LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

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_P\Methods\8270E-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008484.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.469 | 75 | 82 | 92 | rBV | 163550 | 210833 | 5.20% | 0.769% |
| 2 | 3.728 | 115 | 126 | 133 | rBV2 | 125758 | 218204 | 5.38% | 0.796% |
| 3 | 3.928 | 155 | 160 | 164 | rBV | 75115 | 107129 | 2.64% | 0.391% |
| 4 | 4.228 | 206 | 211 | 215 | rBV | 64497 | 88656 | 2.19% | 0.323% |
| 5 | 4.722 | 290 | 295 | 306 | rBV | 58551 | 108070 | 2.66% | 0.394% |
| 6 | 4.899 | 321 | 325 | 329 | rBV | 72872 | 100167 | 2.47% | 0.365% |
| 7 | 4.946 | 329 | 333 | 348 | rVB2 | 66019 | 130191 | 3.21% | 0.475% |
| 8 | 5.240 | 375 | 383 | 396 | rBV | 589190 | 891943 | 21.99% | 3.253% |
| 9 | 5.369 | 396 | 405 | 406 | rVV | 860177 | 1109403 | 27.35% | 4.046% |
| 10 | 5.393 | 406 | 409 | 424 | rVB | 1095880 | 1615668 | 39.82% | 5.892% |
| 11 | 5.734 | 459 | 467 | 477 | rBV | 382154 | 617832 | 15.23% | 2.253% |
| 12 | 5.816 | 477 | 481 | 485 | rVV | 30365 | 46724 | 1.15% | 0.170% |
| 13 | 6.210 | 540 | 548 | 559 | rBV2 | 74546 | 168083 | 4.14% | 0.613% |
| 14 | 6.404 | 575 | 581 | 590 | rBV2 | 26336 | 48210 | 1.19% | 0.176% |
| 15 | 6.698 | 626 | 631 | 641 | rVB | 154767 | 241083 | 5.94% | 0.879% |
| 16 | 6.810 | 643 | 650 | 655 | rVV | 506916 | 749887 | 18.48% | 2.735% |
| 17 | 6.869 | 655 | 660 | 667 | rVV | 452907 | 672328 | 16.57% | 2.452% |
| 18 | 6.945 | 667 | 673 | 689 | rVB | 532944 | 855786 | 21.09% | 3.121% |
| 19 | 7.110 | 694 | 701 | 712 | rVB | 481020 | 717036 | 17.67% | 2.615% |
| 20 | 7.369 | 738 | 745 | 760 | rVB | 1843647 | 2796285 | 68.93% | 10.198% |
| 21 | 7.722 | 799 | 805 | 817 | rBV | 204806 | 366936 | 9.04% | 1.338% |
| 22 | 7.834 | 817 | 824 | 836 | rVB | 638486 | 995693 | 24.54% | 3.631% |
| 23 | 8.092 | 861 | 868 | 879 | rVB | 418255 | 669071 | 16.49% | 2.440% |
| 24 | 8.210 | 882 | 888 | 893 | rBV | 39826 | 68705 | 1.69% | 0.251% |
| 25 | 8.269 | 893 | 898 | 905 | rVB2 | 72896 | 121543 | 3.00% | 0.443% |
| 26 | 8.357 | 908 | 913 | 919 | rBV | 145836 | 231679 | 5.71% | 0.845% |
| 27 | 8.522 | 935 | 941 | 946 | rBV | 31322 | 53364 | 1.32% | 0.195% |
| 28 | 8.675 | 960 | 967 | 971 | rBV | 83259 | 124617 | 3.07% | 0.454% |
| 29 | 8.728 | 971 | 976 | 987 | rVV2 | 75740 | 157684 | 3.89% | 0.575% |
| 30 | 8.828 | 987 | 993 | 1000 | rVV | 190234 | 332775 | 8.20% | 1.214% |
| 31 | 8.898 | 1000 | 1005 | 1017 | rVB | 162924 | 294521 | 7.26% | 1.074% |
| 32 | 9.157 | 1043 | 1049 | 1057 | rBV | 43393 | 74872 | 1.85% | 0.273% |
| 33 | 9.351 | 1076 | 1082 | 1087 | rBV | 89113 | 139809 | 3.45% | 0.510% |
| 34 | 9.410 | 1087 | 1092 | 1101 | rVB | 135305 | 214235 | 5.28% | 0.781% |
| 35 | 9.528 | 1101 | 1112 | 1119 | rBV3 | 46301 | 99149 | 2.44% | 0.362% |
| 36 | 9.769 | 1138 | 1153 | 1163 | rBV | 142702 | 287440 | 7.09% | 1.048% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

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_P\Methods\8270E-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 9.916 | 1167 | 1178 | 1186 | rBV2 | 204043 | 380905 | 9.39% | 1.389% |
| 38 | 10.145 | 1213 | 1217 | 1223 | rVB2 | 24567 | 41528 | 1.02% | 0.151% |
| 39 | 10.516 | 1274 | 1280 | 1284 | rVV | 271932 | 476807 | 11.75% | 1.739% |
| 40 | 10.569 | 1284 | 1289 | 1296 | rVV | 581532 | 984849 | 24.28% | 3.592% |
| 41 | 10.686 | 1304 | 1309 | 1315 | rBV | 38821 | 62985 | 1.55% | 0.230% |
| 42 | 10.998 | 1355 | 1362 | 1371 | rVB2 | 51680 | 102365 | 2.52% | 0.373% |
| 43 | 11.169 | 1382 | 1391 | 1401 | rBV4 | 93767 | 242208 | 5.97% | 0.883% |
| 44 | 11.439 | 1423 | 1437 | 1444 | rBV3 | 27817 | 63151 | 1.56% | 0.230% |
| 45 | 11.528 | 1446 | 1452 | 1459 | rBV3 | 19921 | 42137 | 1.04% | 0.154% |
| 46 | 11.698 | 1475 | 1481 | 1486 | rVV3 | 26352 | 60529 | 1.49% | 0.221% |
| 47 | 11.757 | 1486 | 1491 | 1498 | rVB3 | 33025 | 71060 | 1.75% | 0.259% |
| 48 | 11.933 | 1512 | 1521 | 1531 | rBV2 | 73981 | 164305 | 4.05% | 0.599% |
| 49 | 12.186 | 1557 | 1564 | 1574 | rBV | 206942 | 346752 | 8.55% | 1.265% |
| 50 | 12.410 | 1592 | 1602 | 1613 | rBV2 | 118121 | 251413 | 6.20% | 0.917% |
| 51 | 12.998 | 1695 | 1702 | 1713 | rVB | 181732 | 287849 | 7.10% | 1.050% |
| 52 | 13.216 | 1731 | 1739 | 1743 | rBV6 | 18759 | 46698 | 1.15% | 0.170% |
| 53 | 14.380 | 1930 | 1937 | 1946 | rBV | 404716 | 623787 | 15.38% | 2.275% |
| 54 | 15.892 | 2188 | 2194 | 2207 | rBV | 132810 | 256528 | 6.32% | 0.936% |
| 55 | 17.145 | 2401 | 2407 | 2418 | rBV | 510465 | 776726 | 19.15% | 2.833% |
| 56 | 19.721 | 2840 | 2845 | 2854 | rBV | 337410 | 425999 | 10.50% | 1.554% |
| 57 | 21.256 | 3101 | 3106 | 3114 | rBV | 705555 | 974627 | 24.02% | 3.554% |
| 58 | 21.368 | 3120 | 3125 | 3147 | rBV | 2660309 | 4056923 | 100.00% | 14.795% |
| 59 | 23.627 | 3502 | 3509 | 3518 | rVB2 | 444456 | 955227 | 23.55% | 3.484% |

