LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.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 | 3.693 | 13 | 18 | 25 | rVB | 128016 | 179135 | 1.38% | 0.117% |
| 2 | 7.004 | 572 | 581 | 592 | rBV | 138968 | 252284 | 1.94% | 0.165% |
| 3 | 7.687 | 692 | 697 | 710 | rVB2 | 500208 | 1102862 | 8.50% | 0.720% |
| 4 | 7.869 | 721 | 728 | 737 | rBV | 1770692 | 2819336 | 21.73% | 1.839% |
| 5 | 8.087 | 758 | 765 | 773 | rBV | 1883986 | 3059281 | 23.58% | 1.996% |
| 6 | 8.569 | 837 | 847 | 864 | rBV | 1850348 | 3198810 | 24.66% | 2.087% |
| 7 | 8.951 | 907 | 912 | 920 | rVB | 107023 | 179343 | 1.38% | 0.117% |
| 8 | 9.063 | 923 | 931 | 936 | rBV2 | 89484 | 154174 | 1.19% | 0.101% |
| 9 | 9.263 | 959 | 965 | 976 | rVB | 1477920 | 2414350 | 18.61% | 1.575% |
| 10 | 9.692 | 1027 | 1038 | 1042 | rBV4 | 169441 | 378220 | 2.92% | 0.247% |
| 11 | 9.751 | 1042 | 1048 | 1063 | rVB | 2246732 | 3954821 | 30.49% | 2.580% |
| 12 | 10.051 | 1093 | 1099 | 1105 | rVB2 | 179646 | 325963 | 2.51% | 0.213% |
| 13 | 10.122 | 1105 | 1111 | 1118 | rBV2 | 173796 | 329600 | 2.54% | 0.215% |
| 14 | 10.216 | 1123 | 1127 | 1135 | rVB | 94525 | 151253 | 1.17% | 0.099% |
| 15 | 10.480 | 1165 | 1172 | 1185 | rBV | 1684559 | 2995376 | 23.09% | 1.954% |
| 16 | 10.586 | 1185 | 1190 | 1195 | rVV3 | 74337 | 136103 | 1.05% | 0.089% |
| 17 | 10.651 | 1195 | 1201 | 1214 | rVB2 | 330540 | 646702 | 4.99% | 0.422% |
| 18 | 10.798 | 1216 | 1226 | 1235 | rBV2 | 884257 | 1580356 | 12.18% | 1.031% |
| 19 | 11.022 | 1257 | 1264 | 1271 | rVV | 2588505 | 4398914 | 33.91% | 2.870% |
| 20 | 11.422 | 1323 | 1332 | 1344 | rVB | 2611199 | 4966385 | 38.29% | 3.240% |
| 21 | 11.533 | 1344 | 1351 | 1357 | rBV3 | 242907 | 531525 | 4.10% | 0.347% |
| 22 | 11.598 | 1357 | 1362 | 1369 | rVB3 | 107569 | 247769 | 1.91% | 0.162% |
| 23 | 11.710 | 1376 | 1381 | 1386 | rBV | 125943 | 204707 | 1.58% | 0.134% |
| 24 | 11.763 | 1386 | 1390 | 1397 | rVB2 | 137839 | 239599 | 1.85% | 0.156% |
| 25 | 12.145 | 1449 | 1455 | 1461 | rBV | 178523 | 312153 | 2.41% | 0.204% |
| 26 | 12.310 | 1477 | 1483 | 1492 | rVB3 | 138573 | 277987 | 2.14% | 0.181% |
| 27 | 12.498 | 1509 | 1515 | 1524 | rBV3 | 138773 | 337749 | 2.60% | 0.220% |
| 28 | 12.598 | 1524 | 1532 | 1537 | rBV5 | 60591 | 138306 | 1.07% | 0.090% |
| 29 | 12.698 | 1544 | 1549 | 1556 | rVB | 102773 | 159000 | 1.23% | 0.104% |
| 30 | 12.939 | 1583 | 1590 | 1596 | rBV3 | 215621 | 472624 | 3.64% | 0.308% |
| 31 | 13.157 | 1622 | 1627 | 1631 | rBV | 90565 | 141915 | 1.09% | 0.093% |
| 32 | 13.251 | 1632 | 1643 | 1651 | rVB | 8018651 | 12971561 | 100.00% | 8.463% |
| 33 | 13.427 | 1667 | 1673 | 1676 | rBV4 | 87286 | 155936 | 1.20% | 0.102% |
| 34 | 13.474 | 1677 | 1681 | 1687 | rVV4 | 47986 | 136194 | 1.05% | 0.089% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.651 | 1707 | 1711 | 1715 | rBV2 | 114062 | 196473 | 1.51% | 0.128% |
| 36 | 13.727 | 1720 | 1724 | 1729 | rVV2 | 90323 | 168524 | 1.30% | 0.110% |
| 37 | 13.780 | 1730 | 1733 | 1741 | rVB4 | 72308 | 143021 | 1.10% | 0.093% |
| 38 | 14.145 | 1790 | 1795 | 1800 | rVB3 | 134630 | 241240 | 1.86% | 0.157% |
| 39 | 14.204 | 1800 | 1805 | 1809 | rBV2 | 176707 | 269903 | 2.08% | 0.176% |
| 40 | 14.492 | 1847 | 1854 | 1859 | rBV4 | 265626 | 619824 | 4.78% | 0.404% |
| 41 | 14.557 | 1859 | 1865 | 1870 | rVV | 4478818 | 6244117 | 48.14% | 4.074% |
| 42 | 14.604 | 1870 | 1873 | 1877 | rVV | 432367 | 616653 | 4.75% | 0.402% |
| 43 | 14.645 | 1877 | 1880 | 1887 | rVB3 | 110999 | 193851 | 1.49% | 0.126% |
| 44 | 14.868 | 1912 | 1918 | 1926 | rBV | 5345166 | 8126313 | 62.65% | 5.302% |
| 45 | 15.021 | 1940 | 1944 | 1949 | rVB | 214076 | 289908 | 2.23% | 0.189% |
| 46 | 15.168 | 1963 | 1969 | 1975 | rBV2 | 3446035 | 5429145 | 41.85% | 3.542% |
| 47 | 15.233 | 1975 | 1980 | 1986 | rVB | 1689015 | 2521474 | 19.44% | 1.645% |
| 48 | 15.315 | 1986 | 1994 | 1999 | rBV3 | 424953 | 863746 | 6.66% | 0.564% |
| 49 | 15.510 | 2025 | 2027 | 2035 | rVB4 | 100800 | 185918 | 1.43% | 0.121% |
| 50 | 15.598 | 2039 | 2042 | 2046 | rBV4 | 99951 | 173247 | 1.34% | 0.113% |
| 51 | 15.692 | 2054 | 2058 | 2063 | rVB5 | 135212 | 252897 | 1.95% | 0.165% |
| 52 | 15.757 | 2065 | 2069 | 2075 | rVB7 | 137511 | 258630 | 1.99% | 0.169% |
| 53 | 15.868 | 2084 | 2088 | 2093 | rBV | 320498 | 504661 | 3.89% | 0.329% |
| 54 | 15.962 | 2100 | 2104 | 2107 | rBV | 229449 | 272738 | 2.10% | 0.178% |
| 55 | 16.145 | 2129 | 2135 | 2143 | rBV | 6309628 | 9154682 | 70.58% | 5.973% |
| 56 | 16.239 | 2146 | 2151 | 2160 | rVV | 1743050 | 2576985 | 19.87% | 1.681% |
| 57 | 16.474 | 2188 | 2191 | 2203 | rBV6 | 196212 | 461051 | 3.55% | 0.301% |
| 58 | 16.809 | 2245 | 2248 | 2252 | rVB | 182580 | 194020 | 1.50% | 0.127% |
| 59 | 17.039 | 2284 | 2287 | 2291 | rBV2 | 129523 | 157731 | 1.22% | 0.103% |
| 60 | 17.662 | 2389 | 2393 | 2395 | rBV5 | 157586 | 272973 | 2.10% | 0.178% |
| 61 | 17.880 | 2425 | 2430 | 2439 | rVB2 | 3881034 | 5611002 | 43.26% | 3.661% |
| 62 | 17.980 | 2441 | 2447 | 2456 | rVB2 | 5978347 | 8638652 | 66.60% | 5.636% |
| 63 | 18.715 | 2567 | 2572 | 2579 | rBV | 2255567 | 3246959 | 25.03% | 2.118% |
| 64 | 19.839 | 2759 | 2763 | 2770 | rBV2 | 597544 | 898508 | 6.93% | 0.586% |
| 65 | 19.950 | 2778 | 2782 | 2802 | rBV | 3128846 | 4373018 | 33.71% | 2.853% |
| 66 | 20.168 | 2817 | 2819 | 2821 | rBV | 173738 | 152830 | 1.18% | 0.100% |
| 67 | 20.215 | 2821 | 2827 | 2837 | rVB | 5696668 | 8079356 | 62.29% | 5.271% |
| 68 | 20.686 | 2904 | 2907 | 2913 | rVB | 397798 | 452689 | 3.49% | 0.295% |
| 69 | 21.168 | 2986 | 2989 | 2996 | rVB | 739754 | 866389 | 6.68% | 0.565% |
| 70 | 21.621 | 3062 | 3066 | 3075 | rVB | 1484716 | 1744300 | 13.45% | 1.138% |
| 71 | 21.962 | 3119 | 3124 | 3131 | rVB | 3238178 | 4517305 | 34.82% | 2.947% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 22.074 | 3139 | 3143 | 3148 | rVB | 1388349 | 1625099 | 12.53% | 1.060% |
| 73 | 22.556 | 3220 | 3225 | 3227 | rBV | 1278045 | 1893289 | 14.60% | 1.235% |
| 74 | 22.586 | 3227 | 3230 | 3239 | rVB | 2895153 | 3867430 | 29.81% | 2.523% |
| 75 | 23.074 | 3308 | 3313 | 3328 | rVB | 1263227 | 1978556 | 15.25% | 1.291% |
| 76 | 23.644 | 3406 | 3410 | 3416 | rVB | 976533 | 1532643 | 11.82% | 1.000% |
| 77 | 24.315 | 3516 | 3524 | 3536 | rVB3 | 3654538 | 8433122 | 65.01% | 5.502% |
| 78 | 24.480 | 3545 | 3552 | 3562 | rVB | 2051321 | 4312948 | 33.25% | 2.814% |
| 79 | 25.050 | 3644 | 3649 | 3660 | rVB | 530165 | 1116068 | 8.60% | 0.728% |

