

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
 Data File : BG061178.D  
 Acq On : 13 May 2024 16:46  
 Operator : MA/JU  
 Sample : P2450-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 1011UMR-RB240507-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061178.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.066       | 8             | 13          | 21           | rVV6     | 14748          | 28709         | 1.08%           | 0.271%        |
| 2         | 3.143       | 21            | 26          | 43           | rVB      | 841012         | 1146477       | 43.11%          | 10.821%       |
| 3         | 3.854       | 142           | 147         | 157          | rVB      | 47947          | 68675         | 2.58%           | 0.648%        |
| 4         | 4.453       | 243           | 249         | 259          | rVB      | 293605         | 416064        | 15.65%          | 3.927%        |
| 5         | 5.046       | 343           | 350         | 358          | rVB      | 194489         | 275847        | 10.37%          | 2.604%        |
| 6         | 5.522       | 425           | 431         | 441          | rVB      | 191640         | 293960        | 11.05%          | 2.775%        |
| 7         | 7.103       | 691           | 700         | 712          | rVB      | 114172         | 199106        | 7.49%           | 1.879%        |
| 8         | 7.925       | 834           | 840         | 846          | rBV      | 85910          | 139611        | 5.25%           | 1.318%        |
| 9         | 7.990       | 846           | 851         | 859          | rVB      | 24514          | 41297         | 1.55%           | 0.390%        |
| 10        | 9.018       | 1020          | 1026        | 1030         | rBV      | 27486          | 43671         | 1.64%           | 0.412%        |
| 11        | 9.083       | 1030          | 1037        | 1048         | rVB      | 309305         | 538302        | 20.24%          | 5.081%        |
| 12        | 9.247       | 1060          | 1065        | 1070         | rBV3     | 15914          | 27105         | 1.02%           | 0.256%        |
| 13        | 10.722      | 1307          | 1316        | 1323         | rVB      | 96649          | 169705        | 6.38%           | 1.602%        |
| 14        | 11.098      | 1374          | 1380        | 1383         | rBV3     | 19046          | 31936         | 1.20%           | 0.301%        |
| 15        | 11.133      | 1383          | 1386        | 1391         | rVB      | 20594          | 29142         | 1.10%           | 0.275%        |
