LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

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-BG033021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG048592.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.234 | 145 | 152 | 169 | rVV | 4334580 | 9184797 | 6.88% | 1.547% |
| 2 | 4.581 | 200 | 211 | 222 | rVB | 823555 | 1787391 | 1.34% | 0.301% |
| 3 | 5.598 | 363 | 384 | 391 | rBV | 7719498 | 19851791 | 14.87% | 3.343% |
| 4 | 5.680 | 391 | 398 | 399 | rVV | 736446 | 1378846 | 1.03% | 0.232% |
| 5 | 5.756 | 399 | 411 | 419 | rVB | 15090199 | 48946090 | 36.66% | 8.242% |
| 6 | 6.103 | 461 | 470 | 480 | rBV3 | 11725154 | 28516742 | 21.36% | 4.802% |
| 7 | 6.573 | 544 | 550 | 557 | rBV | 1388946 | 2849672 | 2.13% | 0.480% |
| 8 | 7.072 | 627 | 635 | 642 | rBV | 1853085 | 3657285 | 2.74% | 0.616% |
| 9 | 7.190 | 648 | 655 | 660 | rVV | 4950319 | 9772930 | 7.32% | 1.646% |
| 10 | 7.249 | 660 | 665 | 672 | rVV3 | 3477875 | 6613577 | 4.95% | 1.114% |
| 11 | 7.331 | 672 | 679 | 685 | rVB | 5537837 | 10072126 | 7.54% | 1.696% |
| 12 | 7.489 | 699 | 706 | 711 | rBV | 1997899 | 3729634 | 2.79% | 0.628% |
| 13 | 7.742 | 742 | 749 | 750 | rBV | 6165117 | 8354010 | 6.26% | 1.407% |
| 14 | 7.783 | 750 | 756 | 762 | rVV2 | 11783636 | 26187114 | 19.61% | 4.409% |
| 15 | 7.848 | 762 | 767 | 777 | rVB3 | 575164 | 1363273 | 1.02% | 0.230% |
| 16 | 8.236 | 825 | 833 | 838 | rVV2 | 4496131 | 8940746 | 6.70% | 1.505% |
| 17 | 8.300 | 838 | 844 | 850 | rVB | 3249606 | 5779170 | 4.33% | 0.973% |
| 18 | 8.500 | 870 | 878 | 884 | rVB | 3869197 | 7350110 | 5.50% | 1.238% |
| 19 | 8.688 | 897 | 910 | 912 | rBV | 12399111 | 31065666 | 23.27% | 5.231% |
| 20 | 8.759 | 918 | 922 | 928 | rVB2 | 3234620 | 5081953 | 3.81% | 0.856% |
| 21 | 9.064 | 968 | 974 | 979 | rBV | 1001004 | 1812632 | 1.36% | 0.305% |
| 22 | 9.123 | 979 | 984 | 990 | rVV | 955729 | 1972355 | 1.48% | 0.332% |
| 23 | 9.223 | 996 | 1001 | 1007 | rVV | 2222410 | 4138362 | 3.10% | 0.697% |
| 24 | 9.340 | 1007 | 1021 | 1026 | rVB4 | 3231993 | 7616802 | 5.70% | 1.283% |
| 25 | 9.751 | 1085 | 1091 | 1095 | rBV | 1216934 | 2045359 | 1.53% | 0.344% |
| 26 | 9.810 | 1095 | 1101 | 1107 | rBV2 | 2319525 | 4263483 | 3.19% | 0.718% |
| 27 | 9.975 | 1122 | 1129 | 1133 | rBV2 | 1819657 | 4022839 | 3.01% | 0.677% |
| 28 | 10.175 | 1159 | 1163 | 1174 | rVB | 957570 | 1974168 | 1.48% | 0.332% |
| 29 | 10.357 | 1185 | 1194 | 1203 | rVV4 | 4340333 | 14172368 | 10.61% | 2.386% |
| 30 | 10.457 | 1203 | 1211 | 1226 | rVV | 2712633 | 8737888 | 6.54% | 1.471% |
| 31 | 10.598 | 1227 | 1235 | 1239 | rVV3 | 560712 | 1456401 | 1.09% | 0.245% |
| 32 | 10.645 | 1239 | 1243 | 1251 | rVB | 837164 | 1622101 | 1.21% | 0.273% |
| 33 | 10.950 | 1290 | 1295 | 1298 | rBV | 2087407 | 3238264 | 2.43% | 0.545% |
| 34 | 11.126 | 1298 | 1325 | 1329 | rVV | 23081067 | 133523424 | 100.00% | 22.483% |
| 35 | 11.179 | 1331 | 1334 | 1340 | rVB | 2277550 | 3190781 | 2.39% | 0.537% |
| 36 | 12.354 | 1530 | 1534 | 1539 | rVB | 1078387 | 1608945 | 1.20% | 0.271% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

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-BG033021.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.636 | 1568 | 1582 | 1587 | rBV2 | 12583998 | 34614748 | 25.92% | 5.829% |
| 38 | 12.848 | 1607 | 1618 | 1623 | rVB | 8235330 | 17711795 | 13.26% | 2.982% |
| 39 | 13.377 | 1703 | 1708 | 1713 | rVB2 | 1488319 | 2263759 | 1.70% | 0.381% |
| 40 | 13.588 | 1737 | 1744 | 1750 | rVB2 | 1293909 | 2625223 | 1.97% | 0.442% |
| 41 | 13.788 | 1773 | 1778 | 1788 | rVB | 782700 | 1820102 | 1.36% | 0.306% |
| 42 | 14.011 | 1810 | 1816 | 1822 | rBV | 1787848 | 3089408 | 2.31% | 0.520% |
| 43 | 14.082 | 1822 | 1828 | 1833 | rVV | 1789353 | 3291720 | 2.47% | 0.554% |
| 44 | 14.469 | 1886 | 1894 | 1903 | rVB | 3164656 | 5312980 | 3.98% | 0.895% |
| 45 | 14.628 | 1916 | 1921 | 1927 | rVB2 | 972062 | 1418427 | 1.06% | 0.239% |
| 46 | 15.110 | 1998 | 2003 | 2007 | rBV | 1403710 | 2224740 | 1.67% | 0.375% |
| 47 | 15.163 | 2007 | 2012 | 2018 | rVB3 | 772388 | 1557714 | 1.17% | 0.262% |
| 48 | 16.244 | 2192 | 2196 | 2210 | rVB5 | 869983 | 1724352 | 1.29% | 0.290% |
| 49 | 16.391 | 2216 | 2221 | 2225 | rBV | 1927772 | 2773470 | 2.08% | 0.467% |
| 50 | 16.450 | 2227 | 2231 | 2237 | rVB | 1567769 | 2355228 | 1.76% | 0.397% |
| 51 | 17.395 | 2382 | 2392 | 2398 | rVB | 6529473 | 11100596 | 8.31% | 1.869% |
| 52 | 17.560 | 2416 | 2420 | 2425 | rVB | 1079880 | 1562963 | 1.17% | 0.263% |
| 53 | 17.730 | 2442 | 2449 | 2454 | rBV | 7863033 | 13240135 | 9.92% | 2.229% |
| 54 | 17.930 | 2478 | 2483 | 2489 | rVB | 4431842 | 6351895 | 4.76% | 1.070% |
| 55 | 18.036 | 2497 | 2501 | 2507 | rVB | 1409359 | 1974682 | 1.48% | 0.333% |
| 56 | 18.130 | 2512 | 2517 | 2521 | rVB | 2061374 | 2763823 | 2.07% | 0.465% |
| 57 | 18.224 | 2527 | 2533 | 2540 | rVB | 5593613 | 8021156 | 6.01% | 1.351% |
| 58 | 18.406 | 2556 | 2564 | 2567 | rBV3 | 3990776 | 7577600 | 5.68% | 1.276% |
| 59 | 18.441 | 2567 | 2570 | 2573 | rVV | 1076723 | 1355996 | 1.02% | 0.228% |
| 60 | 18.665 | 2605 | 2608 | 2614 | rVB2 | 1345206 | 1925469 | 1.44% | 0.324% |
| 61 | 18.829 | 2631 | 2636 | 2644 | rVB | 1583530 | 2574019 | 1.93% | 0.433% |
| 62 | 19.346 | 2720 | 2724 | 2730 | rVB | 1719166 | 2345094 | 1.76% | 0.395% |
| 63 | 19.546 | 2753 | 2758 | 2761 | rBV | 2075964 | 3029582 | 2.27% | 0.510% |
| 64 | 19.810 | 2801 | 2803 | 2808 | rVB3 | 1260801 | 1537836 | 1.15% | 0.259% |
| 65 | 19.928 | 2819 | 2823 | 2832 | rVB2 | 2064310 | 3845352 | 2.88% | 0.647% |
| 66 | 20.128 | 2853 | 2857 | 2861 | rVB2 | 2249610 | 2747387 | 2.06% | 0.463% |
| 67 | 21.215 | 3038 | 3042 | 3046 | rVB | 1059825 | 1411475 | 1.06% | 0.238% |
| 68 | 21.591 | 3102 | 3106 | 3115 | rVB | 1070190 | 1859384 | 1.39% | 0.313% |