Sum of corrected areas: 153280181

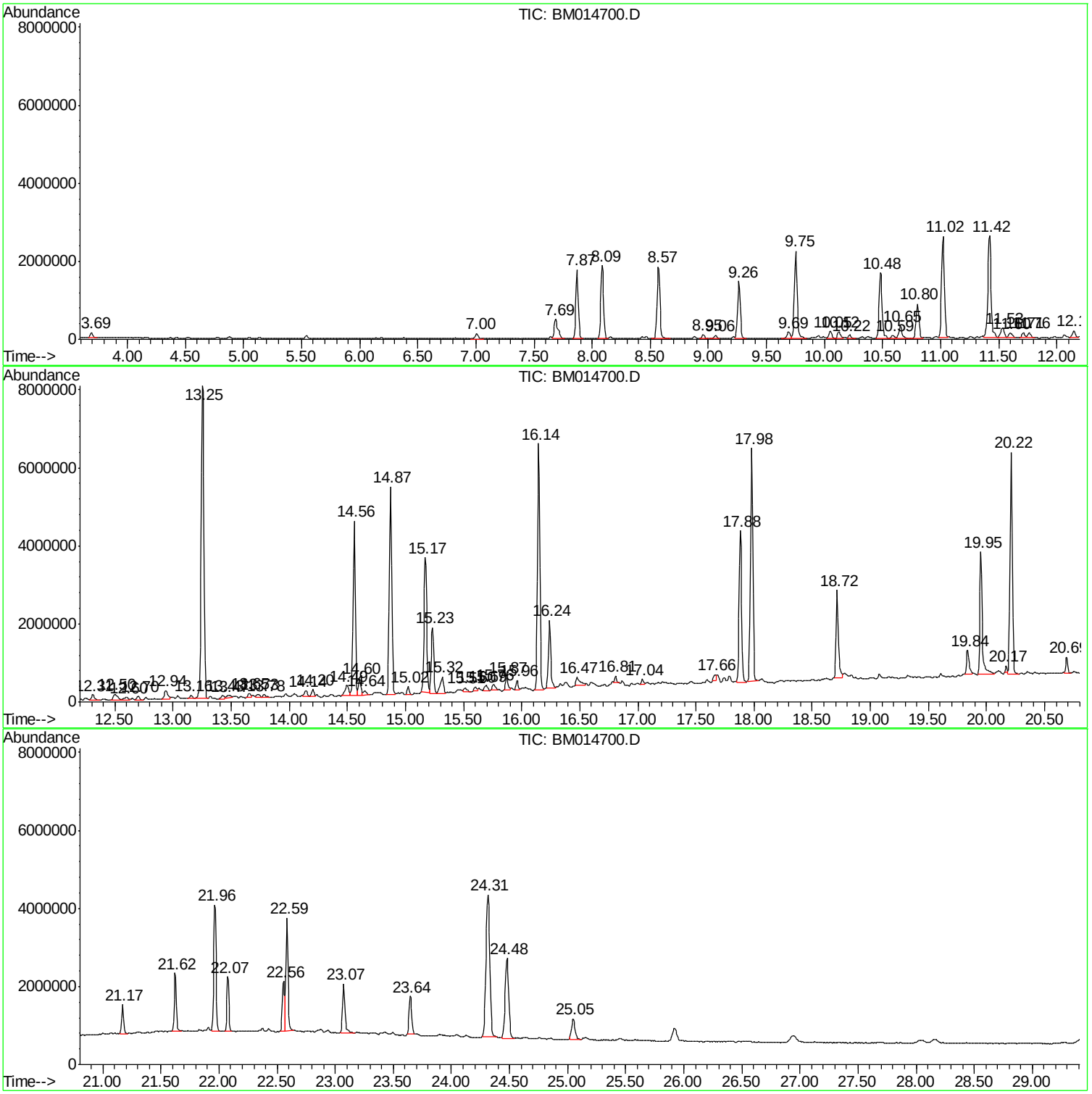
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

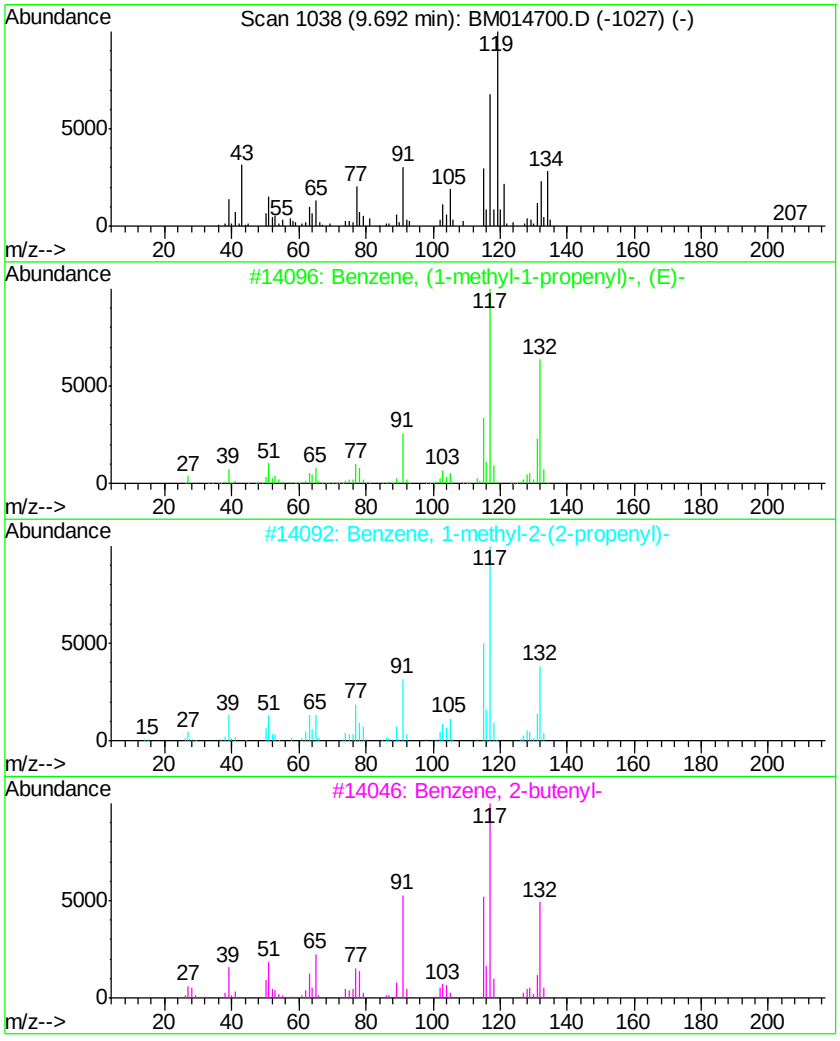
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

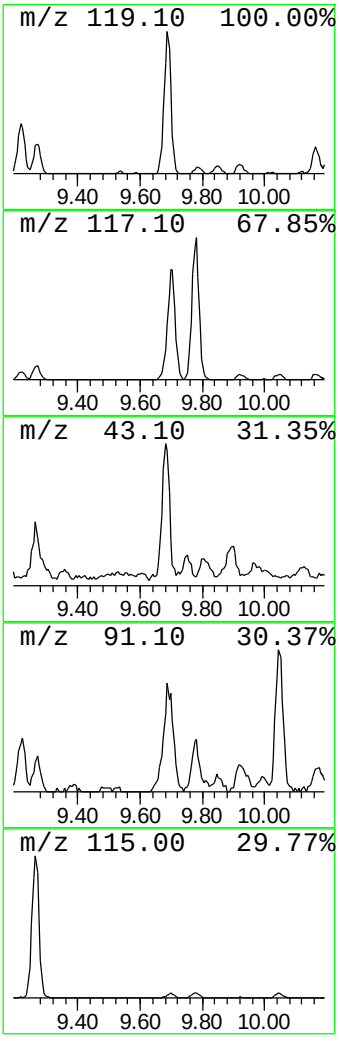
**********

Peak Number 1 Benzene, (1-methyl-1-propen... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.69 | 2.36 ng/ul | 378220 | 1,4-Dichlorobenzene-d4 | 8.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 89 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 86 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 86 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 64 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 64 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

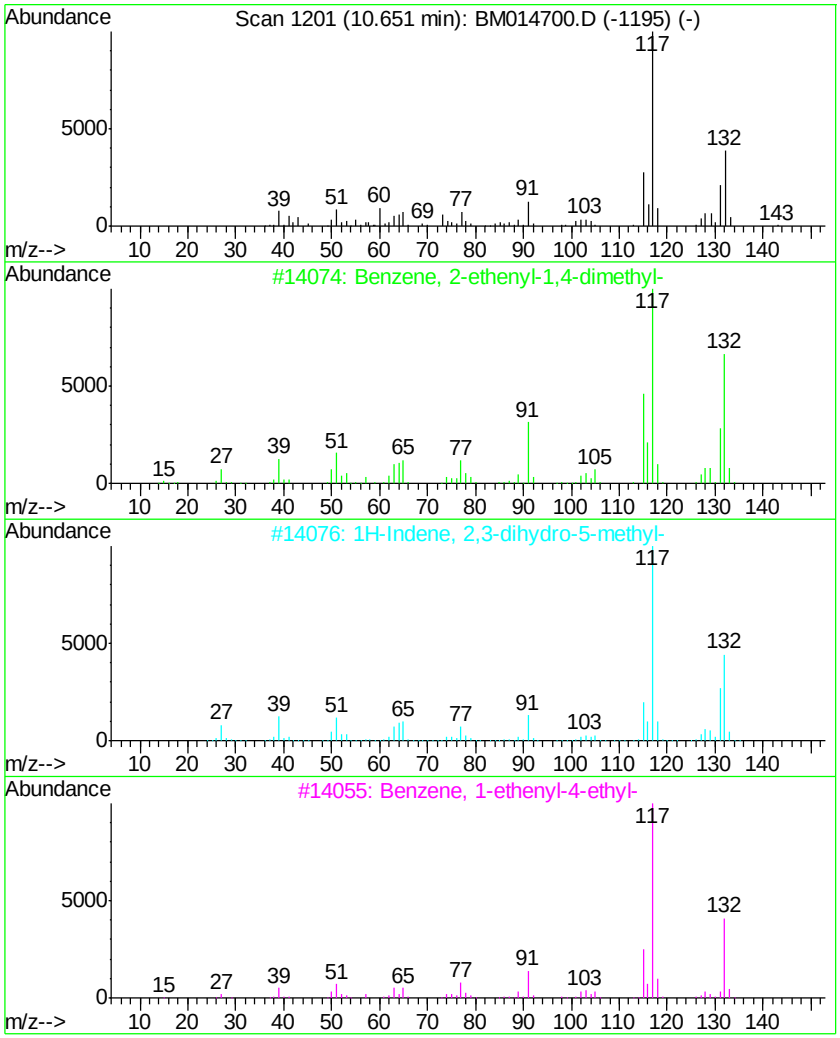
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

