LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** MW-4B

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-BP030623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP014327.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.657 | 77 | 80 | 89 | rVB | 378630 | 585521 | 2.76% | 0.744% |
| 2 | 4.334 | 187 | 195 | 199 | rBV2 | 161912 | 298800 | 1.41% | 0.380% |
| 3 | 4.469 | 213 | 218 | 227 | rVB3 | 117827 | 229232 | 1.08% | 0.291% |
| 4 | 4.975 | 299 | 304 | 308 | rBV | 577833 | 809909 | 3.82% | 1.030% |
| 5 | 5.104 | 320 | 326 | 331 | rBV2 | 354923 | 667254 | 3.15% | 0.848% |
| 6 | 5.575 | 400 | 406 | 412 | rBV | 1298832 | 1964673 | 9.27% | 2.498% |
| 7 | 6.504 | 554 | 564 | 573 | rBV3 | 182995 | 472706 | 2.23% | 0.601% |
| 8 | 6.587 | 573 | 578 | 593 | rVB | 510483 | 941257 | 4.44% | 1.197% |
| 9 | 7.187 | 675 | 680 | 684 | rBV | 645454 | 1047091 | 4.94% | 1.331% |
| 10 | 7.234 | 684 | 688 | 694 | rVB | 1075515 | 1580576 | 7.45% | 2.010% |
| 11 | 7.398 | 709 | 716 | 724 | rBV | 878139 | 1359015 | 6.41% | 1.728% |
| 12 | 7.945 | 799 | 809 | 817 | rBV3 | 153810 | 423119 | 2.00% | 0.538% |
| 13 | 8.022 | 817 | 822 | 835 | rVV2 | 449228 | 930961 | 4.39% | 1.184% |
| 14 | 8.134 | 835 | 841 | 846 | rVV | 945845 | 1498787 | 7.07% | 1.906% |
| 15 | 8.187 | 846 | 850 | 866 | rVB2 | 131594 | 339030 | 1.60% | 0.431% |
| 16 | 8.398 | 880 | 886 | 891 | rVB | 147336 | 236265 | 1.11% | 0.300% |
| 17 | 8.510 | 897 | 905 | 910 | rBV | 185420 | 317672 | 1.50% | 0.404% |
| 18 | 8.657 | 924 | 930 | 935 | rBV | 649820 | 966831 | 4.56% | 1.229% |
| 19 | 8.828 | 953 | 959 | 974 | rVB | 191931 | 384705 | 1.81% | 0.489% |
| 20 | 9.134 | 999 | 1011 | 1016 | rBV2 | 565118 | 1018835 | 4.81% | 1.295% |
| 21 | 9.204 | 1016 | 1023 | 1039 | rVB2 | 2052362 | 3806641 | 17.95% | 4.840% |
| 22 | 9.469 | 1059 | 1068 | 1073 | rBV3 | 174409 | 380510 | 1.79% | 0.484% |
| 23 | 9.657 | 1095 | 1100 | 1105 | rBV | 371592 | 548155 | 2.59% | 0.697% |
| 24 | 9.716 | 1105 | 1110 | 1120 | rVB | 524991 | 808945 | 3.82% | 1.029% |
| 25 | 9.804 | 1120 | 1125 | 1135 | rVB4 | 129510 | 266033 | 1.25% | 0.338% |
| 26 | 9.916 | 1135 | 1144 | 1148 | rBV2 | 159975 | 402309 | 1.90% | 0.511% |
| 27 | 10.034 | 1157 | 1164 | 1170 | rBV2 | 186720 | 377649 | 1.78% | 0.480% |
| 28 | 10.234 | 1192 | 1198 | 1204 | rVB2 | 730749 | 1227328 | 5.79% | 1.560% |
| 29 | 10.845 | 1290 | 1302 | 1307 | rBV2 | 550779 | 1371970 | 6.47% | 1.744% |
| 30 | 10.951 | 1315 | 1320 | 1331 | rVB | 187665 | 337186 | 1.59% | 0.429% |
| 31 | 11.757 | 1450 | 1457 | 1463 | rBV4 | 125482 | 281447 | 1.33% | 0.358% |
| 32 | 11.828 | 1463 | 1469 | 1483 | rVV | 353012 | 853447 | 4.03% | 1.085% |
| 33 | 11.945 | 1483 | 1489 | 1495 | rVV | 101373 | 230377 | 1.09% | 0.293% |
| 34 | 12.716 | 1612 | 1620 | 1625 | rBV2 | 177790 | 331421 | 1.56% | 0.421% |
| 35 | 12.775 | 1625 | 1630 | 1634 | rBV | 272955 | 478769 | 2.26% | 0.609% |
| 36 | 13.292 | 1711 | 1718 | 1729 | rBV | 4575958 | 6625896 | 31.25% | 8.424% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

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-BP030623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.433 | 1736 | 1742 | 1760 | rBV | 208835 | 418928 | 1.98% | 0.533% |
| 38 | 14.669 | 1943 | 1952 | 1961 | rBV | 876095 | 1317896 | 6.22% | 1.676% |
| 39 | 16.033 | 2174 | 2184 | 2195 | rBV | 537429 | 764092 | 3.60% | 0.971% |
| 40 | 16.169 | 2199 | 2207 | 2223 | rBV | 3740413 | 5561366 | 26.23% | 7.071% |
| 41 | 17.427 | 2414 | 2421 | 2433 | rBV | 1110538 | 1669861 | 7.88% | 2.123% |
| 42 | 18.292 | 2564 | 2568 | 2578 | rBV | 170989 | 332419 | 1.57% | 0.423% |
| 43 | 19.974 | 2848 | 2854 | 2861 | rBV | 7252549 | 9158252 | 43.19% | 11.644% |
| 44 | 21.509 | 3111 | 3115 | 3123 | rBV | 1320717 | 1883670 | 8.88% | 2.395% |
| 45 | 21.639 | 3130 | 3137 | 3165 | rBV | 14023452 | 21203478 | 100.00% | 26.958% |
| 46 | 24.027 | 3537 | 3543 | 3554 | rVB2 | 918811 | 1942534 | 9.16% | 2.470% |

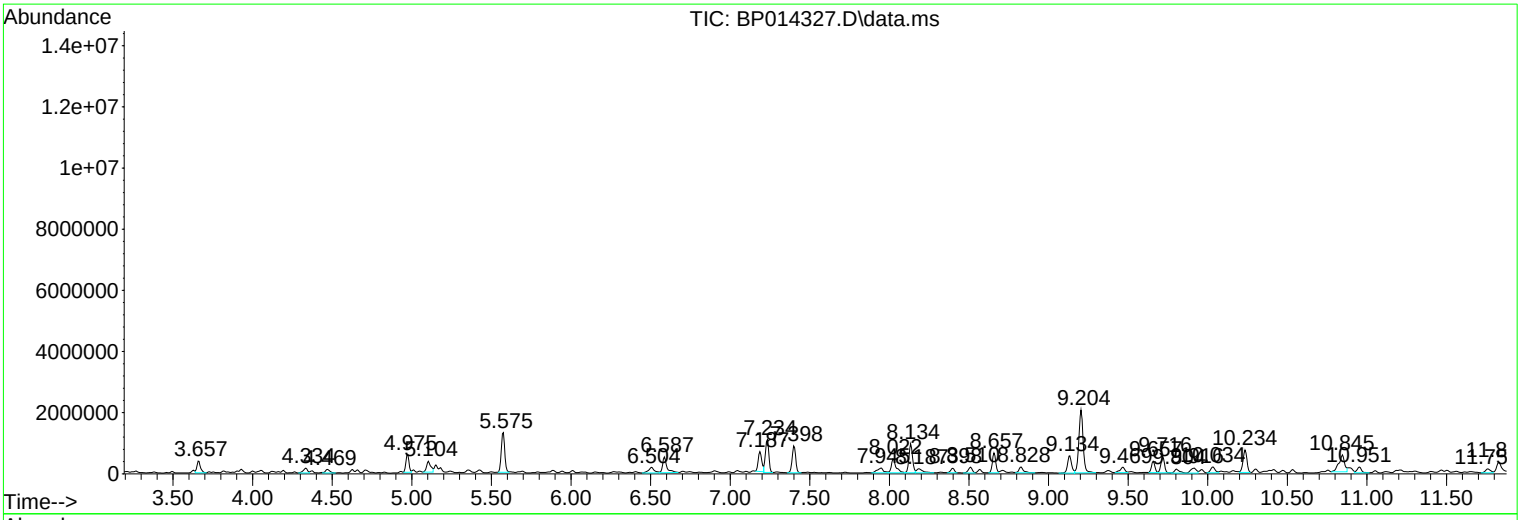
Sum of corrected areas: 78652818

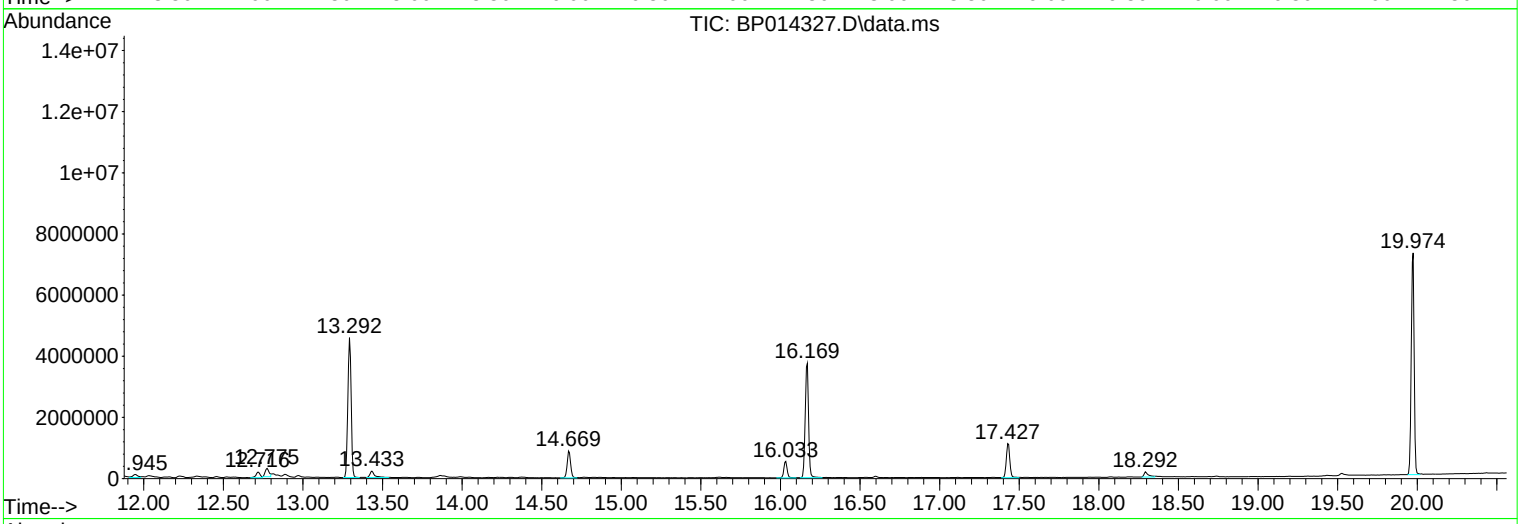
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