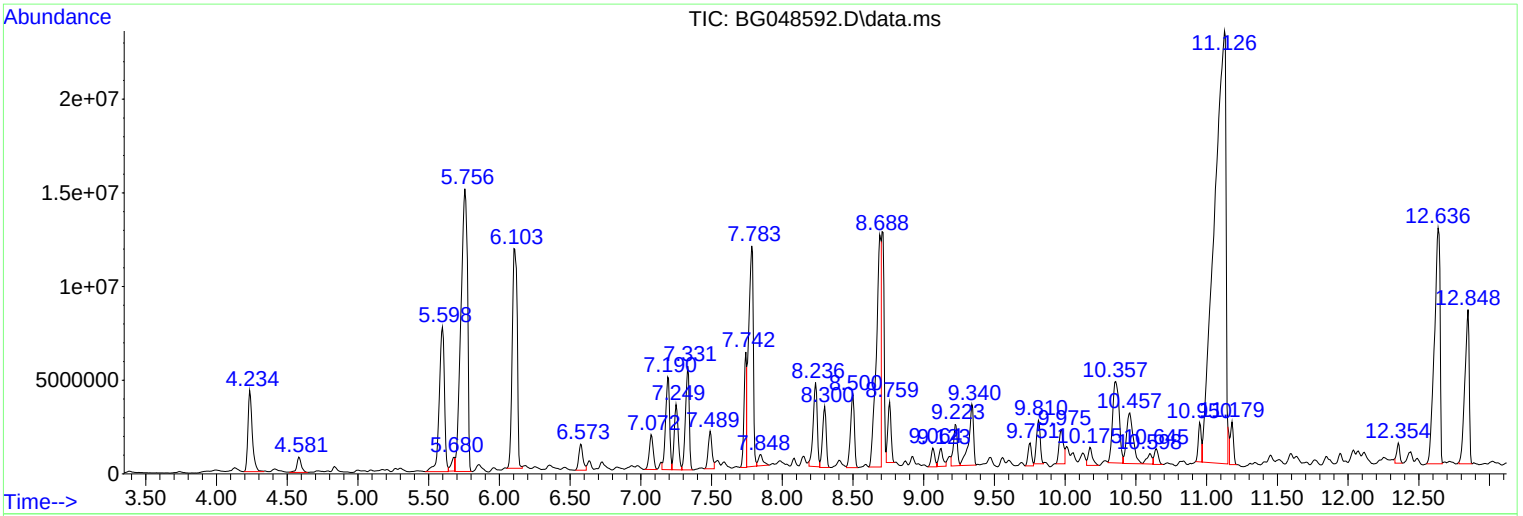
Sum of corrected areas: 593887205

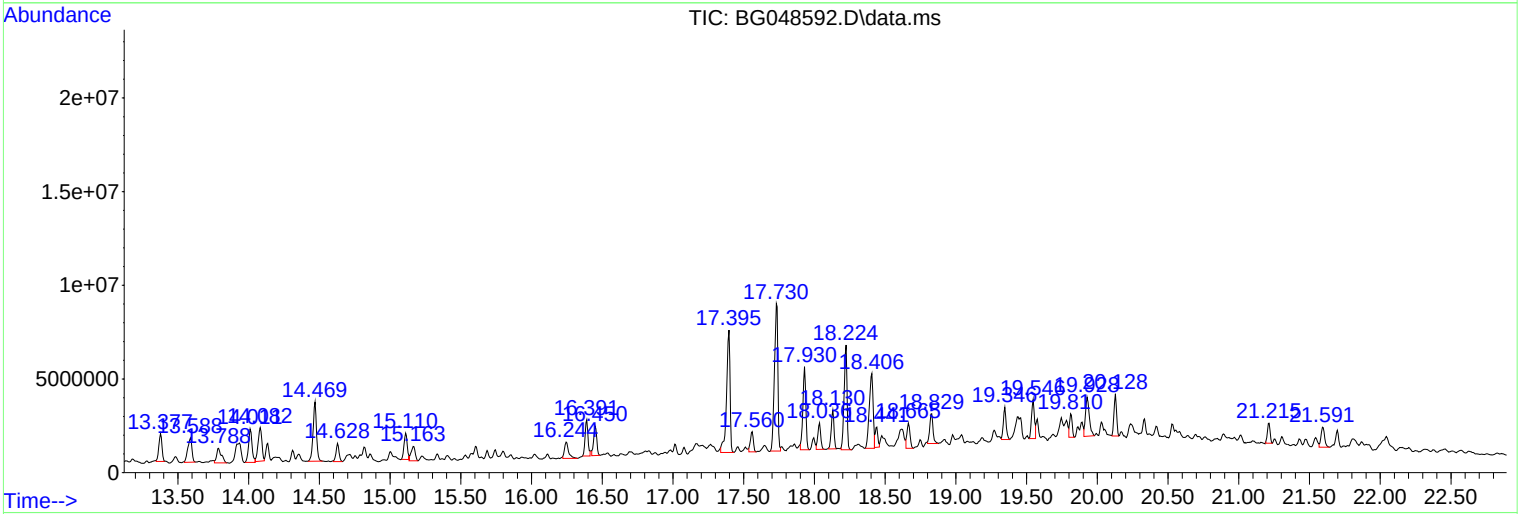
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

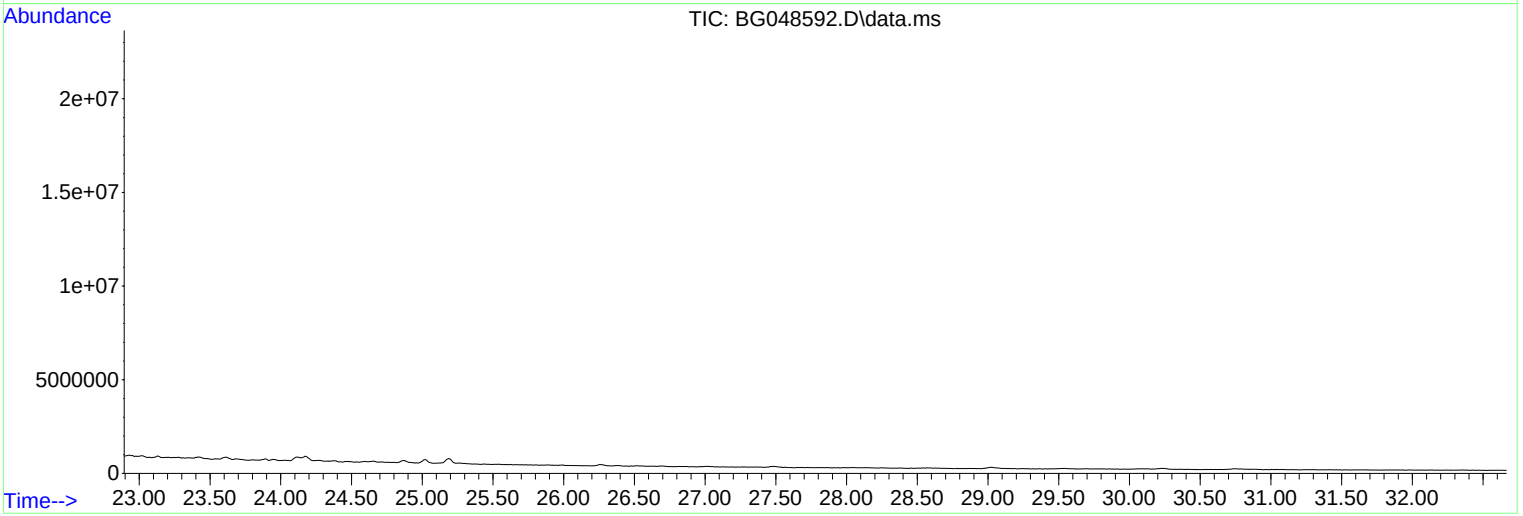
**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.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\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

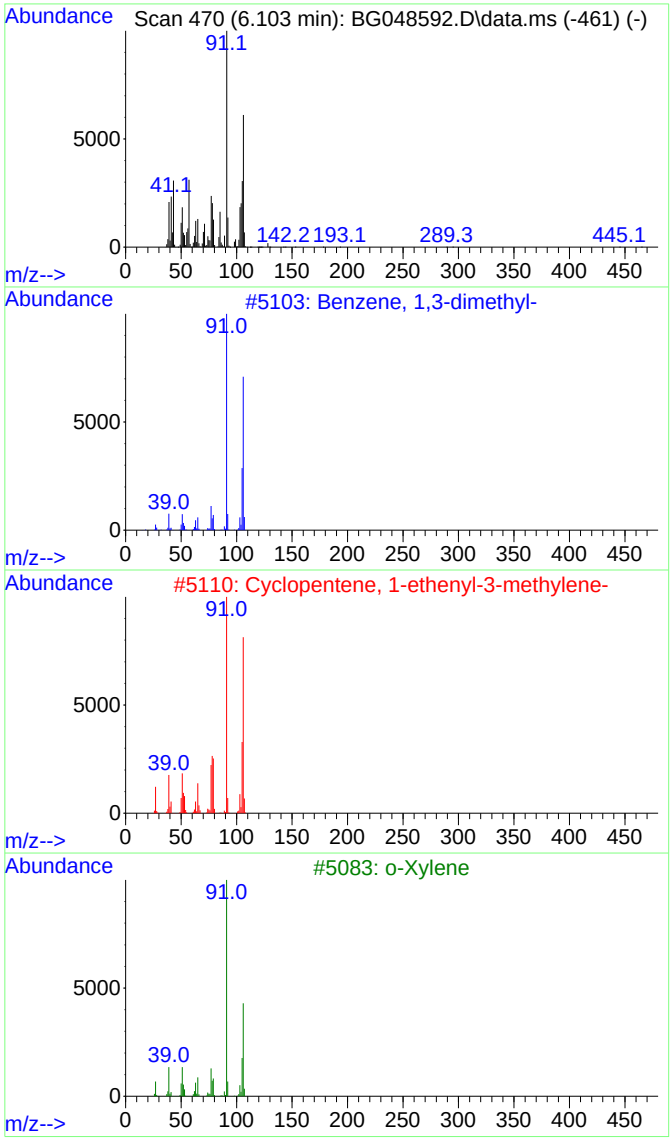
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

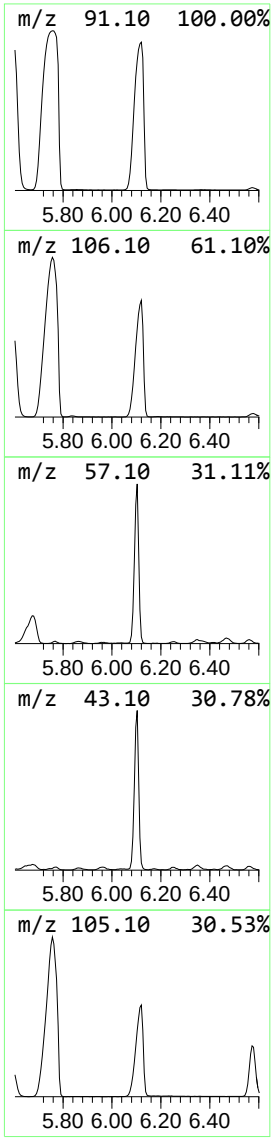
**********

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.103 | 63.79 ng | 28516700 | 1,4-Dichlorobenzene-d4 | 8.106 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 70 |
| 2 | Cyclopentene, 1-ethenyl-3-methyl... | 106 | C8H10 | 061142-07-2 | 64 |
| 3 | o-Xylene | 106 | C8H10 | 000095-47-6 | 64 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 60 |
| 5 | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10 | 002175-91-9 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

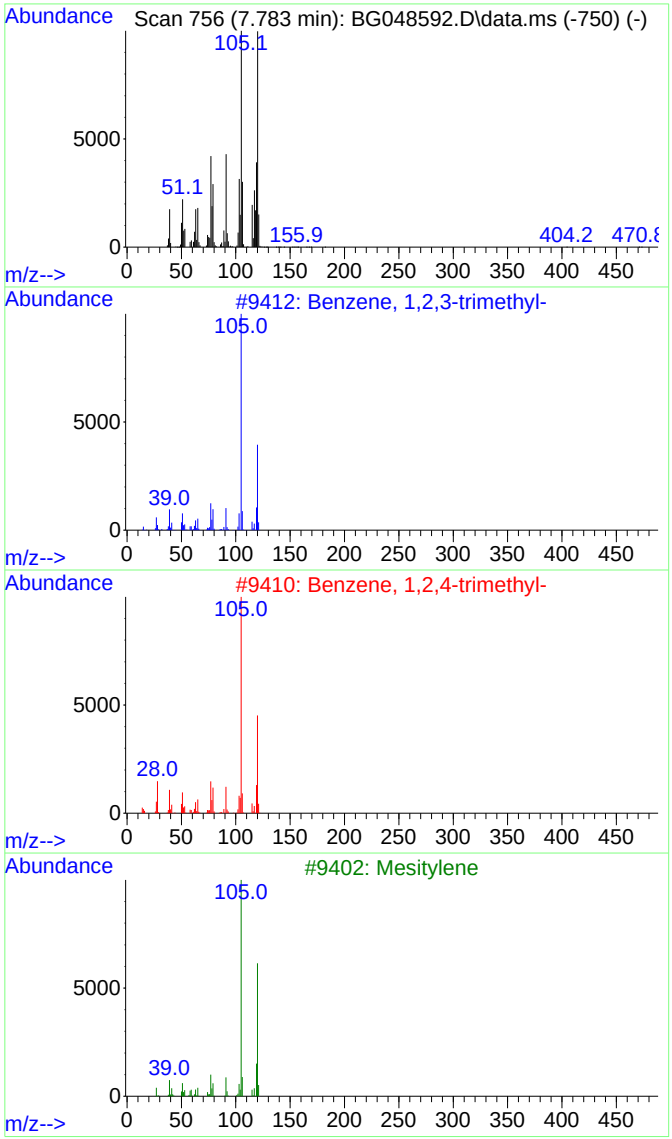
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