| 16        | 11.362      | 1419          | 1425        | 1434         | rVB      | 18571          | 34613         | 1.30%           | 0.327%        |
| 17        | 12.538      | 1619          | 1625        | 1633         | rBV      | 26684          | 39547         | 1.49%           | 0.373%        |
| 18        | 13.178      | 1726          | 1734        | 1741         | rBV      | 716479         | 1134473       | 42.66%          | 10.708%       |
| 19        | 14.559      | 1963          | 1969        | 1978         | rBV      | 147720         | 240031        | 9.03%           | 2.266%        |
| 20        | 15.375      | 2100          | 2108        | 2113         | rVB2     | 31382          | 48995         | 1.84%           | 0.462%        |
| 21        | 16.051      | 2216          | 2223        | 2236         | rBV      | 770045         | 1208020       | 45.43%          | 11.402%       |
| 22        | 17.303      | 2429          | 2436        | 2445         | rBV      | 250535         | 380237        | 14.30%          | 3.589%        |
| 23        | 18.713      | 2672          | 2676        | 2682         | rVB2     | 30227          | 38609         | 1.45%           | 0.364%        |
| 24        | 19.929      | 2876          | 2883        | 2890         | rBV      | 1918386        | 2659281       | 100.00%         | 25.099%       |
| 25        | 21.257      | 3106          | 3109        | 3117         | rVB2     | 50713          | 73020         | 2.75%           | 0.689%        |
| 26        | 21.562      | 3155          | 3161        | 3168         | rVB      | 317525         | 493093        | 18.54%          | 4.654%        |
| 27        | 23.002      | 3398          | 3406        | 3418         | rBV      | 211379         | 494255        | 18.59%          | 4.665%        |
| 28        | 24.682      | 3684          | 3692        | 3703         | rBV3     | 107667         | 301206        | 11.33%          | 2.843%        |

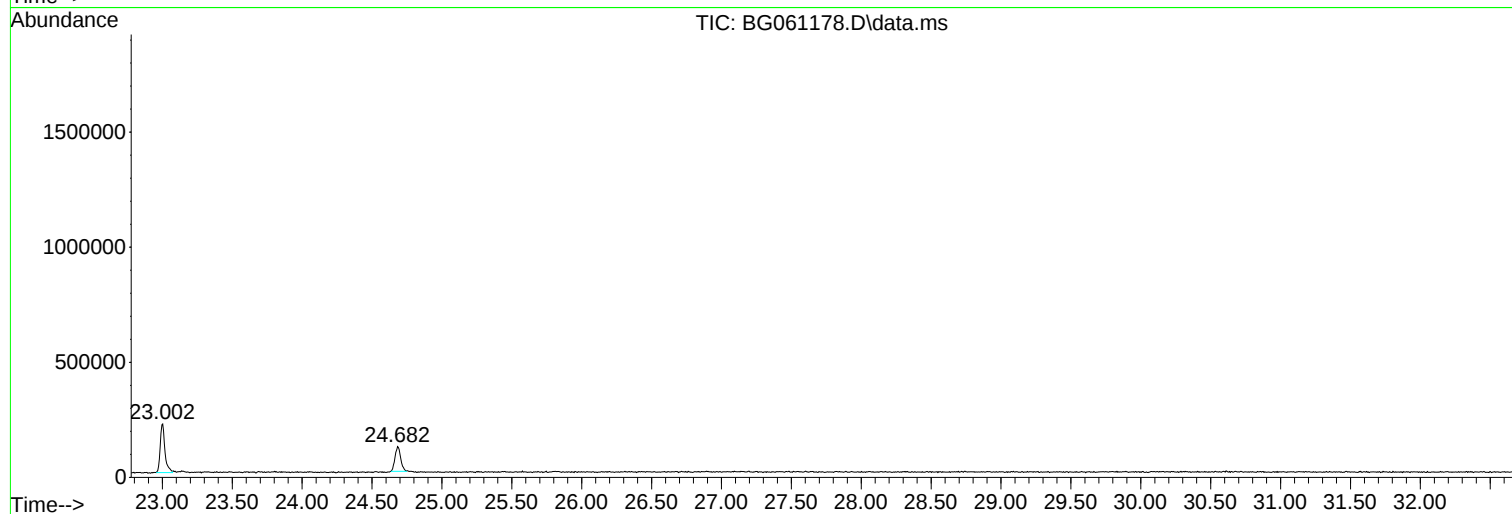
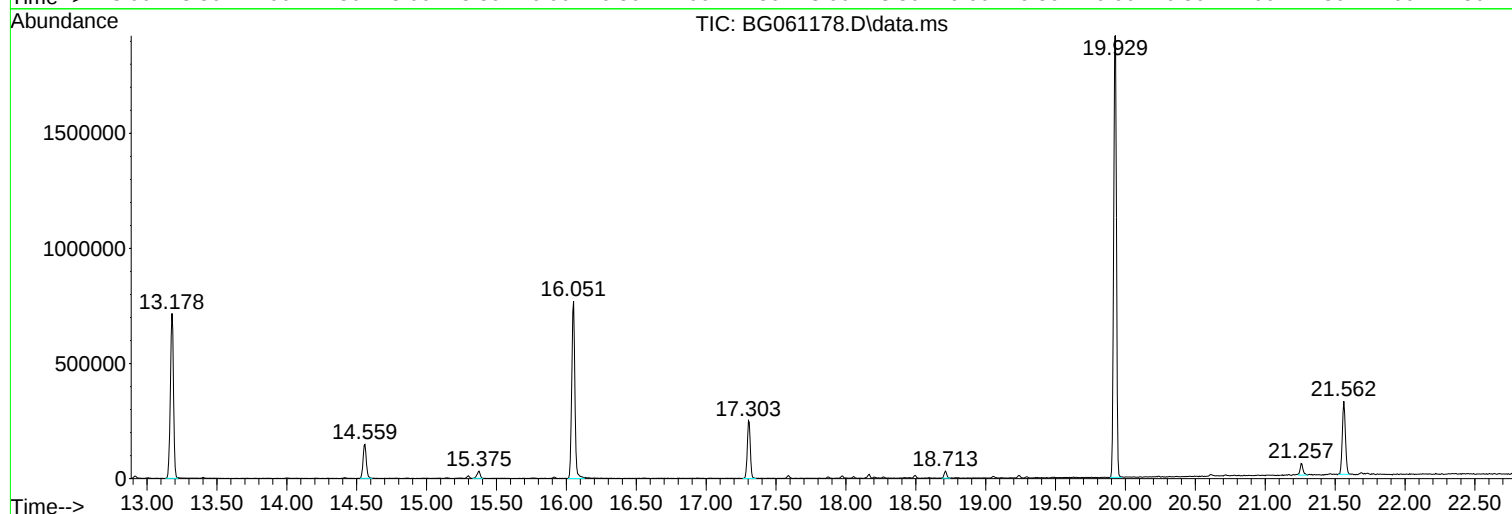
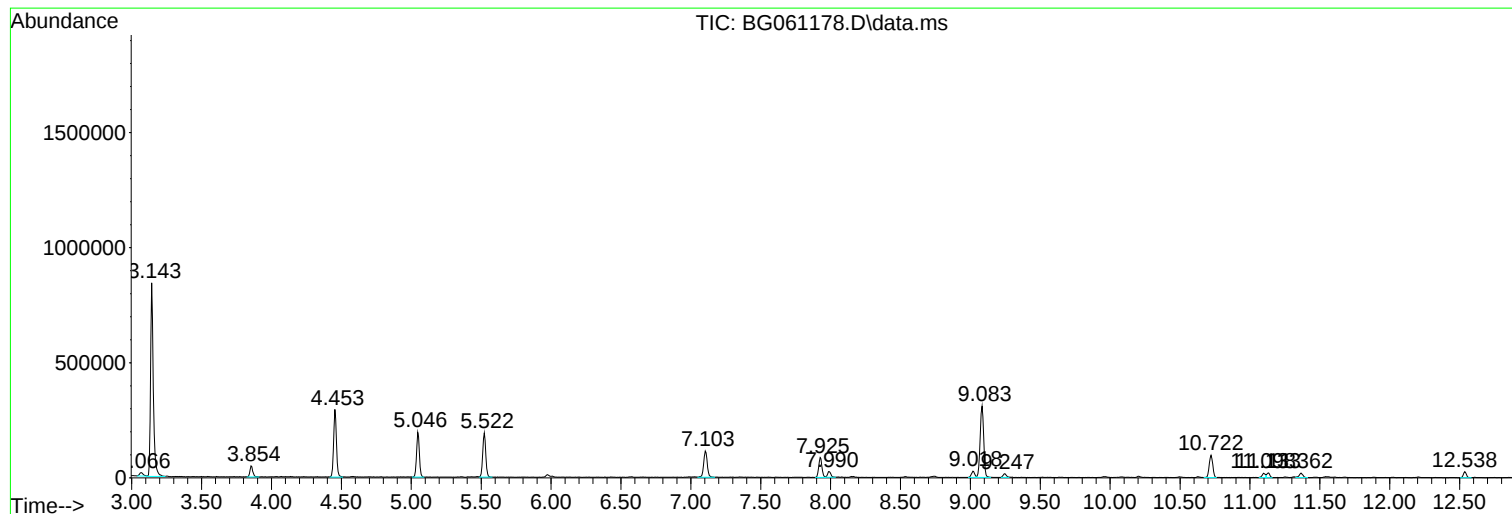
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.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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Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

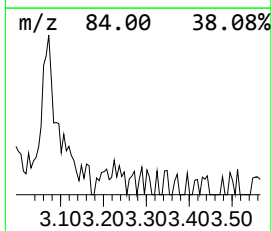
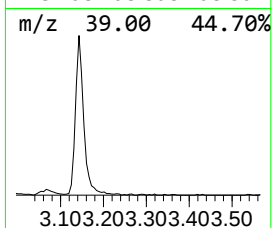
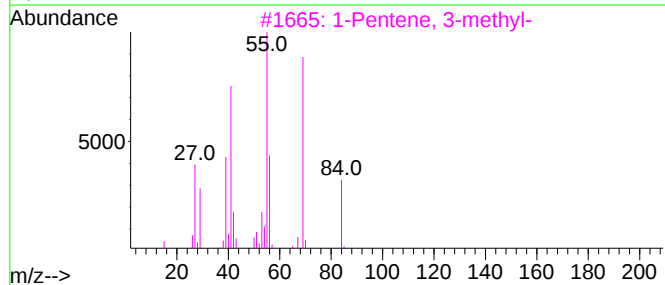
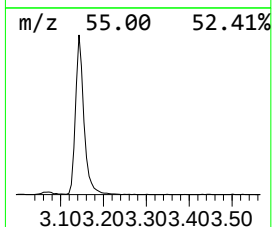
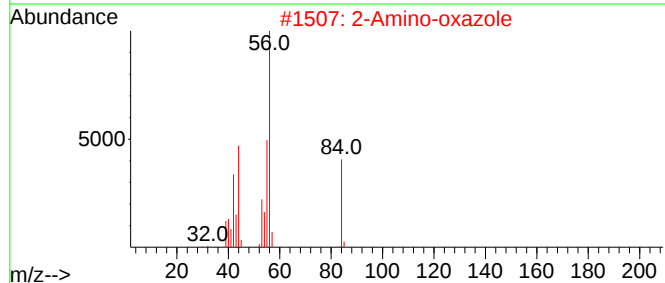
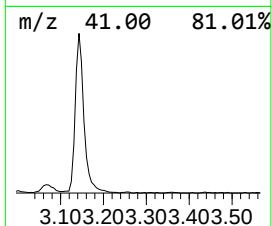