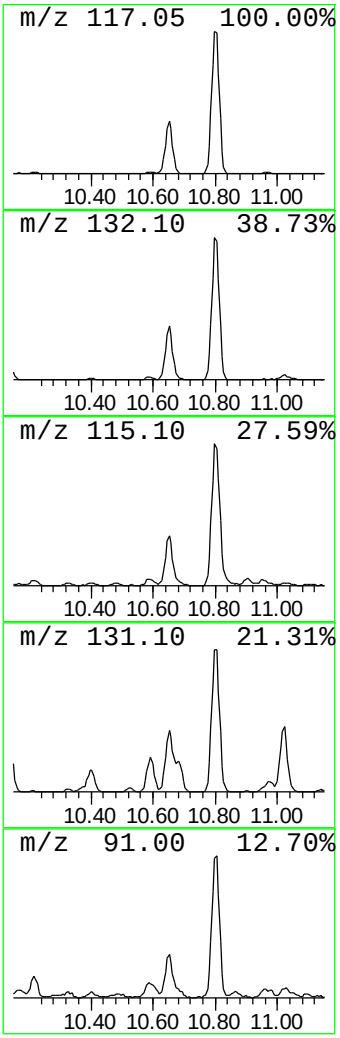
**********

Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 2.60 ng/ul | 646702 | Naphthalene-d8 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 95 |
| 3 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 94 |
| 5 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

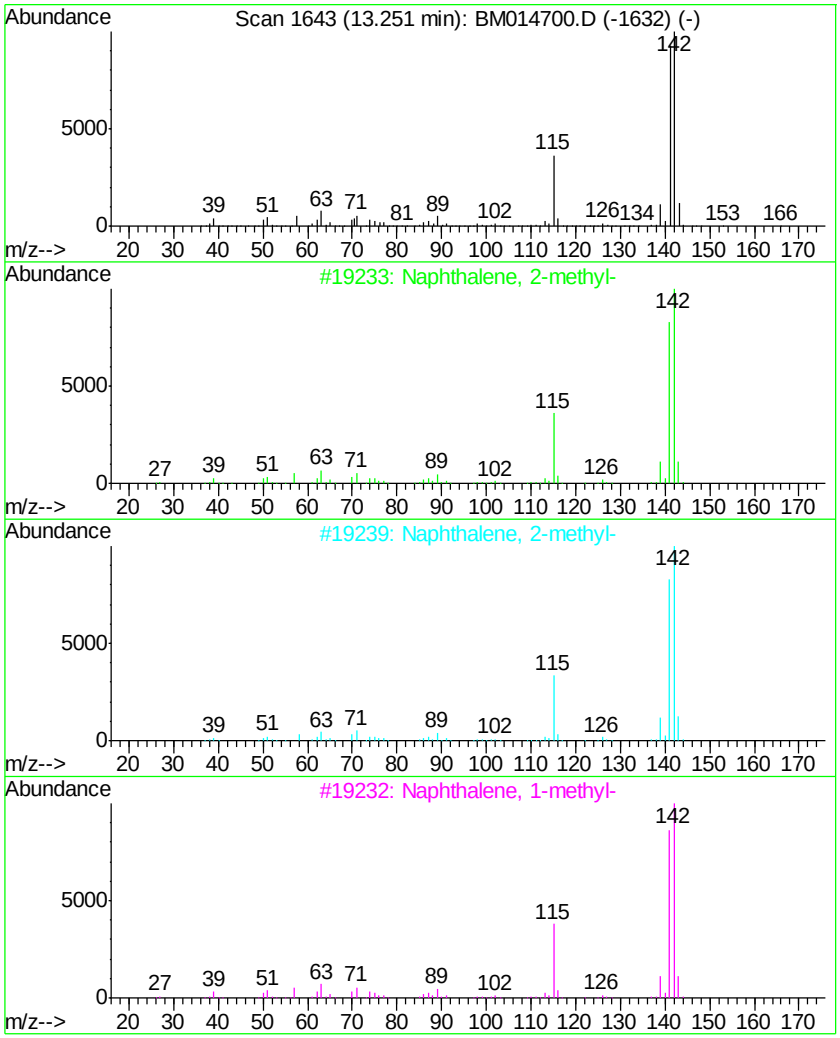
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

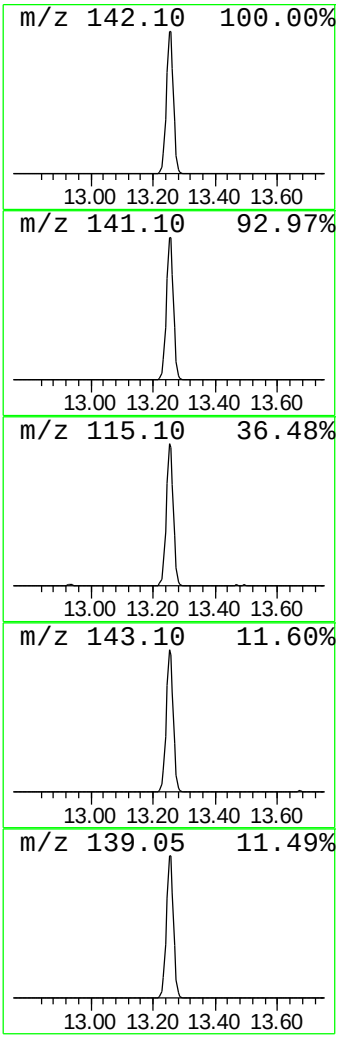
**********

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.25 | 52.24 ng/ul | 12971600 | Naphthalene-d8 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

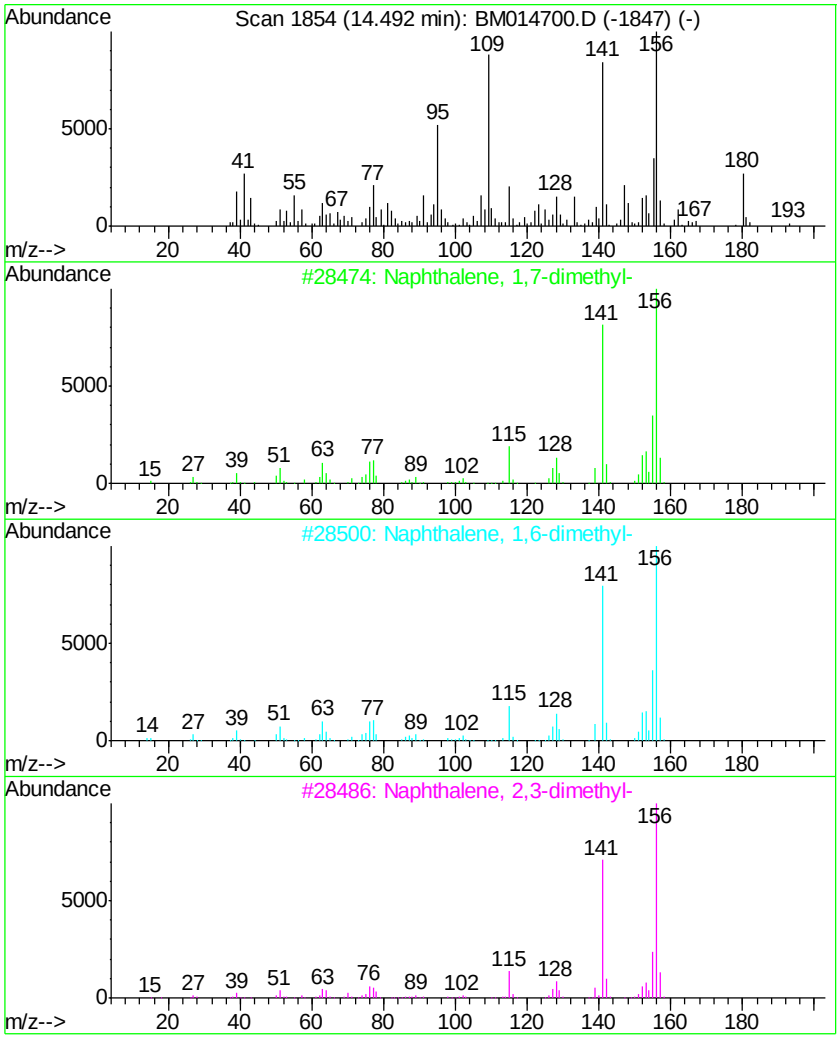
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