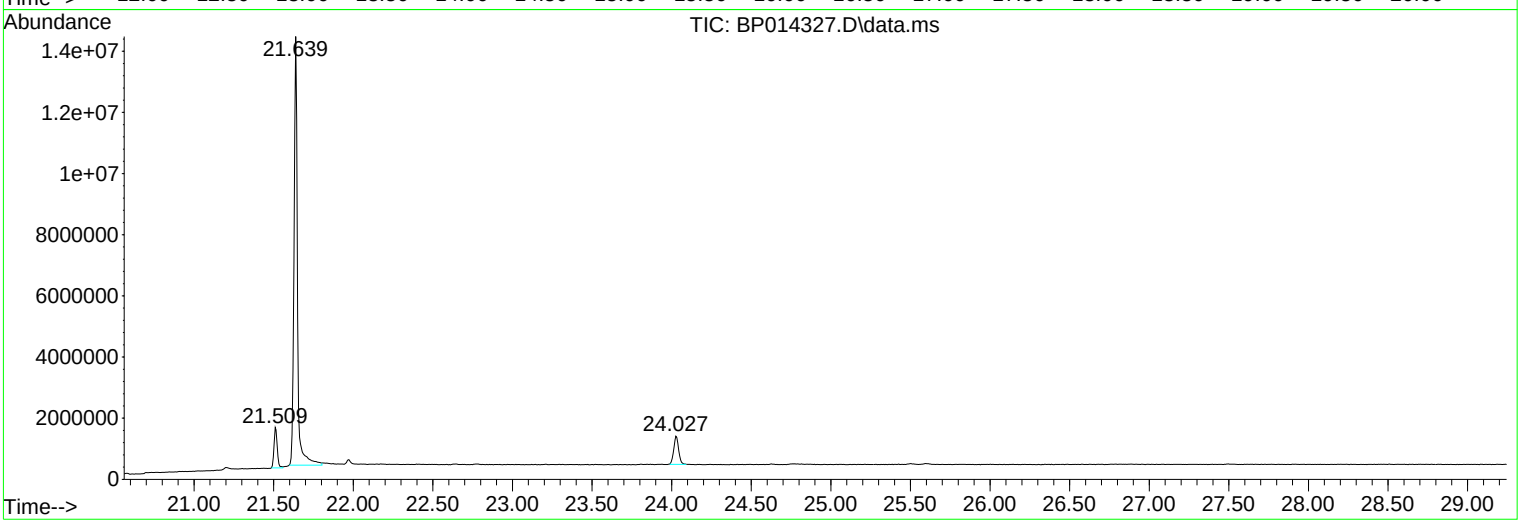
**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.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\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

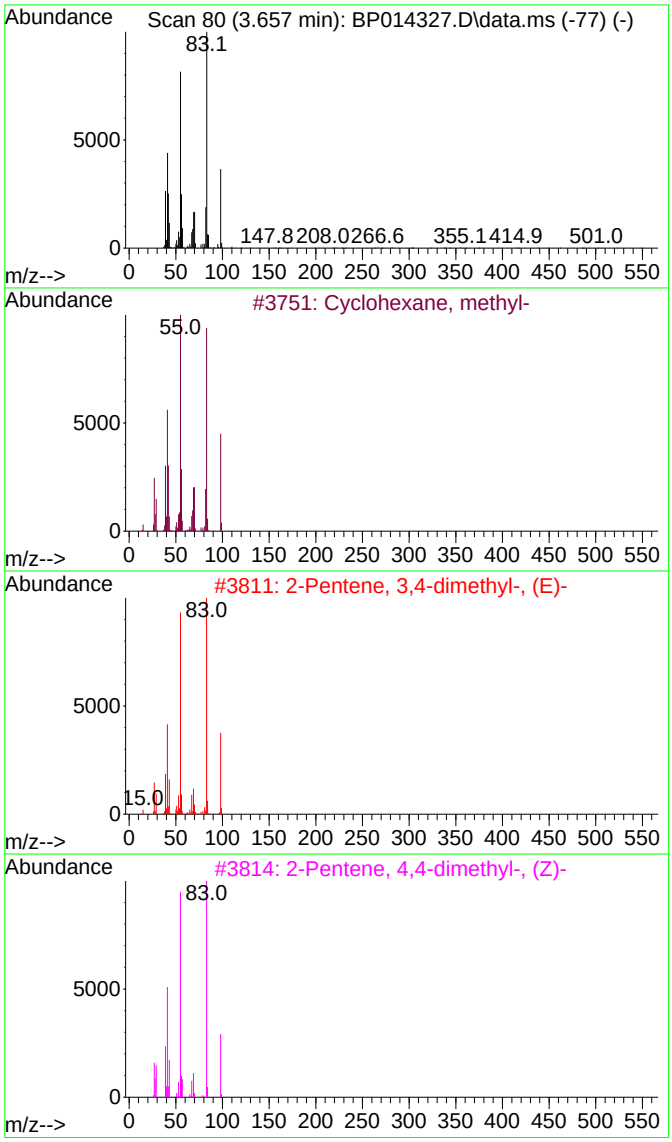
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

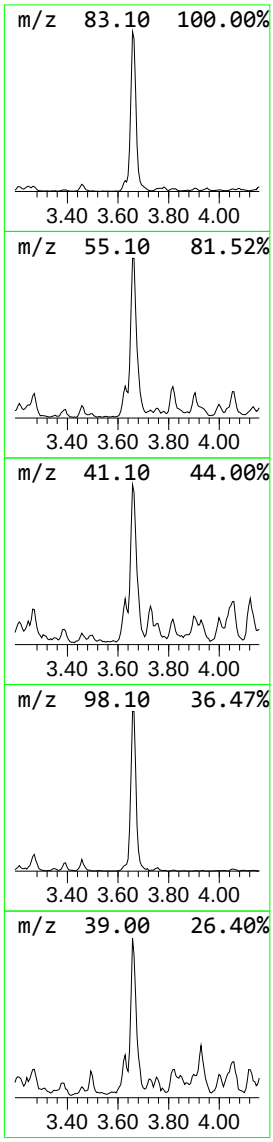
**********

Peak Number 1 Cyclohexane, methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.657 | 12.58 ng | 585521 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 93 |
| 2 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 64 |
| 3 | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14 | 000762-63-0 | 62 |
| 4 | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14 | 004914-91-4 | 62 |
| 5 | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14 | 000690-08-4 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

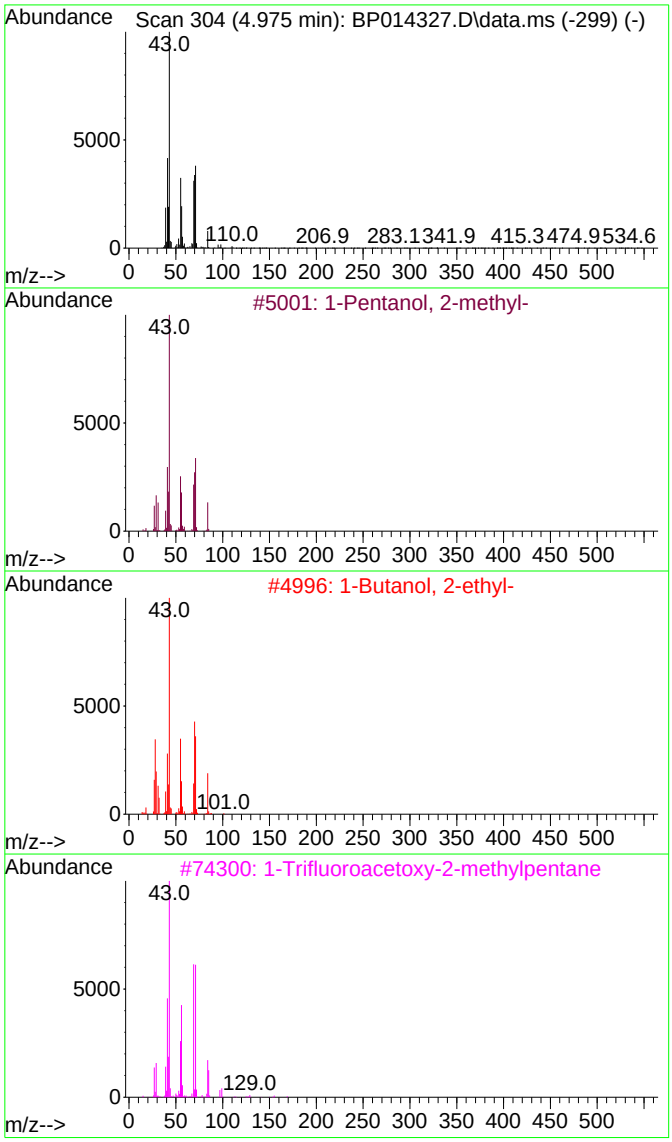
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

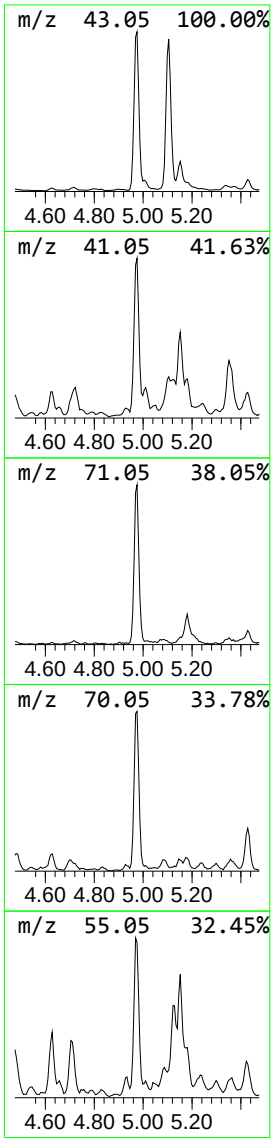
**********

Peak Number 2 1-Pentanol, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.975 | 17.40 ng | 809909 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentanol, 2-methyl- | 102 | C6H14O | 000105-30-6 | 90 |
| 2 | 1-Butanol, 2-ethyl- | 102 | C6H14O | 000097-95-0 | 86 |
| 3 | 1-Trifluoroacetoxy-2-methylpentane | 198 | C8H13F3O2 | 155089-96-6 | 50 |
| 4 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 45 |
| 5 | Butane, 1-bromo-3-methyl- | 150 | C5H11Br | 000107-82-4 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

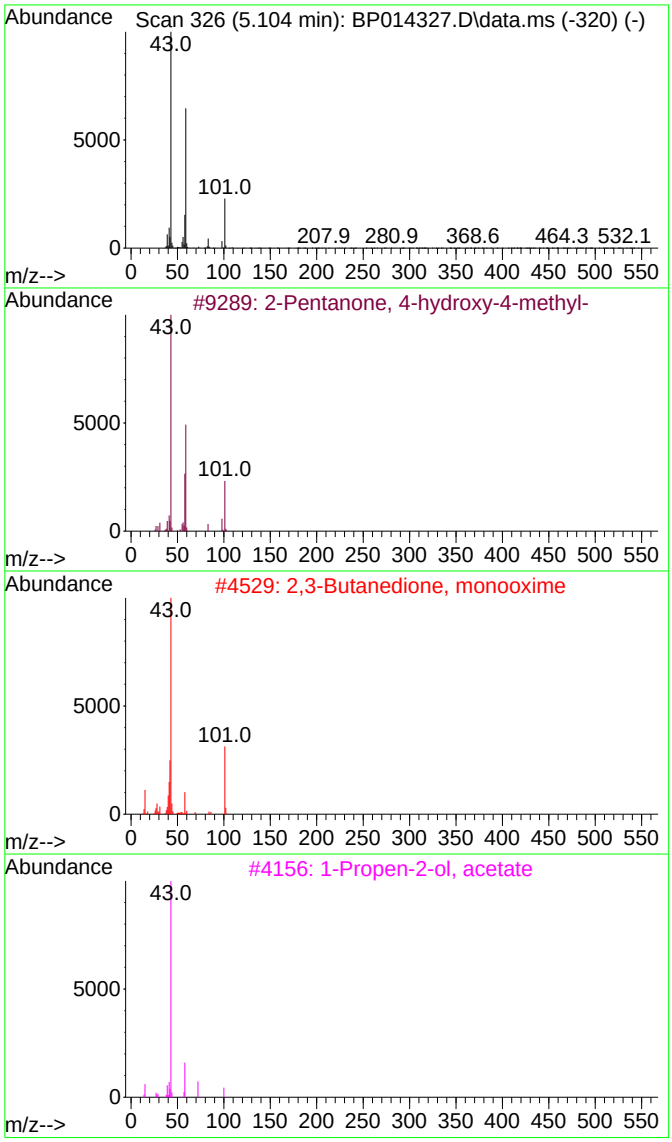
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