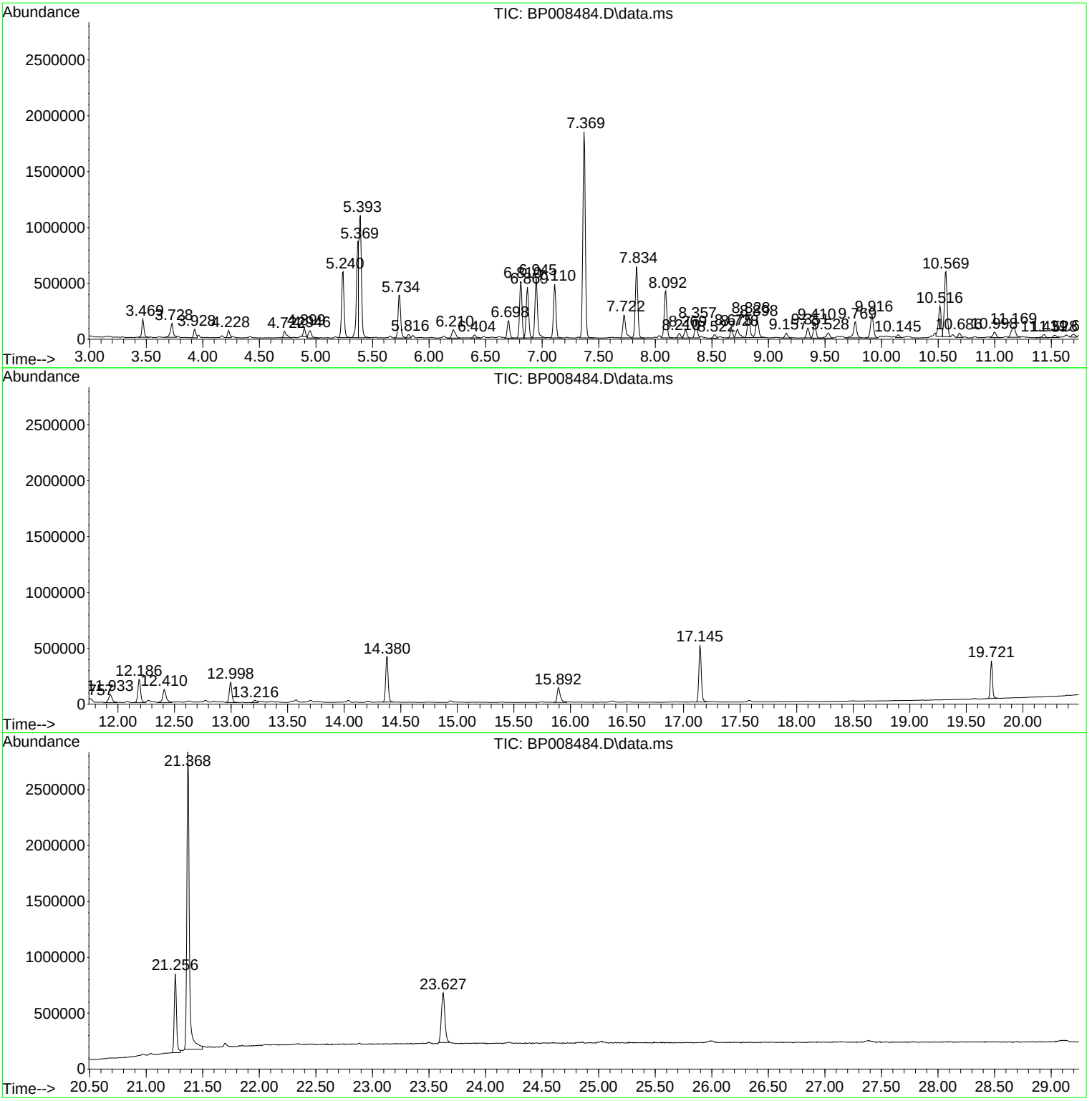
Sum of corrected areas: 27420969

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

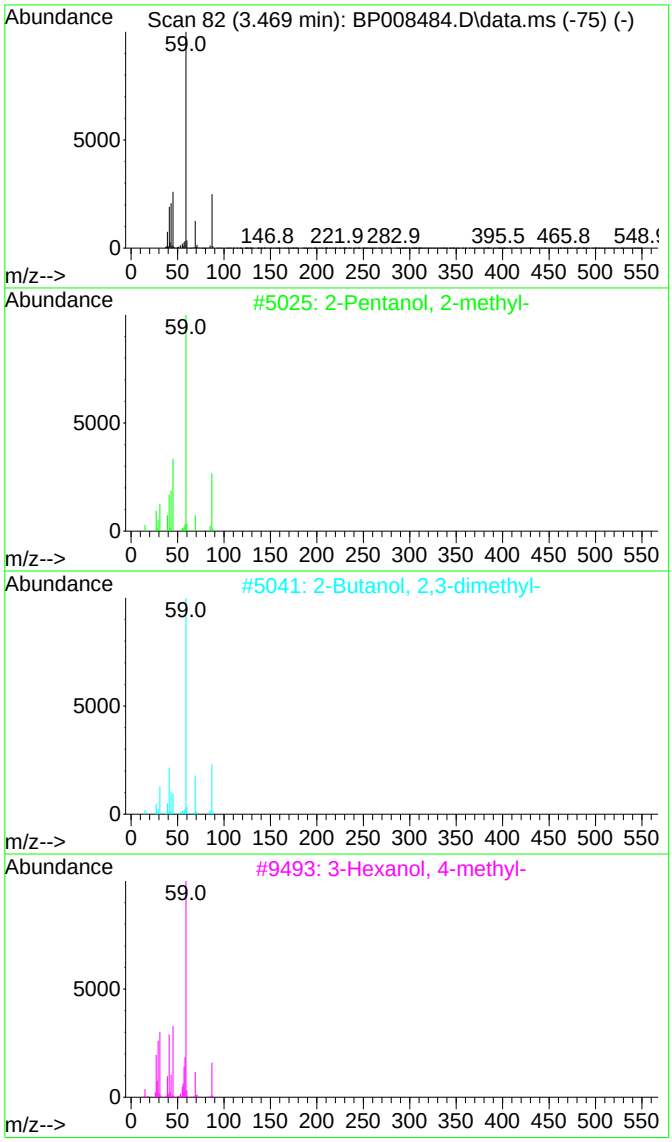
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

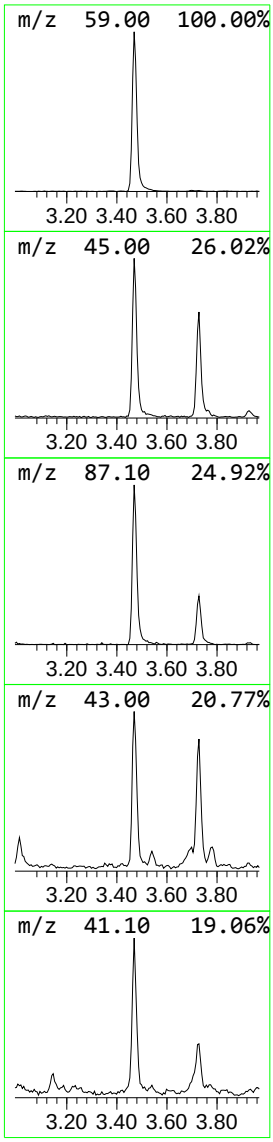
**********

Peak Number 1 2-Pentanol, 2-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.469 | 11.49 ng | 210833 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanol, 2-methyl- | 102 | C6H14O | 000590-36-3 | 78 |
| 2 | 2-Butanol, 2,3-dimethyl- | 102 | C6H14O | 000594-60-5 | 59 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 56 |
| 4 | 2-Butanone, 3-ethoxy-3-methyl- | 130 | C7H14O2 | 036687-99-7 | 42 |
| 5 | Pentane, 2-methoxy- | 102 | C6H14O | 006795-88-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

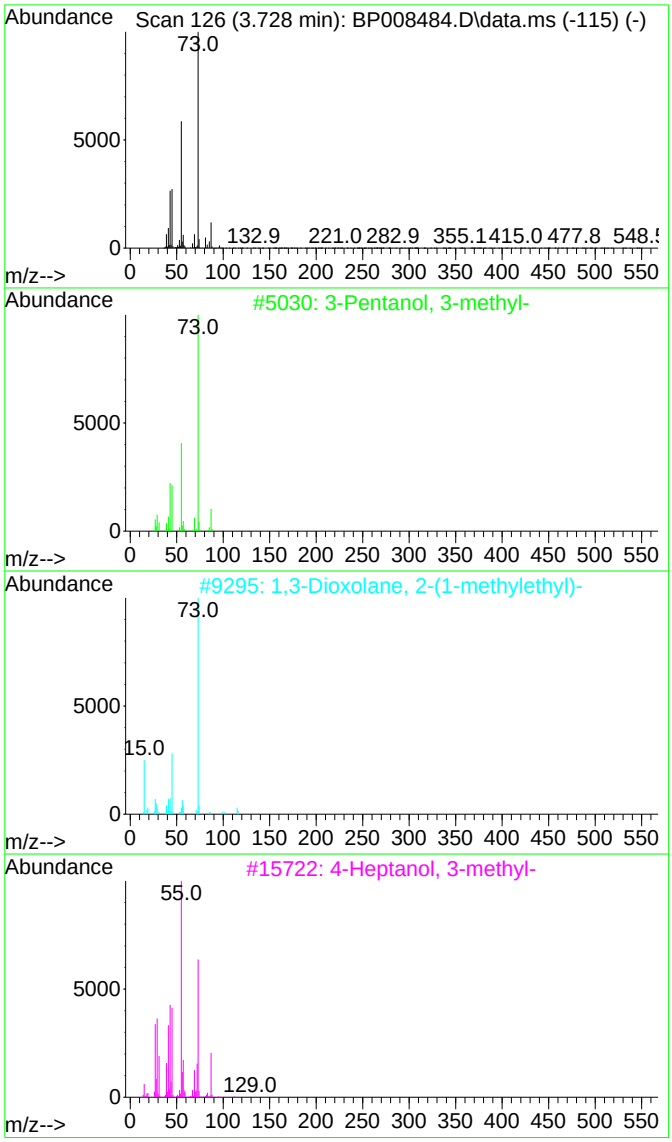
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

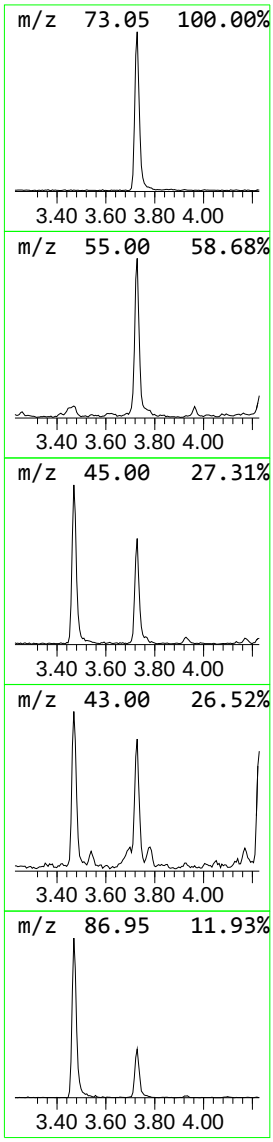
**********

Peak Number 2 3-Pentanol, 3-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.728 | 11.89 ng | 218204 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 72 |
| 2 | 1,3-Dioxolane, 2-(1-methylethyl)- | 116 | C6H12O2 | 000822-83-3 | 38 |
| 3 | 4-Heptanol, 3-methyl- | 130 | C8H18O | 001838-73-9 | 38 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 5 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 37 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