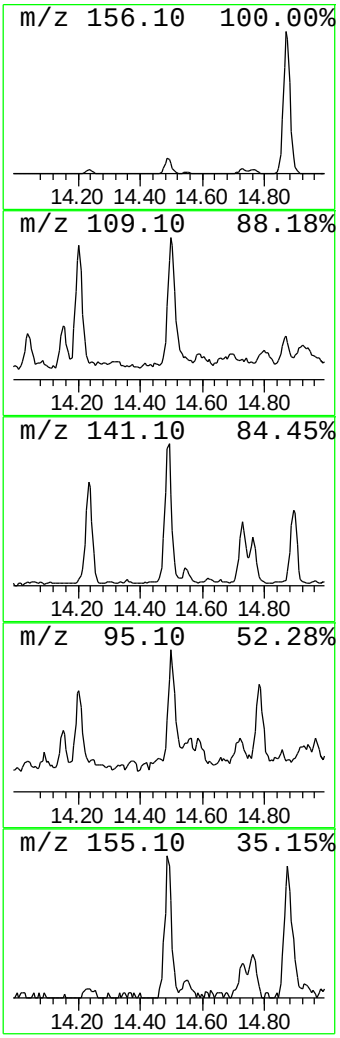
**********

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.49 | 2.28 ng/ul | 619824 | Acenaphthene-d10 | 15.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 4 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 91 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

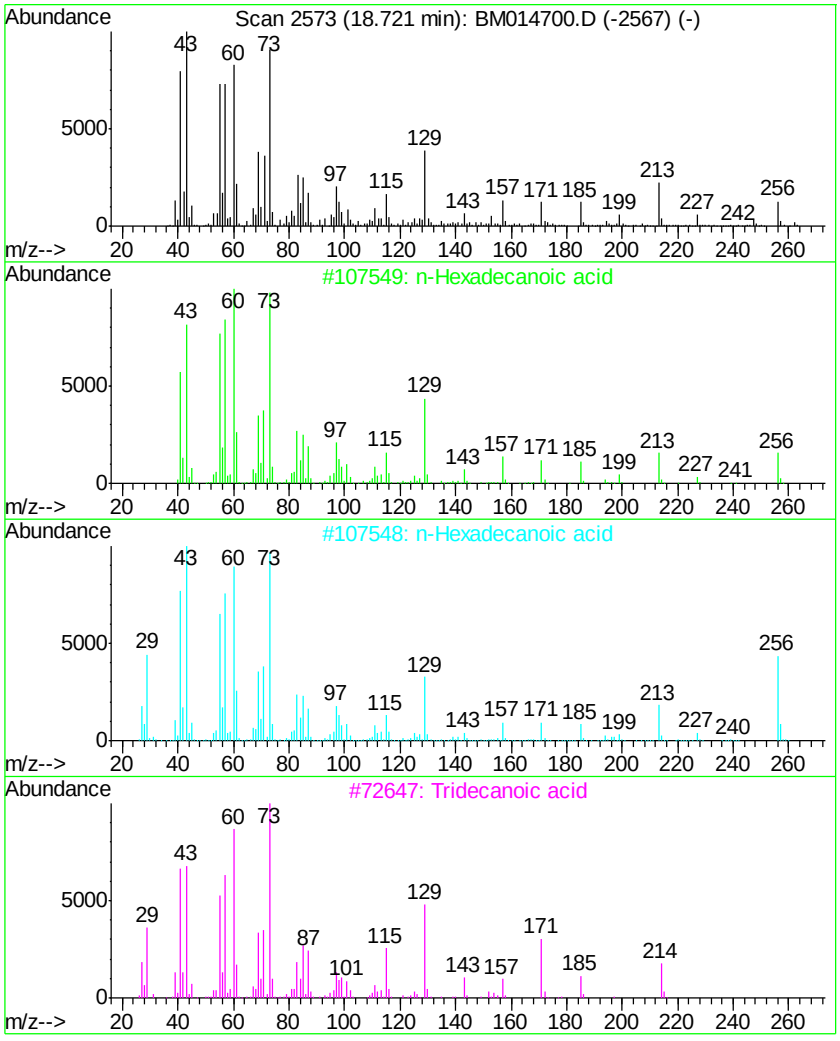
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

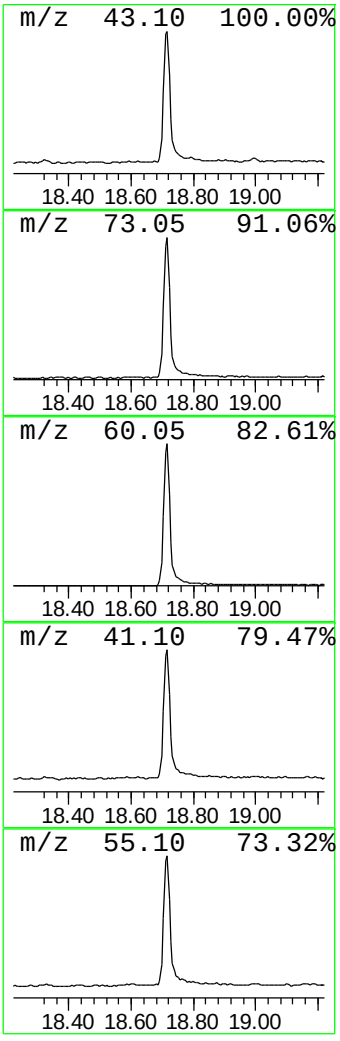
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.72 | 11.57 ng/ul | 3246960 | Phenanthrene-d10 | 17.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 80 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

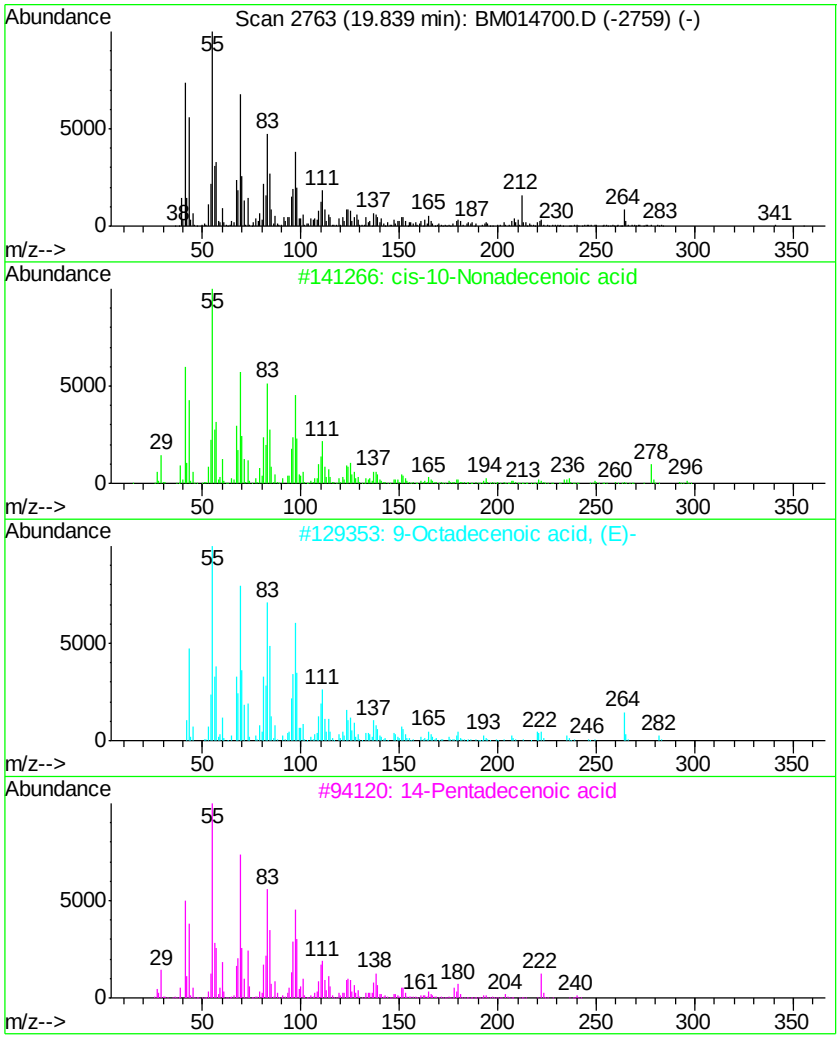
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

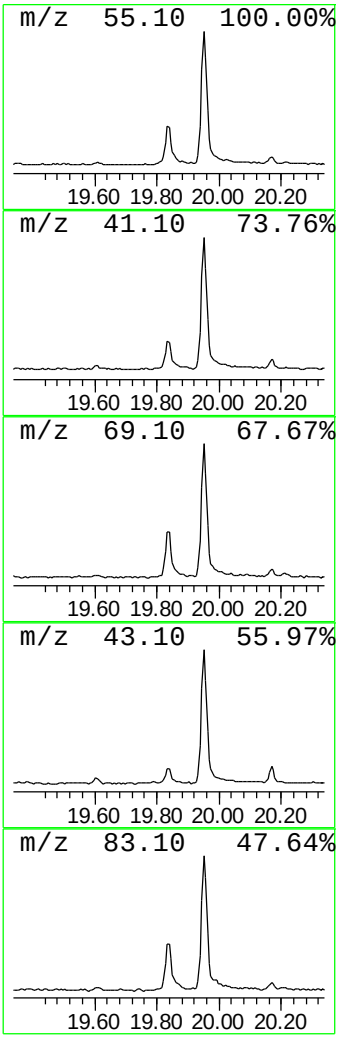
**********

Peak Number 7 cis-10-Nonadecenoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.84 | 3.20 ng/ul | 898508 | Phenanthrene-d10 | 17.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-10-Nonadecenoic acid | 296 | C19H36O2 | 073033-09-7 | 93 |
| 2 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 93 |
| 3 | 14-Pentadecenoic acid | 240 | C15H28O2 | 017351-34-7 | 91 |
| 4 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 90 |
| 5 | trans-13-Octadecenoic acid | 282 | C18H34O2 | 000693-71-0 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