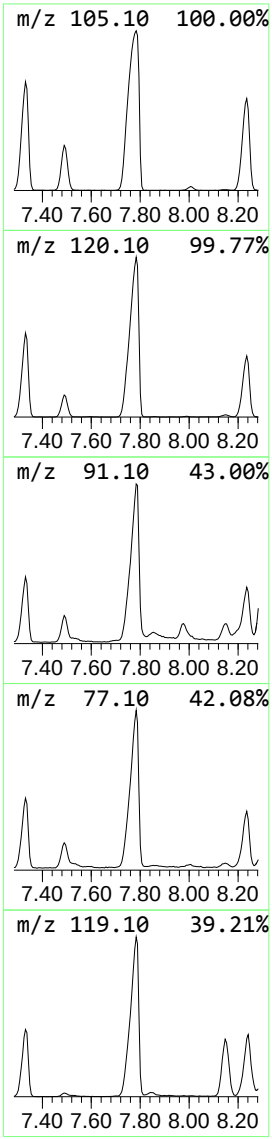
**********

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.783 | 58.58 ng | 26187100 | 1,4-Dichlorobenzene-d4 | 8.106 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 64 |
| 2 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 62 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 58 |
| 4 | 1,3-Cyclopentadiene, 5-(1-methyl... | 120 | C9H12 | 003141-02-4 | 52 |
| 5 | 2,3-Heptadien-5-yne, 2,4-dimethyl- | 120 | C9H12 | 041898-89-9 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

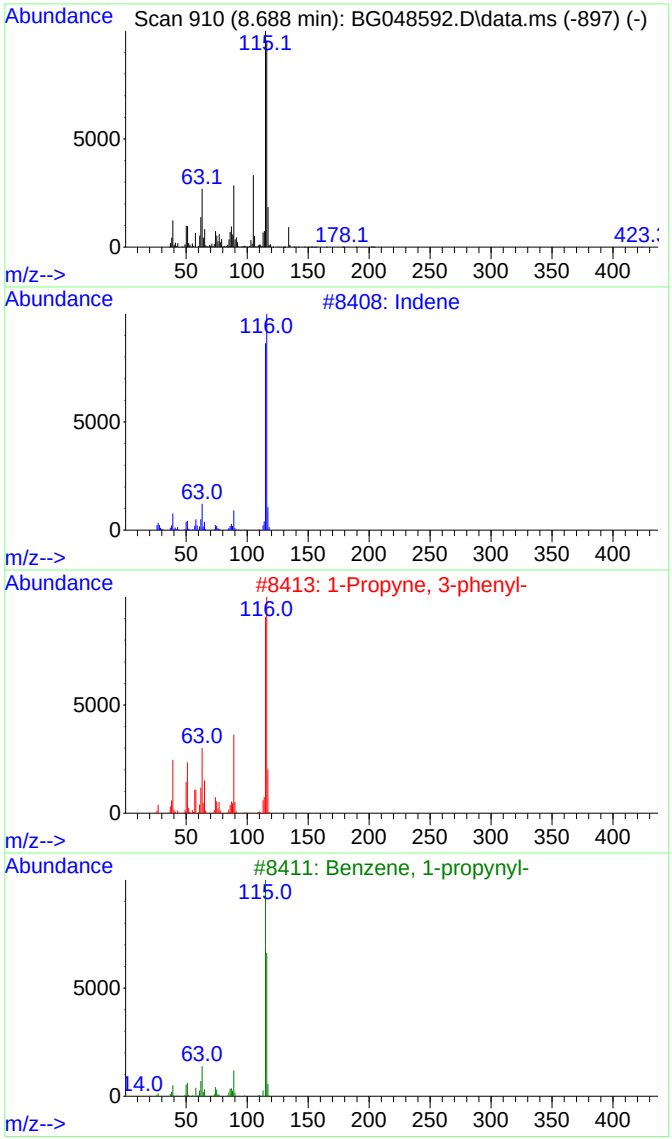
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

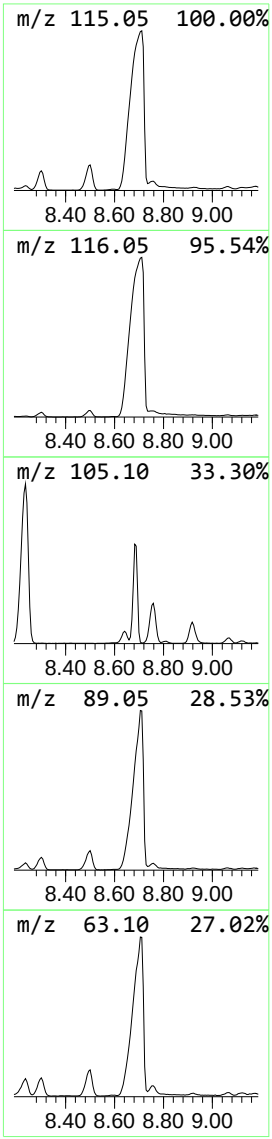
**********

Peak Number 5 Indene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.688 | 69.49 ng | 31065700 | 1,4-Dichlorobenzene-d4 | 8.106 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 2 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 90 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 81 |
| 4 | 2-Methylphenylacetylene | 116 | C9H8 | 000766-47-2 | 74 |
| 5 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

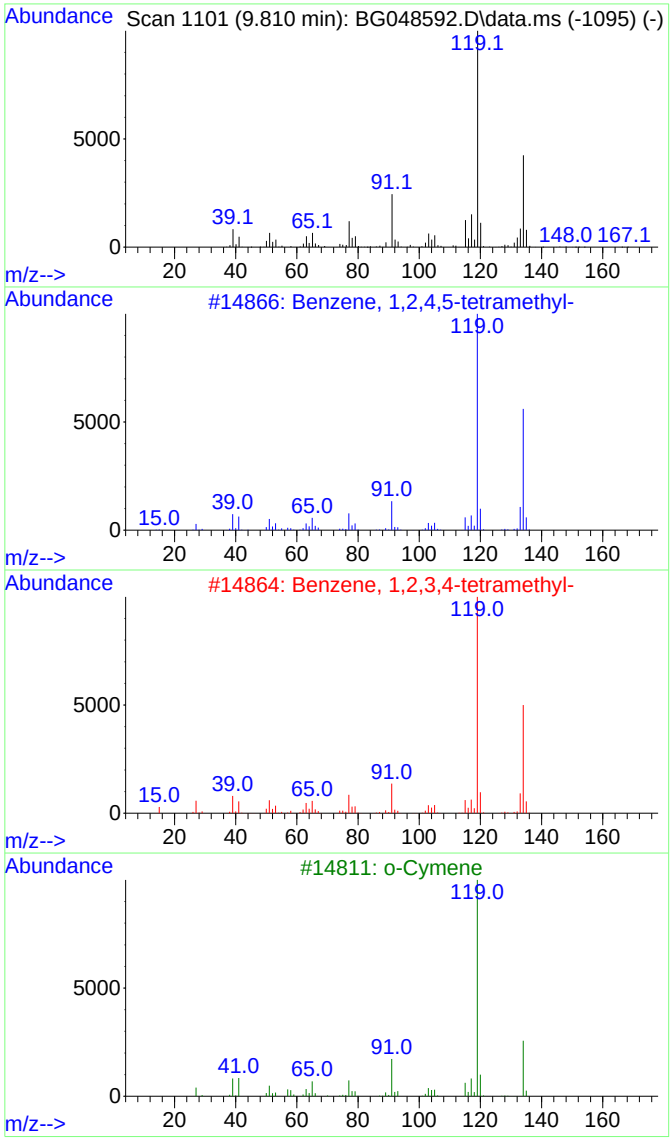
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

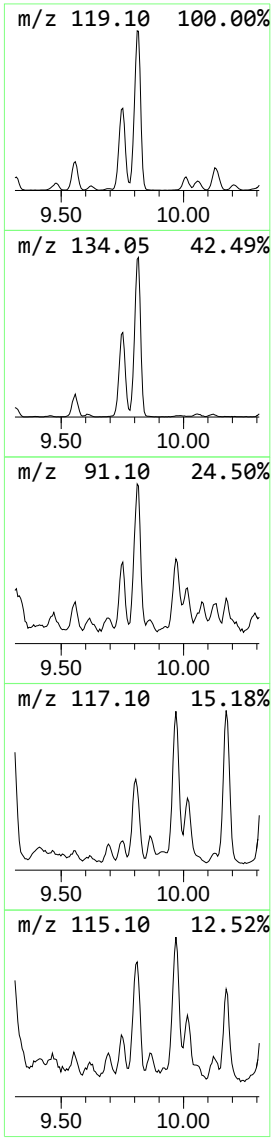
**********

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.810 | 26.33 ng | 4263480 | Naphthalene-d8 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 93 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

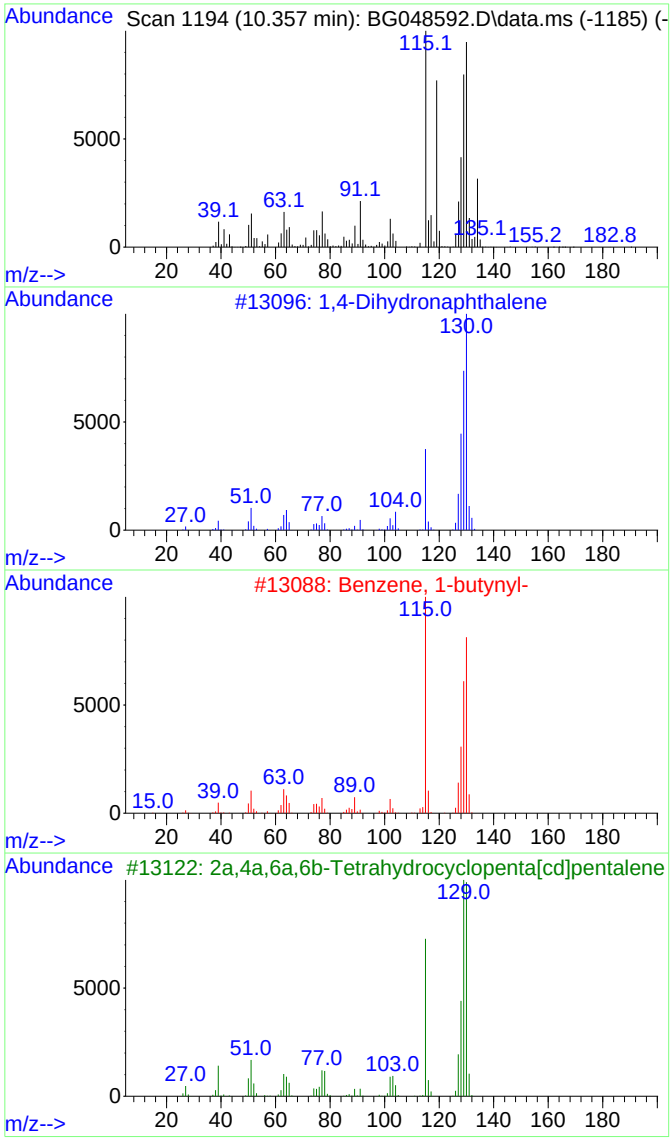
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

