LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

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-BG121218.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 | 4.217 | 182 | 192 | 213 | rBV | 6039912 | 11200679 | 50.77% | 11.925% |
| 2 | 5.544 | 411 | 418 | 426 | rBV | 2023436 | 3766327 | 17.07% | 4.010% |
| 3 | 5.627 | 426 | 432 | 435 | rVV | 392377 | 691972 | 3.14% | 0.737% |
| 4 | 5.703 | 435 | 445 | 458 | rVB | 8303712 | 22062580 | 100.00% | 23.490% |
| 5 | 6.061 | 496 | 506 | 513 | rVB | 3929243 | 7089112 | 32.13% | 7.548% |
| 6 | 7.119 | 679 | 686 | 692 | rBV | 3010028 | 4965936 | 22.51% | 5.287% |
| 7 | 7.213 | 692 | 702 | 707 | rVV2 | 415744 | 1072746 | 4.86% | 1.142% |
| 8 | 7.260 | 707 | 710 | 717 | rVB | 165607 | 267311 | 1.21% | 0.285% |
| 9 | 7.430 | 731 | 739 | 749 | rBV | 114022 | 252426 | 1.14% | 0.269% |
| 10 | 7.589 | 759 | 766 | 771 | rBV | 411370 | 727542 | 3.30% | 0.775% |
| 11 | 7.642 | 771 | 775 | 779 | rVV | 278014 | 420827 | 1.91% | 0.448% |
| 12 | 7.689 | 779 | 783 | 790 | rVB | 448054 | 766824 | 3.48% | 0.816% |
| 13 | 8.065 | 840 | 847 | 857 | rVB5 | 125776 | 349102 | 1.58% | 0.372% |
| 14 | 8.171 | 857 | 865 | 875 | rBV3 | 202544 | 503111 | 2.28% | 0.536% |
| 15 | 8.382 | 894 | 901 | 907 | rBV | 302484 | 551754 | 2.50% | 0.587% |
| 16 | 8.594 | 932 | 937 | 945 | rVB2 | 119603 | 265966 | 1.21% | 0.283% |
| 17 | 8.682 | 945 | 952 | 959 | rBV3 | 231737 | 435091 | 1.97% | 0.463% |
| 18 | 9.146 | 1026 | 1031 | 1039 | rVB3 | 145809 | 278611 | 1.26% | 0.297% |
| 19 | 9.246 | 1039 | 1048 | 1055 | rBV2 | 698295 | 1408337 | 6.38% | 1.499% |
| 20 | 9.557 | 1094 | 1101 | 1113 | rVB | 1712129 | 2764063 | 12.53% | 2.943% |
| 21 | 9.969 | 1153 | 1171 | 1177 | rBV6 | 84245 | 313020 | 1.42% | 0.333% |
| 22 | 10.251 | 1214 | 1219 | 1226 | rBV2 | 187543 | 346610 | 1.57% | 0.369% |
| 23 | 10.732 | 1291 | 1301 | 1306 | rBV | 227283 | 446609 | 2.02% | 0.475% |
| 24 | 10.803 | 1306 | 1313 | 1321 | rVV | 697236 | 1259510 | 5.71% | 1.341% |
| 25 | 10.873 | 1321 | 1325 | 1329 | rVV3 | 207993 | 408789 | 1.85% | 0.435% |
| 26 | 10.926 | 1329 | 1334 | 1339 | rVV | 448091 | 862821 | 3.91% | 0.919% |
| 27 | 10.985 | 1339 | 1344 | 1350 | rVB2 | 250357 | 451033 | 2.04% | 0.480% |
| 28 | 11.549 | 1432 | 1440 | 1445 | rBV6 | 122514 | 292877 | 1.33% | 0.312% |
| 29 | 11.743 | 1469 | 1473 | 1483 | rVB3 | 126124 | 295017 | 1.34% | 0.314% |
| 30 | 11.849 | 1484 | 1491 | 1495 | rBV | 302491 | 502399 | 2.28% | 0.535% |
| 31 | 12.049 | 1519 | 1525 | 1531 | rBV | 644810 | 1052886 | 4.77% | 1.121% |
| 32 | 12.248 | 1552 | 1559 | 1567 | rBV | 978516 | 1557538 | 7.06% | 1.658% |
| 33 | 12.524 | 1601 | 1606 | 1612 | rBV | 445889 | 754257 | 3.42% | 0.803% |
| 34 | 12.748 | 1635 | 1644 | 1651 | rVB | 234215 | 470816 | 2.13% | 0.501% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

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-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.871 | 1660 | 1665 | 1670 | rBV4 | 121329 | 237201 | 1.08% | 0.253% |
| 36 | 13.053 | 1689 | 1696 | 1702 | rVB3 | 226626 | 405184 | 1.84% | 0.431% |
| 37 | 13.188 | 1714 | 1719 | 1725 | rBV | 293224 | 442604 | 2.01% | 0.471% |
| 38 | 13.312 | 1735 | 1740 | 1749 | rVB | 624833 | 1047526 | 4.75% | 1.115% |
| 39 | 13.482 | 1762 | 1769 | 1775 | rBV2 | 1130085 | 1891566 | 8.57% | 2.014% |
| 40 | 13.723 | 1805 | 1810 | 1819 | rVB2 | 145814 | 365054 | 1.65% | 0.389% |
| 41 | 13.870 | 1827 | 1835 | 1841 | rVB4 | 292976 | 720403 | 3.27% | 0.767% |
| 42 | 14.017 | 1853 | 1860 | 1865 | rBV2 | 444412 | 1074721 | 4.87% | 1.144% |
| 43 | 14.064 | 1865 | 1868 | 1872 | rVV | 236675 | 409631 | 1.86% | 0.436% |
| 44 | 14.134 | 1876 | 1880 | 1884 | rVV2 | 355069 | 553782 | 2.51% | 0.590% |
| 45 | 14.175 | 1884 | 1887 | 1894 | rVB3 | 133942 | 233836 | 1.06% | 0.249% |
| 46 | 14.252 | 1895 | 1900 | 1904 | rBV | 234735 | 355649 | 1.61% | 0.379% |
| 47 | 14.416 | 1923 | 1928 | 1934 | rBV3 | 148191 | 255421 | 1.16% | 0.272% |
| 48 | 14.551 | 1946 | 1951 | 1959 | rVB | 1079514 | 1443302 | 6.54% | 1.537% |
| 49 | 14.698 | 1972 | 1976 | 1981 | rVB3 | 146843 | 278998 | 1.26% | 0.297% |
| 50 | 14.892 | 2004 | 2009 | 2018 | rVB3 | 186947 | 418055 | 1.89% | 0.445% |
| 51 | 15.080 | 2037 | 2041 | 2048 | rVB3 | 236796 | 466637 | 2.12% | 0.497% |
| 52 | 15.163 | 2049 | 2055 | 2063 | rBV2 | 360573 | 655326 | 2.97% | 0.698% |
| 53 | 15.304 | 2073 | 2079 | 2084 | rBV | 189936 | 378172 | 1.71% | 0.403% |
| 54 | 15.497 | 2101 | 2112 | 2117 | rBV | 1025871 | 1750159 | 7.93% | 1.863% |
| 55 | 15.897 | 2172 | 2180 | 2184 | rBV2 | 361349 | 717913 | 3.25% | 0.764% |
| 56 | 16.050 | 2203 | 2206 | 2214 | rVB5 | 175978 | 258517 | 1.17% | 0.275% |
| 57 | 16.185 | 2224 | 2229 | 2235 | rBV3 | 548368 | 899689 | 4.08% | 0.958% |
| 58 | 16.361 | 2254 | 2259 | 2276 | rVB | 986673 | 2300227 | 10.43% | 2.449% |
| 59 | 17.154 | 2389 | 2394 | 2398 | rBV | 674980 | 887295 | 4.02% | 0.945% |
| 60 | 17.201 | 2398 | 2402 | 2407 | rVB2 | 367183 | 536267 | 2.43% | 0.571% |
| 61 | 17.442 | 2438 | 2443 | 2447 | rBV | 240401 | 411507 | 1.87% | 0.438% |
| 62 | 17.483 | 2447 | 2450 | 2455 | rVB | 235933 | 336898 | 1.53% | 0.359% |
| 63 | 17.577 | 2461 | 2466 | 2470 | rBV | 357516 | 482636 | 2.19% | 0.514% |
| 64 | 17.889 | 2515 | 2519 | 2529 | rVB | 612087 | 857778 | 3.89% | 0.913% |
| 65 | 18.582 | 2633 | 2637 | 2642 | rVB | 426042 | 490740 | 2.22% | 0.522% |
| 66 | 19.211 | 2740 | 2744 | 2751 | rBV2 | 352275 | 516828 | 2.34% | 0.550% |
| 67 | 19.781 | 2838 | 2841 | 2846 | rVB2 | 183842 | 227682 | 1.03% | 0.242% |
| 68 | 20.045 | 2881 | 2886 | 2890 | rVB | 1112971 | 1441183 | 6.53% | 1.534% |
| 69 | 20.315 | 2928 | 2932 | 2937 | rBV2 | 223644 | 321090 | 1.46% | 0.342% |
| 70 | 21.725 | 3167 | 3172 | 3180 | rVB | 317622 | 607557 | 2.75% | 0.647% |
| 71 | 25.027 | 3728 | 3734 | 3744 | rVB2 | 138516 | 393614 | 1.78% | 0.419% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