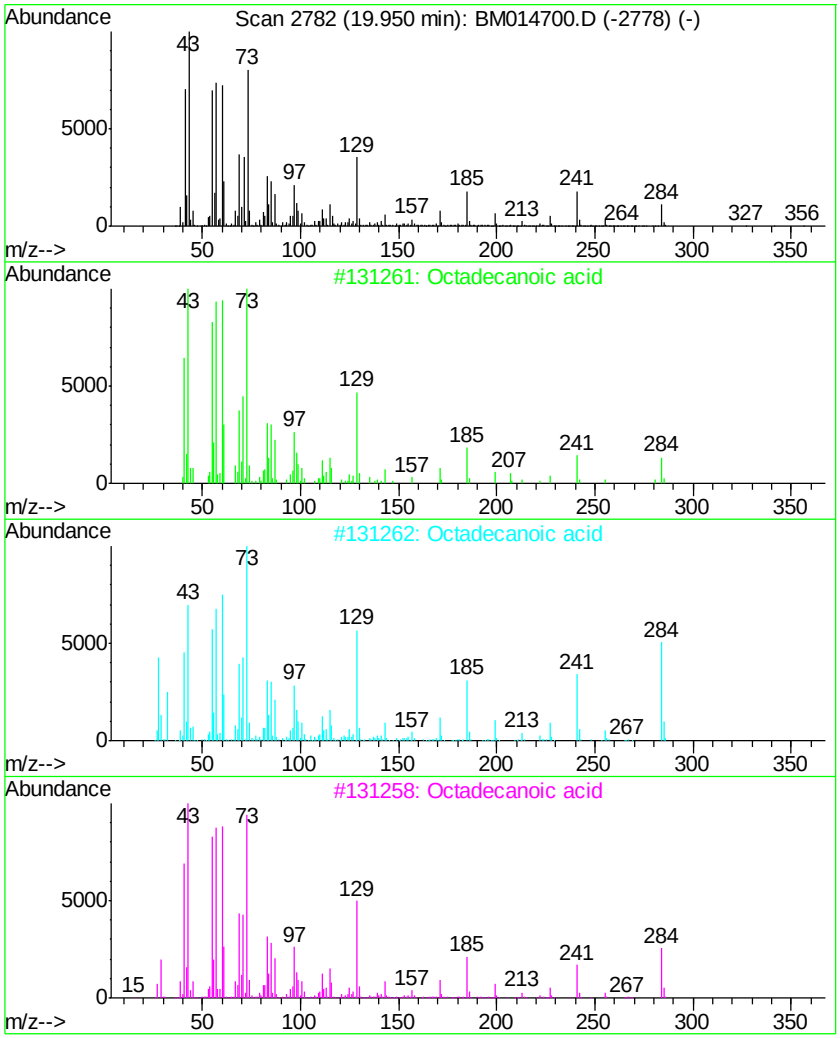
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

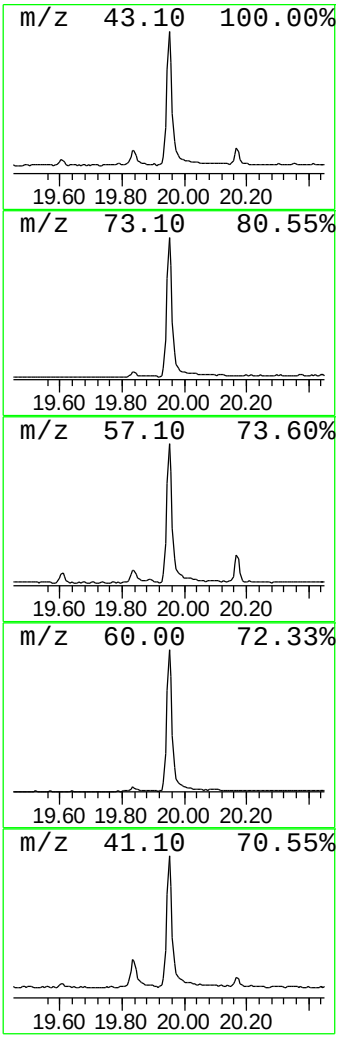
**********

Peak Number 8 Octadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.95 | 19.36 ng/ul | 4373020 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

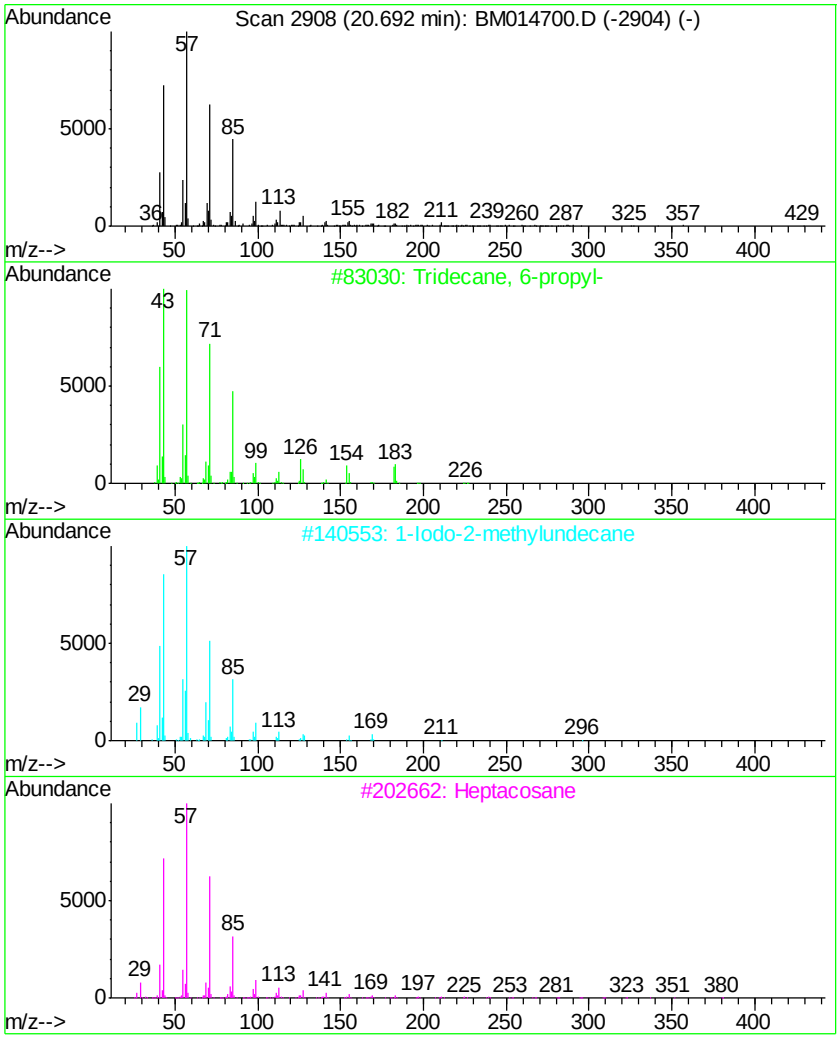
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

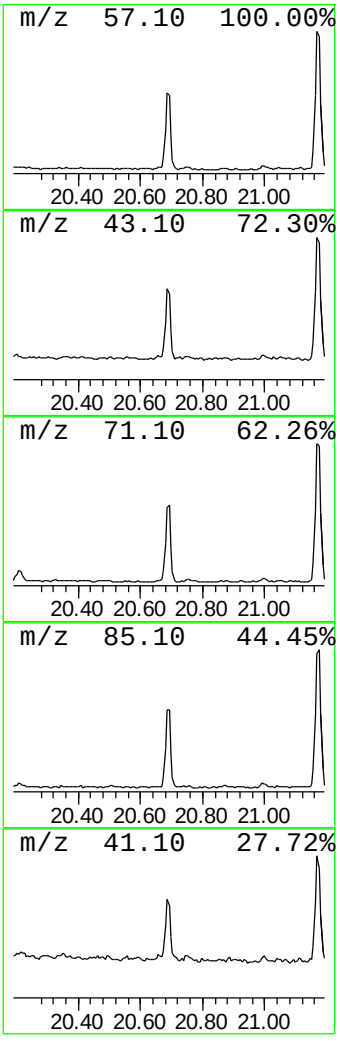
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.69 | 2.00 ng/ul | 452689 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 93 |
| 2 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

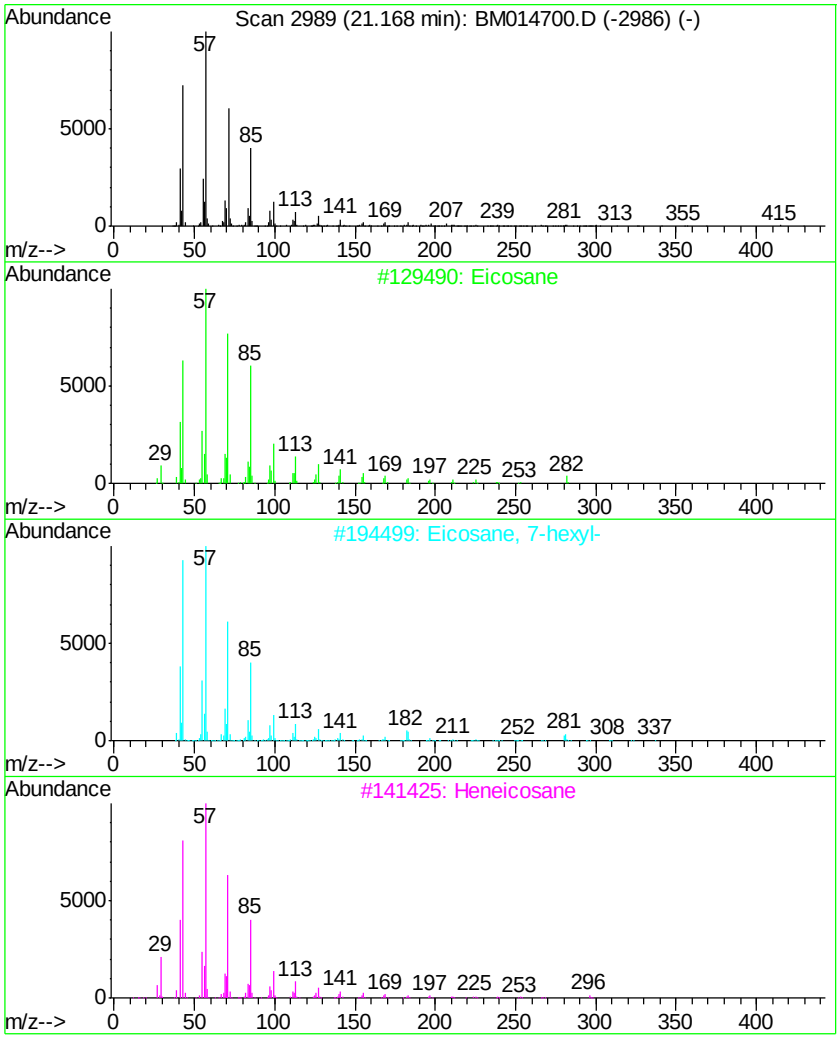
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