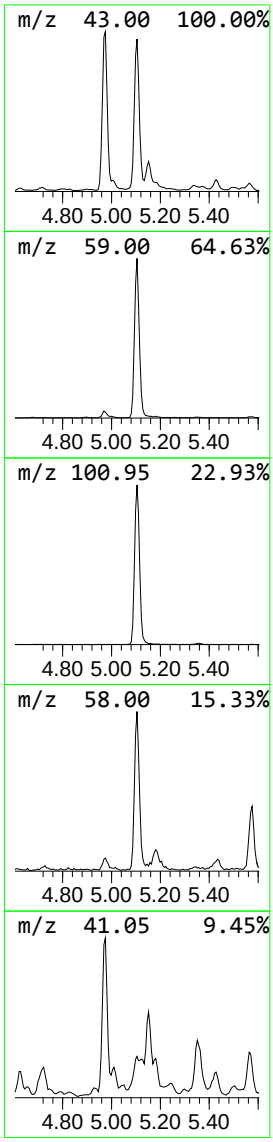
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.104 | 14.33 ng | 667254 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | Formamide, N,N-diethyl- | 101 | C5H11NO | 000617-84-5 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

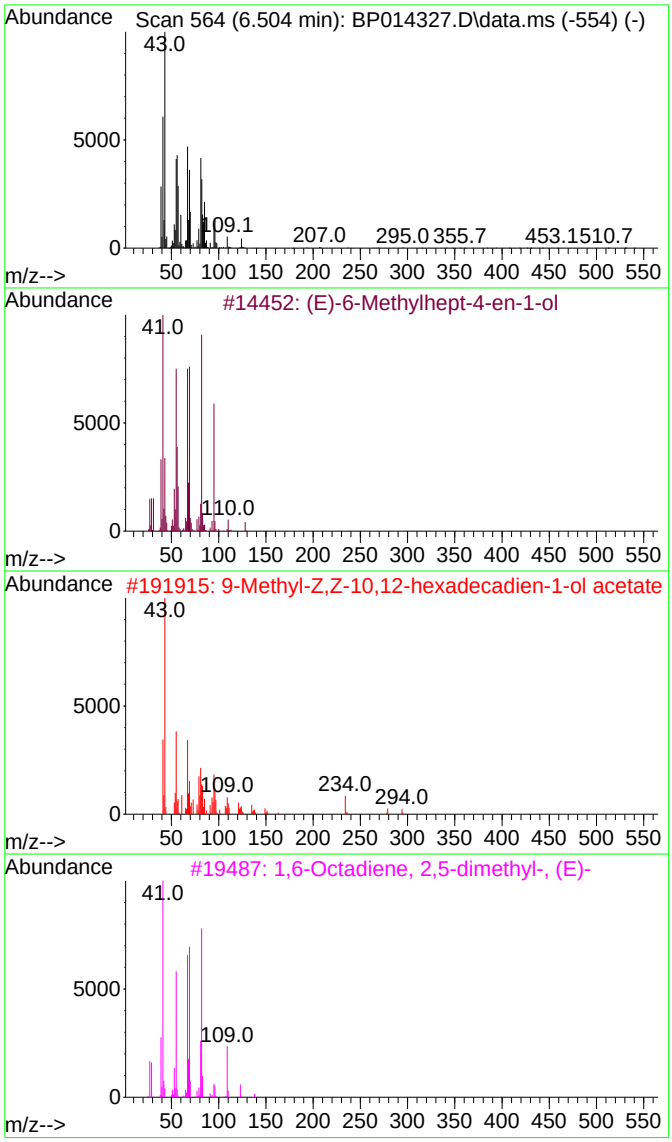
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

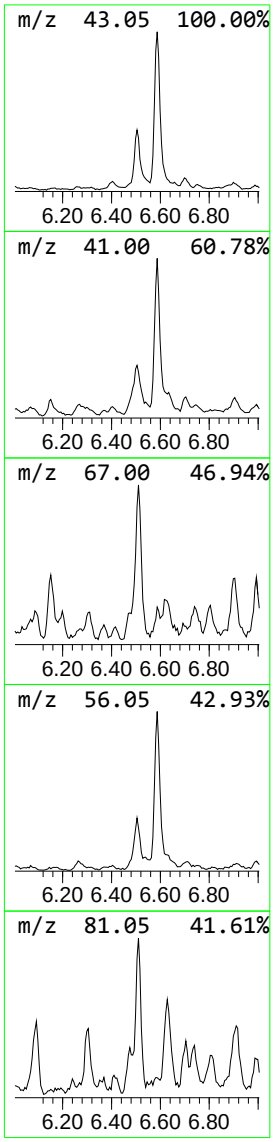
**********

Peak Number 4 unknown6.504 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.504 | 10.16 ng | 472706 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-6-Methylhept-4-en-1-ol | 128 | C8H16O | 855901-81-4 | 38 |
| 2 | 9-Methyl-Z,Z-10,12-hexadecadien-... | 294 | C19H34O2 | 1000130-89-6 | 27 |
| 3 | 1,6-Octadiene, 2,5-dimethyl-, (E)- | 138 | C10H18 | 068702-25-0 | 27 |
| 4 | Pentane, 2-chloro-2-methyl- | 120 | C6H13Cl | 004325-48-8 | 22 |
| 5 | 3-Hexen-1-ol, (E)- | 100 | C6H12O | 000928-97-2 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

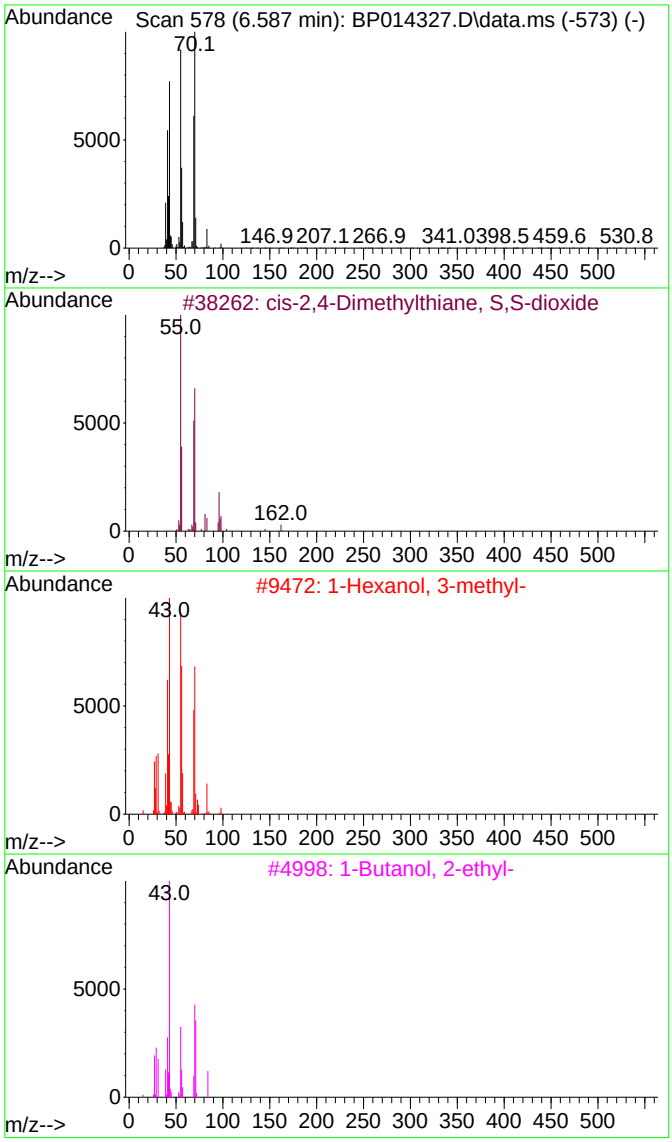
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

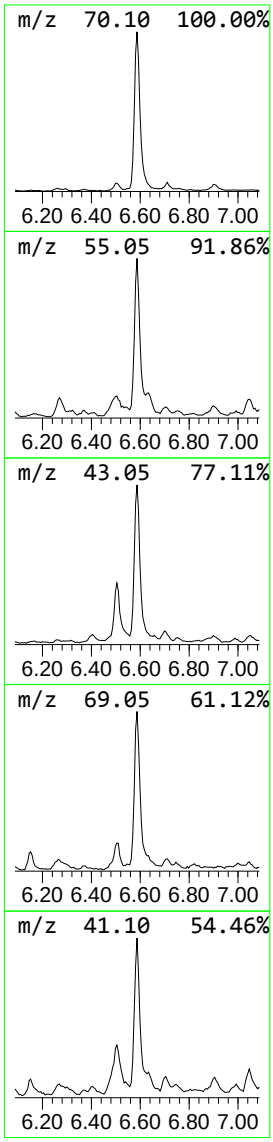
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 cis-2,4-Dimethylthiane, S,S... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.587 | 20.22 ng | 941257 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-2,4-Dimethylthiane, S,S-dioxide | 162 | C7H14O2S | 1000215-67-5 | 72 |
| 2 | 1-Hexanol, 3-methyl- | 116 | C7H16O | 013231-81-7 | 64 |
| 3 | 1-Butanol, 2-ethyl- | 102 | C6H14O | 000097-95-0 | 59 |
| 4 | Octane, 3-methyl-6-methylene- | 140 | C10H20 | 074630-07-2 | 59 |
| 5 | 2-Acetylpyrrolidine | 113 | C6H11NO | 060026-20-2 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