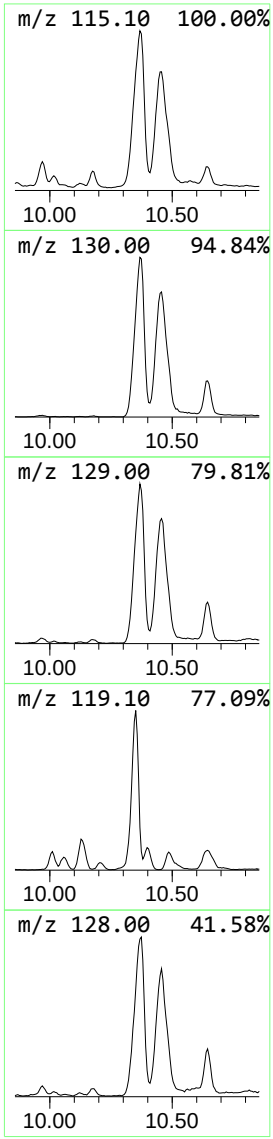
**********

Peak Number 7 1,4-Dihydronaphthalene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.357 | 87.53 ng | 14172400 | Naphthalene-d8 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 83 |
| 2 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 83 |
| 3 | 2a,4a,6a,6b-Tetrahydrocyclopenta... | 130 | C10H10 | 006053-74-3 | 83 |
| 4 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 83 |
| 5 | Naphthalene, 1,2-dihydro- | 130 | C10H10 | 000447-53-0 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

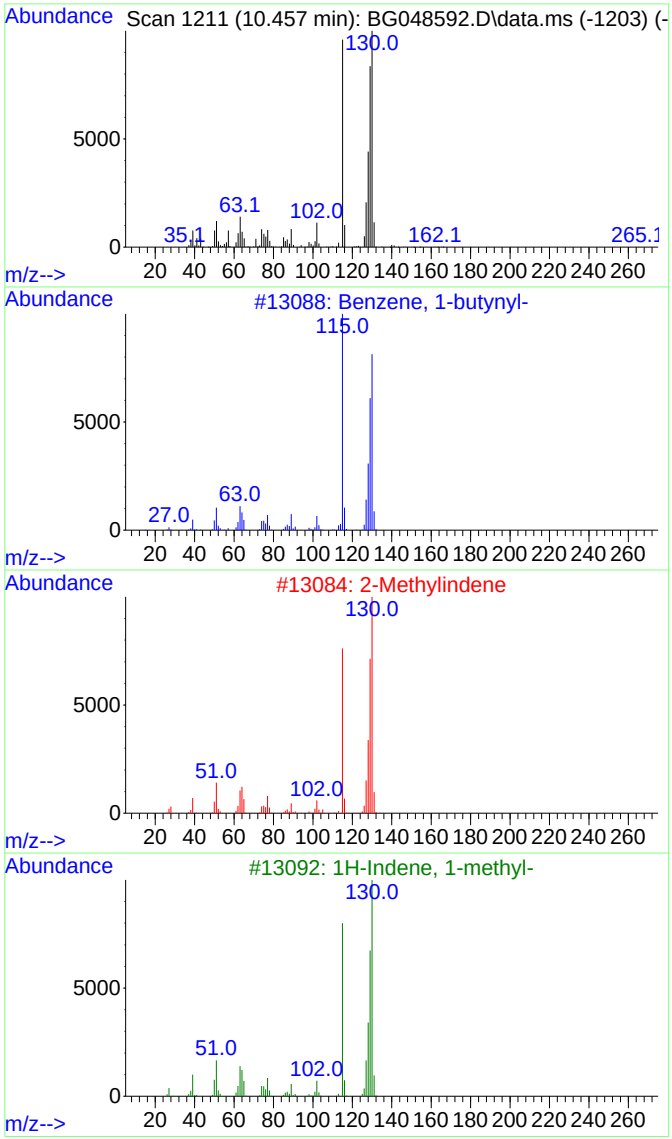
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

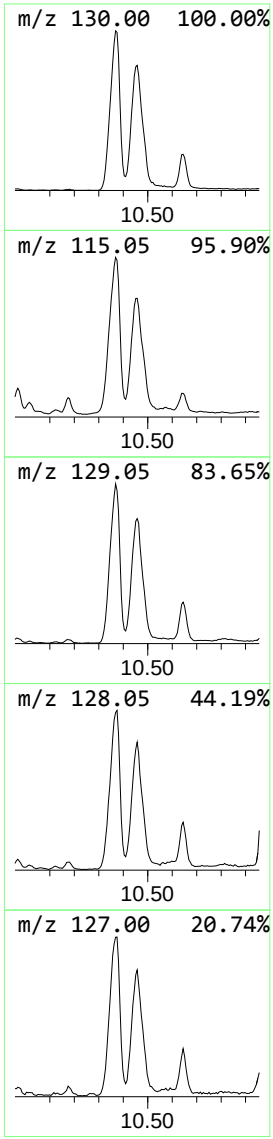
**********

Peak Number 8 Benzene, 1-butynyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.457 | 53.97 ng | 8737890 | Naphthalene-d8 | 11.015 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-butynyl- | 130 | C10H10 | 000622-76-4 | 95 |
| 2 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 91 |
| 3 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 91 |
| 4 | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10 | 065051-83-4 | 91 |
| 5 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 90 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

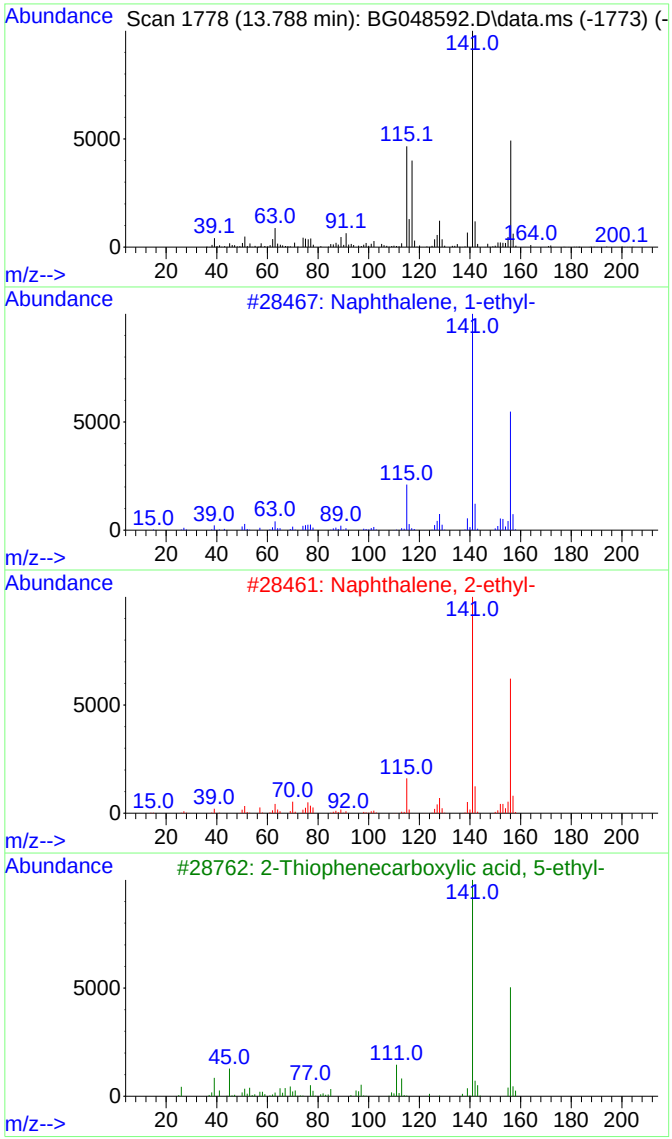
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

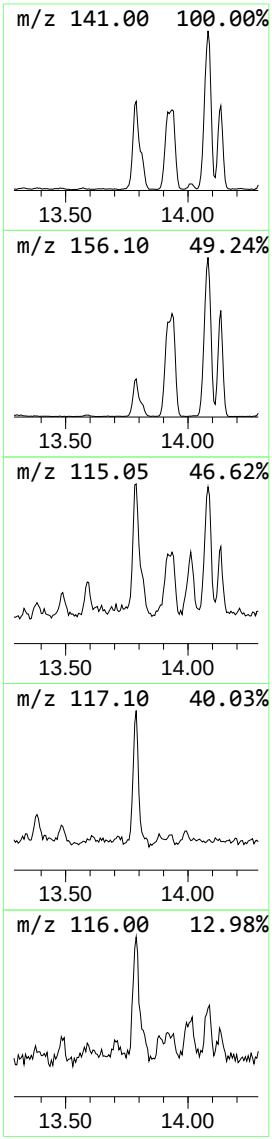
**********

Peak Number 9 unknown13.788 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.788 | 25.66 ng | 1820100 | Acenaphthene-d10 | 14.752 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 90 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 70 |
| 3 | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 49 |
| 4 | 3',4'-Difluoroacetophenone | 156 | C8H6F2O | 000369-33-5 | 46 |
| 5 | Butethal | 212 | C10H16N2O3 | 000077-28-1 | 43 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

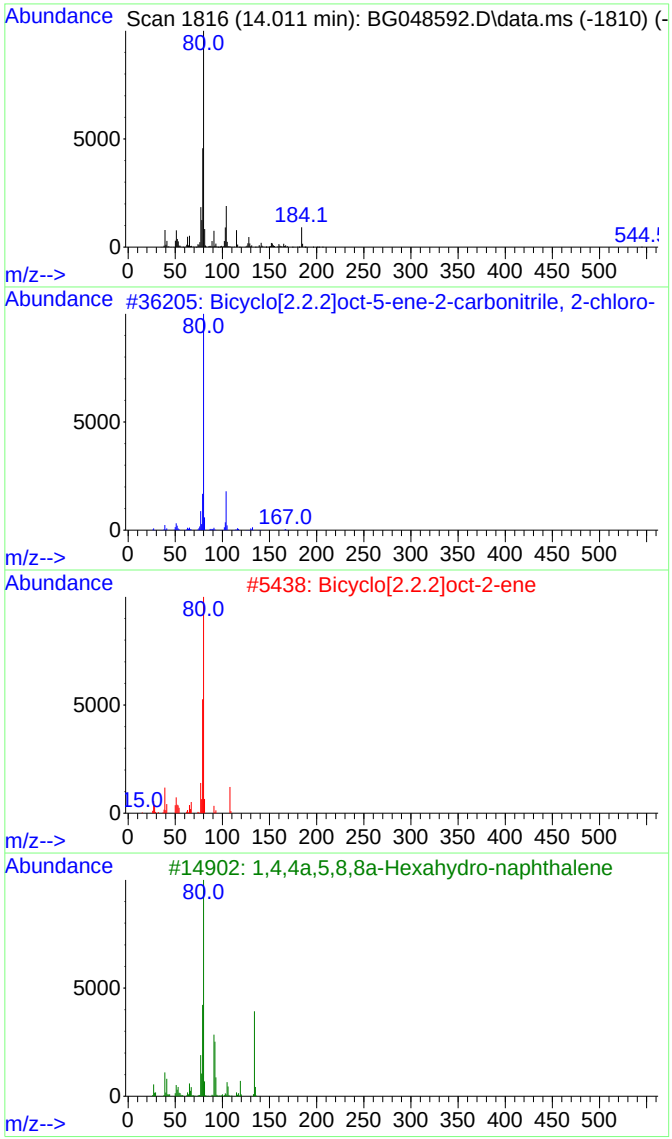
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