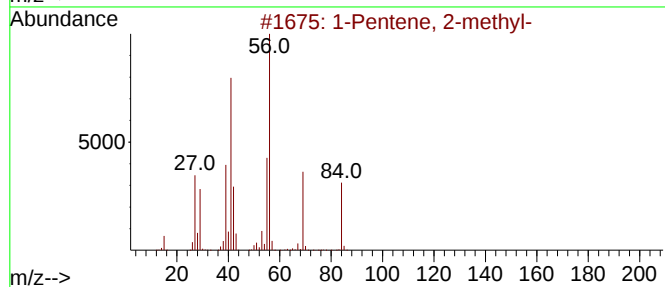
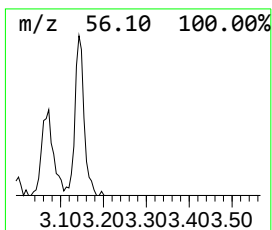
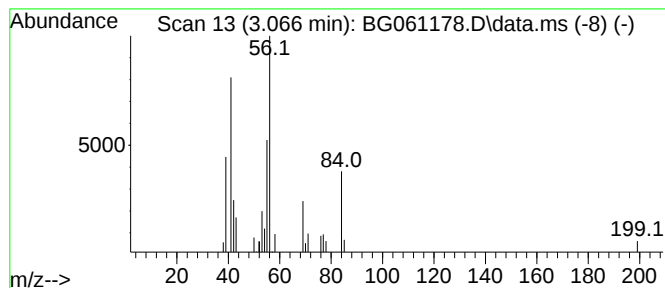
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.066 | 4.11 ng | 28709 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|----|---------|-------------|------|
| 1    |    |   | 1-Pentene, 2-methyl-                | 84 | C6H12   | 000763-29-1 | 72   |
| 2    |    |   | 2-Amino-oxazole                     | 84 | C3H4N2O | 004570-45-0 | 58   |
| 3    |    |   | 1-Pentene, 3-methyl-                | 84 | C6H12   | 000760-20-3 | 53   |
| 4    |    |   | Cyclohexane                         | 84 | C6H12   | 000110-82-7 | 47   |
| 5    |    |   | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12   | 019781-68-1 | 45   |



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Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

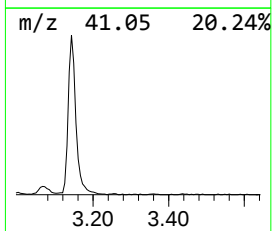
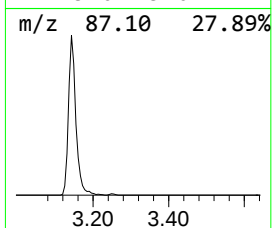
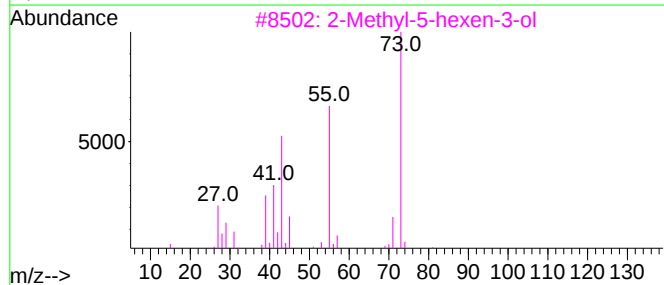
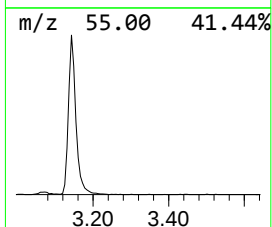
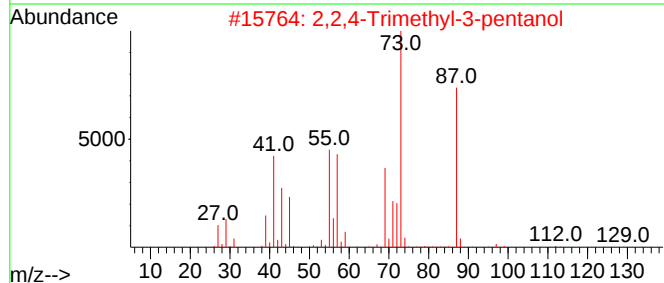
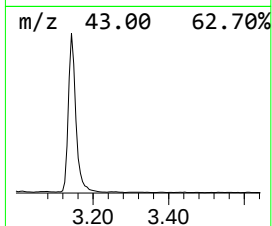
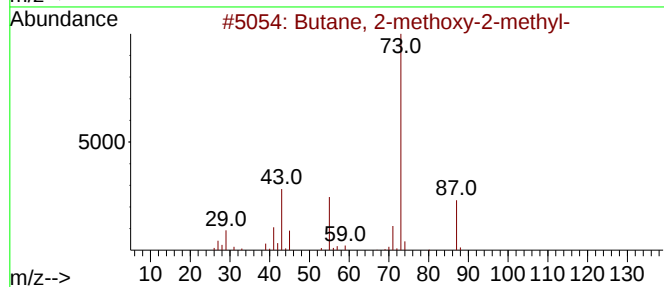
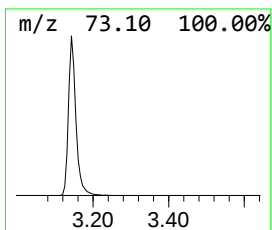
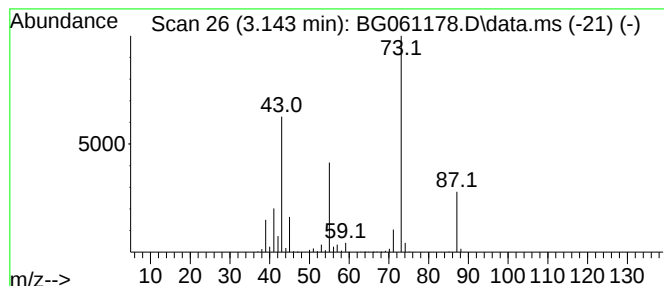