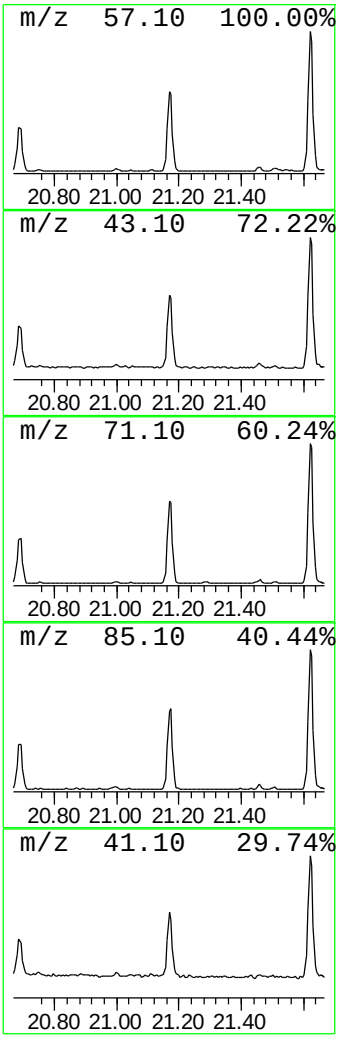
**********

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.17 | 3.84 ng/ul | 866389 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

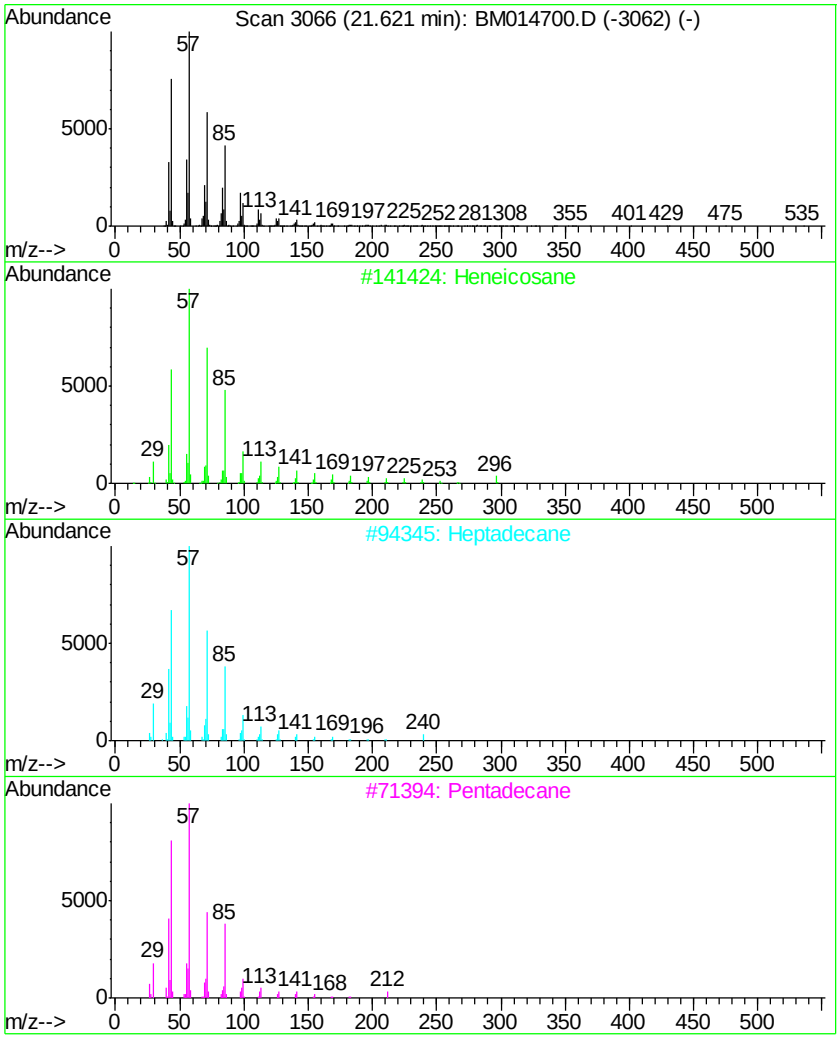
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

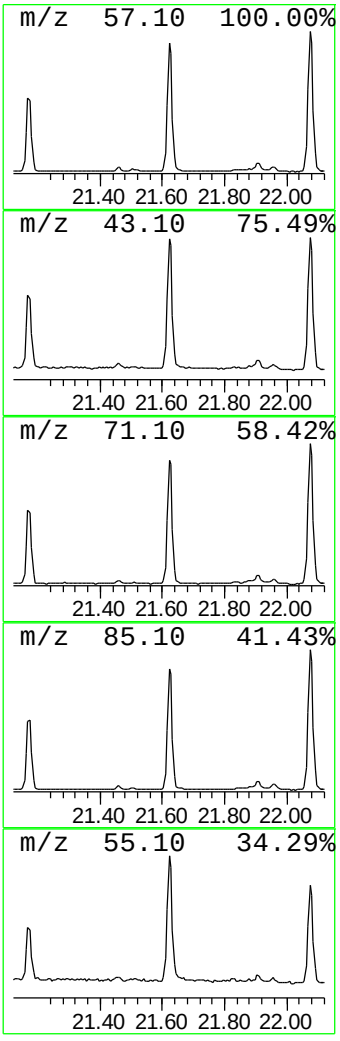
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.62 | 7.72 ng/ul | 1744300 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 94 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 4 | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 91 |
| 5 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 91 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

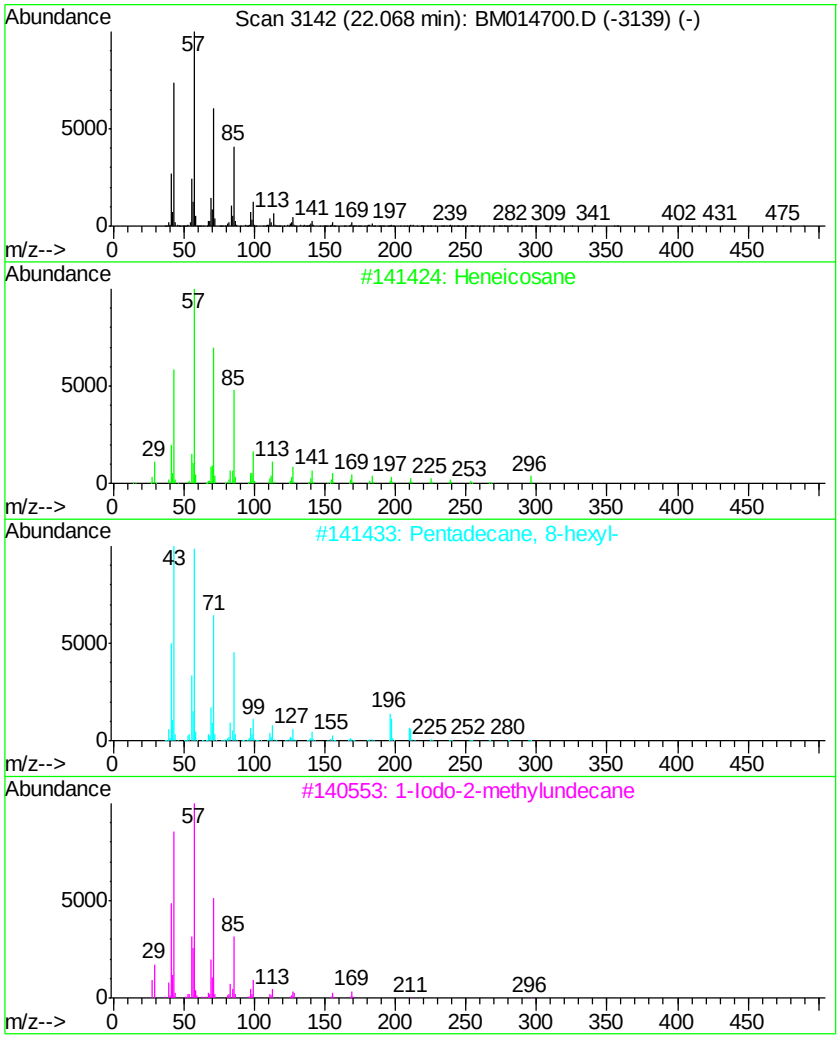
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

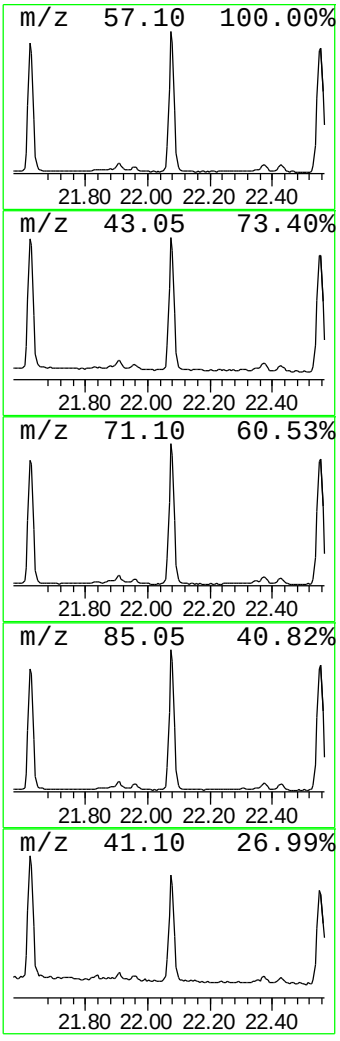
**********

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.07 | 7.19 ng/ul | 1625100 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 97 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 95 |
| 3 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