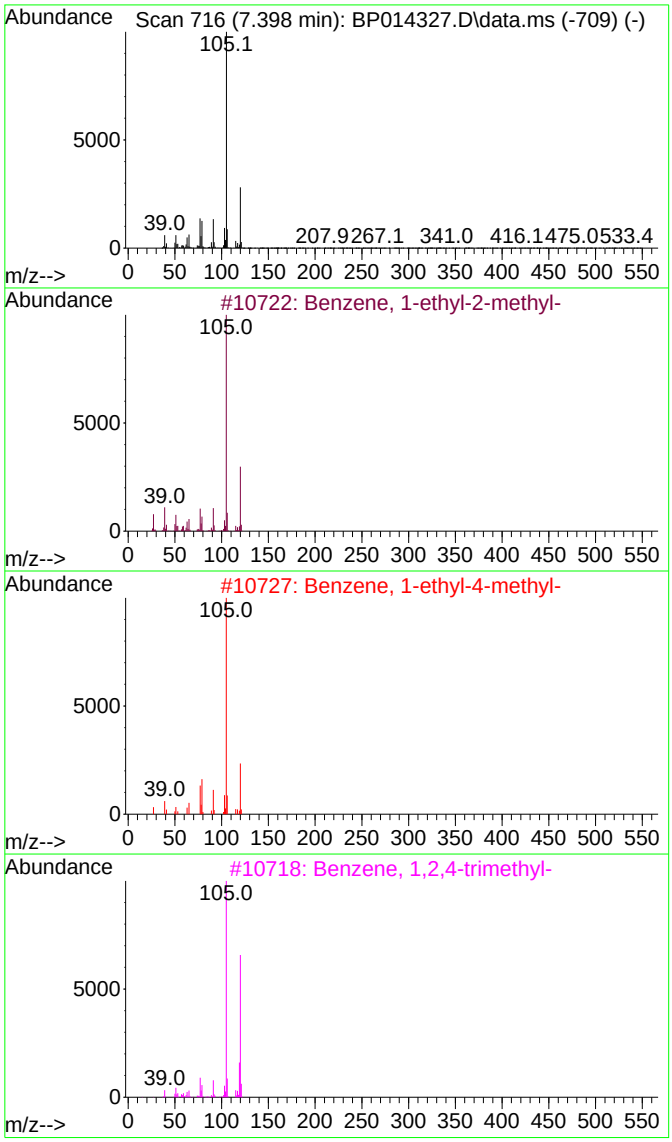
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

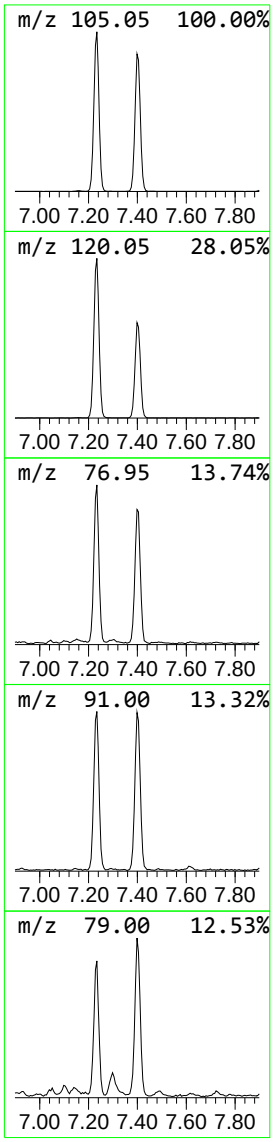
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.398 | 29.20 ng | 1359020 | 1,4-Dichlorobenzene-d4 | 8.022 |

| 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 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

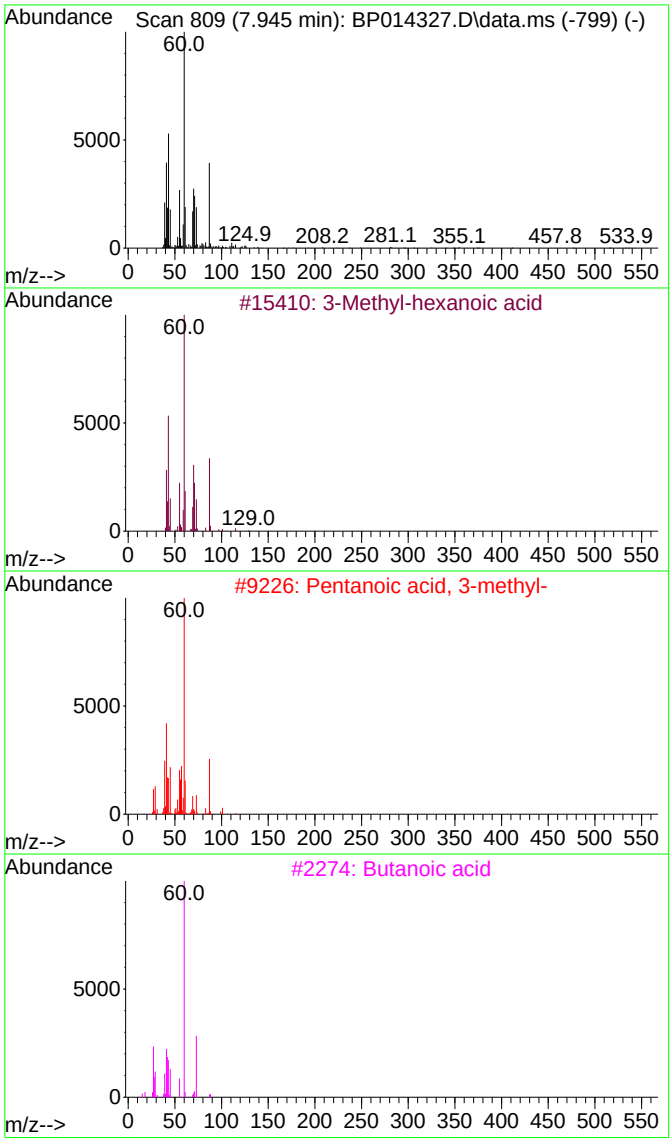
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

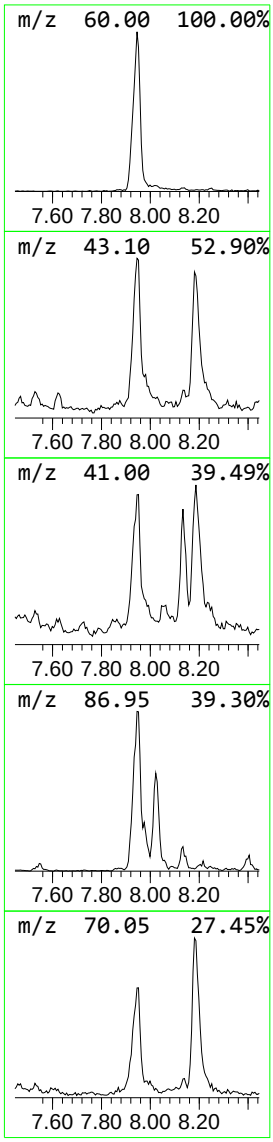
**********

Peak Number 7 3-Methyl-hexanoic acid Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.945 | 9.09 ng | 423119 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methyl-hexanoic acid | 130 | C7H14O2 | 1000365-65-4 | 90 |
| 2 | Pentanoic acid, 3-methyl- | 116 | C6H12O2 | 000105-43-1 | 40 |
| 3 | Butanoic acid | 88 | C4H8O2 | 000107-92-6 | 38 |
| 4 | Xylopyranoside, methyl 4-azido-4... | 189 | C6H11N3O4 | 020379-31-1 | 33 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 28 |



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Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

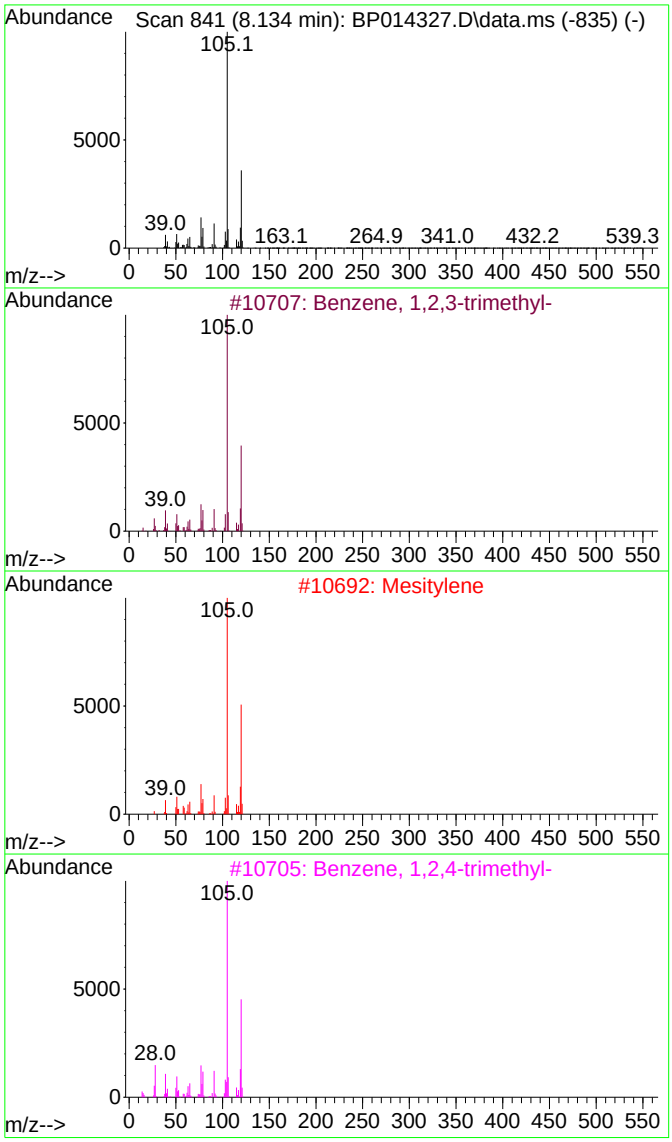
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

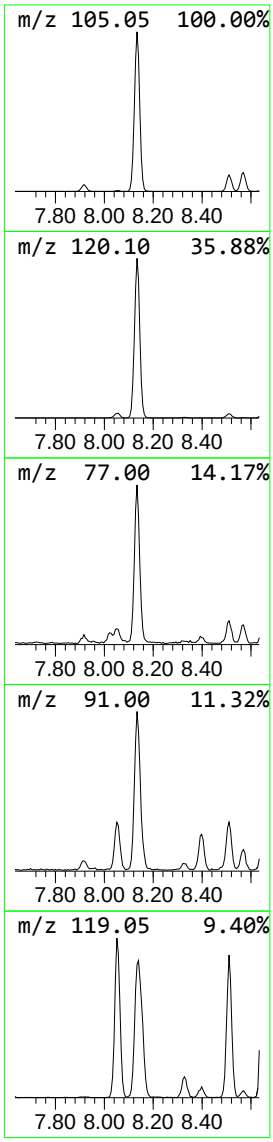
**********

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.134 | 32.20 ng | 1498790 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 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\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

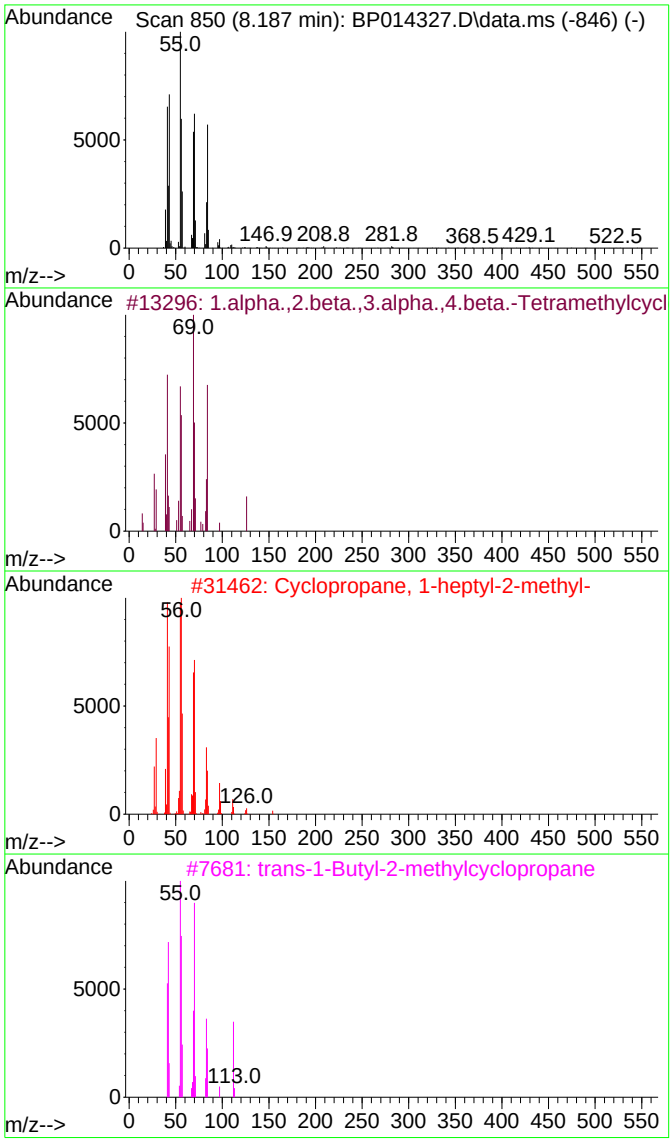
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