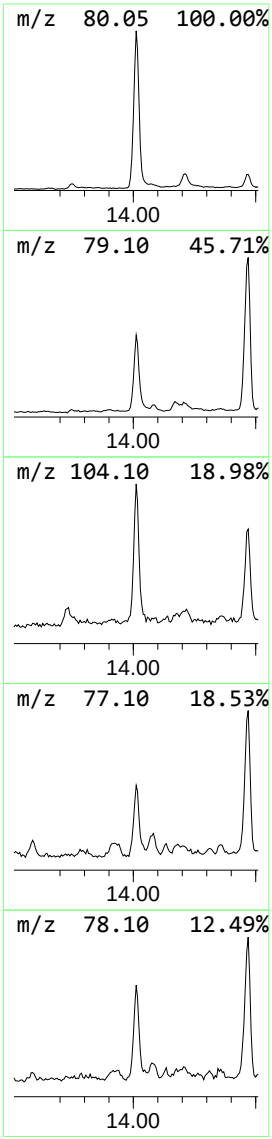
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Bicyclo[2.2.2]oct-5-ene-2-c... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.011 | 43.56 ng | 3089410 | Acenaphthene-d10 | 14.752 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.2]oct-5-ene-2-carbon... | 167 | C9H10ClN | 1000164-89-8 | 80 |
| 2 | Bicyclo[2.2.2]oct-2-ene | 108 | C8H12 | 000931-64-6 | 78 |
| 3 | 1,4,4a,5,8,8a-Hexahydro-naphthalene | 134 | C10H14 | 1000190-92-0 | 78 |
| 4 | Bicyclo[2.2.1]hept-2-ene, 1-methyl- | 108 | C8H12 | 000822-73-1 | 78 |
| 5 | Bicyclo[2.2.2]oct-5-en-2-one | 122 | C8H10O | 002220-40-8 | 72 |



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Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

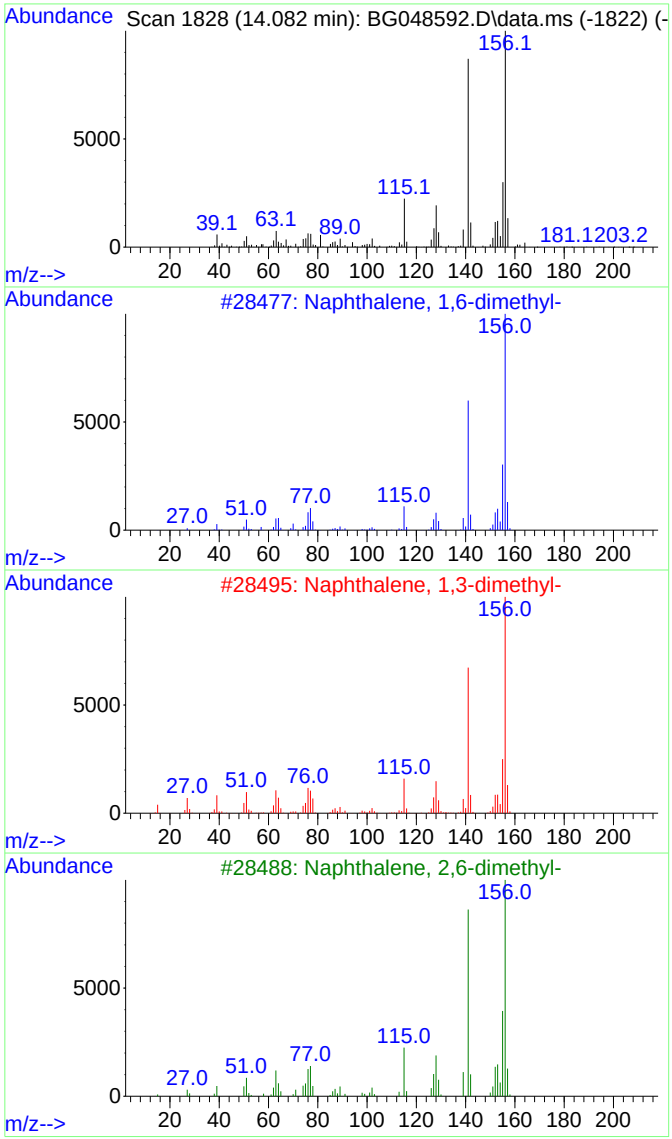
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

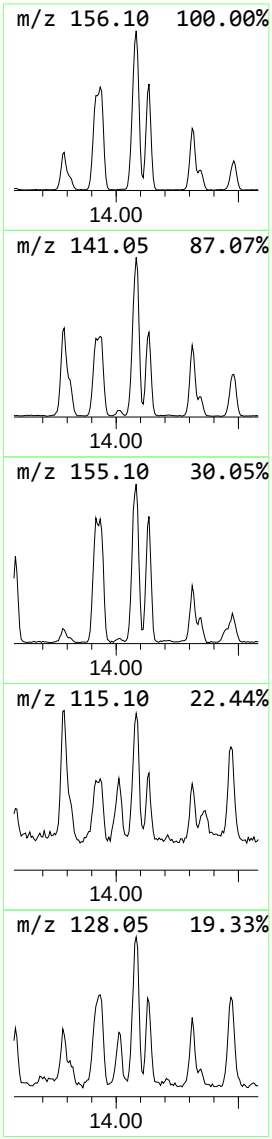
**********

Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.082 | 46.41 ng | 3291720 | Acenaphthene-d10 | 14.752 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 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 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

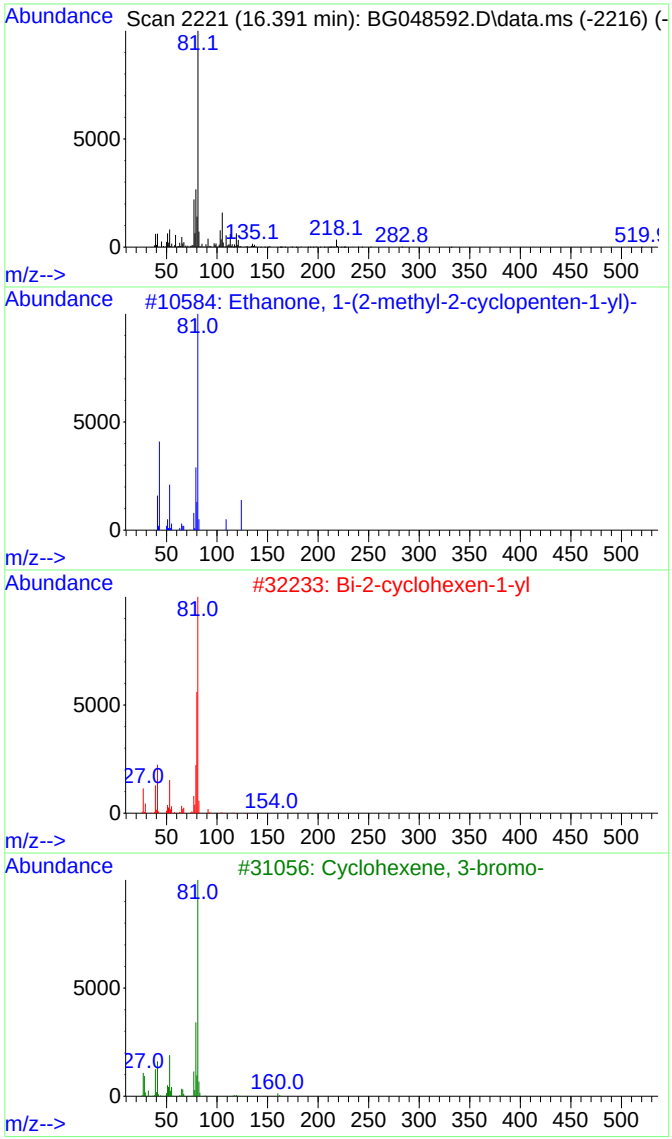
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

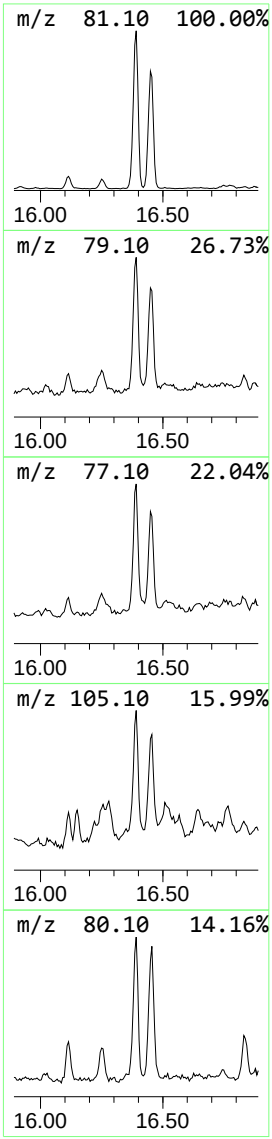
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Ethanone, 1-(2-methyl-2-cyc... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.391 | 35.49 ng | 2773470 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(2-methyl-2-cyclopen... | 124 | C8H12O | 001767-84-6 | 53 |
| 2 | Bi-2-cyclohexen-1-yl | 162 | C12H18 | 001541-20-4 | 38 |
| 3 | Cyclohexene, 3-bromo- | 160 | C6H9Br | 001521-51-3 | 36 |
| 4 | Cyclohexene,3-(2-propenyl)- | 122 | C9H14 | 015232-95-8 | 36 |
| 5 | Bicyclo[2.1.0]pentane-5-carboxyl... | 154 | C9H14O2 | 074810-55-2 | 36 |



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Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