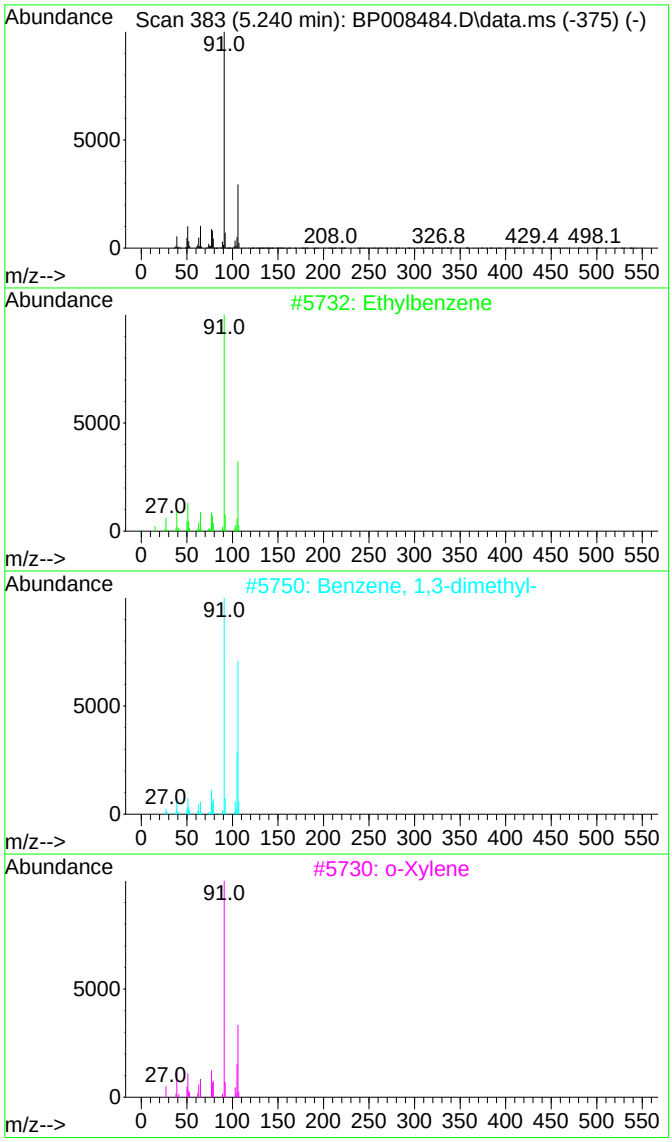
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

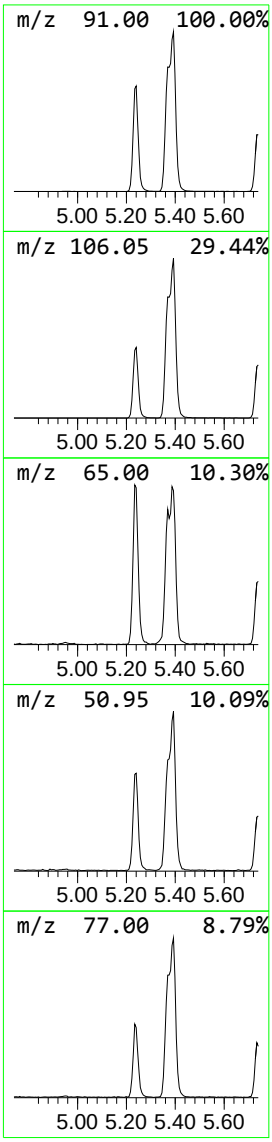
**********

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.240 | 48.62 ng | 891943 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 94 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 86 |
| 3 | o-Xylene | 106 | C8H10 | 000095-47-6 | 80 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 64 |
| 5 | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10 | 002175-91-9 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

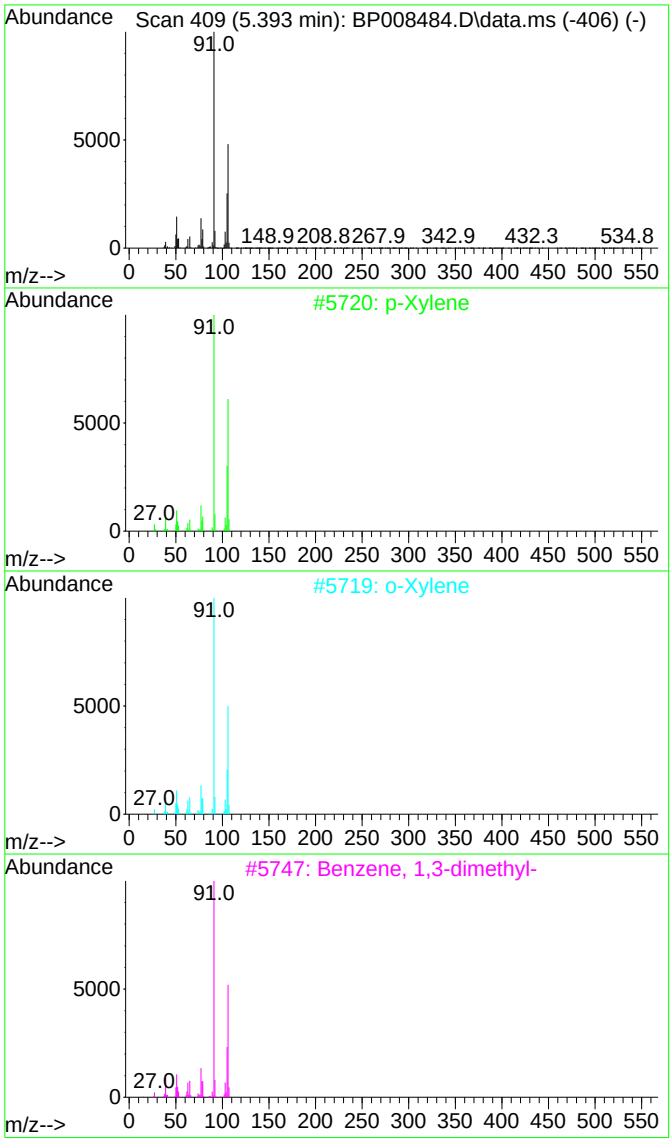
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

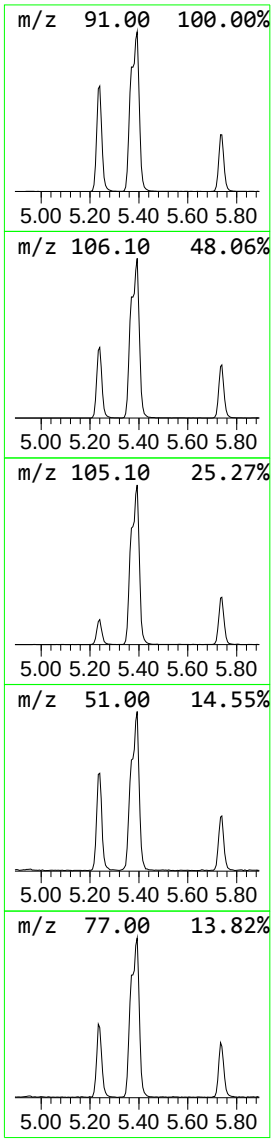
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 1,3-Cyclopentadiene, 5-(1-m... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.393 | 88.06 ng | 1615670 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |
| 2 | o-Xylene | 106 | C8H10 | 000095-47-6 | 91 |
| 3 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 91 |
| 4 | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10 | 002175-91-9 | 78 |
| 5 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

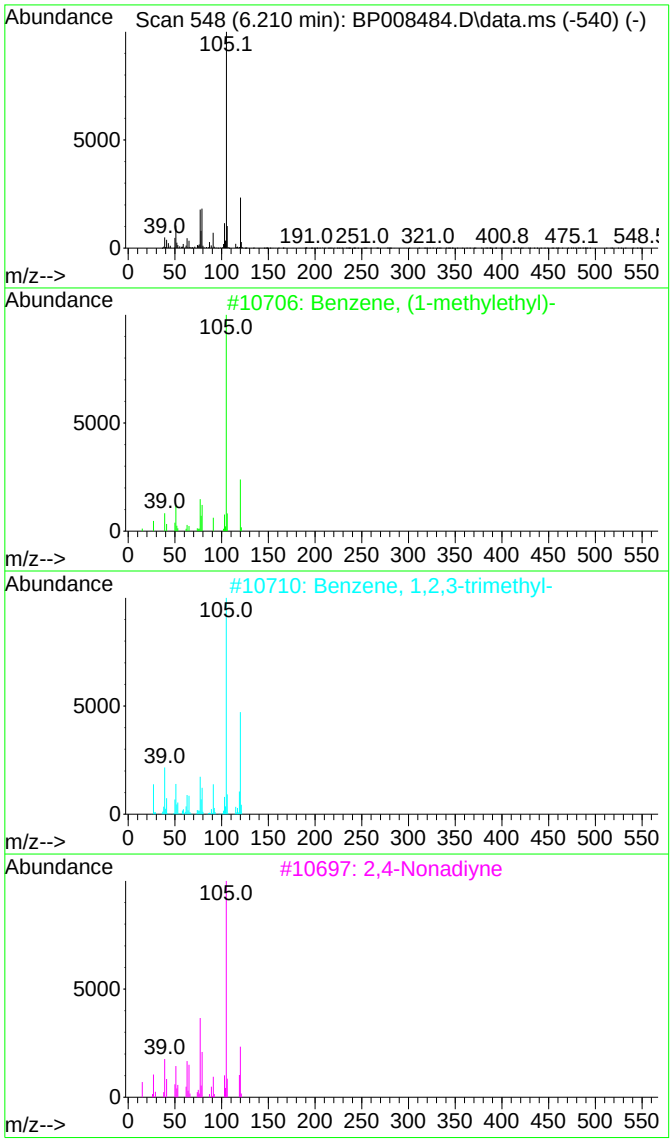
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

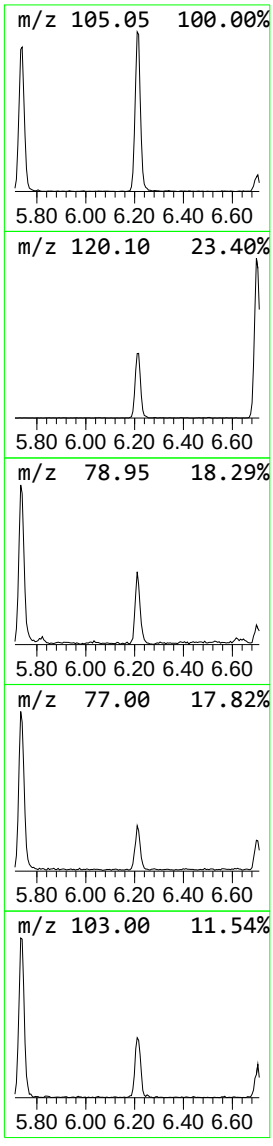
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, (1-methylethyl)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.210 | 9.16 ng | 168083 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 94 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 3 | 2,4-Nonadiyne | 120 | C9H12 | 063621-15-8 | 80 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 80 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