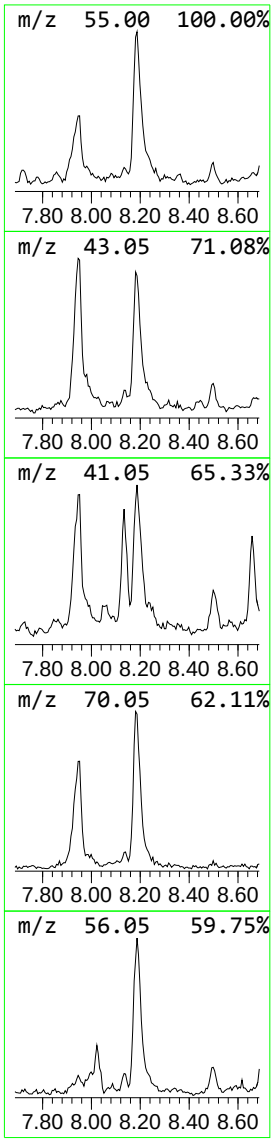
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1.alpha.,2.beta.,3.alpha.,4... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.187 | 7.28 ng | 339030 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1.alpha.,2.beta.,3.alpha.,4.beta... | 126 | C9H18 | 002532-67-4 | 72 |
| 2 | Cyclopropane, 1-heptyl-2-methyl- | 154 | C11H22 | 074663-91-5 | 59 |
| 3 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 59 |
| 4 | 1-Heptene, 3-methyl- | 112 | C8H16 | 004810-09-7 | 59 |
| 5 | 1-Octanol | 130 | C8H18O | 000111-87-5 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

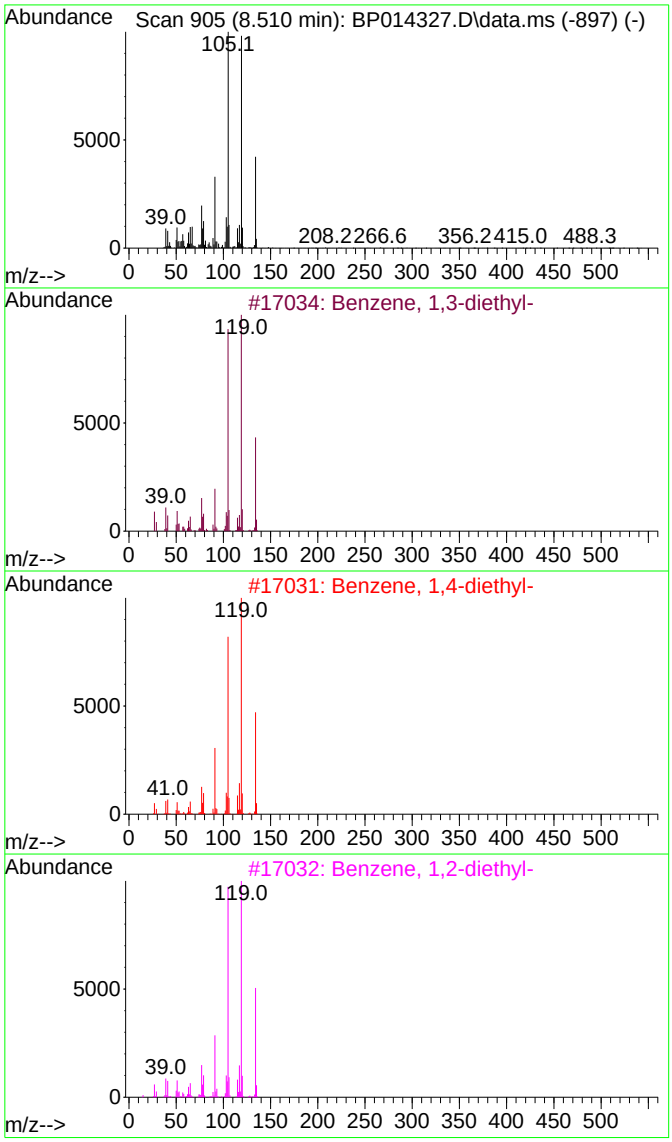
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

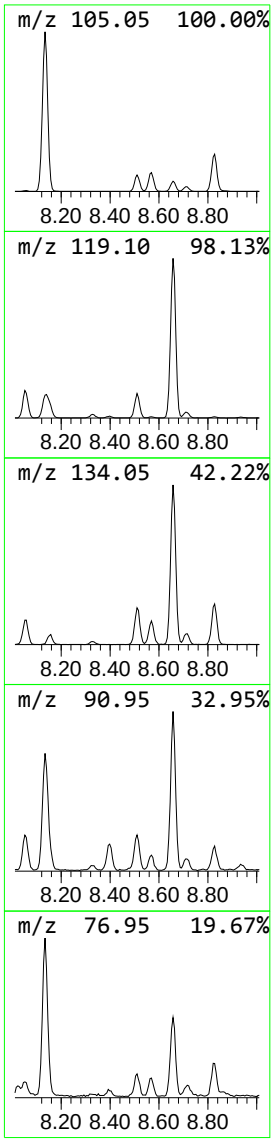
**********

Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.510 | 6.82 ng | 317672 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 97 |
| 2 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 97 |
| 3 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 96 |
| 4 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 87 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

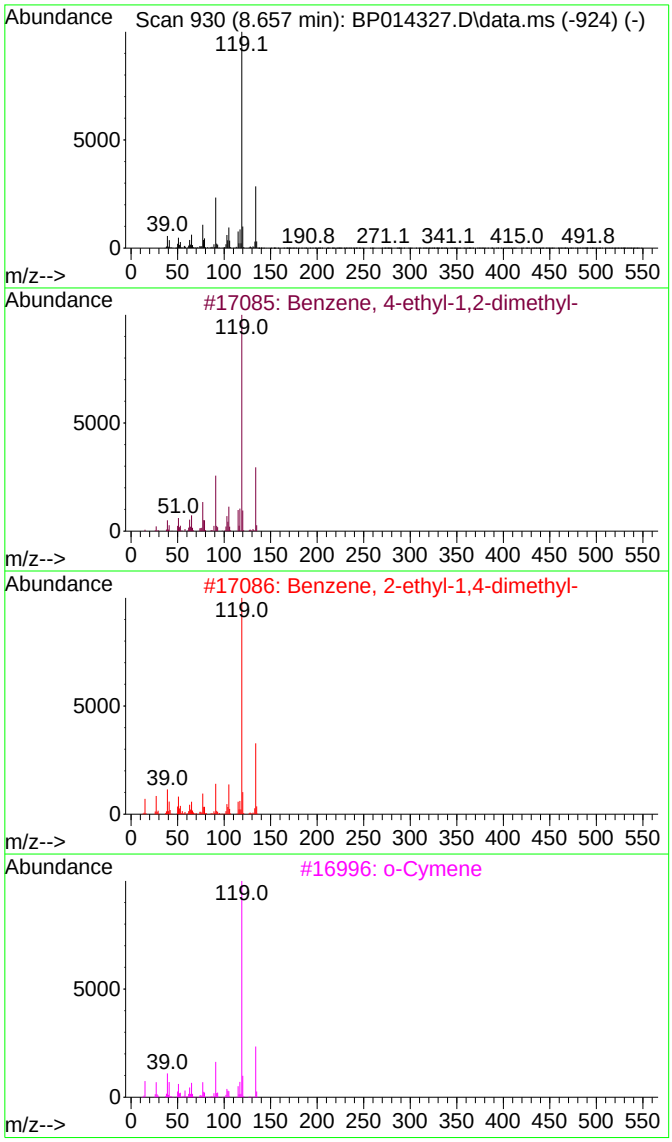
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

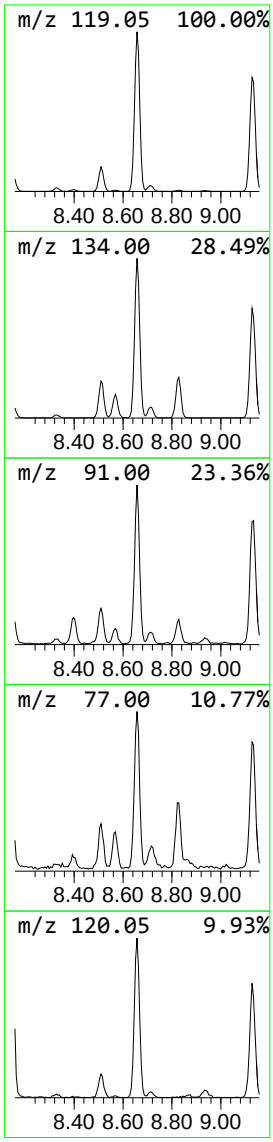
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.657 | 20.77 ng | 966831 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 97 |
| 2 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

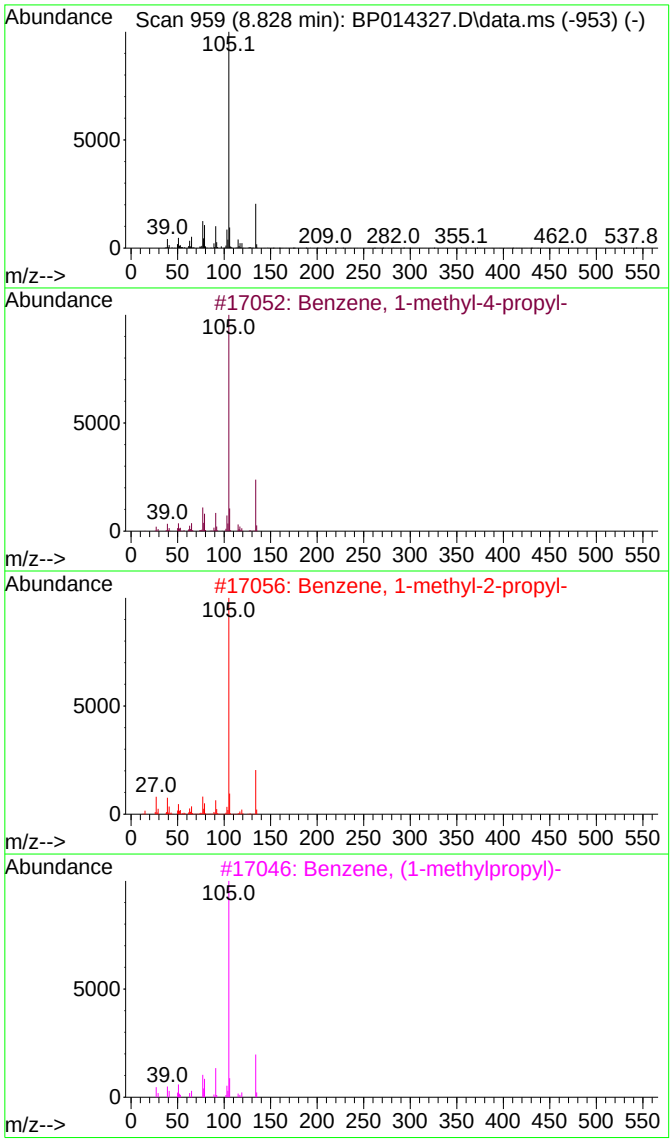
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