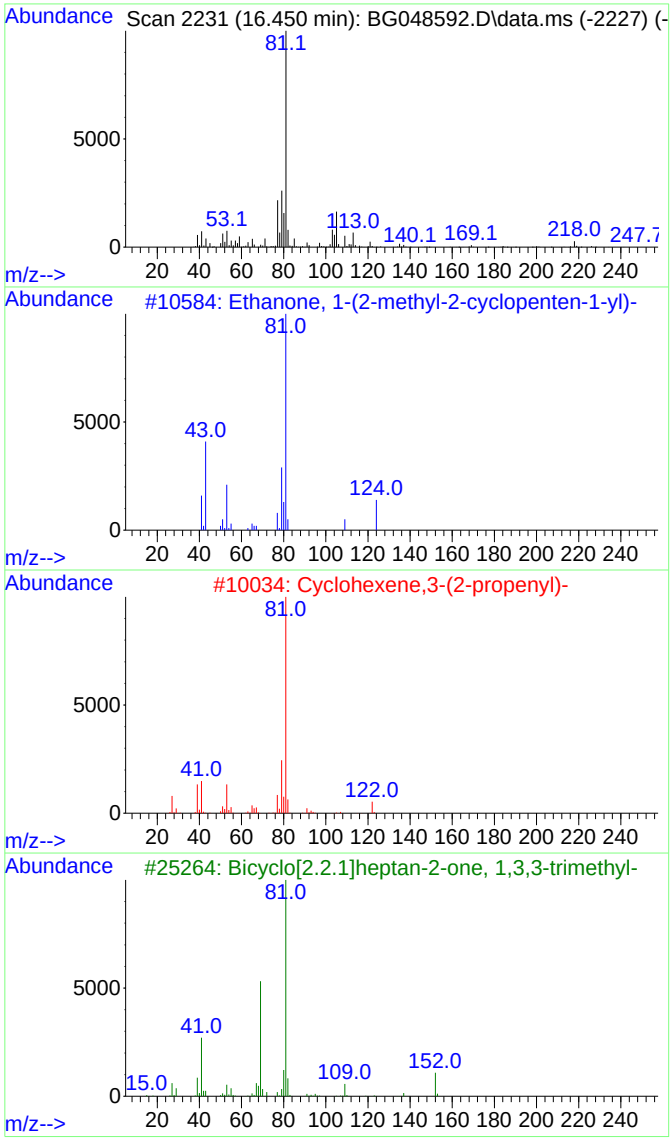
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

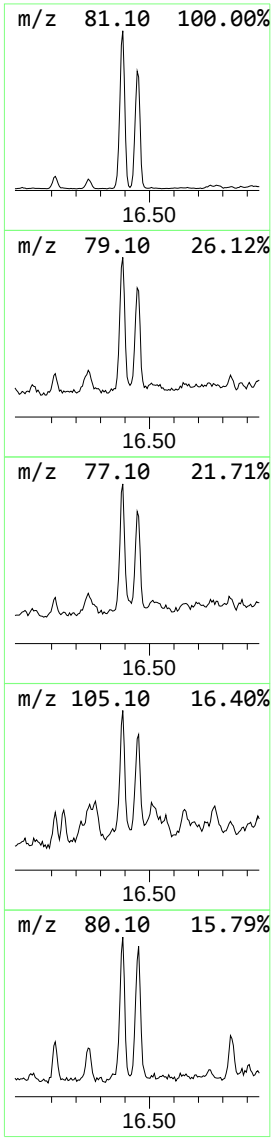
**********

Peak Number 13 Cyclohexene,3-(2-propenyl)- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.450 | 30.14 ng | 2355230 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(2-methyl-2-cyclopen... | 124 | C8H12O | 001767-84-6 | 53 |
| 2 | Cyclohexene,3-(2-propenyl)- | 122 | C9H14 | 015232-95-8 | 53 |
| 3 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 43 |
| 4 | Bicyclo[2.1.0]pentane-5-carboxyl... | 154 | C9H14O2 | 074810-55-2 | 42 |
| 5 | 2,3-Diazabicyclo[2.2.1]hept-2-en... | 124 | C7H12N2 | 071312-54-4 | 33 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

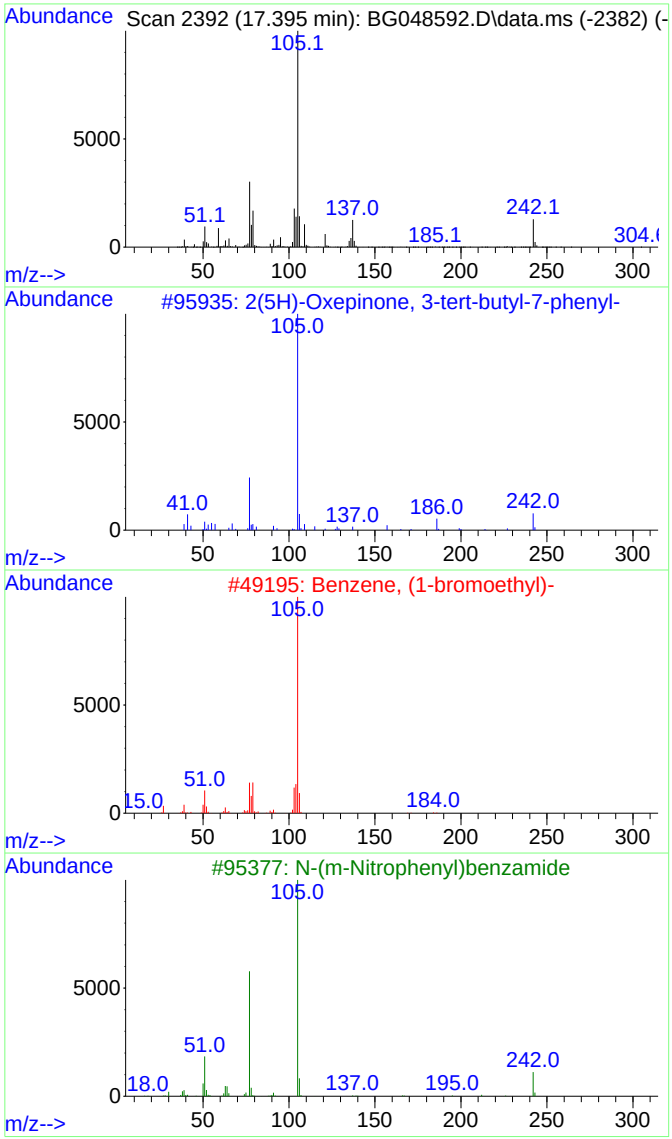
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

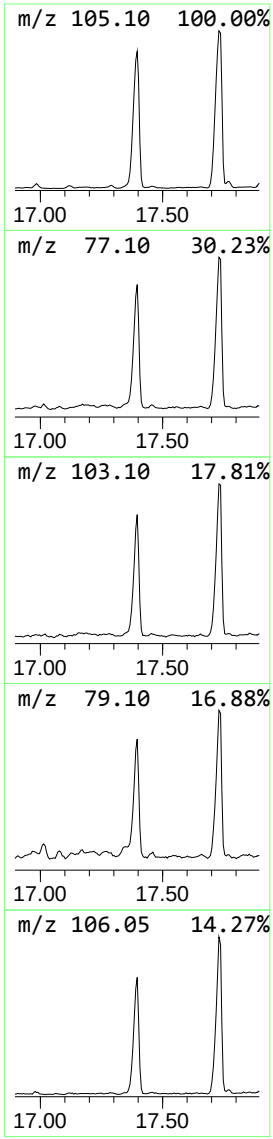
**********

Peak Number 14 unknown17.395 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.395 | 142.05 ng | 11100600 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(5H)-Oxepinone, 3-tert-butyl-7-... | 242 | C16H18O2 | 1000142-27-9 | 47 |
| 2 | Benzene, (1-bromoethyl)- | 184 | C8H9Br | 000585-71-7 | 43 |
| 3 | N-(m-Nitrophenyl)benzamide | 242 | C13H10N2O3 | 004771-08-8 | 43 |
| 4 | Butanedioic acid, hydroxy-, bis(... | 370 | C20H18O7 | 058265-78-4 | 43 |
| 5 | Benzene, 1-(bromomethyl)-2-methyl- | 184 | C8H9Br | 000089-92-9 | 43 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

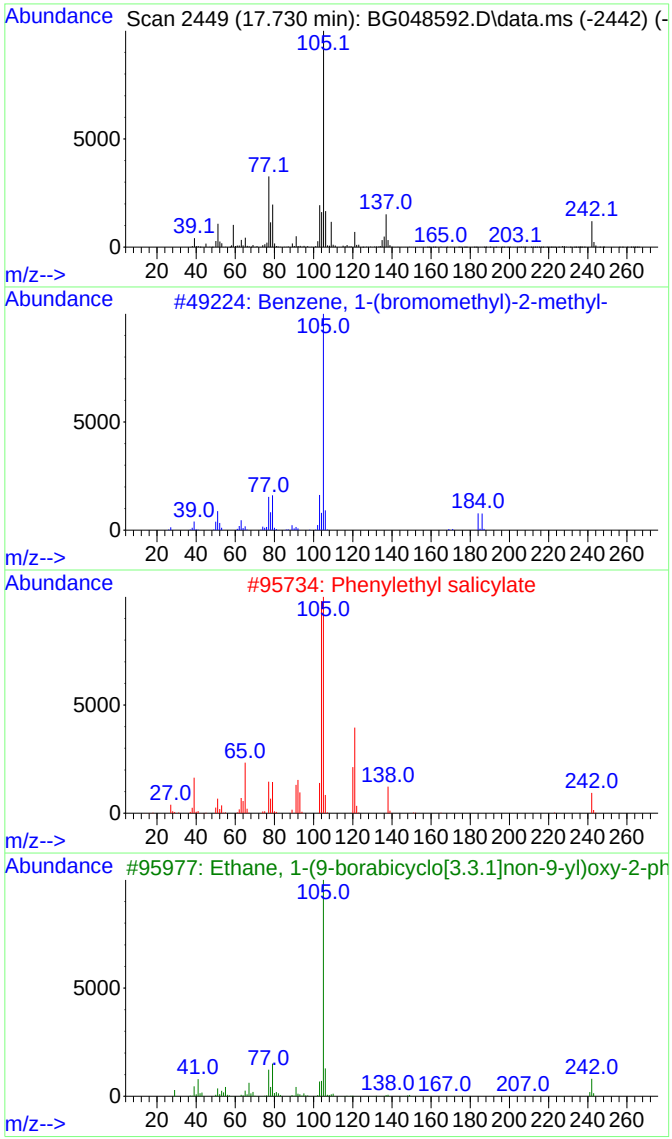
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

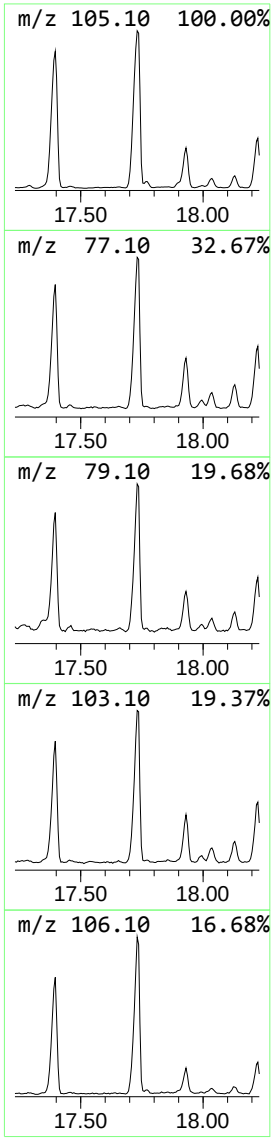
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-(bromomethyl)-2-... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.730 | 169.42 ng | 13240100 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(bromomethyl)-2-methyl- | 184 | C8H9Br | 000089-92-9 | 53 |
| 2 | Phenylethyl salicylate | 242 | C15H14O3 | 000087-22-9 | 52 |
| 3 | Ethane, 1-(9-borabicyclo[3.3.1]n... | 242 | C16H23BO | 1000161-01-0 | 43 |
| 4 | Benzene, (1-bromoethyl)- | 184 | C8H9Br | 000585-71-7 | 38 |
| 5 | Phenol, 2-[(1-phenylethyl)thio]- | 230 | C14H14OS | 029549-70-0 | 38 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