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-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 93925147

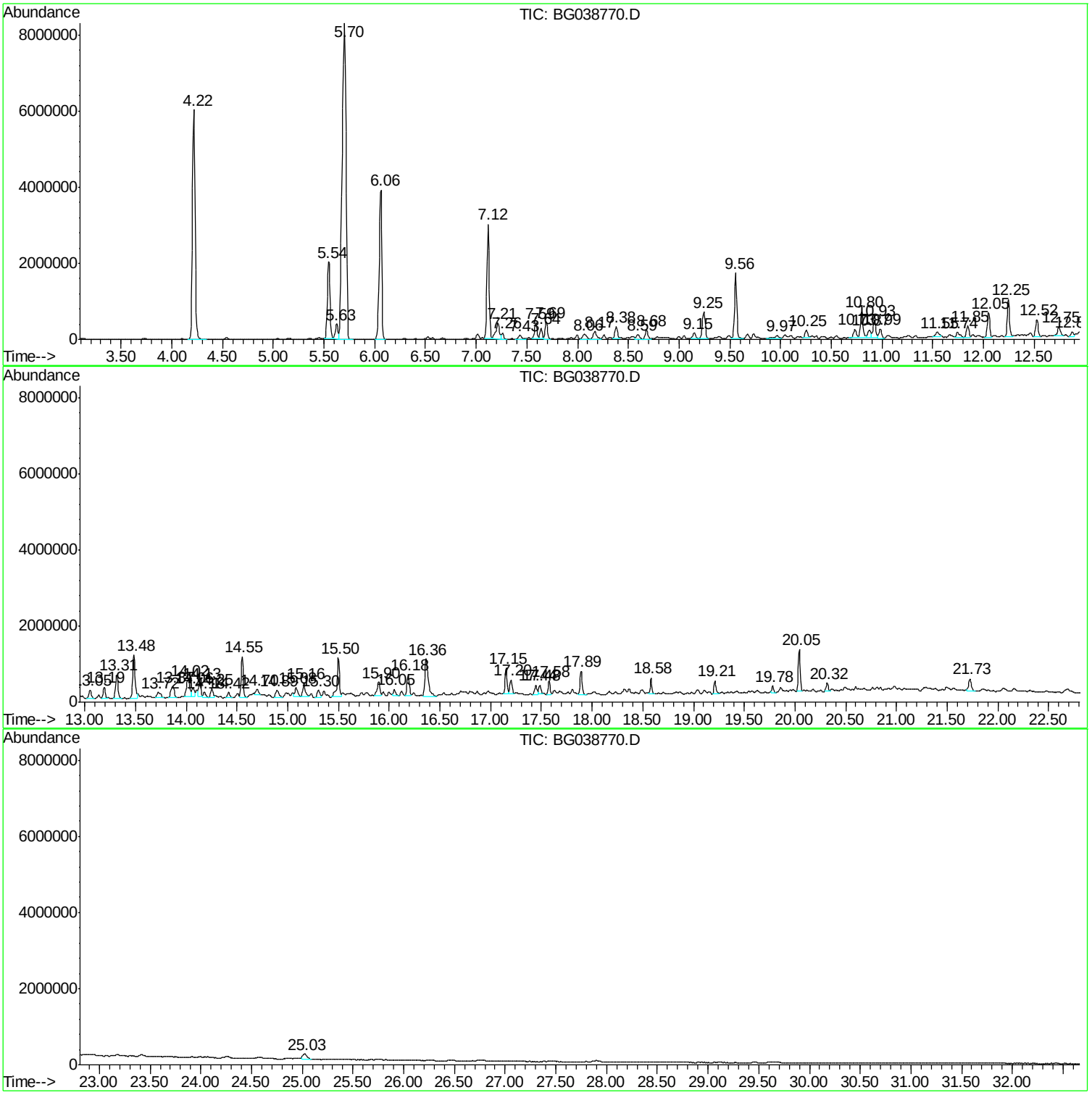
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.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 G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

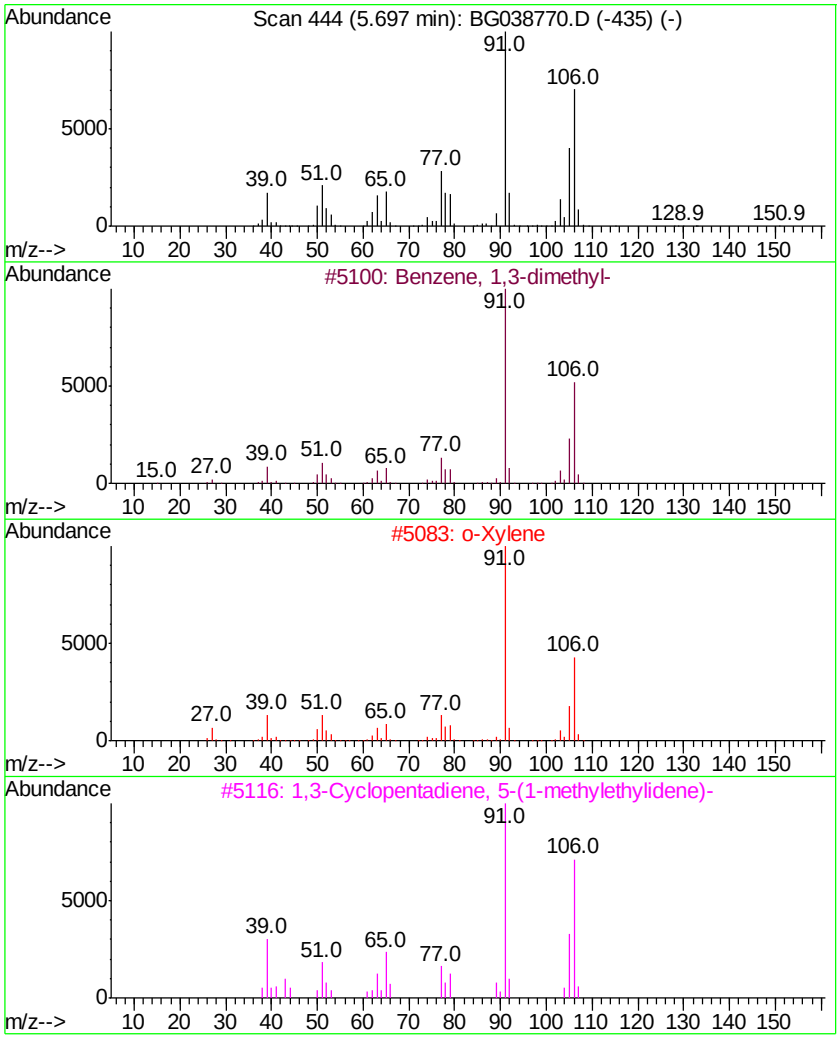
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