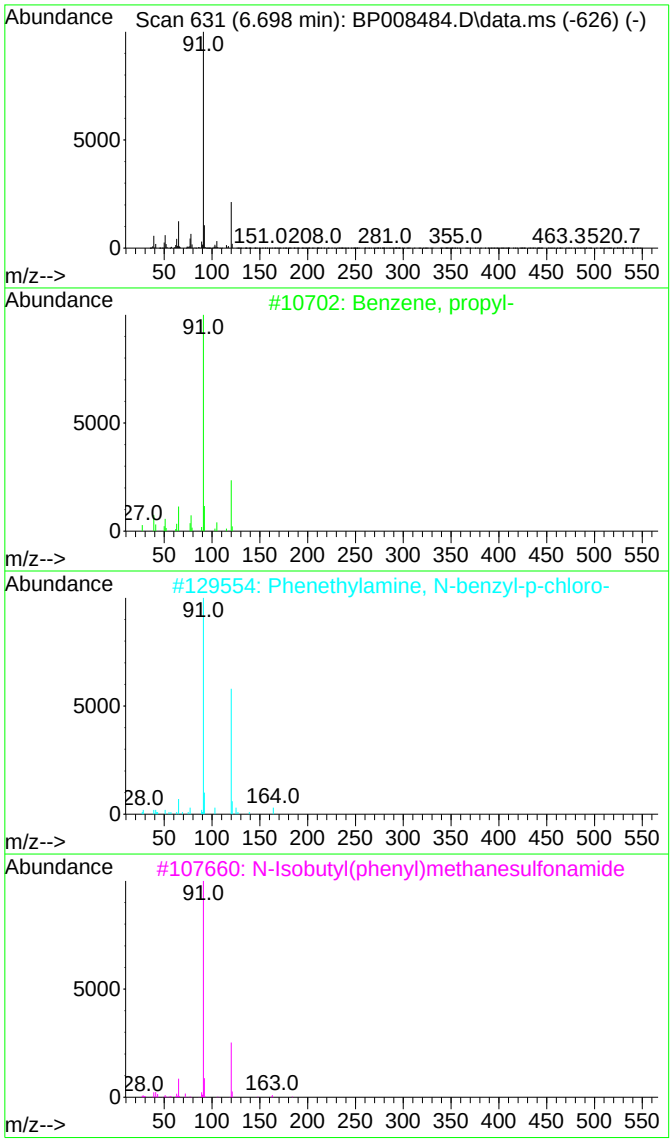
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

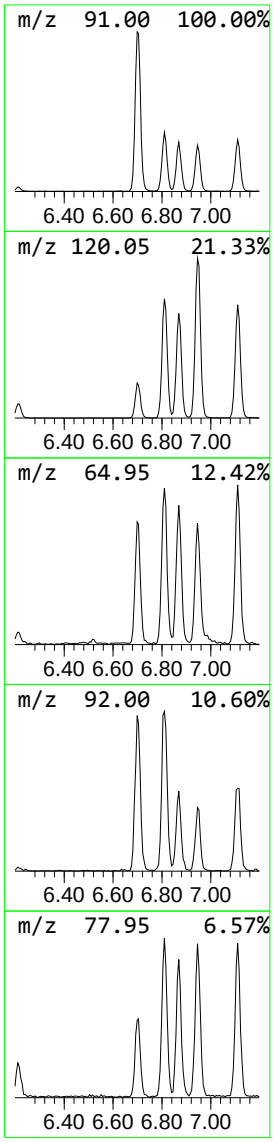
**********

Peak Number 7 Benzene, propyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.698 | 13.14 ng | 241083 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 94 |
| 2 | Phenethylamine, N-benzyl-p-chloro- | 245 | C15H16ClN | 013622-43-0 | 78 |
| 3 | N-Isobutyl(phenyl)methanesulfona... | 227 | C11H17NO2S | 144615-94-1 | 72 |
| 4 | Benzeneacetaldehyde | 120 | C8H8O | 000122-78-1 | 62 |
| 5 | 1-hexanol, 6-[(phenylmethyl)amino]- | 207 | C13H21NO | 1000400-55-6 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

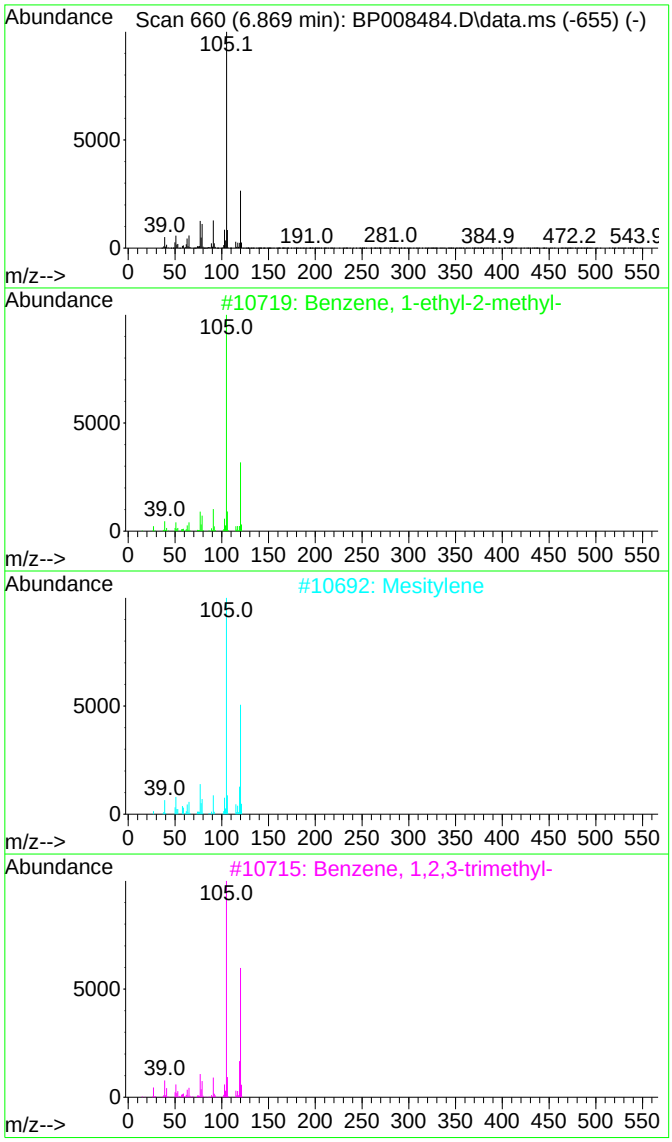
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

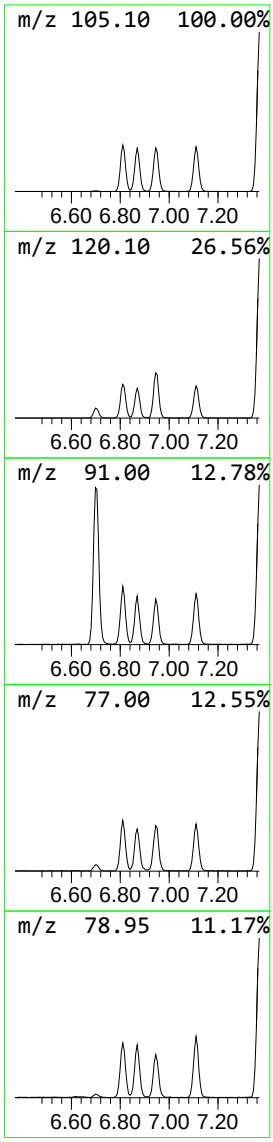
**********

Peak Number 9 Mesitylene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.869 | 36.65 ng | 672328 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

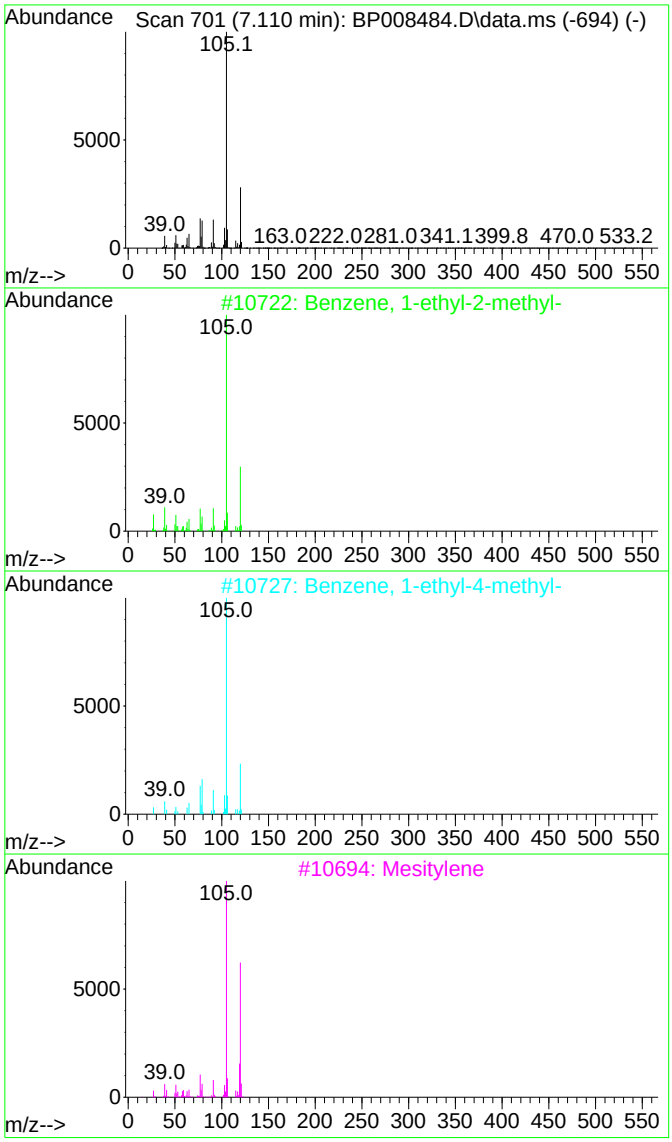
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

