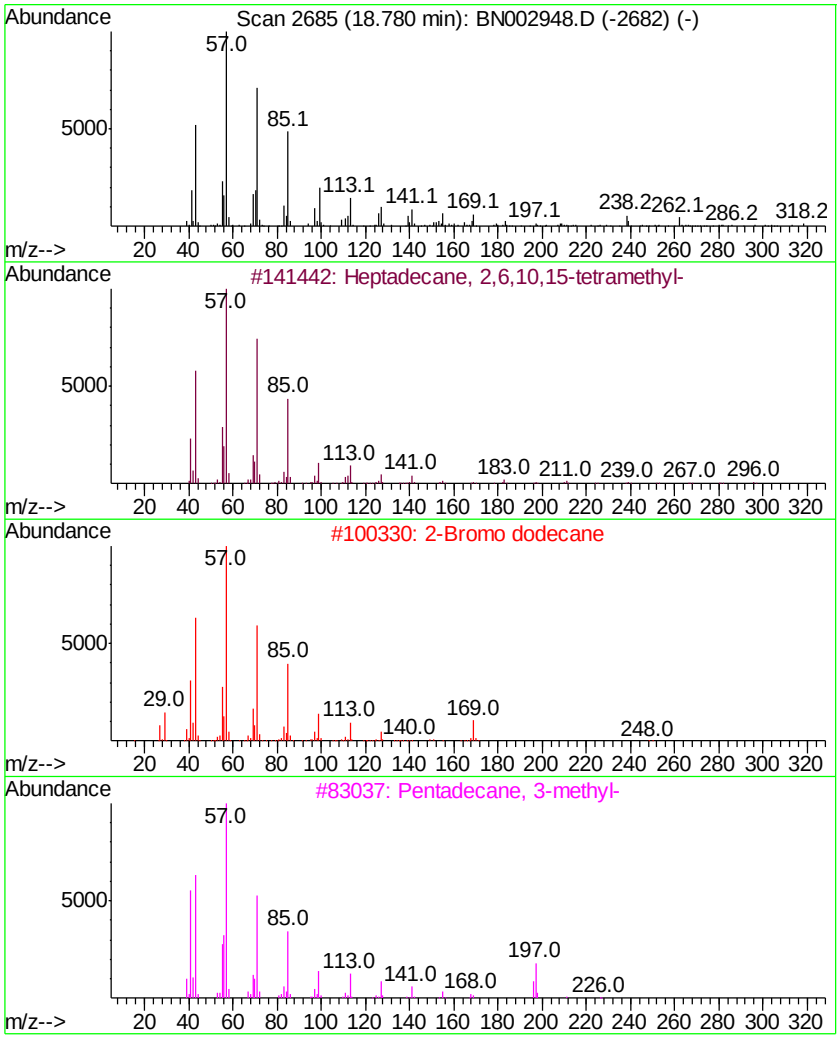
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

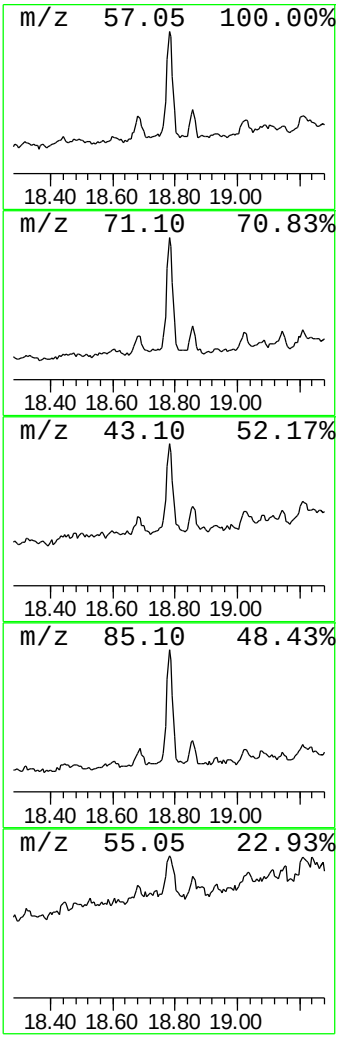
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.78 | 4.17 ng/ul | 463308 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 94 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 93 |
| 3 | Pentadecane, 3-methyl- | 226 | C16H34 | 002882-96-4 | 93 |
| 4 | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 87 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100518\
Data File : BN002948.D
Acq On : 05 Oct 2018 00:18
Operator : MJ/SJ
Sample : J5184-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** JLC26

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA 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 |
| Bicyclo[4.2.0]oct... | 5.65 | 4.4 | ng/ul | 189247 | 1 | 7.62 | 868206 | 20.0 |
| (DEL) Alkane: Str... | 16.01 | 2.6 | ng/ul | 289343 | 4 | 17.02 | 2221060 | 20.0 |
| Tri(2-chloroethyl... | 16.53 | 2.3 | ng/ul | 259951 | 4 | 17.02 | 2221060 | 20.0 |
| 2-Propanol, 1-chl... | 16.79 | 2.6 | ng/ul | 292189 | 4 | 17.02 | 2221060 | 20.0 |
| unknown-01 | 17.72 | 4.6 | ng/ul | 514452 | 4 | 17.02 | 2221060 | 20.0 |
| n-Hexadecanoic acid | 17.92 | 3.5 | ng/ul | 386177 | 4 | 17.02 | 2221060 | 20.0 |
| (DEL) Alkane: Str... | 18.78 | 4.2 | ng/ul | 463308 | 4 | 17.02 | 2221060 | 20.0 |