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 3.143 | 164.24 ng | 1146480 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 90   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 38   |
| 3    |    |   | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 37   |
| 4    |    |   | 3-Pentanol, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 33   |
| 5    |    |   | 1,3-Dioxolane, 2-propyl-    | 116 | C6H12O2 | 003390-13-4 | 17   |



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Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

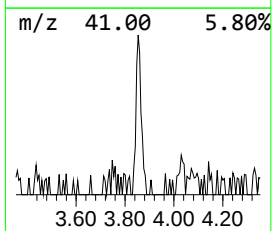
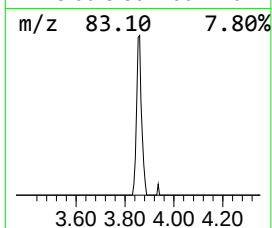
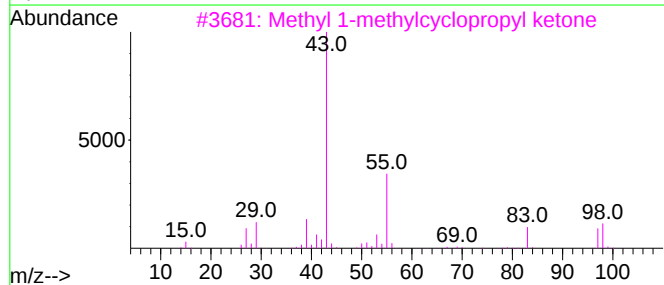
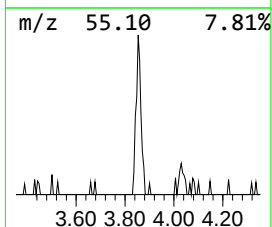
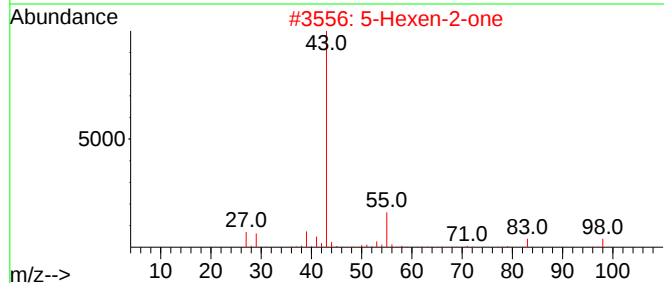
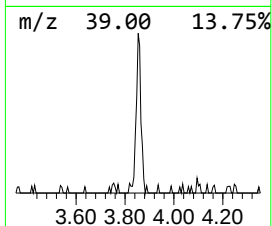
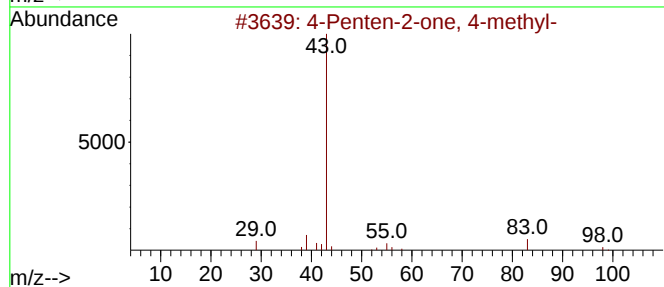
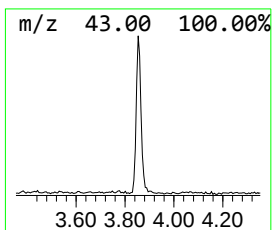
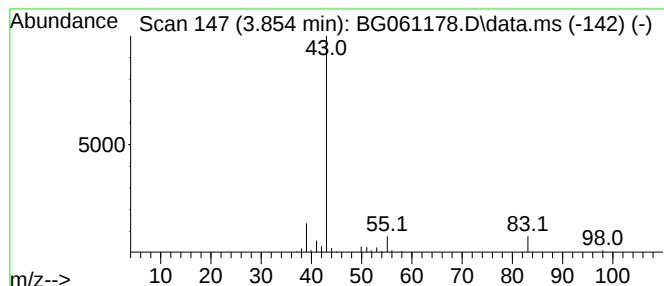
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 4-Penten-2-one, 4-methyl- Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.854 | 9.84 ng | 68675 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of 5 | Tentative ID                       | MW | MolForm | CAS#        | Qual |
|------|------|------------------------------------|----|---------|-------------|------|