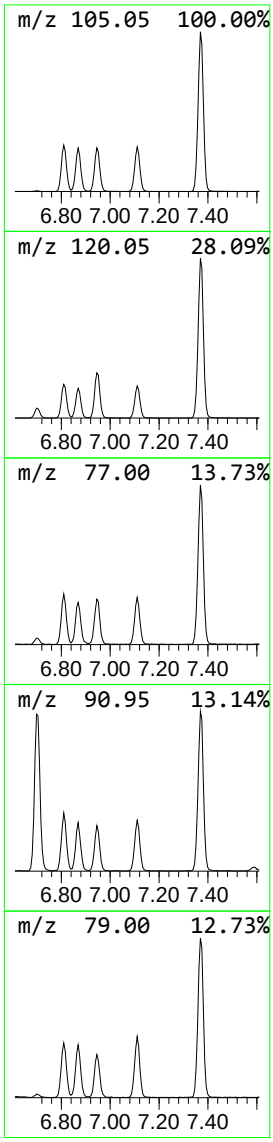
**********

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.110 | 39.08 ng | 717036 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 93 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

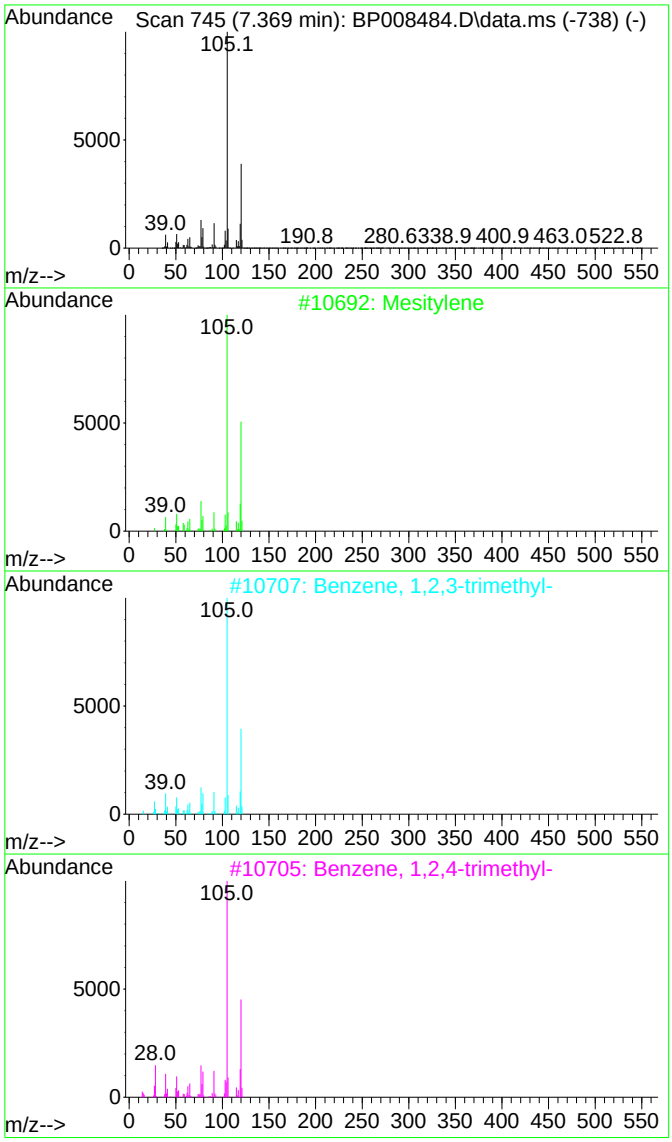
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

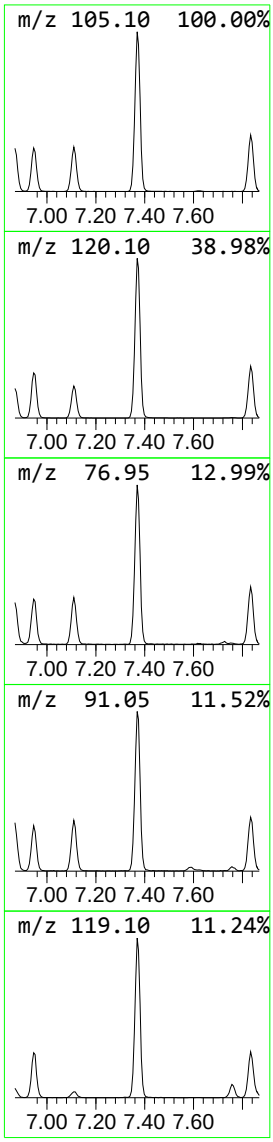
**********

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.369 | 152.41 ng | 2796290 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

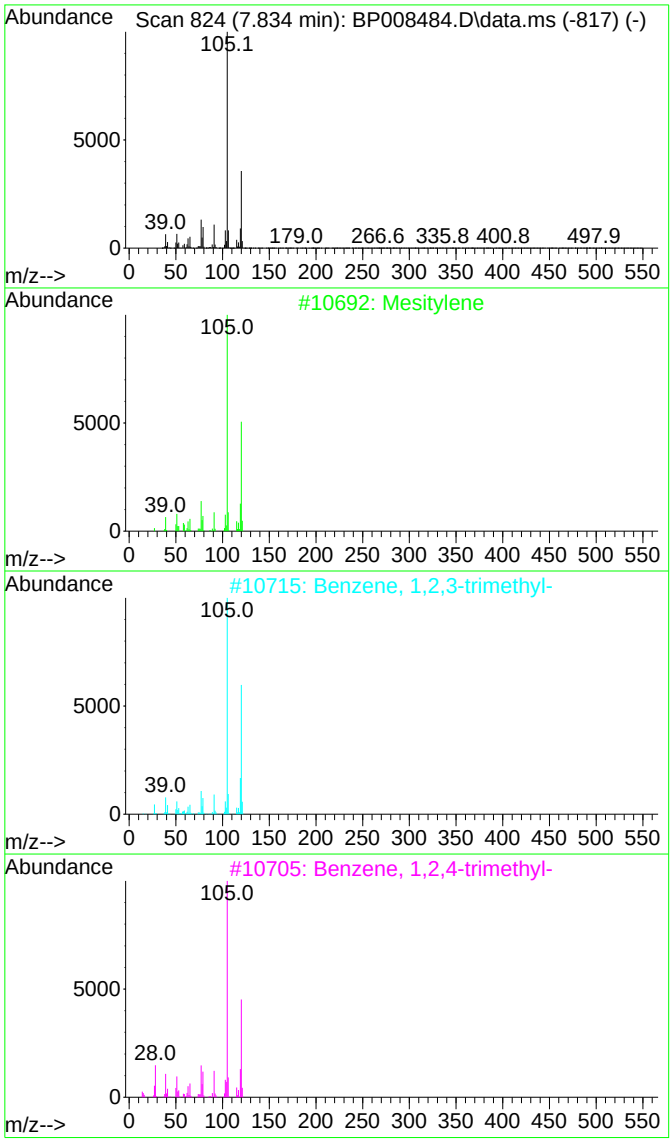
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

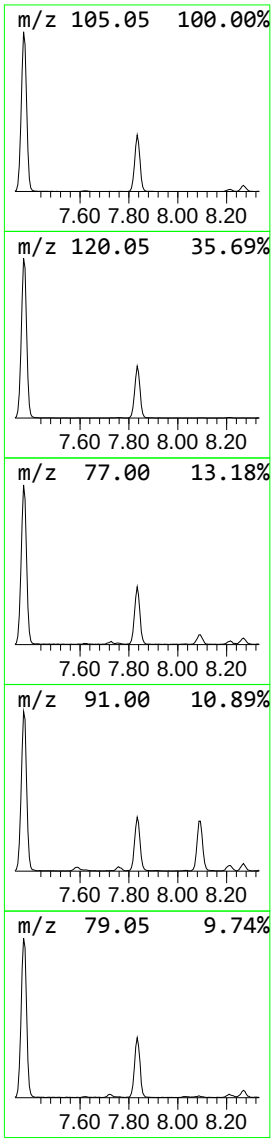
**********

Peak Number 12 Benzene, 1,2,4-trimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.834 | 54.27 ng | 995693 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 95 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

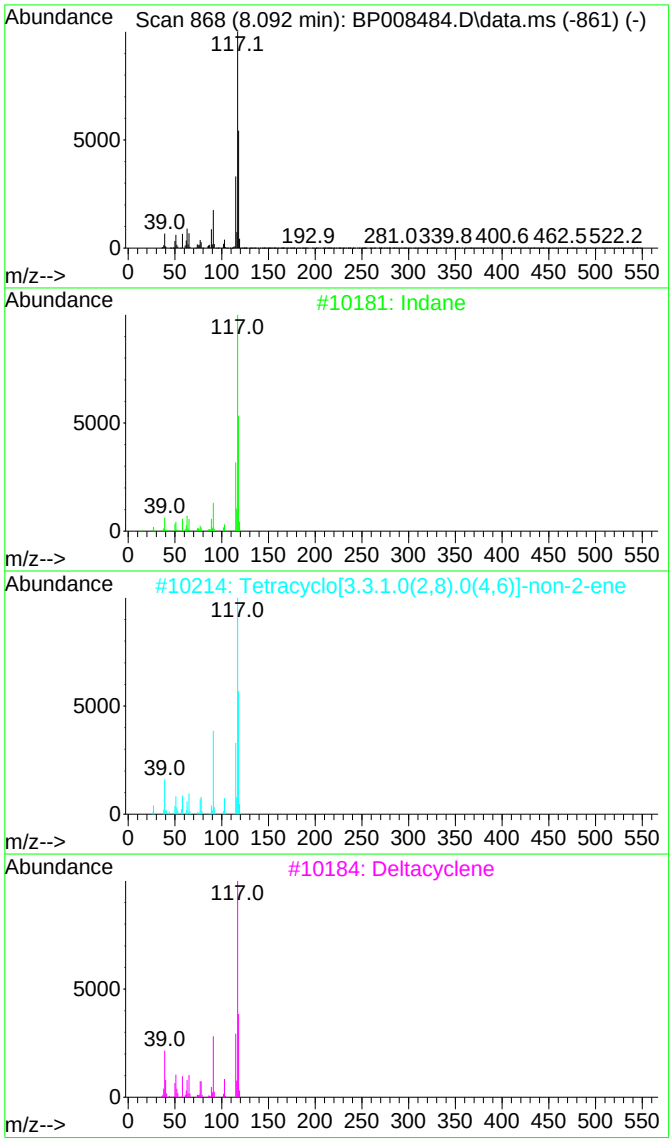
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