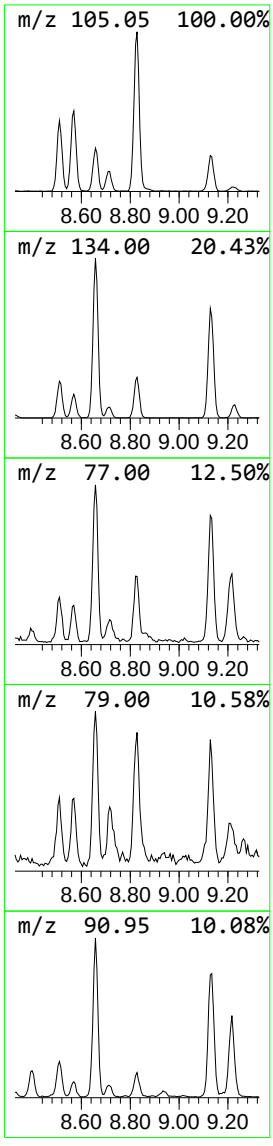
**********

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.828 | 8.26 ng | 384705 | 1,4-Dichlorobenzene-d4 | 8.022 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 94 |
| 2 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 91 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 91 |
| 4 | 2-Tolyloxirane | 134 | C9H10O | 002783-26-8 | 91 |
| 5 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

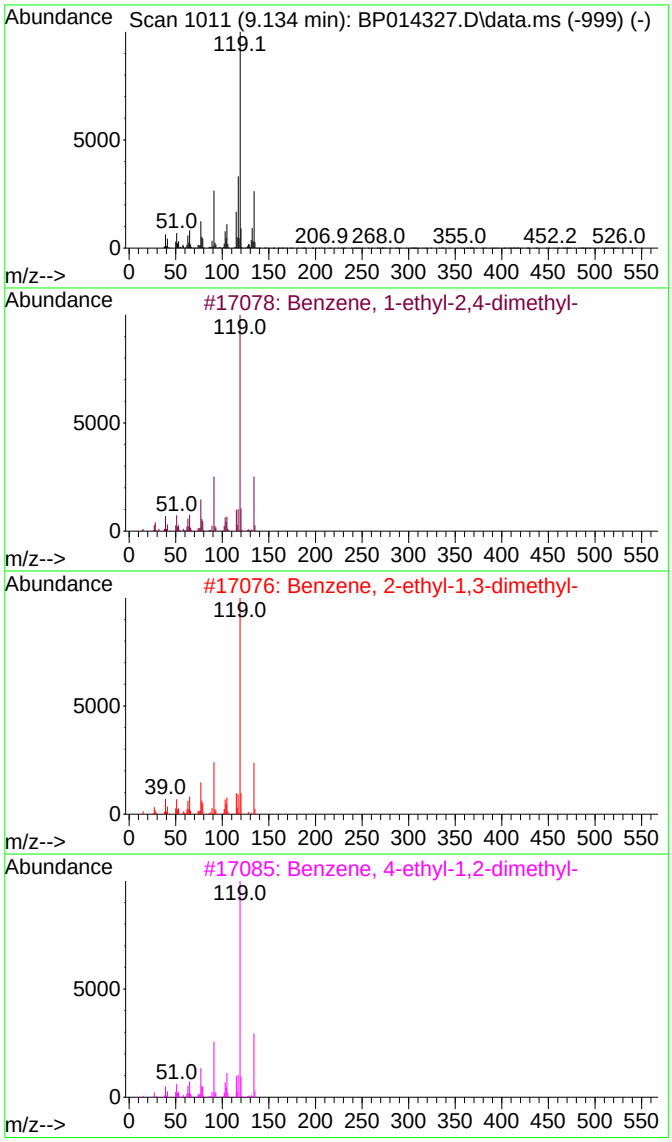
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

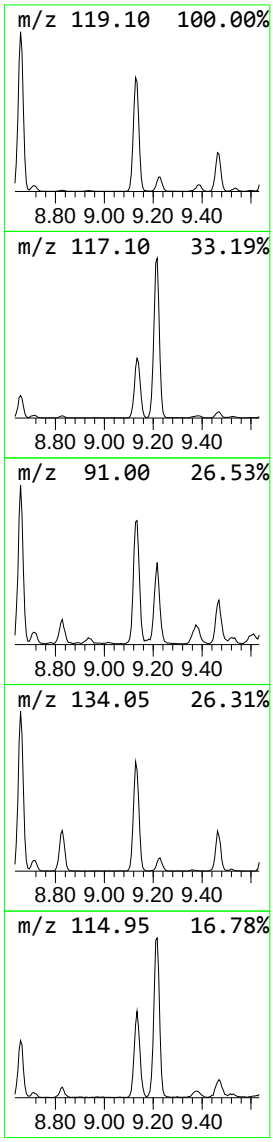
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.134 | 21.89 ng | 1018840 | 1,4-Dichlorobenzene-d4 | 8.022 |

| 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-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 93 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

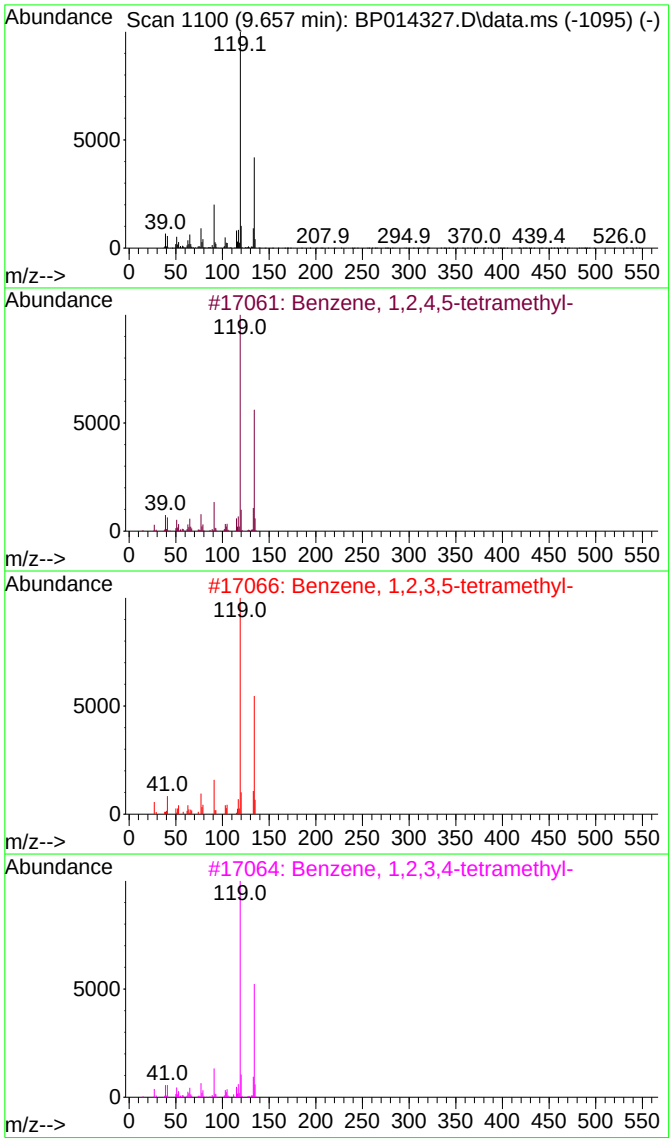
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

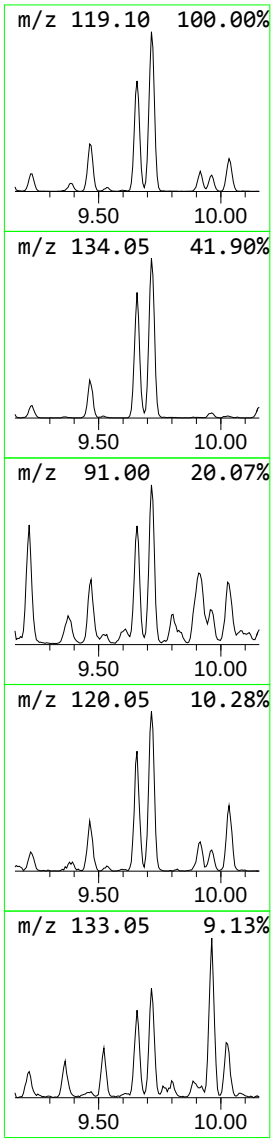
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.657 | 7.99 ng | 548155 | Naphthalene-d8 | 10.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 91 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

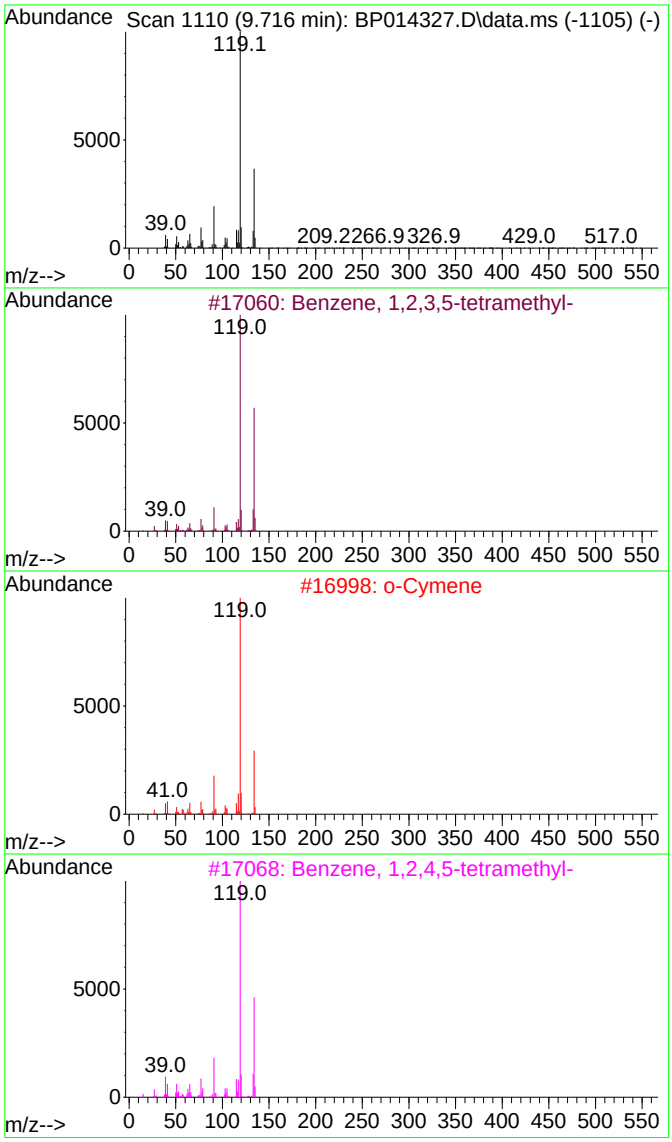
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