| 1    |      | 4-Penten-2-one, 4-methyl-          | 98 | C6H10O  | 003744-02-3 | 53   |
| 2    |      | 5-Hexen-2-one                      | 98 | C6H10O  | 000109-49-9 | 49   |
| 3    |      | Methyl 1-methylcyclopropyl ketone  | 98 | C6H10O  | 001567-75-5 | 12   |
| 4    |      | Ethanone, 1-(2-methylcyclopropyl)- | 98 | C6H10O  | 000930-56-3 | 9    |
| 5    |      | 4-Penten-2-one, 3-methyl-          | 98 | C6H10O  | 000758-87-2 | 9    |



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Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

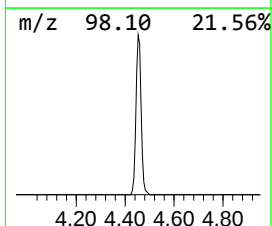
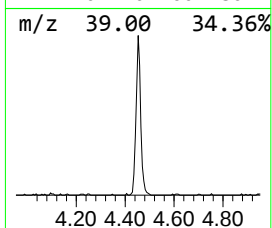
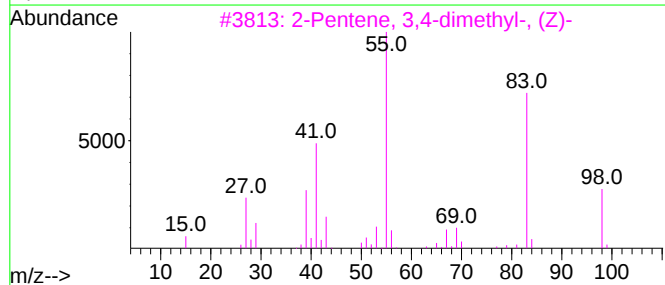
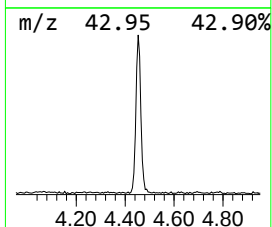
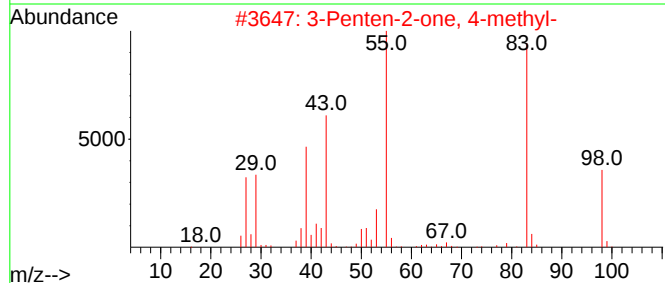
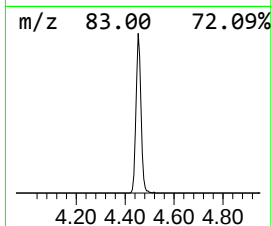
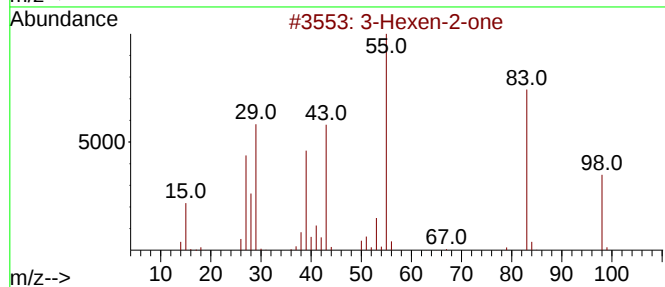
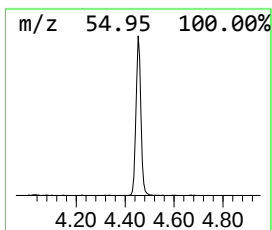
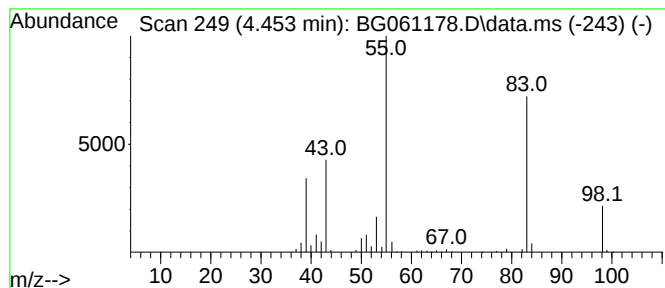
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 3-Hexen-2-one Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 4.453 | 59.60 ng | 416064 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 90   |
| 2    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 78   |
| 3    |    |   | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 72   |
| 4    |    |   | 2-Pentene, 3,4-dimethyl-       | 98 | C7H14   | 024910-63-2 | 72   |