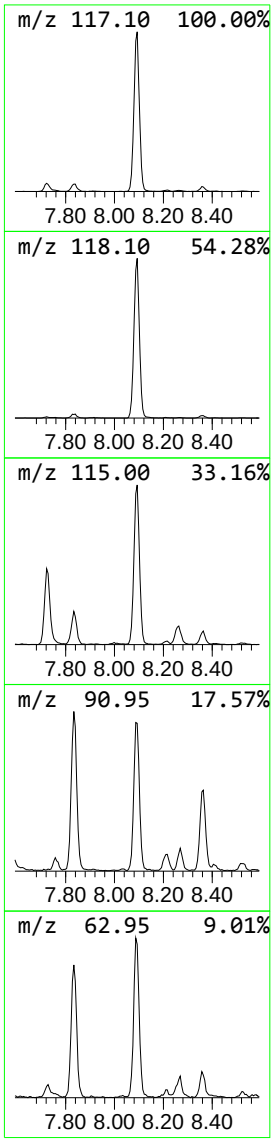
**********

Peak Number 13 Indane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.092 | 36.47 ng | 669071 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 2 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 80 |
| 3 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 68 |
| 4 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 64 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

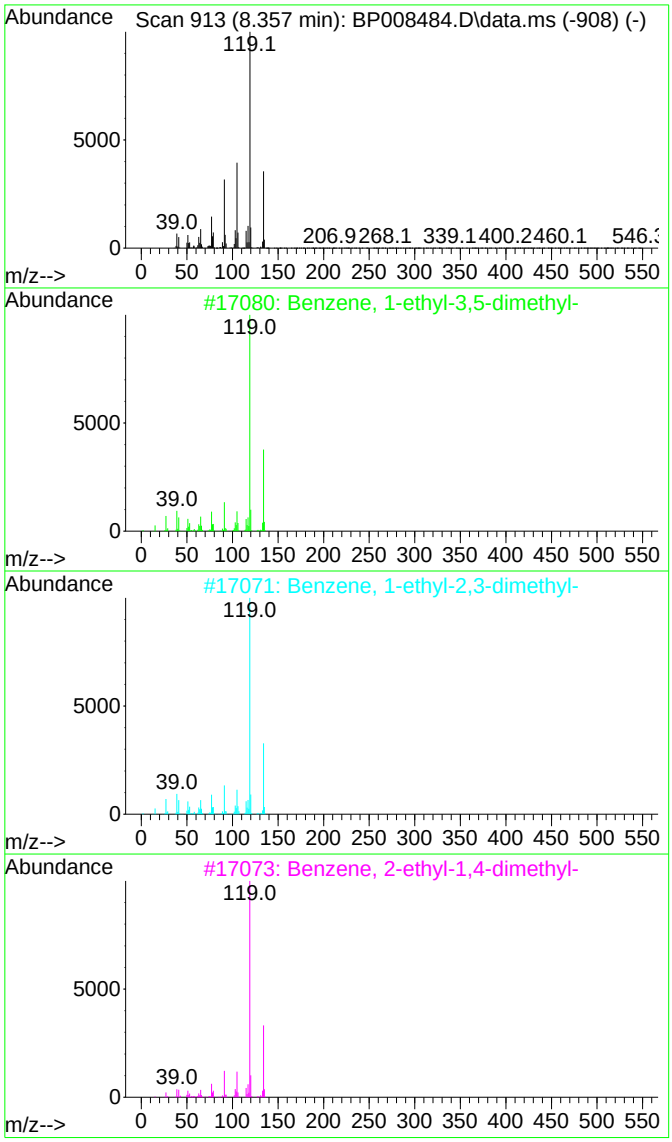
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

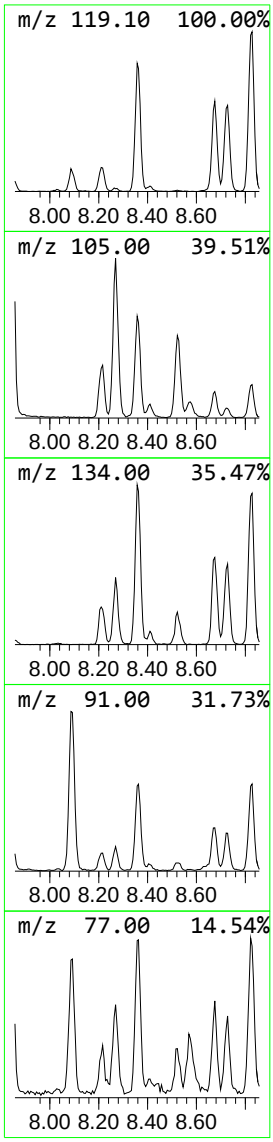
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.357 | 12.63 ng | 231679 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 95 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 94 |
| 3 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

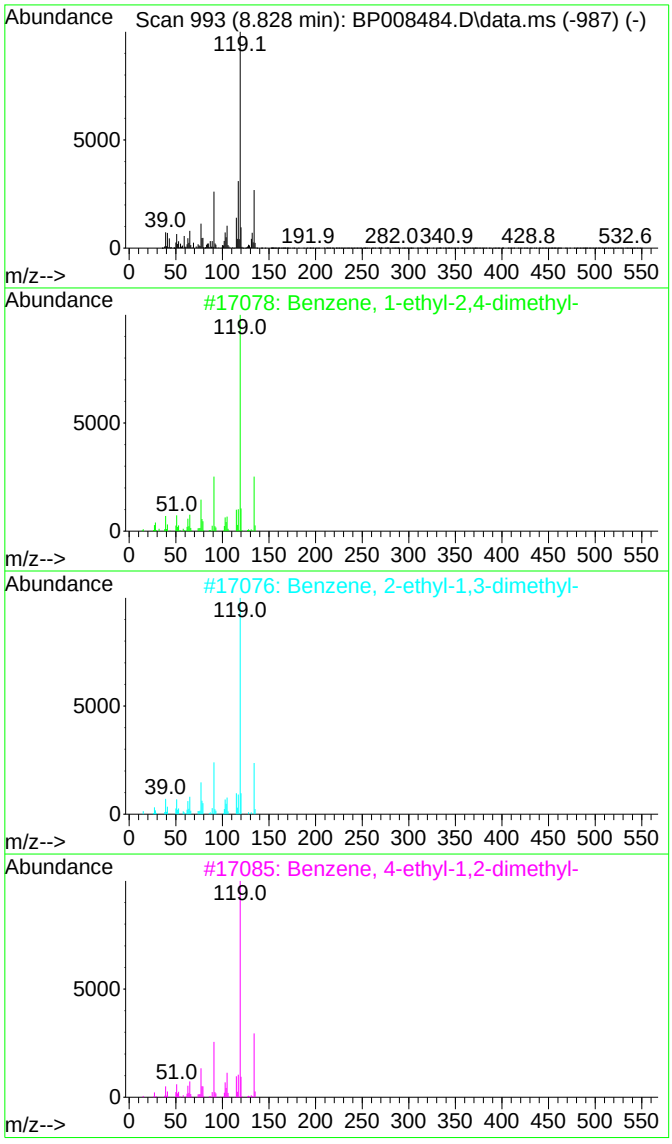
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

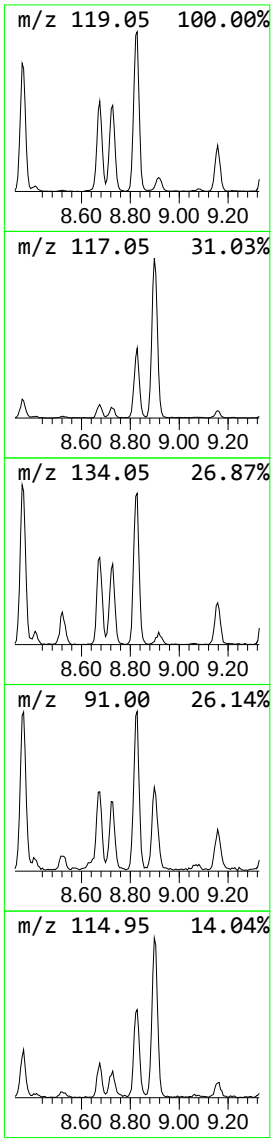
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.828 | 18.14 ng | 332775 | 1,4-Dichlorobenzene-d4 | 7.722 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 2 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 94 |
| 3 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 93 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 83 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