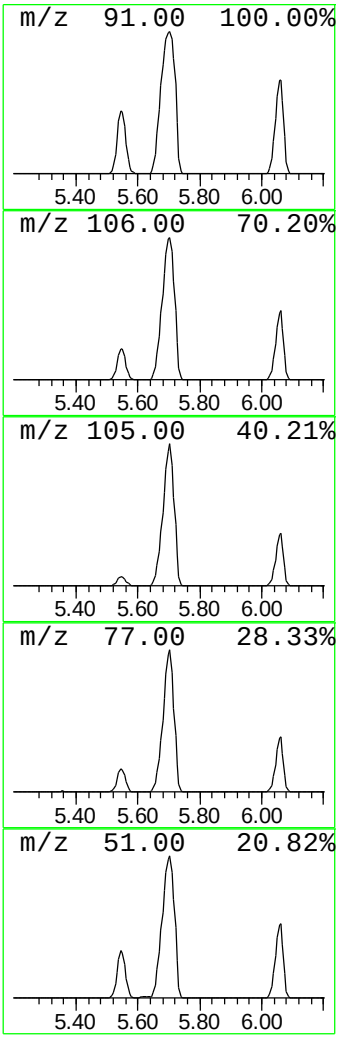
**********

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.70 | 1263.96 ng | 22062600 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 91 |
| 2 | o-Xylene | 106 | C8H10 | 000095-47-6 | 90 |
| 3 | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10 | 002175-91-9 | 83 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 81 |
| 5 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

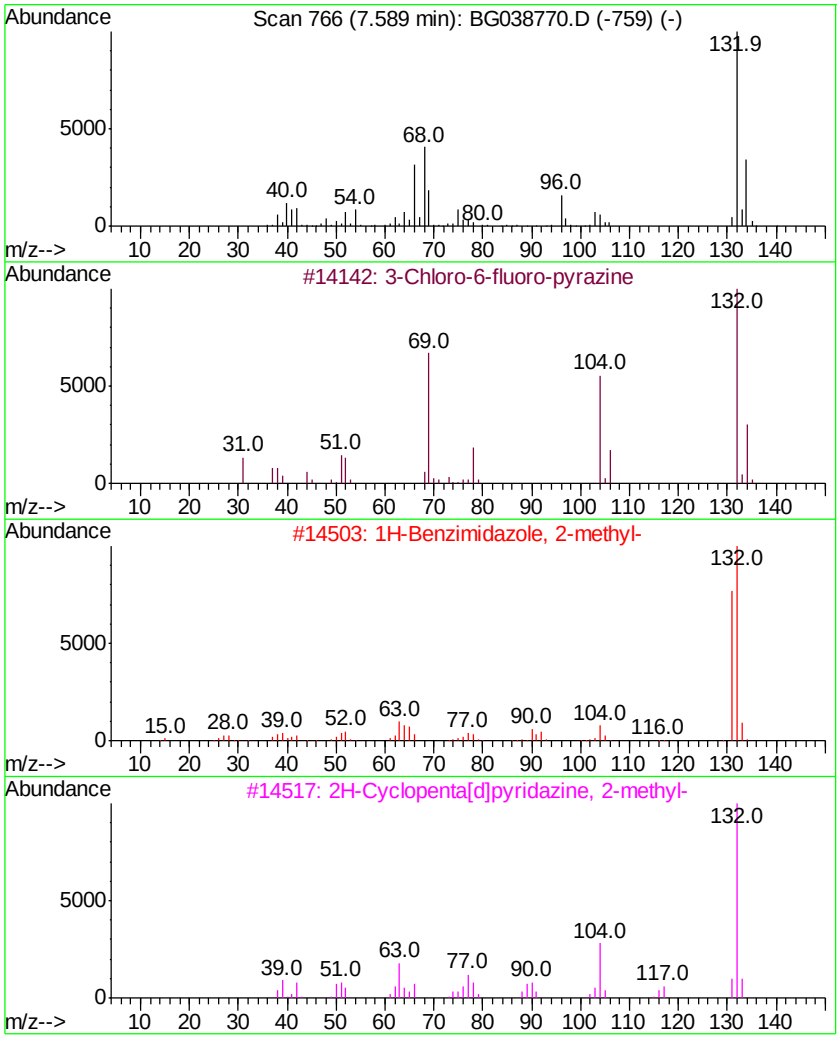
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

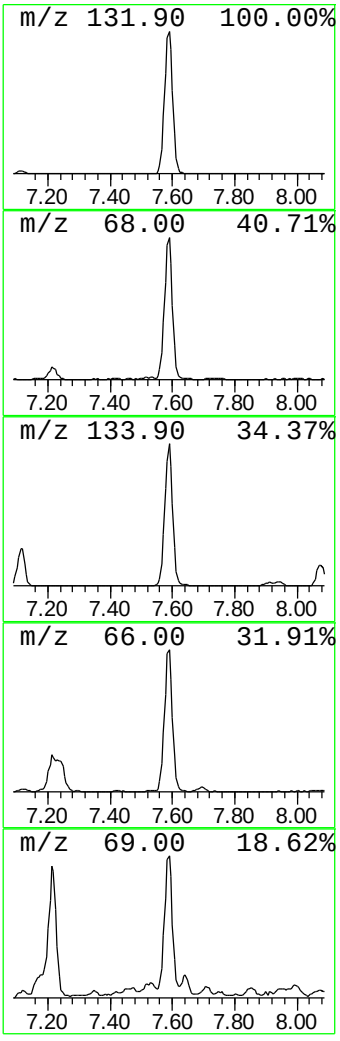
**********

Peak Number 6 unknown7.59 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.59 | 41.68 ng | 727542 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 25 |
| 3 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 22 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

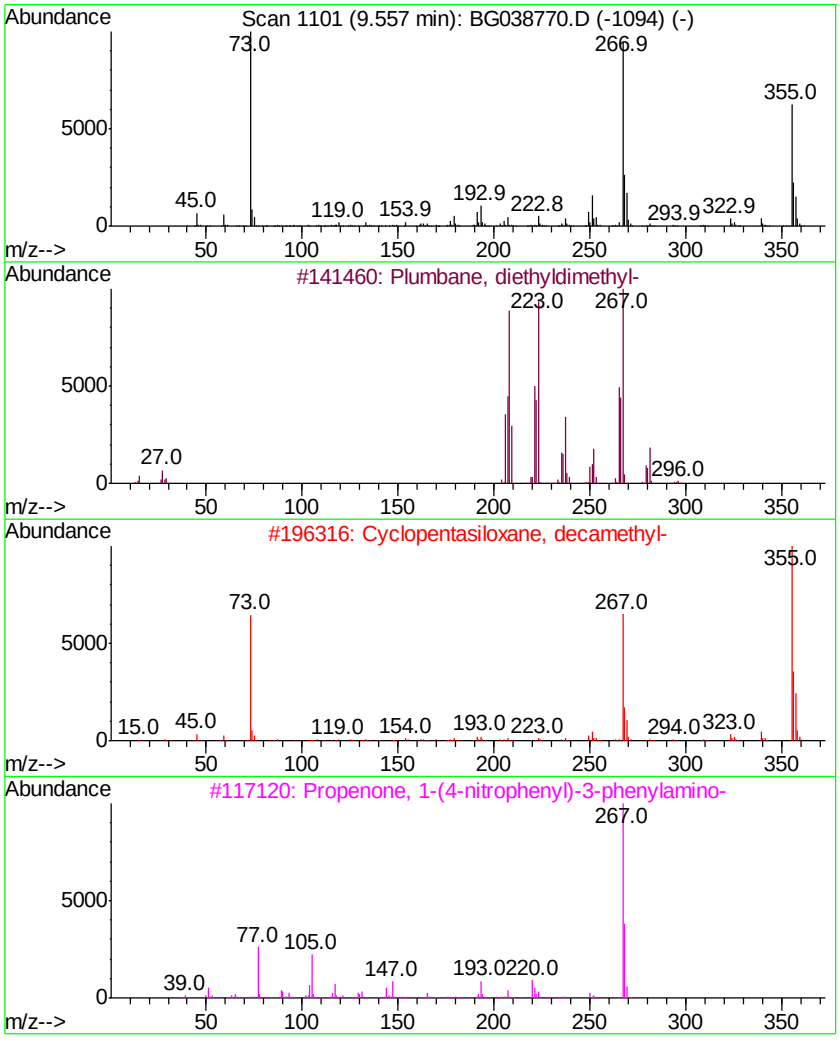
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