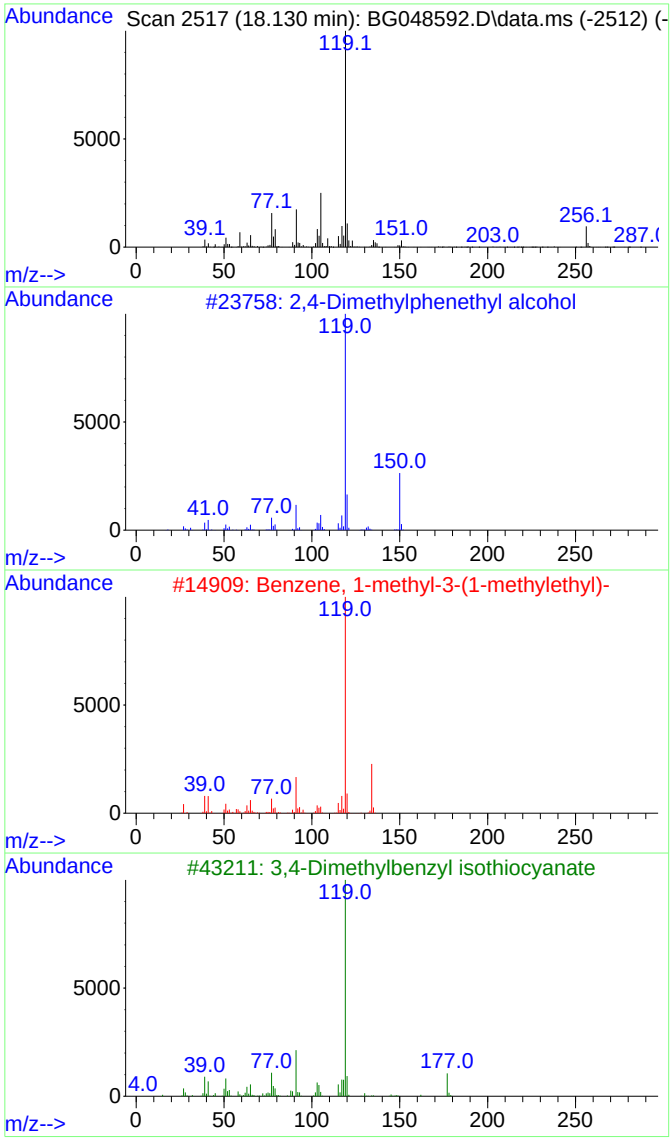
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

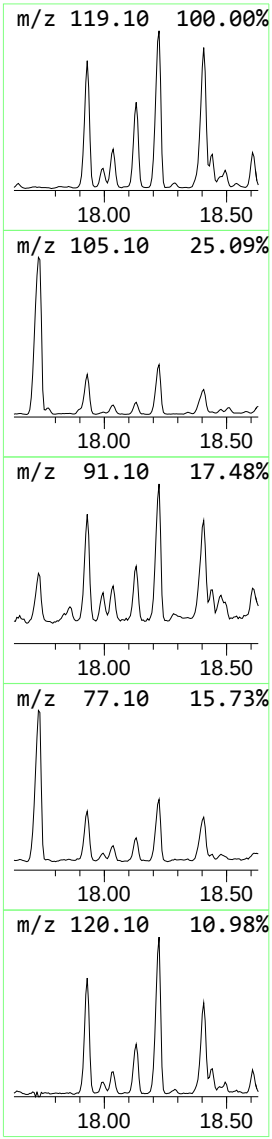
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 2,4-Dimethylphenethyl alcohol Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.130 | 35.37 ng | 2763820 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylphenethyl alcohol | 150 | C10H14O | 006597-59-7 | 72 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 68 |
| 3 | 3,4-Dimethylbenzyl isothiocyanate | 177 | C10H11NS | 206559-59-3 | 64 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 64 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 64 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

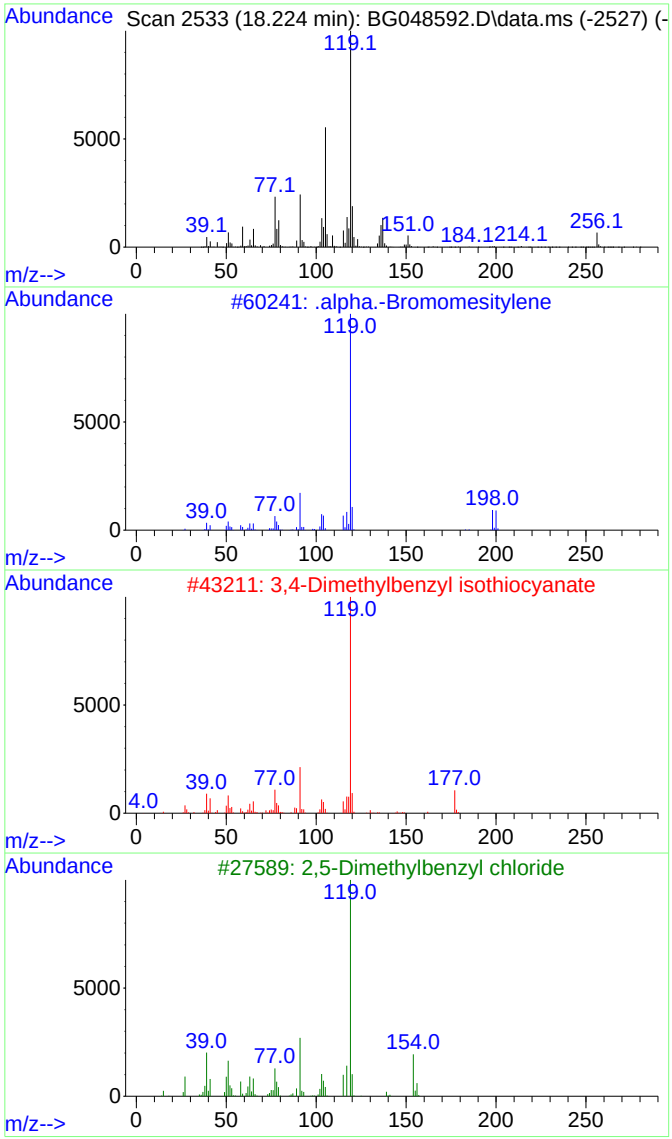
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

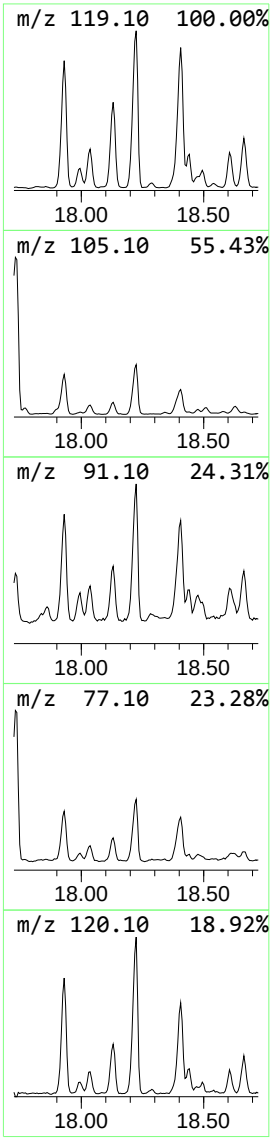
**********

Peak Number 17 .alpha.-Bromomesitylene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.224 | 102.64 ng | 8021160 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Bromomesitylene | 198 | C9H11Br | 027129-86-8 | 68 |
| 2 | 3,4-Dimethylbenzyl isothiocyanate | 177 | C10H11NS | 206559-59-3 | 53 |
| 3 | 2,5-Dimethylbenzyl chloride | 154 | C9H11Cl | 000824-45-3 | 53 |
| 4 | 2,4-Dimethylbenzyl chloride | 154 | C9H11Cl | 000824-55-5 | 50 |
| 5 | Benzene, 1,1'-(1,1,2,2-tetrameth... | 238 | C18H22 | 001889-67-4 | 50 |



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Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
FS-SB-10-26-27

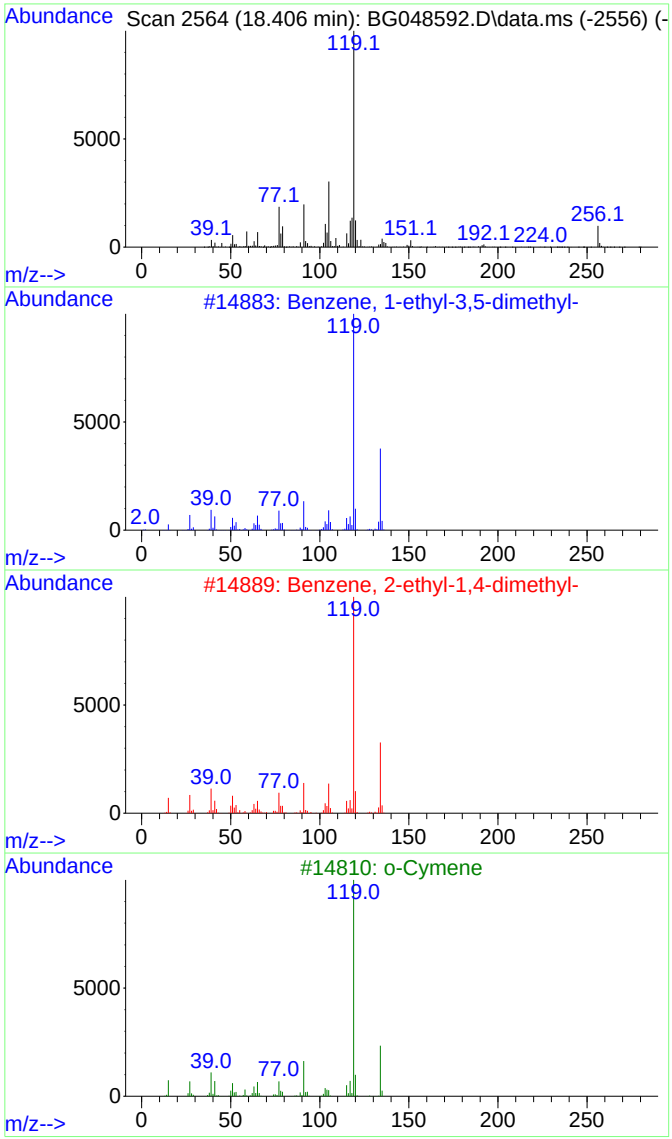
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