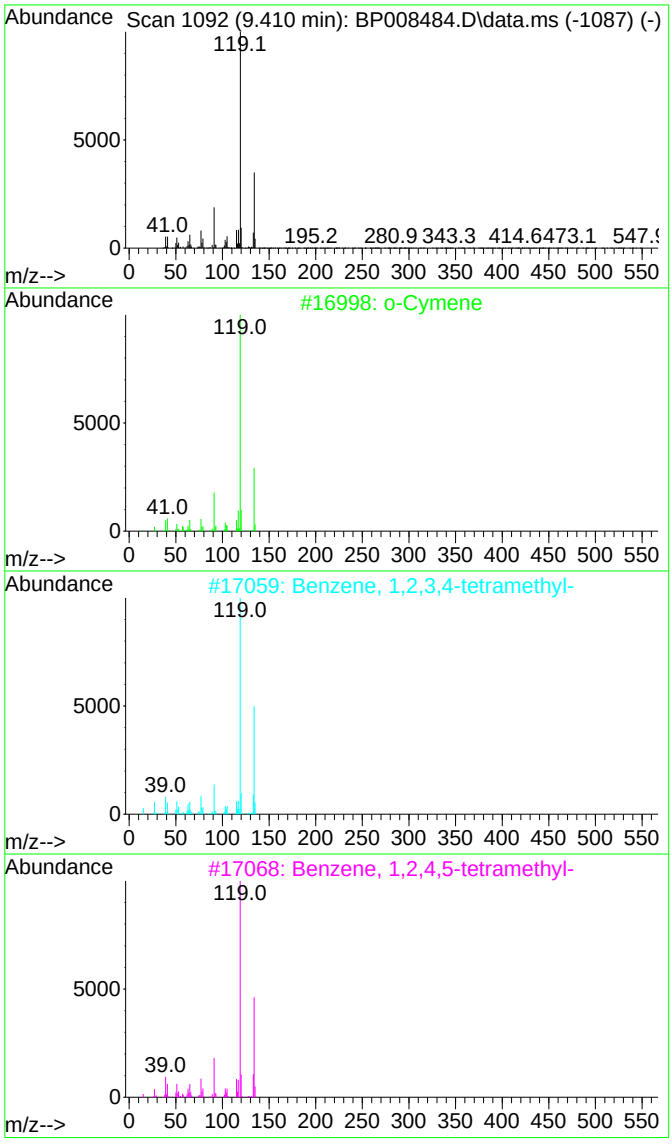
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

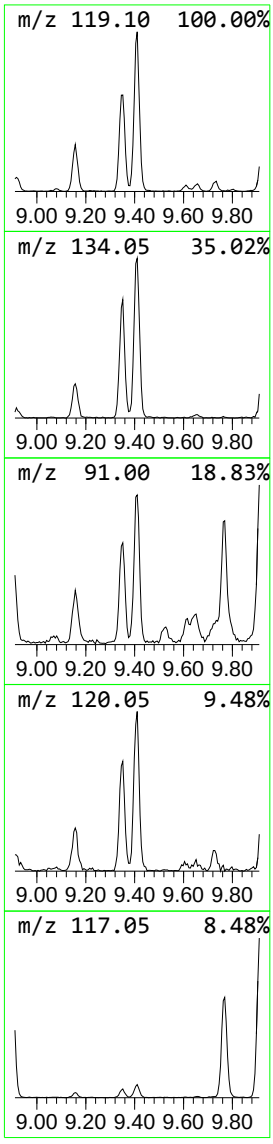
**********

Peak Number 16 o-Cymene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.410 | 8.99 ng | 214235 | Naphthalene-d8 | 10.516 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 95 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

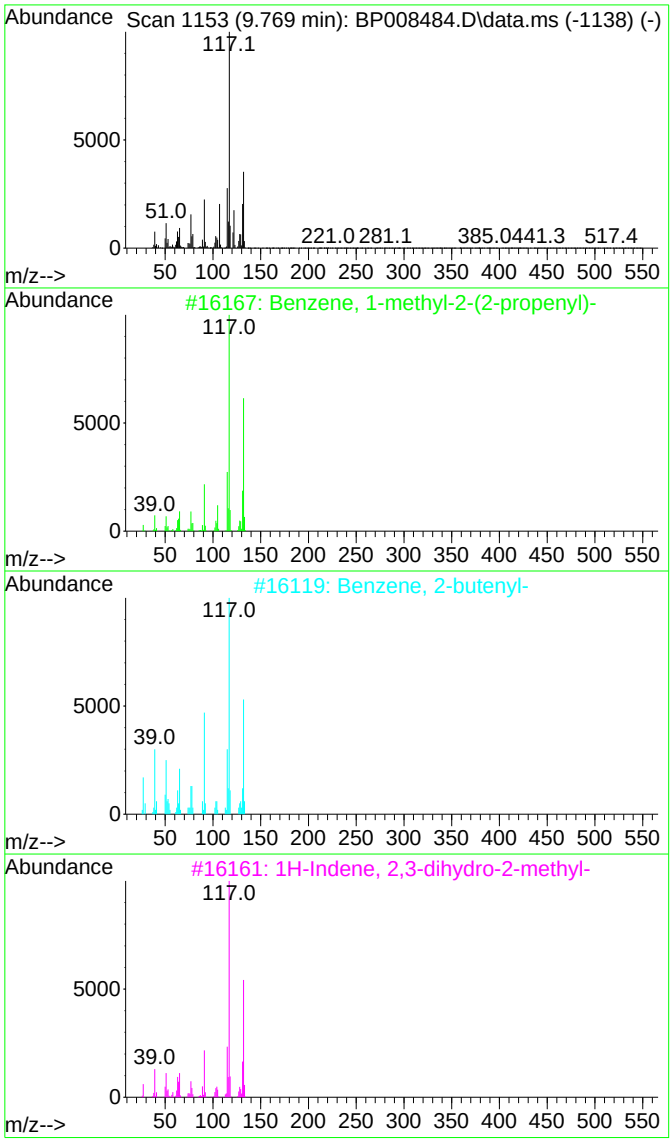
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

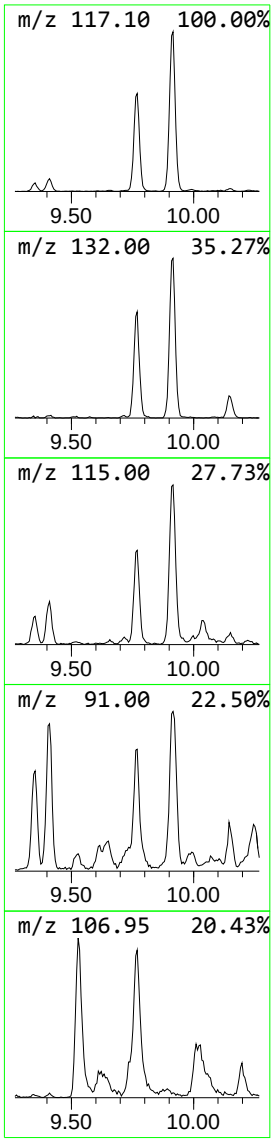
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 1-methyl-2-(2-prop... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.769 | 12.06 ng | 287440 | Naphthalene-d8 | 10.516 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 76 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 76 |
| 3 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 76 |
| 4 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 76 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

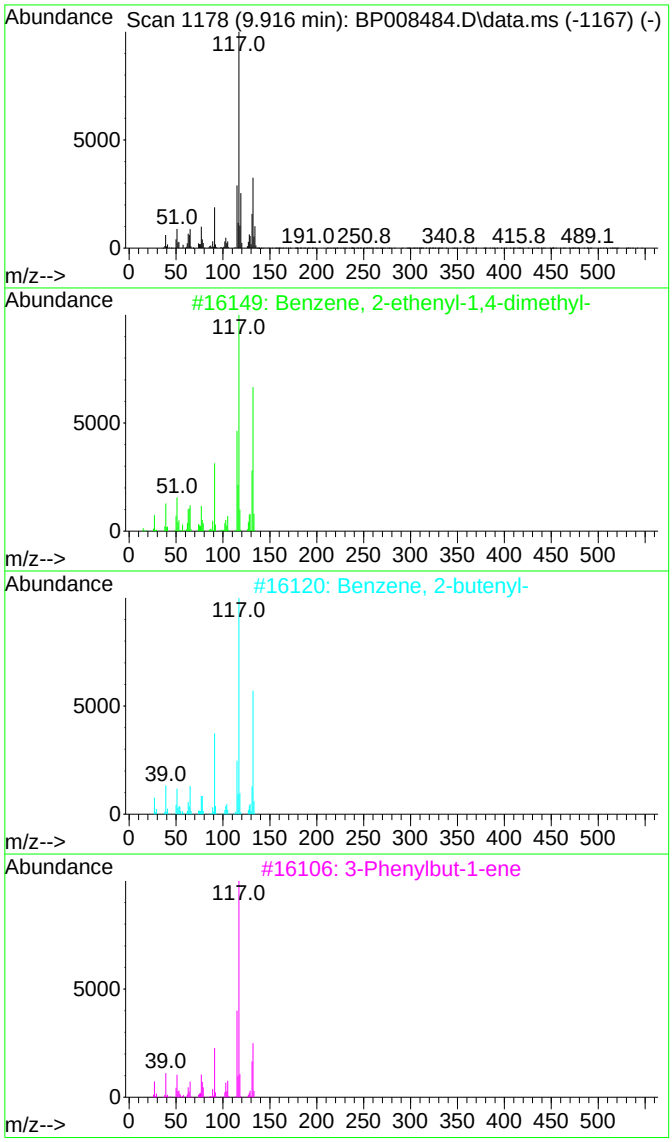
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

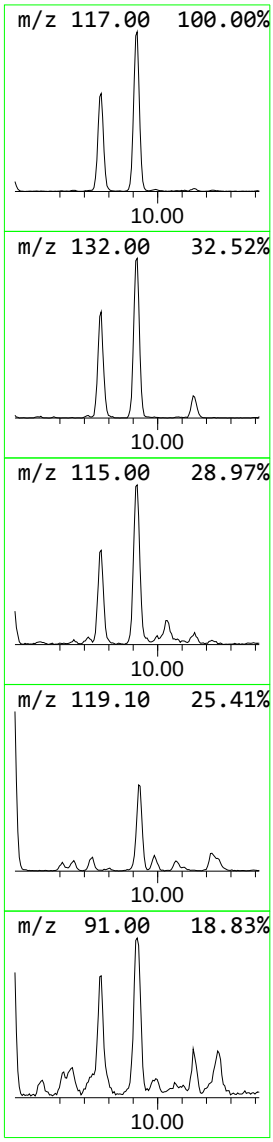
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.916 | 15.98 ng | 380905 | Naphthalene-d8 | 10.516 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 90 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 87 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