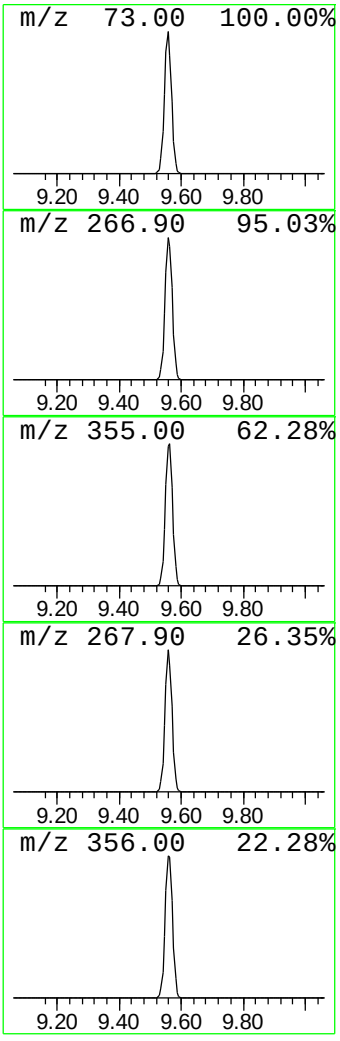
**********

Peak Number 8 Plumbane, diethyldimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.56 | 135.23 ng | 2764060 | Naphthalene-d8 | 10.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Plumbane, diethyldimethyl- | 296 | C6H16Pb | 001762-27-2 | 94 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 3 | Propenone, 1-(4-nitrophenyl)-3-p... | 268 | C15H12N2O3 | 1000302-96-9 | 38 |
| 4 | Benzaldehyde, 2,4-bis(trimethyls... | 282 | C13H22O3Si2 | 033617-38-8 | 37 |
| 5 | Silane, [(fluoromethylphenylsily... | 370 | C17H35FSi4 | 072190-81-9 | 35 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

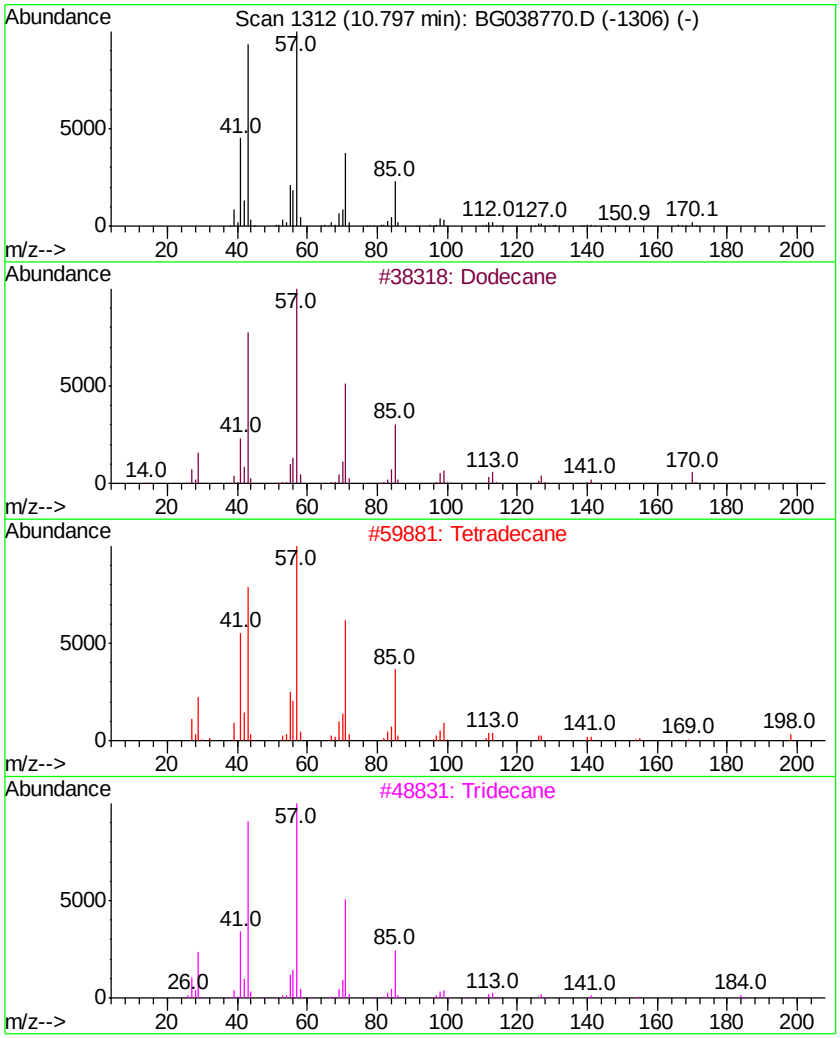
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

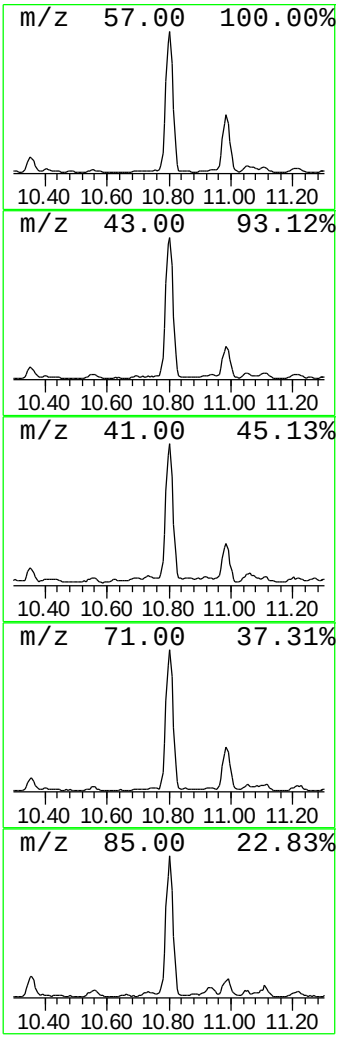
**********

Peak Number 9 Dodecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.80 | 61.62 ng | 1259510 | Naphthalene-d8 | 10.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Undecane | 156 | C11H24 | 001120-21-4 | 83 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

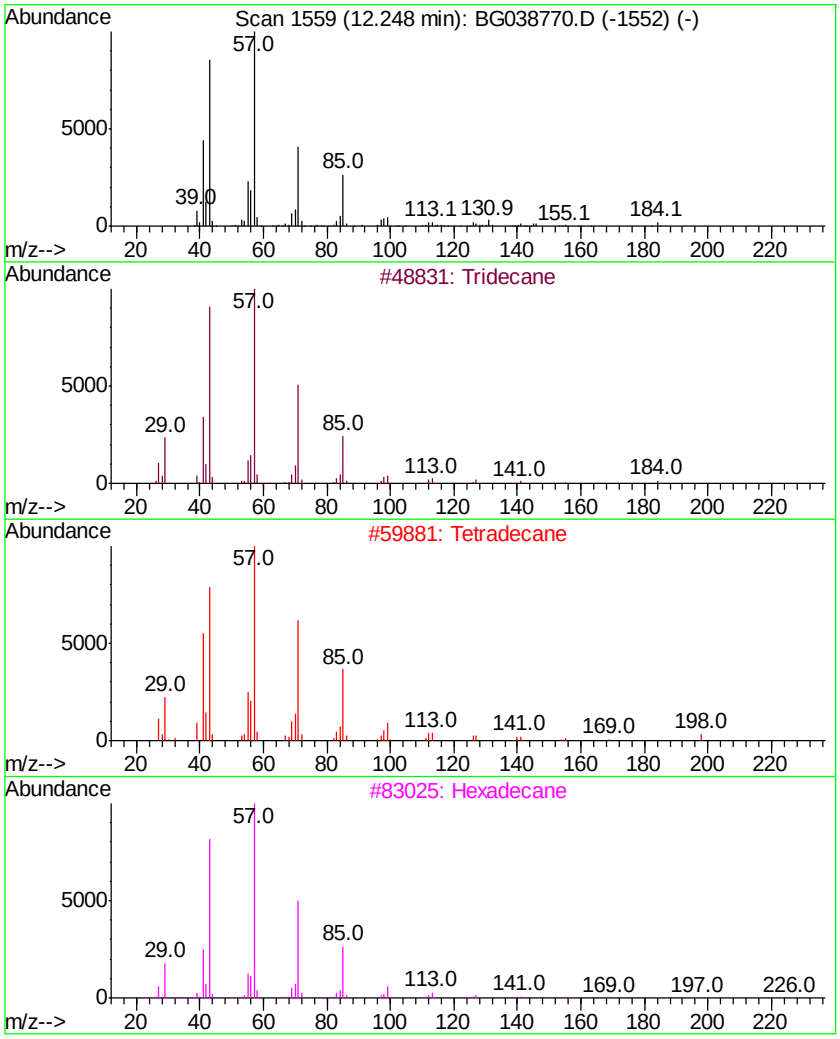
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