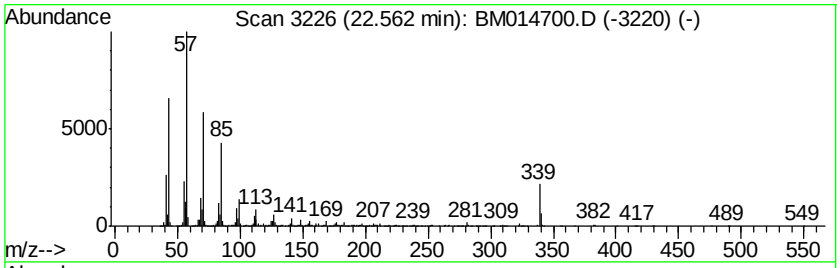
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

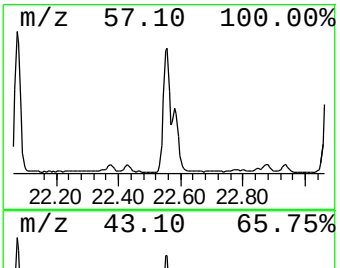
**********

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.56 | 8.38 ng/ul | 1893290 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

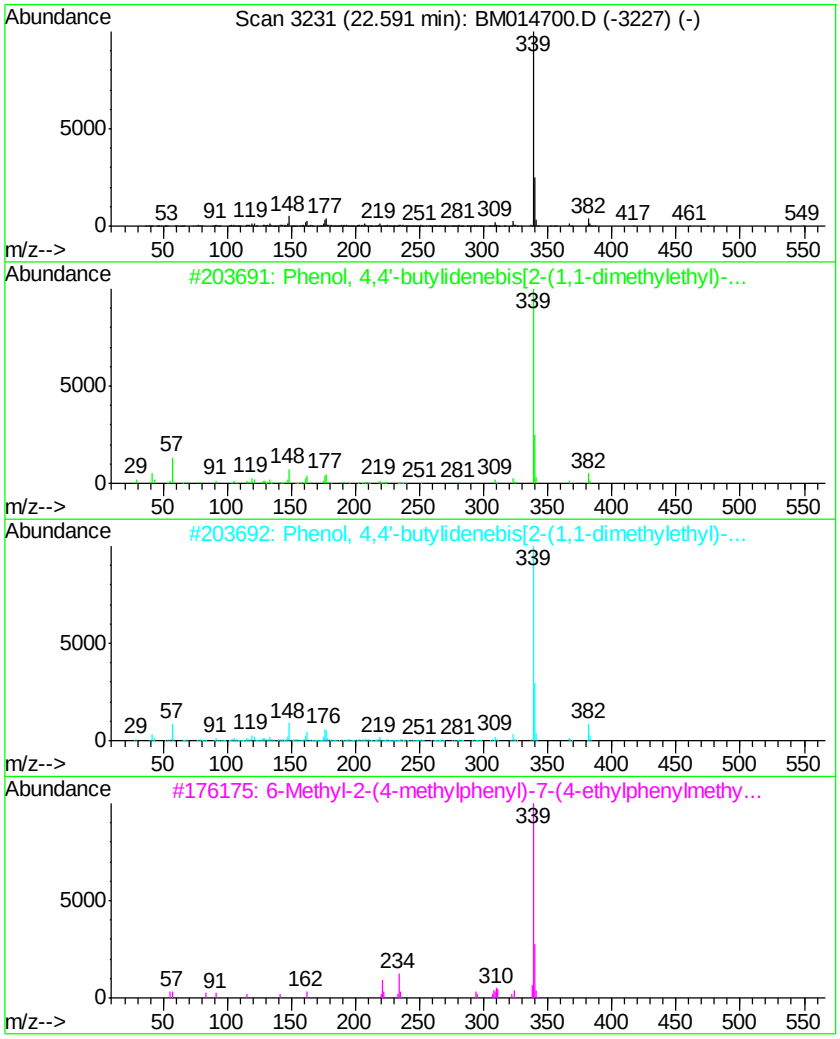
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

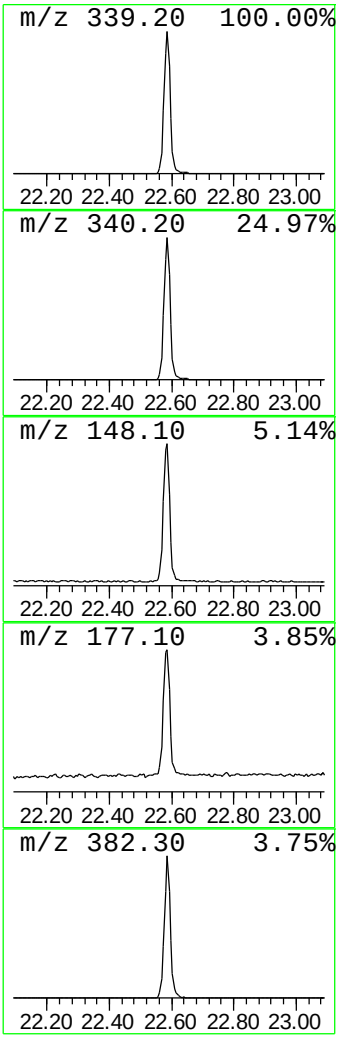
**********

Peak Number 14 Phenol, 4,4'-butylidenebis[... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.59 | 17.12 ng/ul | 3867430 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4,4'-butylidenebis[2-(1,... | 382 | C26H38O2 | 000085-60-9 | 98 |
| 2 | Phenol, 4,4'-butylidenebis[2-(1,... | 382 | C26H38O2 | 000085-60-9 | 90 |
| 3 | 6-Methyl-2-(4-methylphenyl)-7-(4... | 339 | C25H25N | 080193-45-9 | 64 |
| 4 | 2-(Pyridyl)-4,6-bis(4-aminopheny... | 339 | C21H17N5 | 1000078-62-7 | 64 |
| 5 | Phenol, 4,4'-butylidenebis[2-(1,... | 382 | C26H38O2 | 000085-60-9 | 55 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

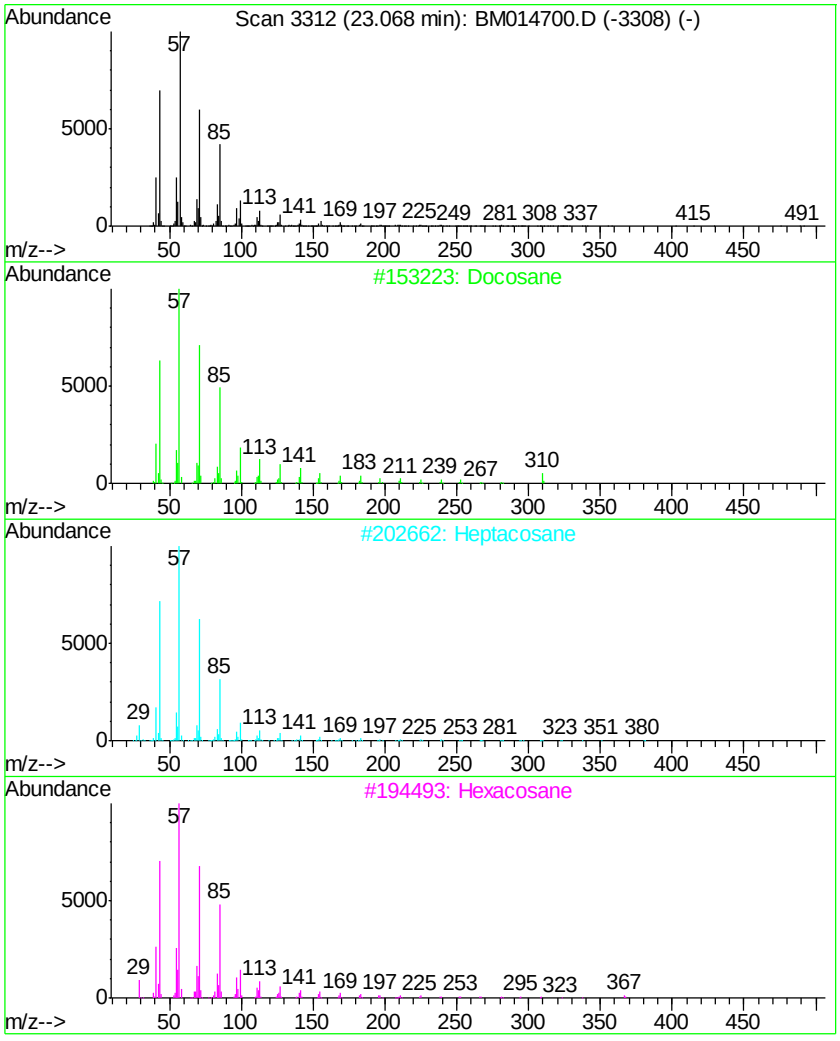
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

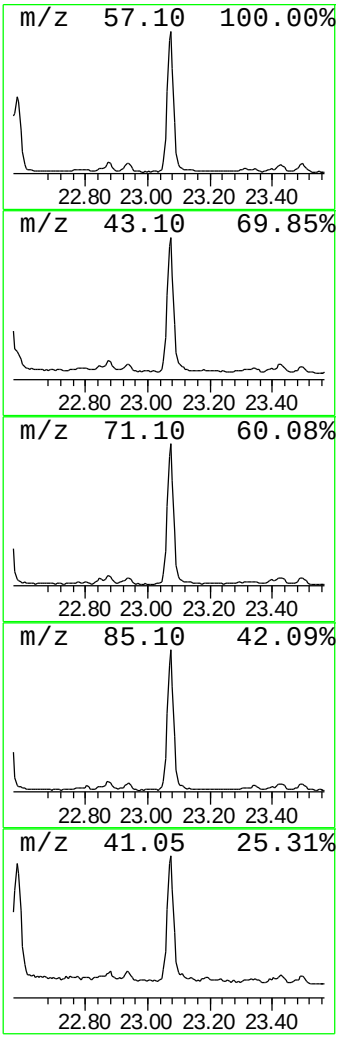
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.07 | 8.76 ng/ul | 1978560 | Chrysene-d12 | 21.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 97 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