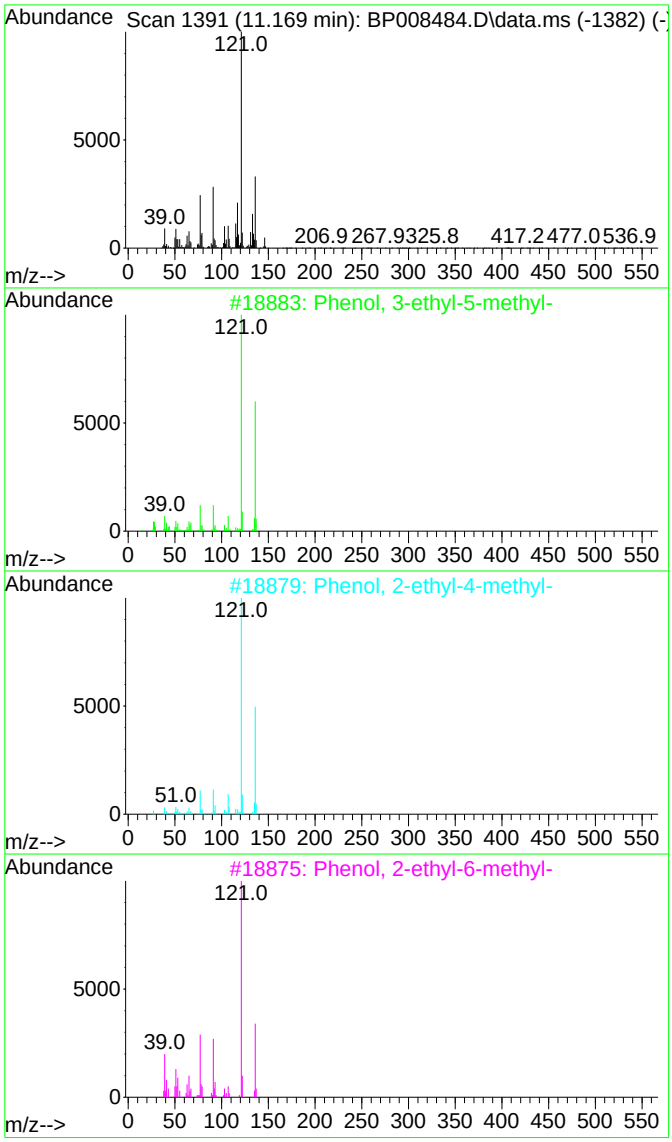
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

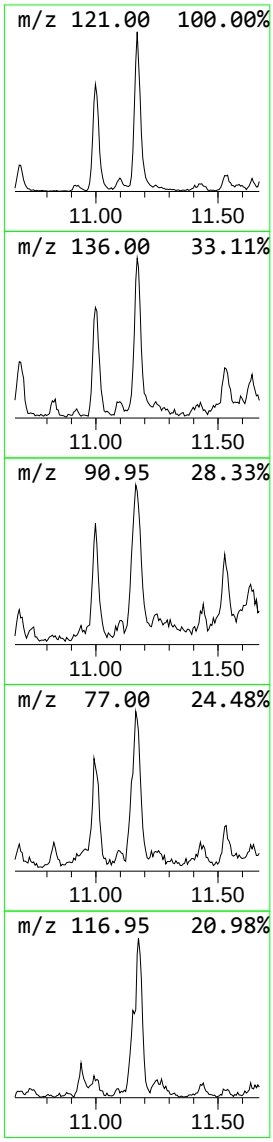
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 Phenol, 3-ethyl-5-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.169 | 10.16 ng | 242208 | Naphthalene-d8 | 10.516 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 72 |
| 2 | Phenol, 2-ethyl-4-methyl- | 136 | C9H12O | 003855-26-3 | 68 |
| 3 | Phenol, 2-ethyl-6-methyl- | 136 | C9H12O | 001687-64-5 | 68 |
| 4 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 64 |
| 5 | Phenol, 2-(1-methylethyl)- | 136 | C9H12O | 000088-69-7 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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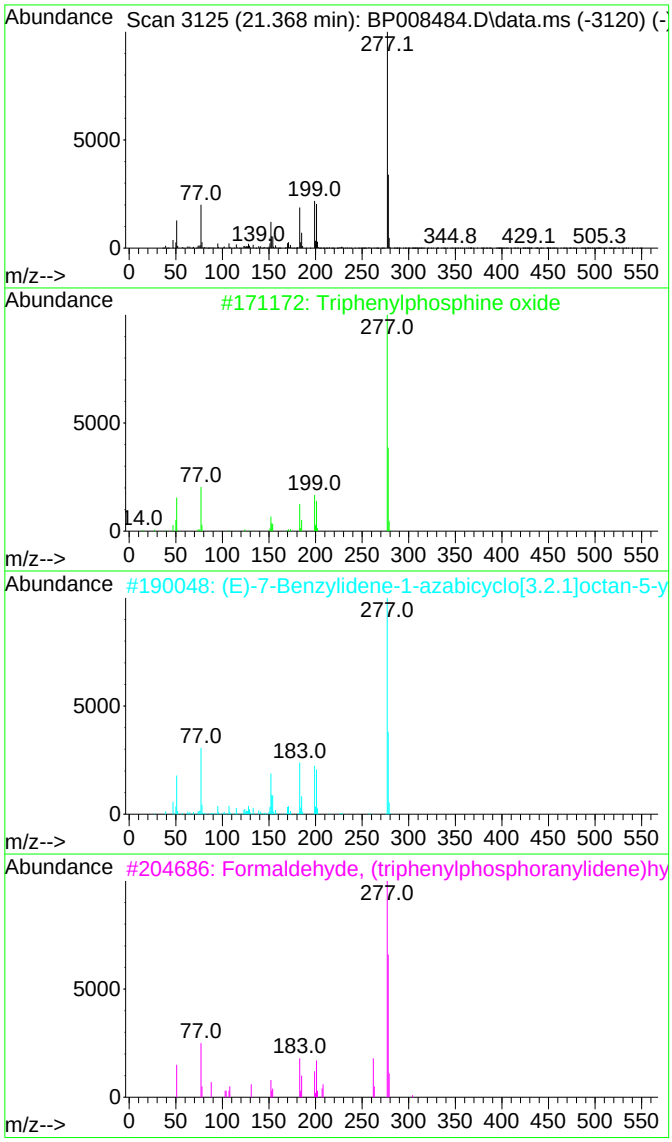
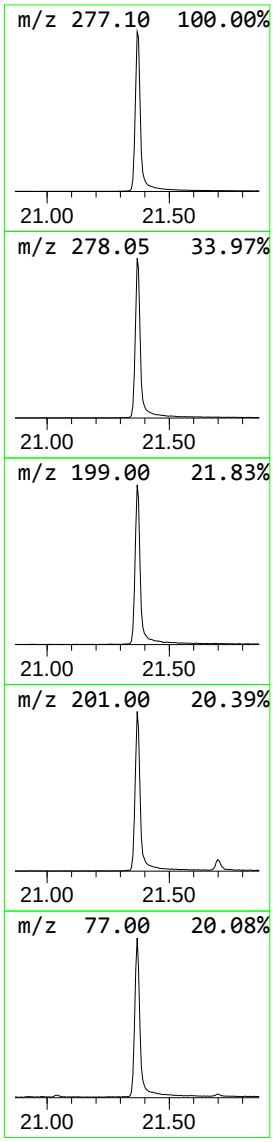
Peak Number 20 Triphenylphosphine oxide Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.368 | 83.25 ng | 4056920 | Chrysene-d12 | 21.256 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 97 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 58 |
| 3 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 32 |
| 4 | 5-Methyl-8-phenylfuro[3',2':5,6]... | 277 | C16H11N3O2 | 1000460-07-9 | 28 |
| 5 | 1H-Indole-3-acetic acid, 5-[(tri... | 277 | C14H19NO3Si | 072101-35-0 | 17 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
Data File : BP008484.D
Acq On : 17 Dec 2021 22:25
Operator : CG/JU
Sample : M5039-09 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-29

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanol, 2-m... | 3.469 | 11.5 | ng | 210833 | 1 | 7.722 | 366936 | 20.0 |
| 3-Pentanol, 3-m... | 3.728 | 11.9 | ng | 218204 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1,3-di... | 5.240 | 48.6 | ng | 891943 | 1 | 7.722 | 366936 | 20.0 |
| 1,3-Cyclopentad... | 5.393 | 88.1 | ng | 1615670 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, (1-met... | 6.210 | 9.2 | ng | 168083 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, propyl- | 6.698 | 13.1 | ng | 241083 | 1 | 7.722 | 366936 | 20.0 |
| Mesitylene | 6.869 | 36.6 | ng | 672328 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1-ethy... | 7.110 | 39.1 | ng | 717036 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1,2,3-... | 7.369 | 152.4 | ng | 2796290 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1,2,4-... | 7.834 | 54.3 | ng | 995693 | 1 | 7.722 | 366936 | 20.0 |
| Indane | 8.092 | 36.5 | ng | 669071 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1-ethy... | 8.357 | 12.6 | ng | 231679 | 1 | 7.722 | 366936 | 20.0 |
| Benzene, 1-ethy... | 8.828 | 18.1 | ng | 332775 | 1 | 7.722 | 366936 | 20.0 |
| o-Cymene | 9.410 | 9.0 | ng | 214235 | 2 | 10.516 | 476807 | 20.0 |
| Benzene, 1-meth... | 9.769 | 12.1 | ng | 287440 | 2 | 10.516 | 476807 | 20.0 |
| Benzene, 2-ethe... | 9.916 | 16.0 | ng | 380905 | 2 | 10.516 | 476807 | 20.0 |
| Phenol, 3-ethyl... | 11.169 | 10.2 | ng | 242208 | 2 | 10.516 | 476807 | 20.0 |
| Triphenylphosph... | 21.368 | 83.3 | ng | 4056920 | 5 | 21.256 | 974627 | 20.0 |