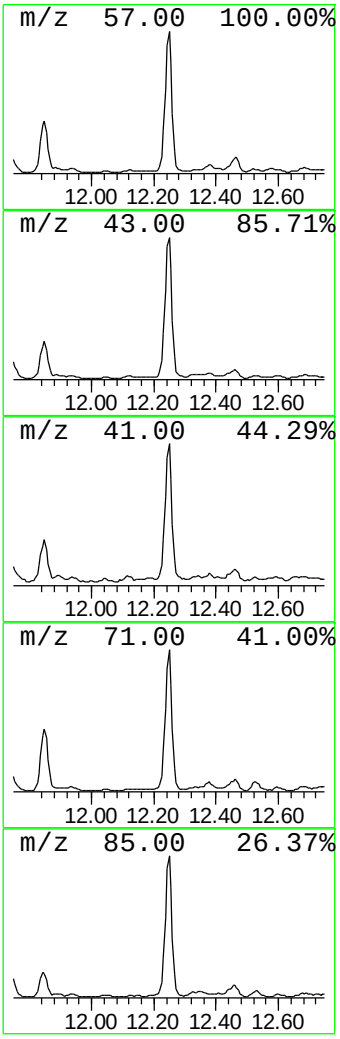
**********

Peak Number 11 Tridecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.25 | 76.20 ng | 1557540 | Naphthalene-d8 | 10.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 95 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 83 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

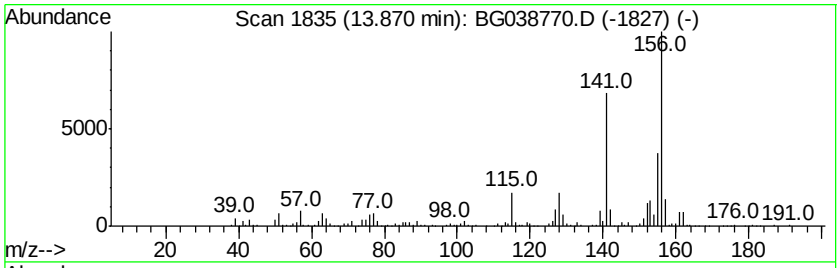
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

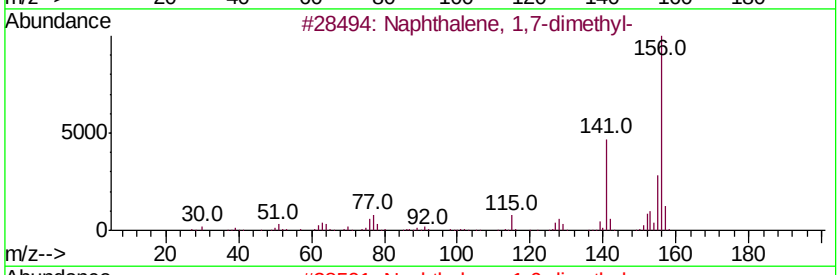
**********

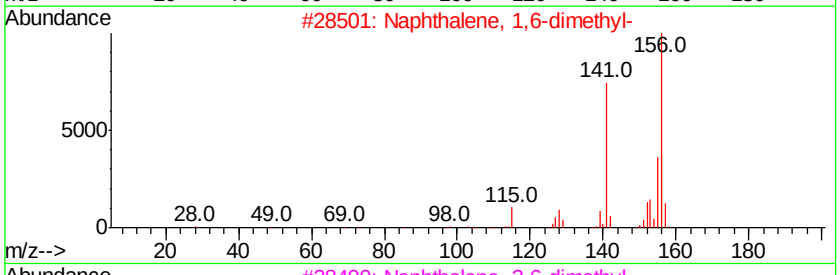
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 13

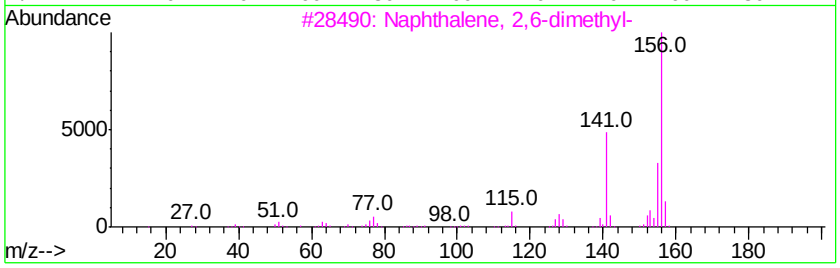
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.87 | 51.64 ng | 720403 | Acenaphthene-d10 | 14.69 |

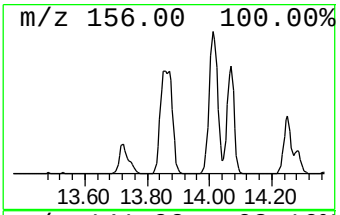
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 95 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |

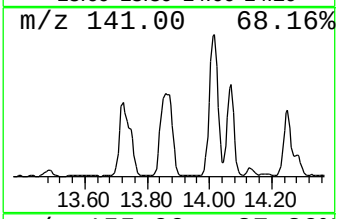


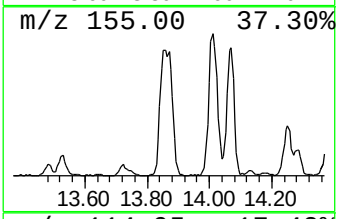



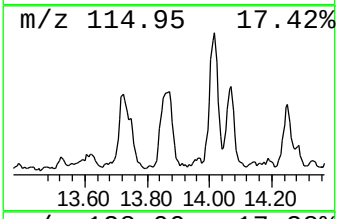



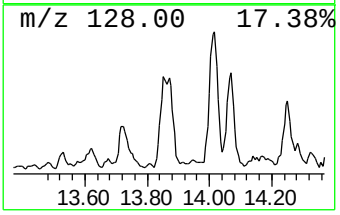



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

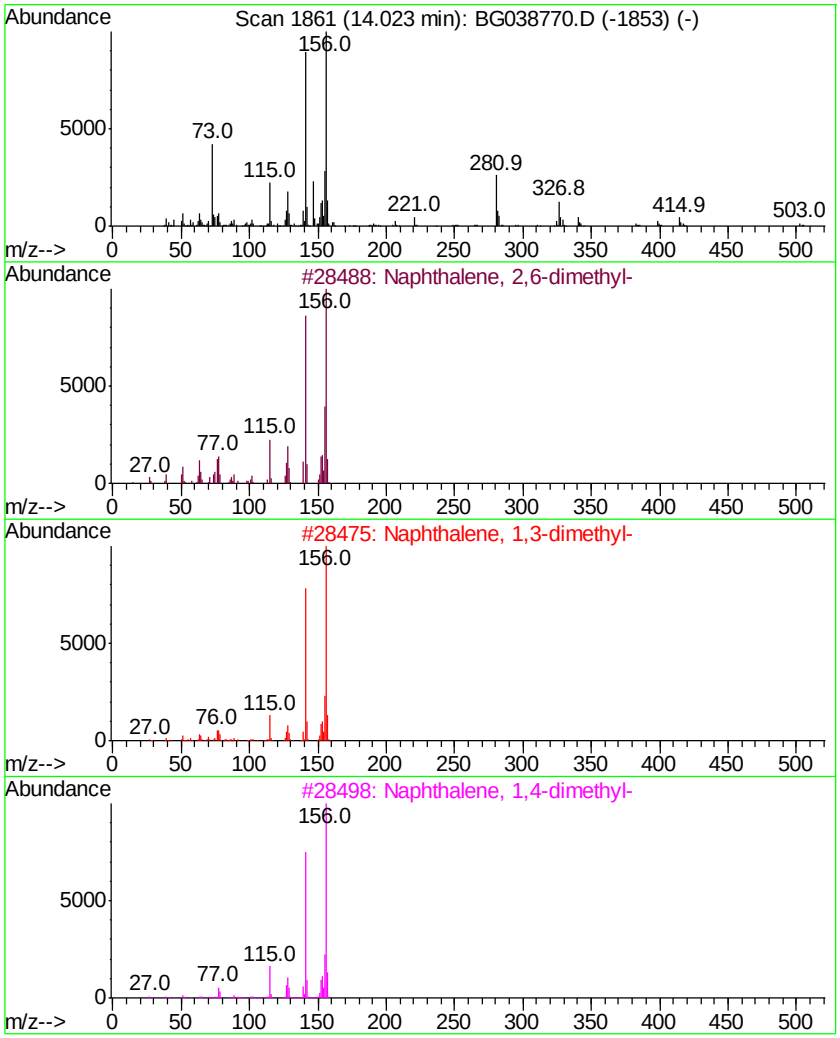
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