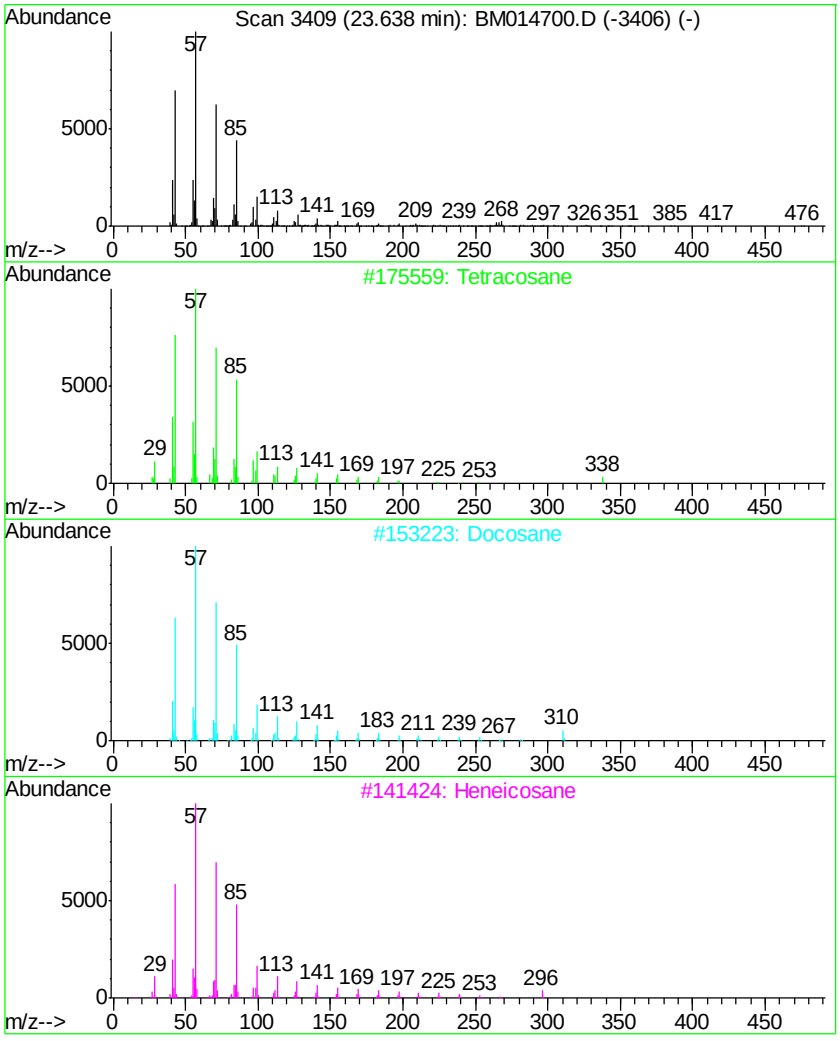
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

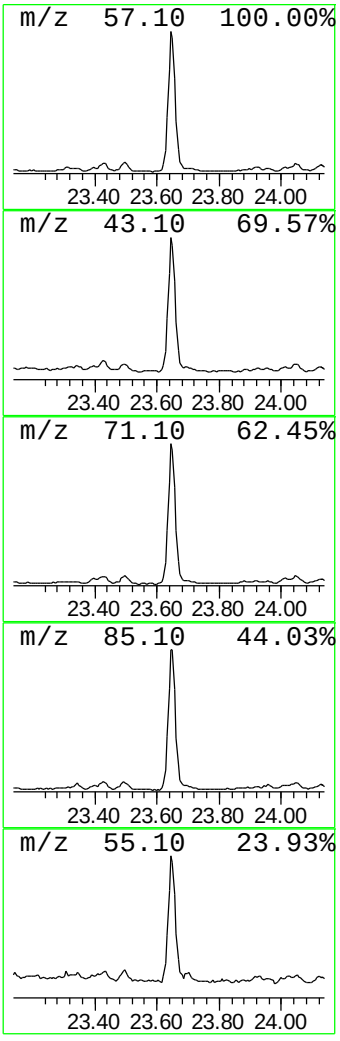
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.64 | 7.11 ng/ul | 1532640 | Perylene-d12 | 24.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 98 |
| 2 | Docosane | 310 | C22H46 | 000629-97-0 | 97 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.M
Quant Title : SVOA CALIBRATION

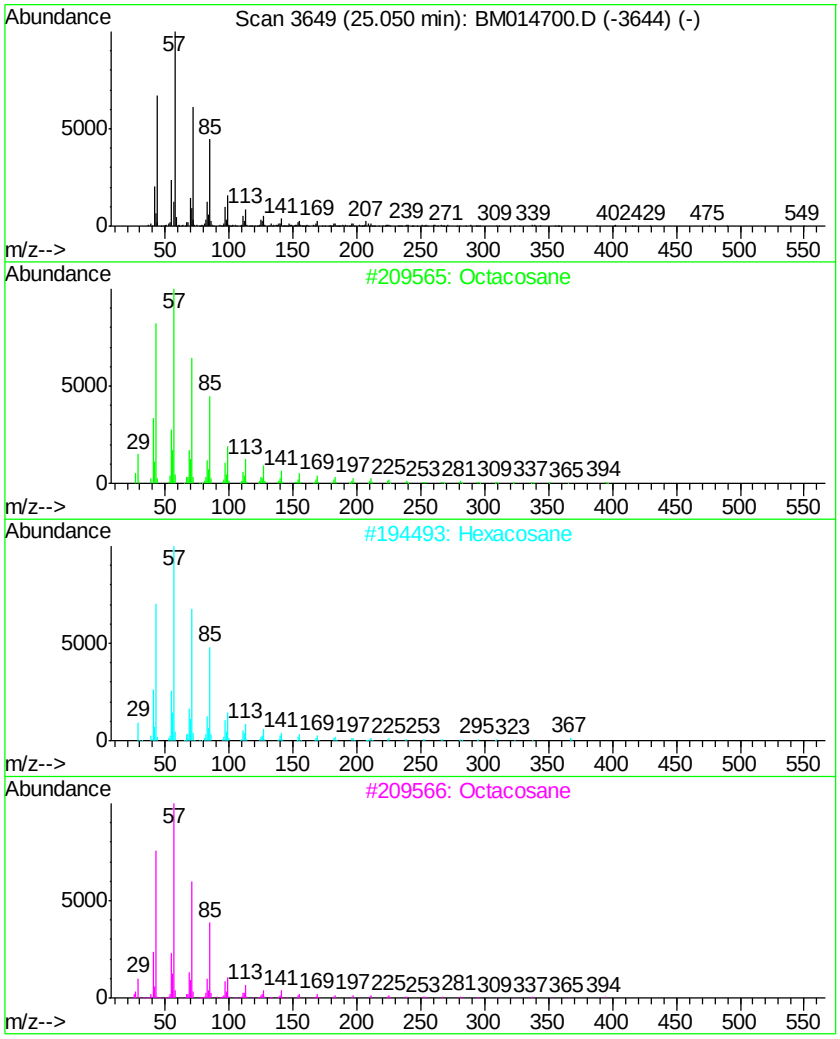
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

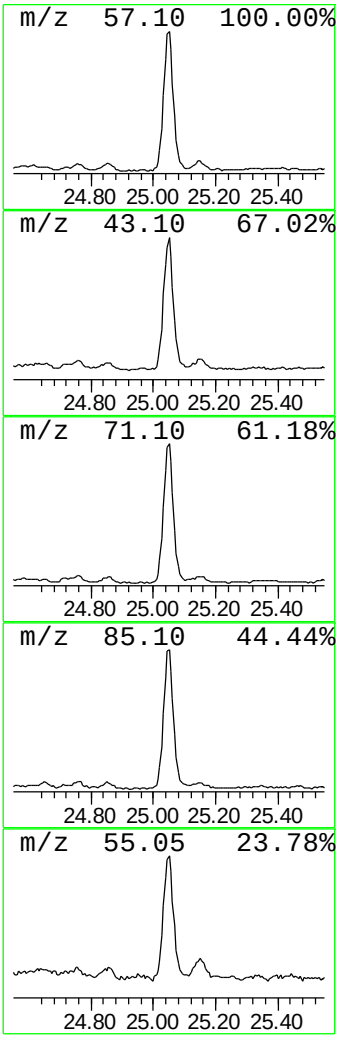
**********

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.05 | 5.18 ng/ul | 1116070 | Perylene-d12 | 24.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 90 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041318\
Data File : BM014700.D
Acq On : 13 Apr 2018 13:43
Operator : SJ/JU
Sample : J2313-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F1A39

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032818MA.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 |
| Benzene, (1-methy... | 9.69 | 2.4 | ng/ul | 378220 | 1 | 8.57 | 3198810 | 20.0 |
| Benzene, 2-etheny... | 10.65 | 2.6 | ng/ul | 646702 | 2 | 11.42 | 4966390 | 20.0 |
| Naphthalene, 1-me... | 13.25 | 52.2 | ng/ul | 12971600 | 2 | 11.42 | 4966390 | 20.0 |
| Naphthalene, 1,7-... | 14.49 | 2.3 | ng/ul | 619824 | 3 | 15.17 | 5429150 | 20.0 |
| n-Hexadecanoic acid | 18.72 | 11.6 | ng/ul | 3246960 | 4 | 17.88 | 5611000 | 20.0 |
| cis-10-Nonadeceno... | 19.84 | 3.2 | ng/ul | 898508 | 4 | 17.88 | 5611000 | 20.0 |
| Octadecanoic acid | 19.95 | 19.4 | ng/ul | 4373020 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 20.69 | 2.0 | ng/ul | 452689 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 21.17 | 3.8 | ng/ul | 866389 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 21.62 | 7.7 | ng/ul | 1744300 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 22.07 | 7.2 | ng/ul | 1625100 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 22.56 | 8.4 | ng/ul | 1893290 | 5 | 21.96 | 4517310 | 20.0 |
| Phenol, 4,4'-buty... | 22.59 | 17.1 | ng/ul | 3867430 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 23.07 | 8.8 | ng/ul | 1978560 | 5 | 21.96 | 4517310 | 20.0 |
| (DEL) Alkane: Str... | 23.64 | 7.1 | ng/ul | 1532640 | 6 | 24.48 | 4312950 | 20.0 |
| (DEL) Alkane: Str... | 25.05 | 5.2 | ng/ul | 1116070 | 6 | 24.48 | 4312950 | 20.0 |