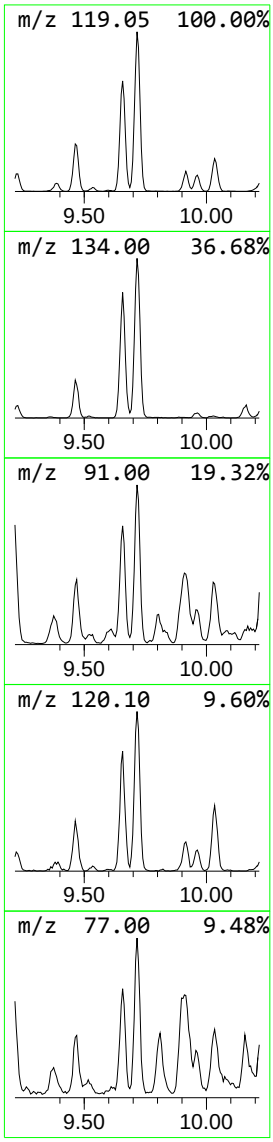
**********

Peak Number 15 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.716 | 11.79 ng | 808945 | Naphthalene-d8 | 10.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 96 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

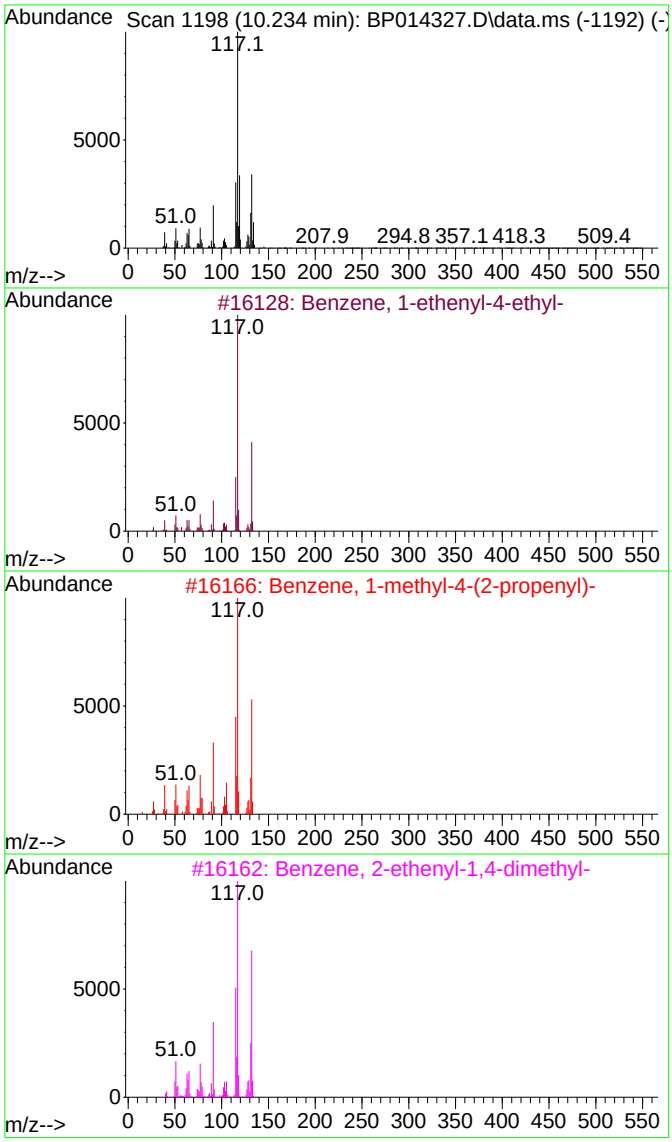
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

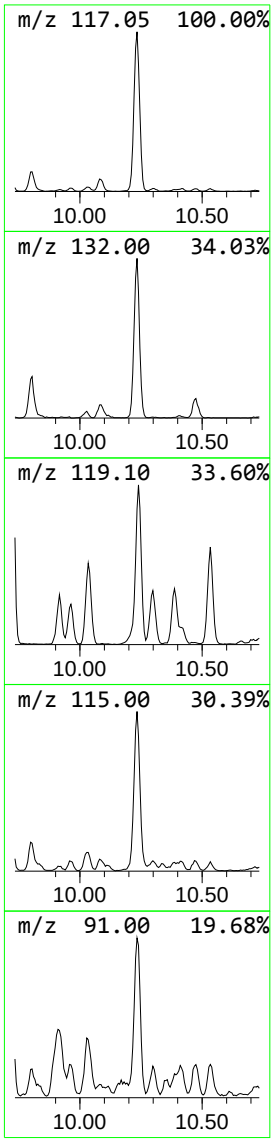
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.234 | 17.89 ng | 1227330 | Naphthalene-d8 | 10.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 93 |
| 2 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 91 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 90 |
| 4 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 89 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

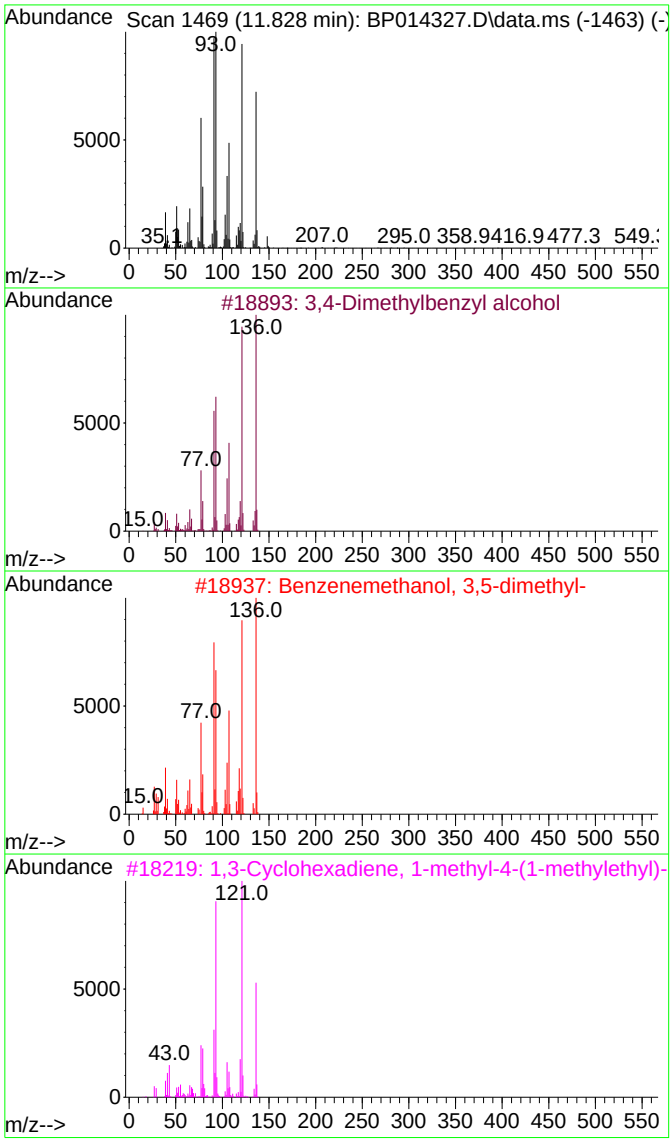
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

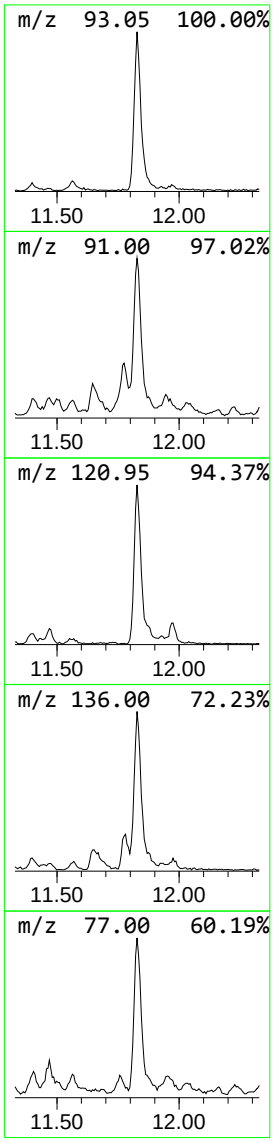
**********

Peak Number 17 3,4-Dimethylbenzyl alcohol Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.828 | 12.44 ng | 853447 | Naphthalene-d8 | 10.845 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,4-Dimethylbenzyl alcohol | 136 | C9H12O | 006966-10-5 | 96 |
| 2 | Benzenemethanol, 3,5-dimethyl- | 136 | C9H12O | 027129-87-9 | 94 |
| 3 | 1,3-Cyclohexadiene, 1-methyl-4-(... | 136 | C10H16 | 000099-86-5 | 89 |
| 4 | Cyclohexene, 3-methyl-6-(1-methy... | 136 | C10H16 | 000586-63-0 | 81 |
| 5 | (+)-4-Carene | 136 | C10H16 | 029050-33-7 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

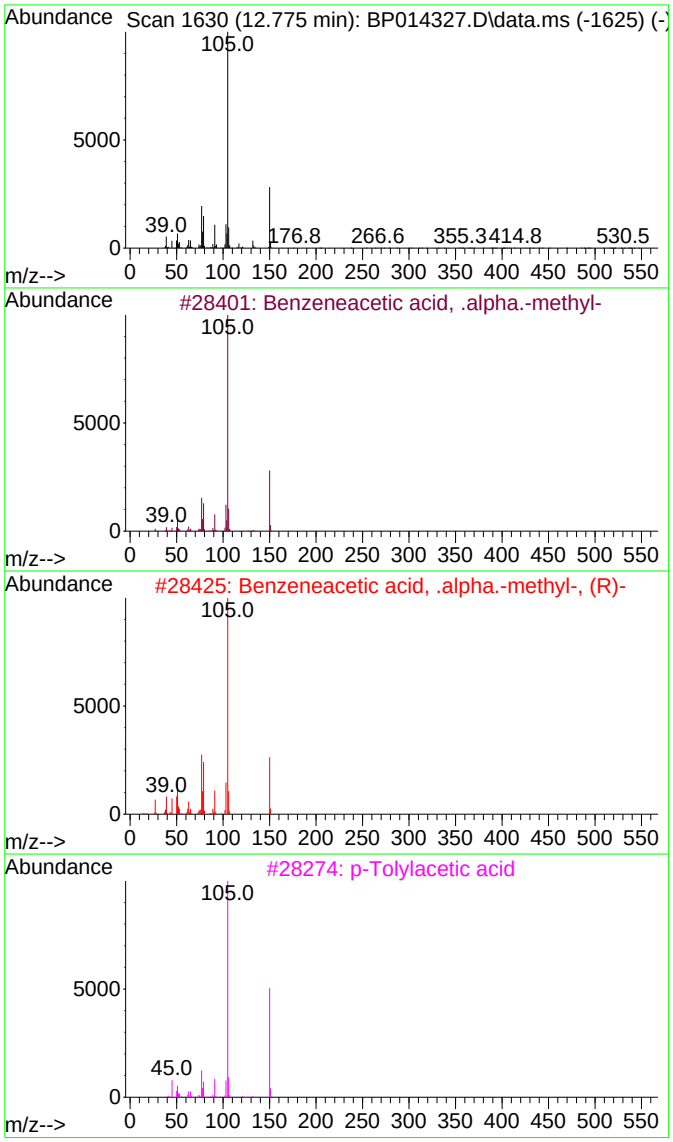
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