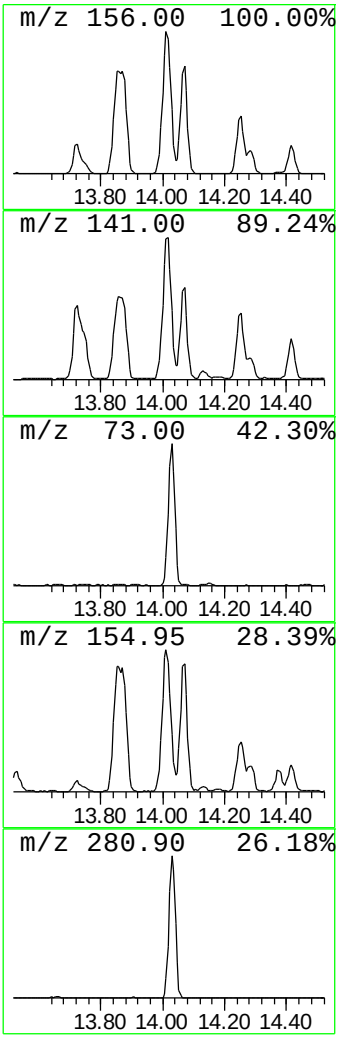
**********

Peak Number 13 Naphthalene, 2,6-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 77.04 ng | 1074720 | Acenaphthene-d10 | 14.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 95 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

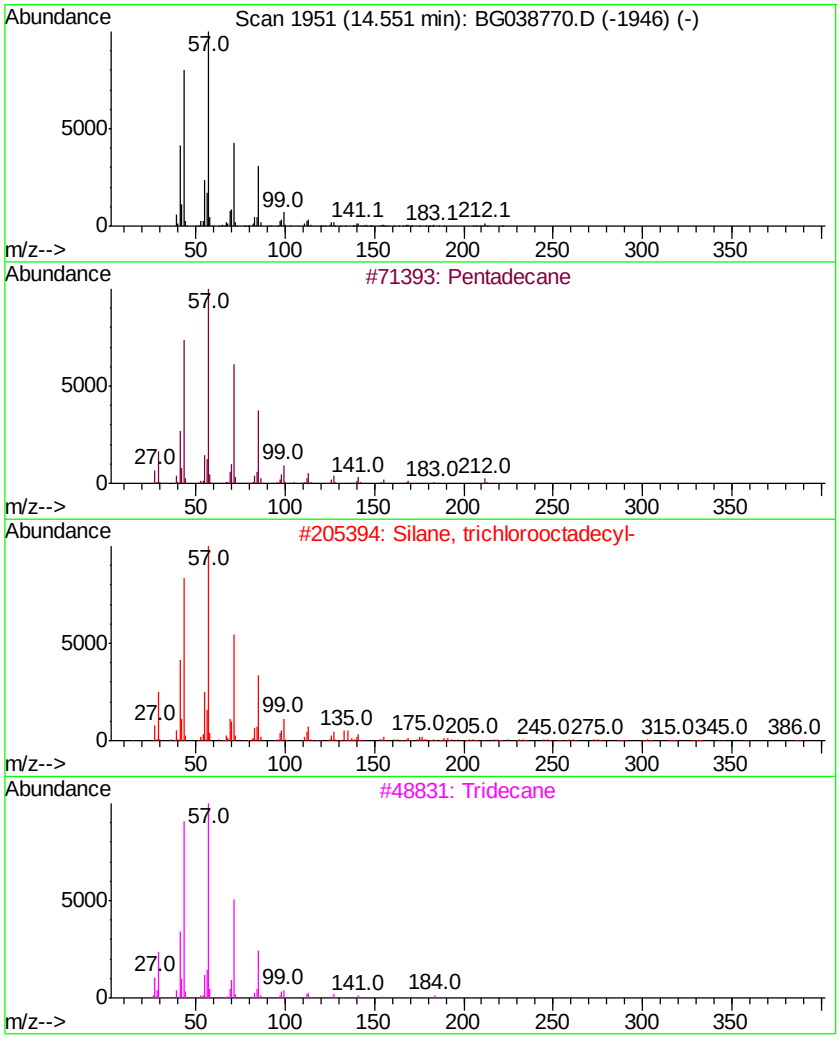
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

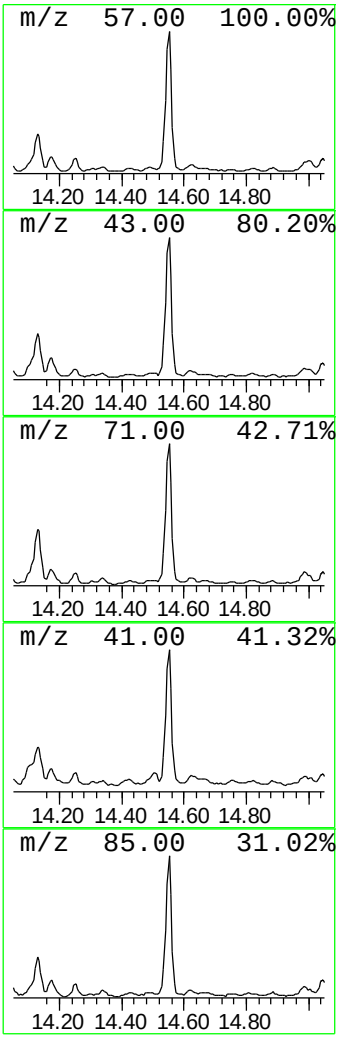
**********

Peak Number 14 Pentadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.55 | 103.46 ng | 1443300 | Acenaphthene-d10 | 14.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Undecane | 156 | C11H24 | 001120-21-4 | 78 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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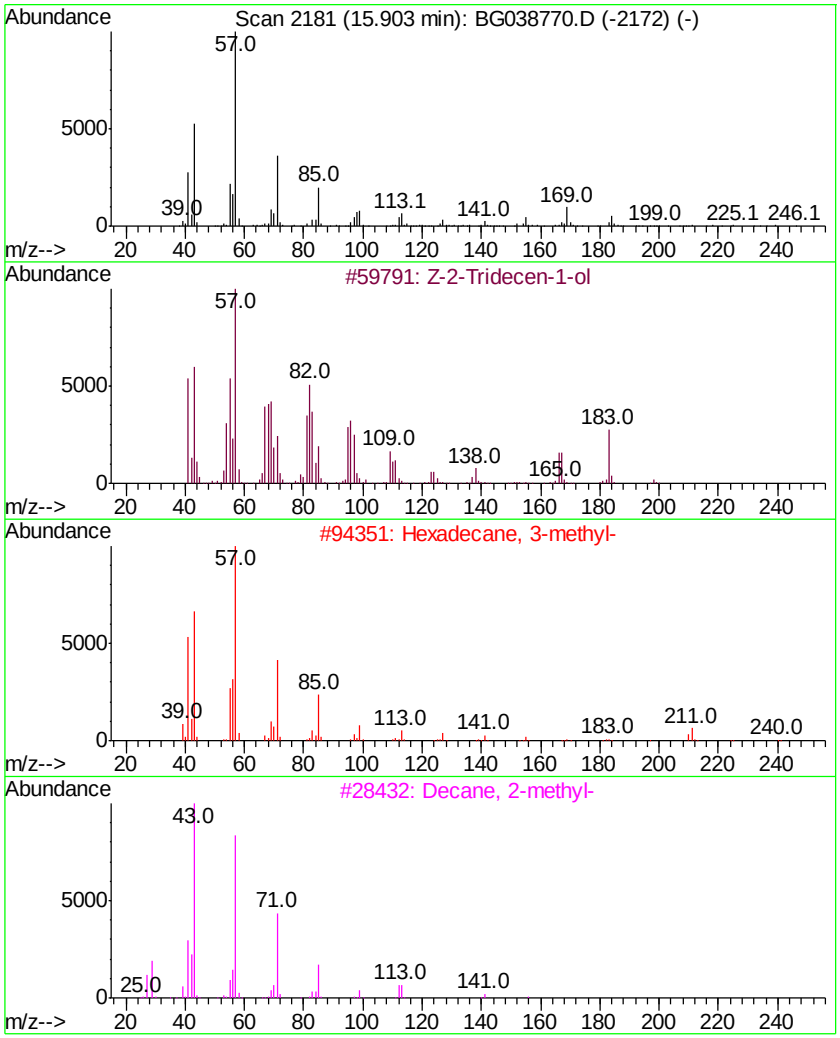
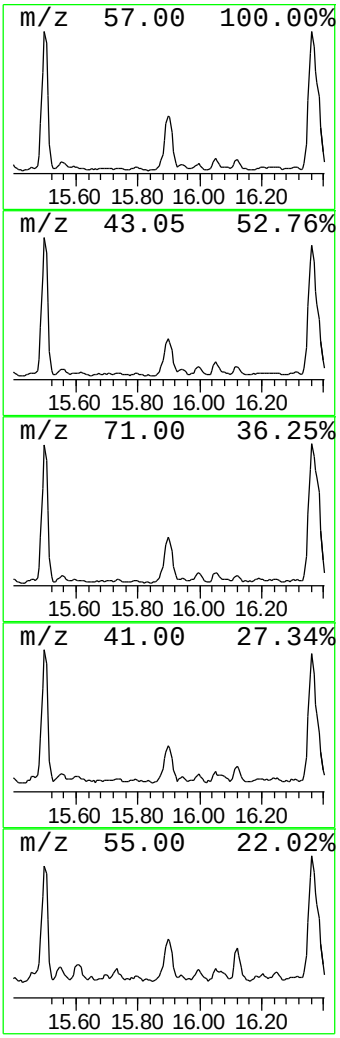
Peak Number 17 Z-2-Tridecen-1-ol Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.90 | 51.46 ng | 717913 | Acenaphthene-d10 | 14.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Z-2-Tridecen-1-ol | 198 | C13H26O | 1000130-75-8 | 83 |
| 2 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 70 |
| 3 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 62 |
| 4 | Nonane, 2-methyl- | 142 | C10H22 | 000871-83-0 | 58 |
| 5 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 52 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