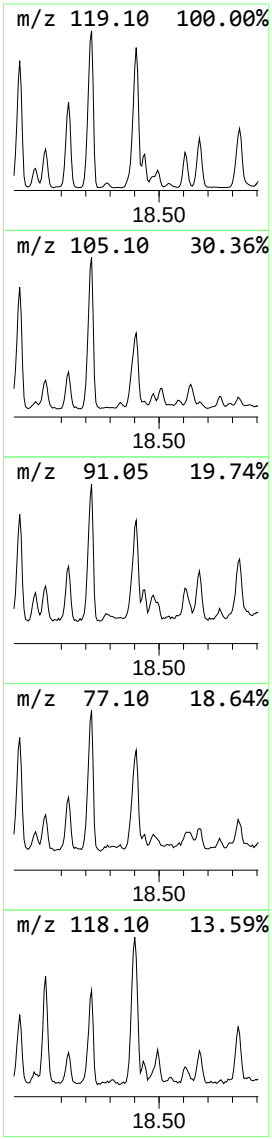
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.406 | 96.96 ng | 7577600 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 59 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 58 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 53 |
| 4 | 2,5-Dimethylbenzyl chloride | 154 | C9H11Cl | 000824-45-3 | 53 |
| 5 | Benzene, 1,1'-(1,1,2,2-tetrameth... | 238 | C18H22 | 001889-67-4 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

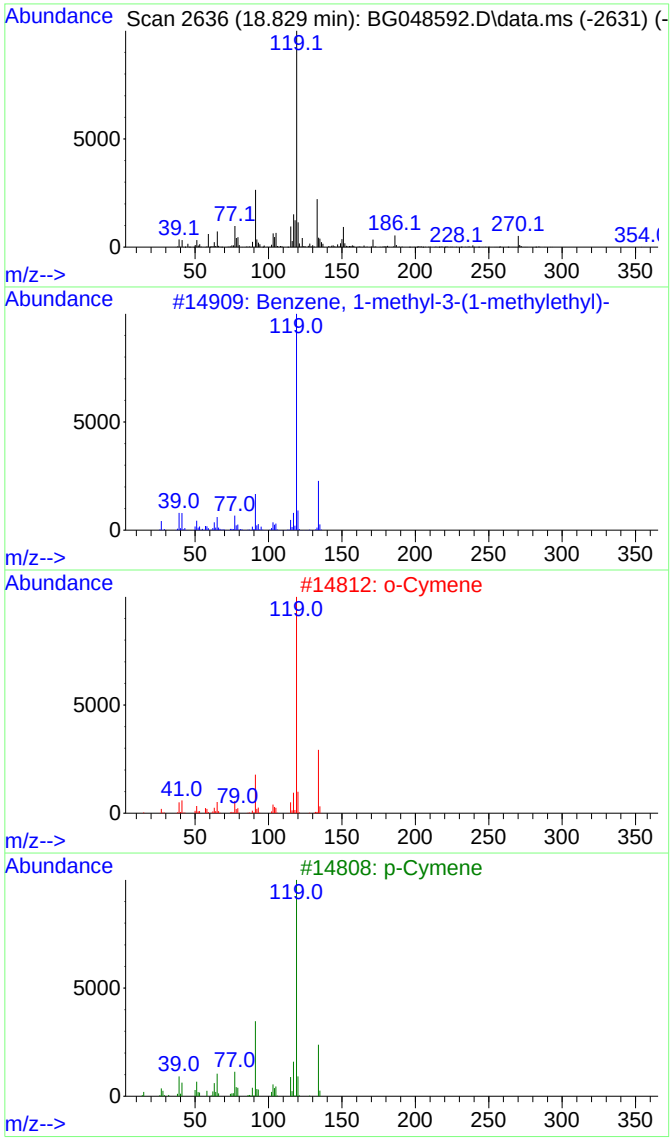
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

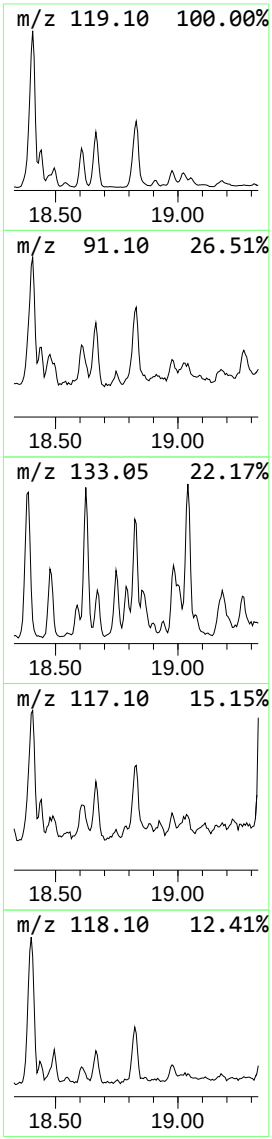
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Benzene, 1-methyl-3-(1-meth... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.829 | 32.94 ng | 2574020 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 64 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 60 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 60 |
| 5 | Benzoic acid, 2,5-dimethyl-, (2,... | 268 | C18H20O2 | 055000-48-1 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

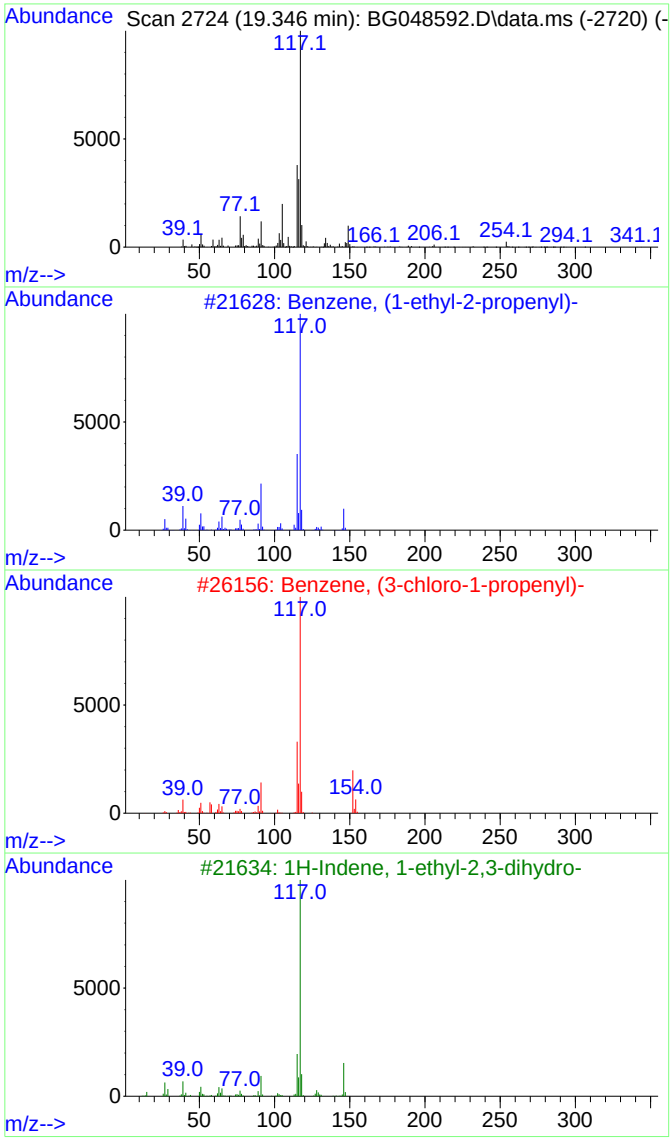
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

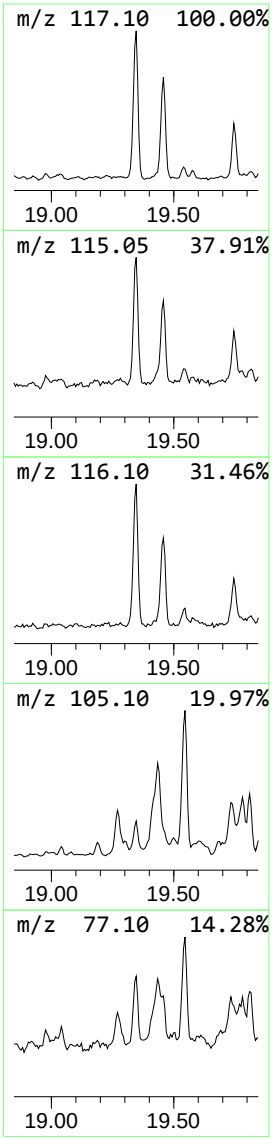
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.346 | 30.01 ng | 2345090 | Phenanthrene-d10 | 17.513 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14 | 019947-22-9 | 52 |
| 2 | Benzene, (3-chloro-1-propenyl)- | 152 | C9H9Cl | 002687-12-9 | 50 |
| 3 | 1H-Indene, 1-ethyl-2,3-dihydro- | 146 | C11H14 | 004830-99-3 | 50 |
| 4 | Benzeneethanol, .beta.-ethenyl- | 148 | C10H12O | 006052-63-7 | 47 |
| 5 | Benzene, 1-(chloromethyl)-4-ethe... | 152 | C9H9Cl | 001592-20-7 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040521\
Data File : BG048592.D
Acq On : 5 Apr 2021 20:40
Operator : CG/JU
Sample : M1909-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FS-SB-10-26-27

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.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-di... | 6.103 | 63.8 | ng | 28516700 | 1 | 8.106 | 8940750 | 20.0 |
| Benzene, 1,2,3-... | 7.783 | 58.6 | ng | 26187100 | 1 | 8.106 | 8940750 | 20.0 |
| Indene | 8.688 | 69.5 | ng | 31065700 | 1 | 8.106 | 8940750 | 20.0 |
| Benzene, 1,2,4,... | 9.810 | 26.3 | ng | 4263480 | 2 | 11.015 | 3238260 | 20.0 |
| 1,4-Dihydronaph... | 10.357 | 87.5 | ng | 14172400 | 2 | 11.015 | 3238260 | 20.0 |
| Benzene, 1-buty... | 10.457 | 54.0 | ng | 8737890 | 2 | 11.015 | 3238260 | 20.0 |
| unknown13.788 | 13.788 | 25.7 | ng | 1820100 | 3 | 14.752 | 1418430 | 20.0 |
| Bicyclo[2.2.2]o... | 14.011 | 43.6 | ng | 3089410 | 3 | 14.752 | 1418430 | 20.0 |
| Naphthalene, 1,... | 14.082 | 46.4 | ng | 3291720 | 3 | 14.752 | 1418430 | 20.0 |
| Ethanone, 1-(2-... | 16.391 | 35.5 | ng | 2773470 | 4 | 17.513 | 1562960 | 20.0 |
| Cyclohexene,3-(... | 16.450 | 30.1 | ng | 2355230 | 4 | 17.513 | 1562960 | 20.0 |
| unknown17.395 | 17.395 | 142.1 | ng | 11100600 | 4 | 17.513 | 1562960 | 20.0 |
| Benzene, 1-(bro... | 17.730 | 169.4 | ng | 13240100 | 4 | 17.513 | 1562960 | 20.0 |
| 2,4-Dimethylphe... | 18.130 | 35.4 | ng | 2763820 | 4 | 17.513 | 1562960 | 20.0 |
| .alpha.-Bromome... | 18.224 | 102.6 | ng | 8021160 | 4 | 17.513 | 1562960 | 20.0 |
| Benzene, 1-ethy... | 18.406 | 97.0 | ng | 7577600 | 4 | 17.513 | 1562960 | 20.0 |
| Benzene, 1-meth... | 18.829 | 32.9 | ng | 2574020 | 4 | 17.513 | 1562960 | 20.0 |
| Benzene, (1-eth... | 19.346 | 30.0 | ng | 2345090 | 4 | 17.513 | 1562960 | 20.0 |