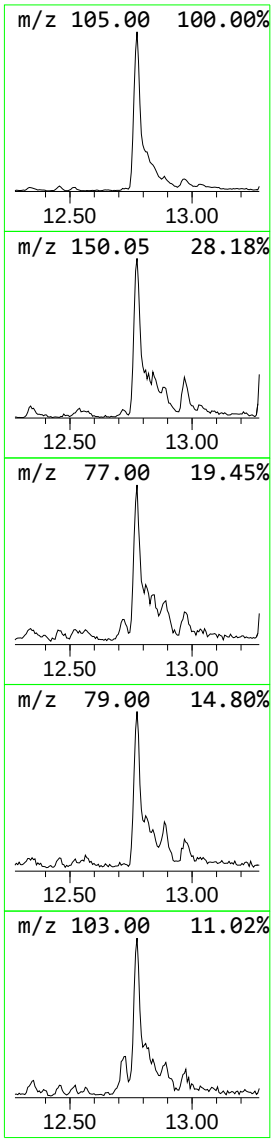
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Benzeneacetic acid, .alpha.... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.775 | 7.27 ng | 478769 | Acenaphthene-d10 | 14.669 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneacetic acid, .alpha.-methyl- | 150 | C9H10O2 | 000492-37-5 | 95 |
| 2 | Benzeneacetic acid, .alpha.-meth... | 150 | C9H10O2 | 007782-26-5 | 90 |
| 3 | p-Tolylacetic acid | 150 | C9H10O2 | 000622-47-9 | 90 |
| 4 | m-Tolylacetic acid | 150 | C9H10O2 | 000621-36-3 | 87 |
| 5 | Benzeneacetic acid, .alpha.-meth... | 150 | C9H10O2 | 007782-24-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.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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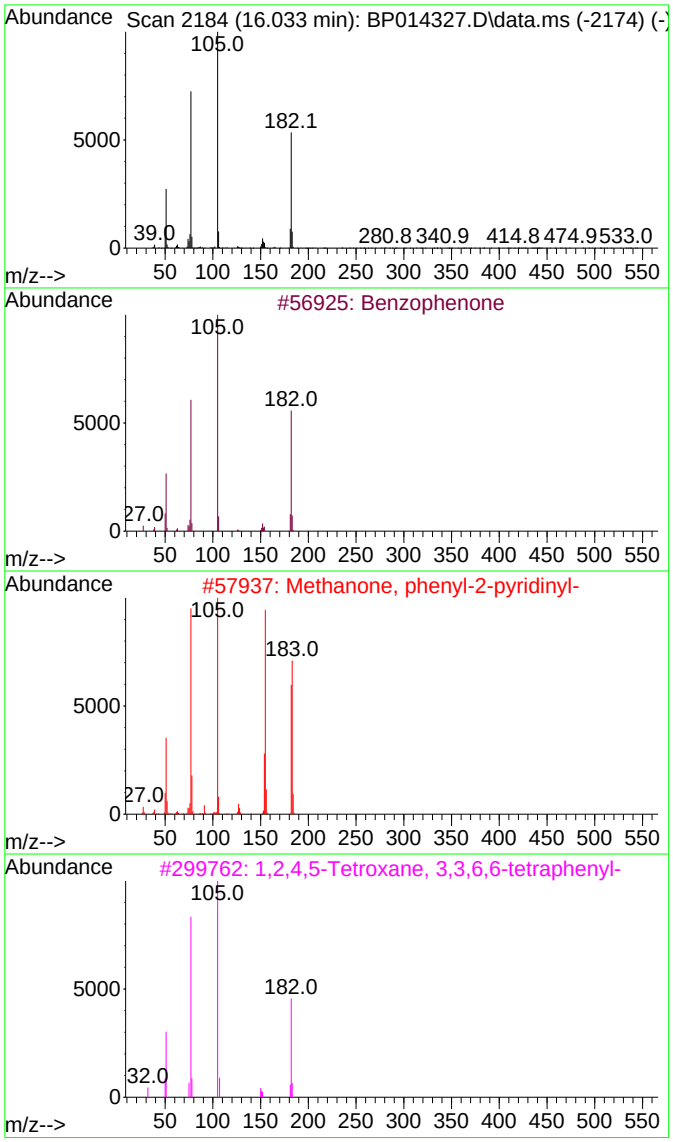
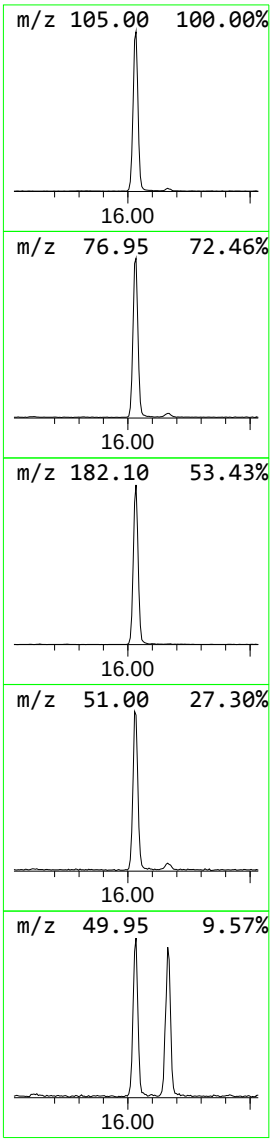
Peak Number 19 Benzophenone Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.033 | 11.60 ng | 764092 | Acenaphthene-d10 | 14.669 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 64 |
| 3 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64 |
| 4 | 1,2,4-Trioxolane, 3,3,5-triphenyl- | 304 | C20H16O3 | 023246-12-0 | 59 |
| 5 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

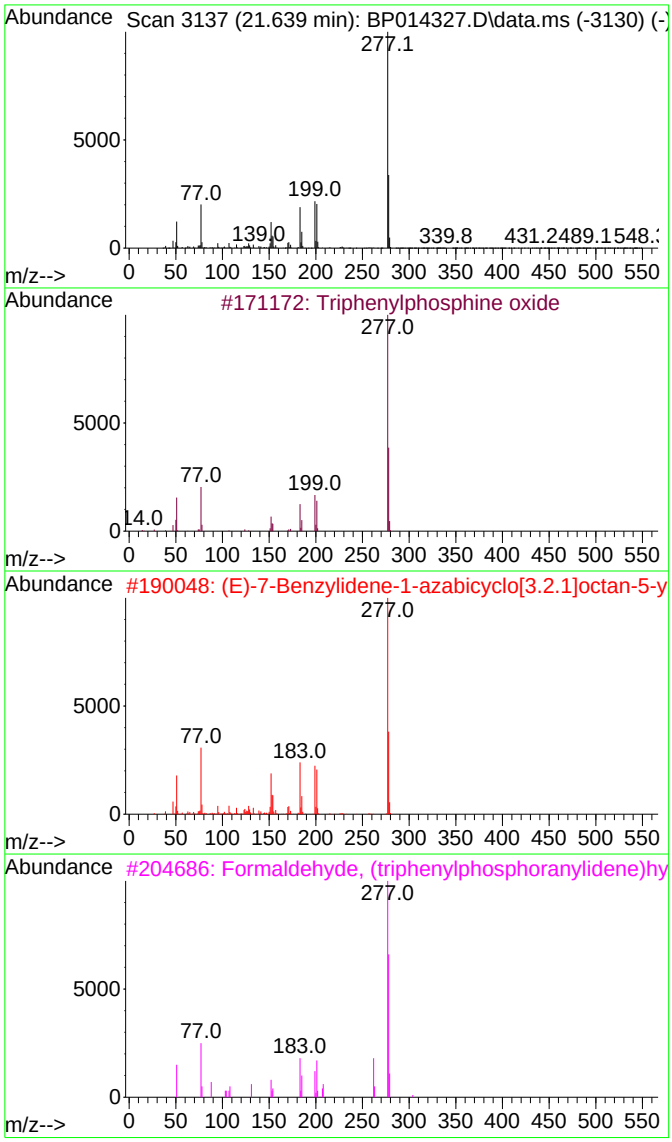
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

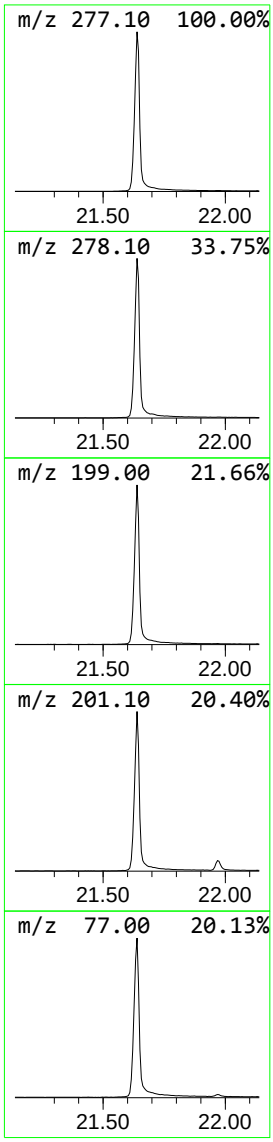
**********

Peak Number 20 Triphenylphosphine oxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.639 | 225.13 ng | 21203500 | Chrysene-d12 | 21.509 |

| 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 | 91 |
| 3 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 40 |
| 4 | 1H-Indole-3-acetic acid, 5-[(tri... | 277 | C14H19NO3Si | 072101-35-0 | 32 |
| 5 | Vanadium, cycloheptatrienyl-(pen... | 277 | C17H22V | 1000155-20-5 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
Data File : BP014327.D
Acq On : 27 Mar 2023 23:28
Operator : CG/JU
Sample : 02055-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MW-4B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.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 |
| Cyclohexane, me... | 3.657 | 12.6 | ng | 585521 | 1 | 8.022 | 930961 | 20.0 |
| 1-Pentanol, 2-m... | 4.975 | 17.4 | ng | 809909 | 1 | 8.022 | 930961 | 20.0 |
| 2-Pentanone, 4-... | 5.104 | 14.3 | ng | 667254 | 1 | 8.022 | 930961 | 20.0 |
| unknown6.504 | 6.504 | 10.2 | ng | 472706 | 1 | 8.022 | 930961 | 20.0 |
| cis-2,4-Dimethy... | 6.587 | 20.2 | ng | 941257 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1-ethy... | 7.398 | 29.2 | ng | 1359020 | 1 | 8.022 | 930961 | 20.0 |
| 3-Methyl-hexano... | 7.945 | 9.1 | ng | 423119 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1,2,3-... | 8.134 | 32.2 | ng | 1498790 | 1 | 8.022 | 930961 | 20.0 |
| 1.alpha.,2.beta... | 8.187 | 7.3 | ng | 339030 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1,3-di... | 8.510 | 6.8 | ng | 317672 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 4-ethy... | 8.657 | 20.8 | ng | 966831 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1-meth... | 8.828 | 8.3 | ng | 384705 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1-ethy... | 9.134 | 21.9 | ng | 1018840 | 1 | 8.022 | 930961 | 20.0 |
| Benzene, 1,2,4,... | 9.657 | 8.0 | ng | 548155 | 2 | 10.845 | 1371970 | 20.0 |
| Benzene, 1,2,3,... | 9.716 | 11.8 | ng | 808945 | 2 | 10.845 | 1371970 | 20.0 |
| Benzene, 1-ethe... | 10.234 | 17.9 | ng | 1227330 | 2 | 10.845 | 1371970 | 20.0 |
| 3,4-Dimethylben... | 11.828 | 12.4 | ng | 853447 | 2 | 10.845 | 1371970 | 20.0 |
| Benzeneacetic a... | 12.775 | 7.3 | ng | 478769 | 3 | 14.669 | 1317900 | 20.0 |
| Benzophenone | 16.033 | 11.6 | ng | 764092 | 3 | 14.669 | 1317900 | 20.0 |
| Triphenylphosph... | 21.639 | 225.1 | ng | 21203500 | 5 | 21.509 | 1883670 | 20.0 |