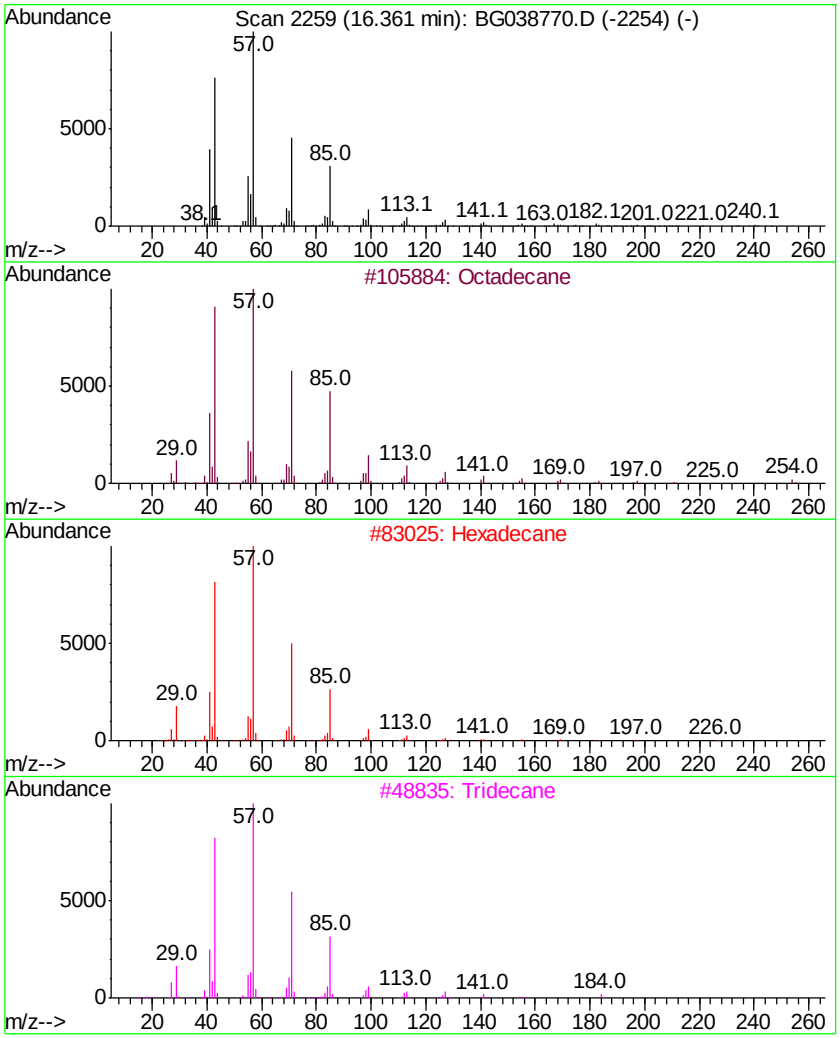
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

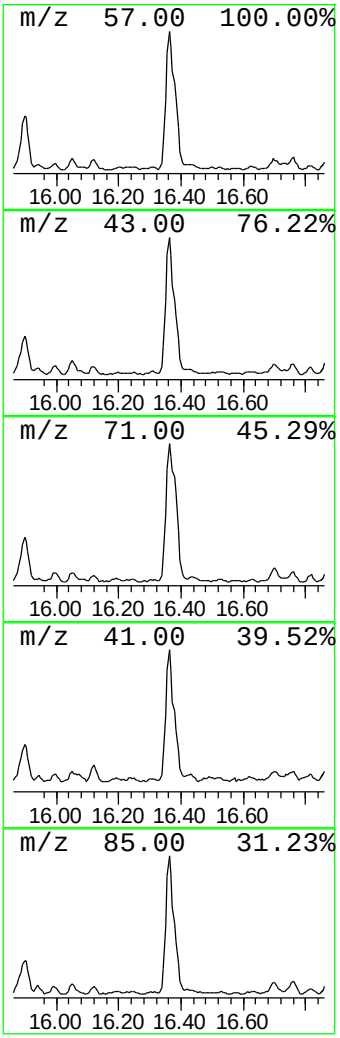
**********

Peak Number 18 Octadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.36 | 111.80 ng | 2300230 | Phenanthrene-d10 | 17.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 86 |
| 5 | Tridecane, 7-hexyl- | 268 | C19H40 | 007225-66-3 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

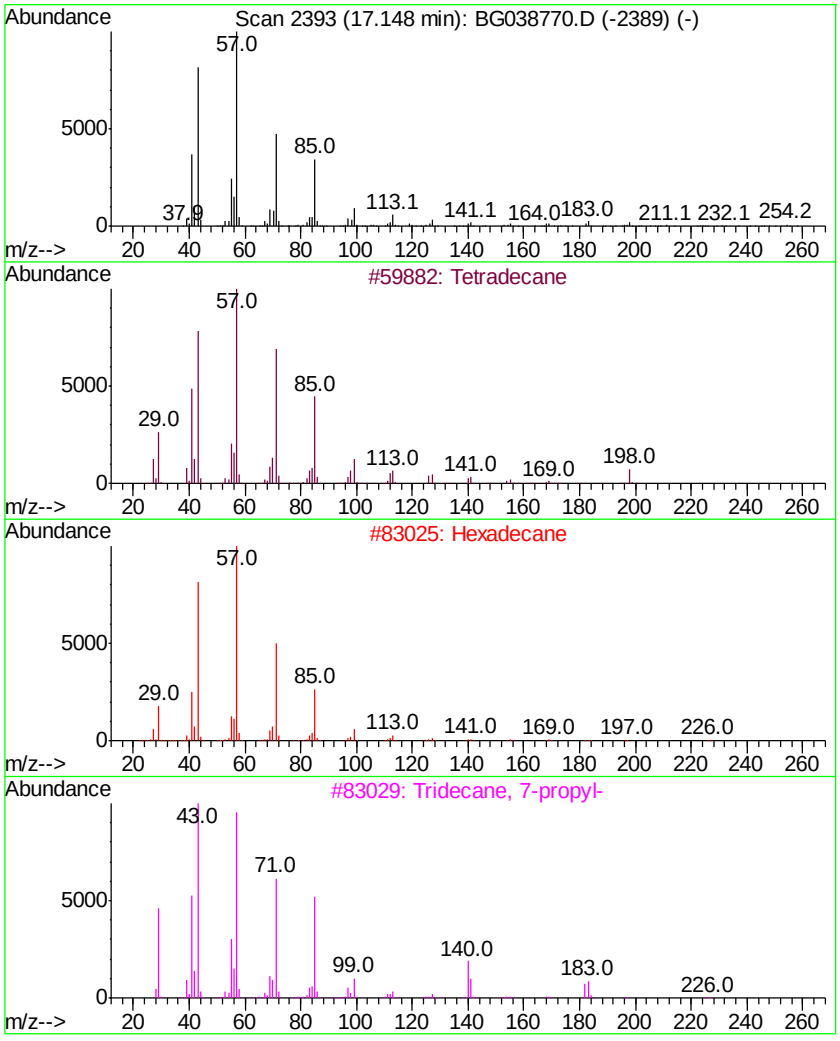
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

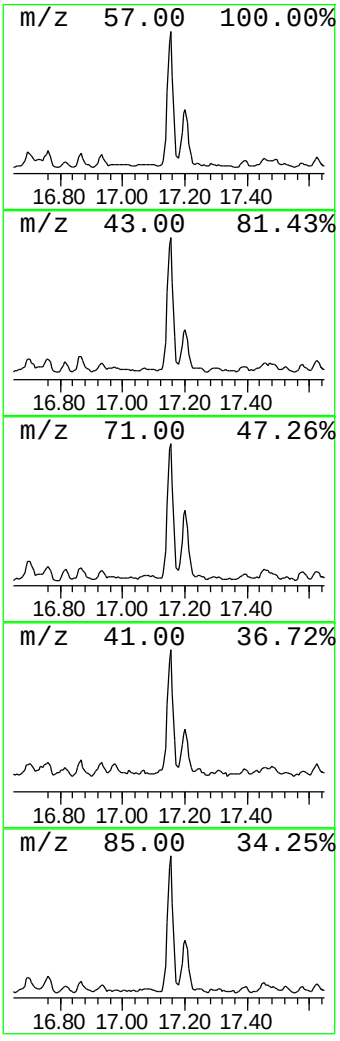
**********

Peak Number 19 Tetradecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.15 | 43.12 ng | 887295 | Phenanthrene-d10 | 17.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 97 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 96 |
| 3 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 90 |
| 4 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 87 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

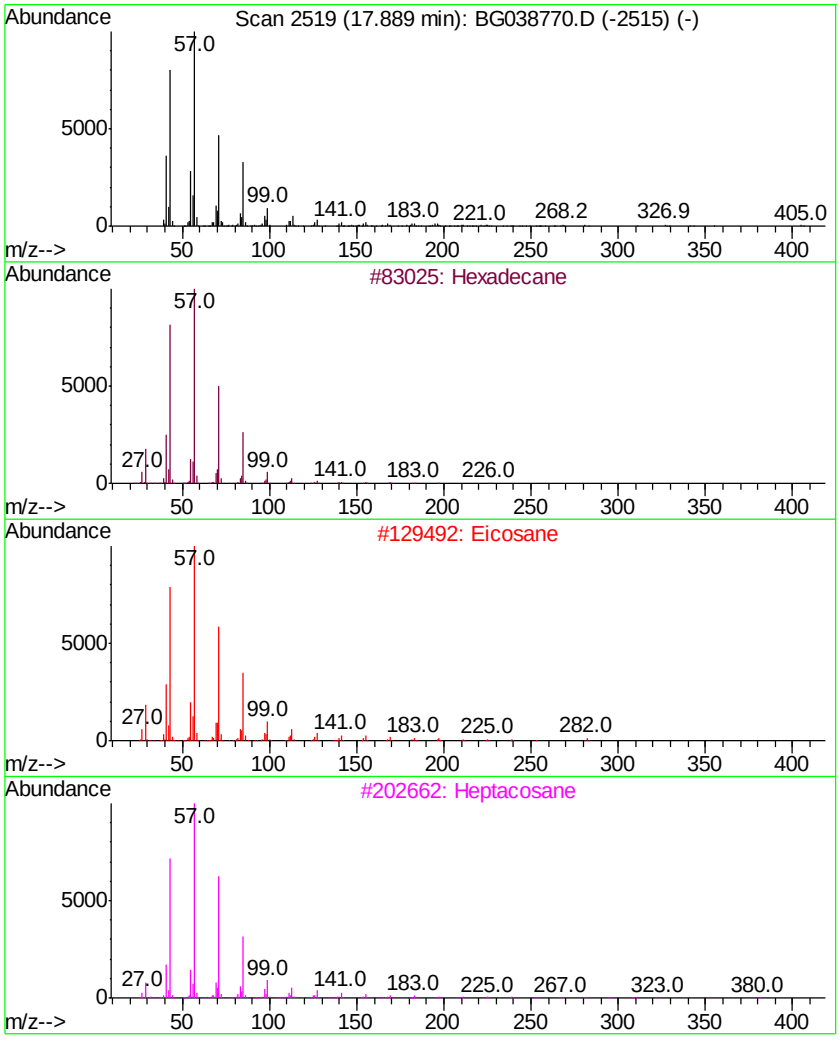
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

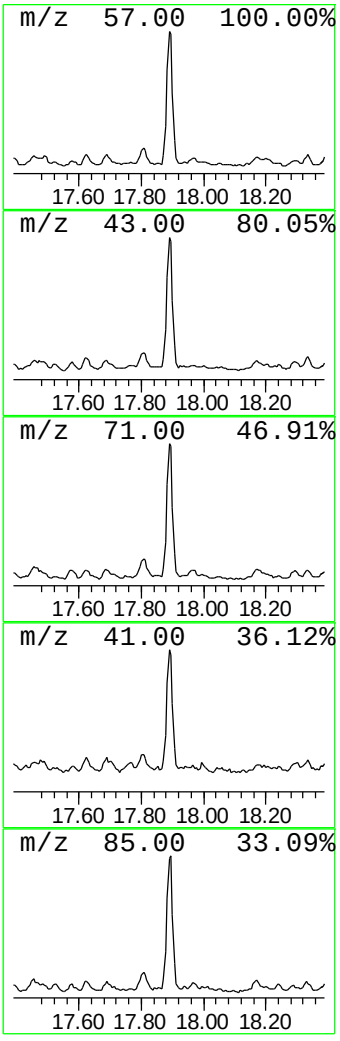
**********

Peak Number 20 Hexadecane Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.89 | 41.69 ng | 857778 | Phenanthrene-d10 | 17.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 94 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
Data File : BG038770.D
Acq On : 20 Dec 2018 20:12
Operator : JU/SJ
Sample : J6426-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS013-3036-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.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 |
| Benzene, 1,3-dime... | 5.70 | 1264.0 | ng | 22062600 | 1 | 8.06 | 349102 | 20.0 |
| unknown7.59 | 7.59 | 41.7 | ng | 727542 | 1 | 8.06 | 349102 | 20.0 |
| Plumbane, diethyl... | 9.56 | 135.2 | ng | 2764060 | 2 | 10.87 | 408789 | 20.0 |
| Dodecane | 10.80 | 61.6 | ng | 1259510 | 2 | 10.87 | 408789 | 20.0 |
| Tridecane | 12.25 | 76.2 | ng | 1557540 | 2 | 10.87 | 408789 | 20.0 |
| Naphthalene, 1,7-... | 13.87 | 51.6 | ng | 720403 | 3 | 14.69 | 278998 | 20.0 |
| Naphthalene, 2,6-... | 14.02 | 77.0 | ng | 1074720 | 3 | 14.69 | 278998 | 20.0 |
| Pentadecane | 14.55 | 103.5 | ng | 1443300 | 3 | 14.69 | 278998 | 20.0 |
| Z-2-Tridecen-1-ol | 15.90 | 51.5 | ng | 717913 | 3 | 14.69 | 278998 | 20.0 |
| Octadecane | 16.36 | 111.8 | ng | 2300230 | 4 | 17.44 | 411507 | 20.0 |
| Tetradecane | 17.15 | 43.1 | ng | 887295 | 4 | 17.44 | 411507 | 20.0 |
| Hexadecane | 17.89 | 41.7 | ng | 857778 | 4 | 17.44 | 411507 | 20.0 |