| 5    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 64   |



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BNA\_G  
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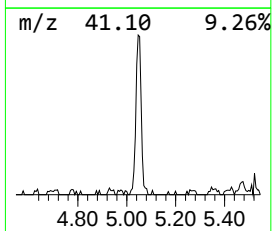
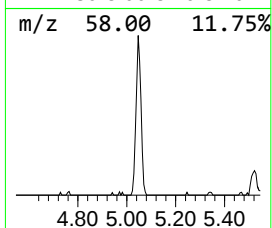
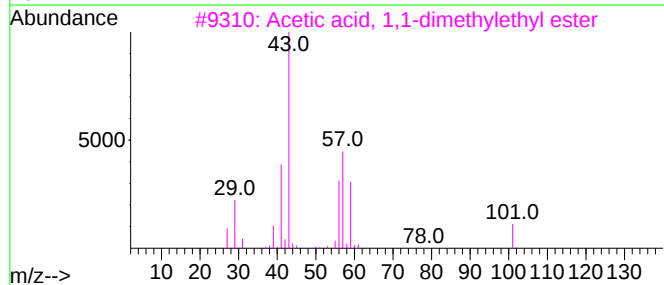
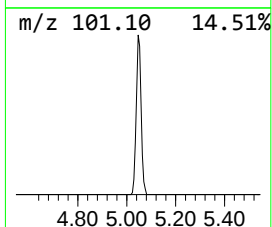
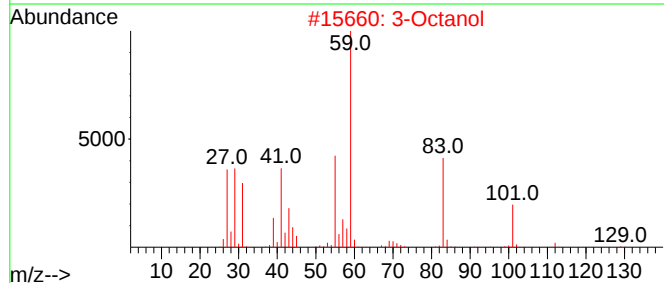
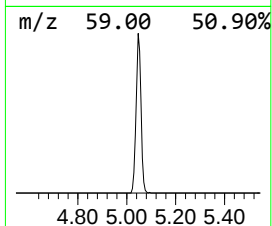
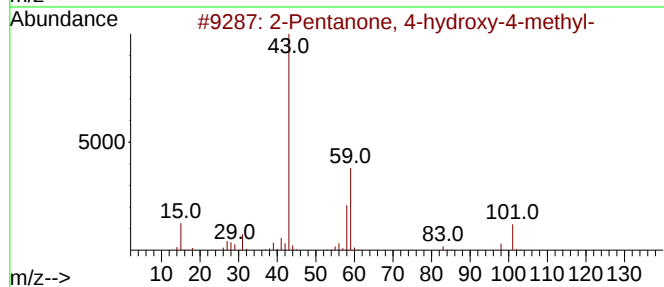
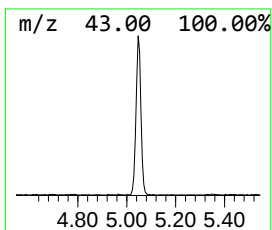
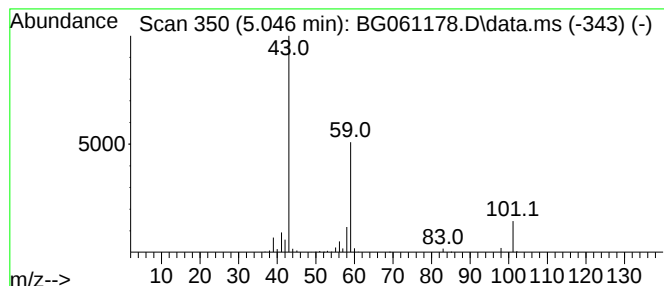
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 5.046 | 39.52 ng | 275847 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | 3-Octanol                           | 130 | C8H18O       | 000589-98-0 | 33      |      |      |
| 3    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 28      |      |      |
| 4    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 25      |      |      |
| 5    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 12      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

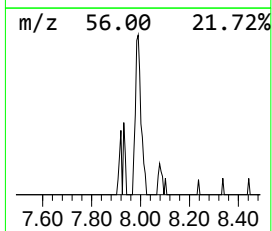
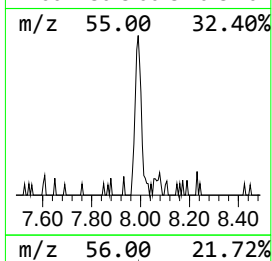
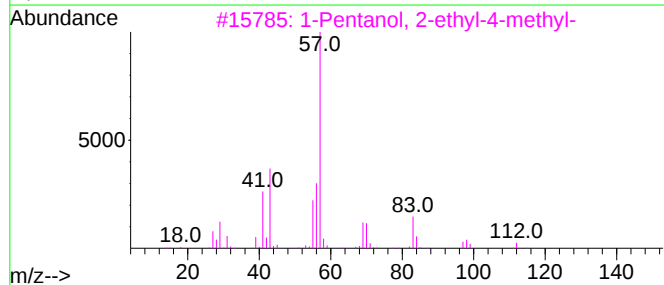
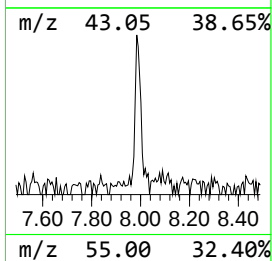
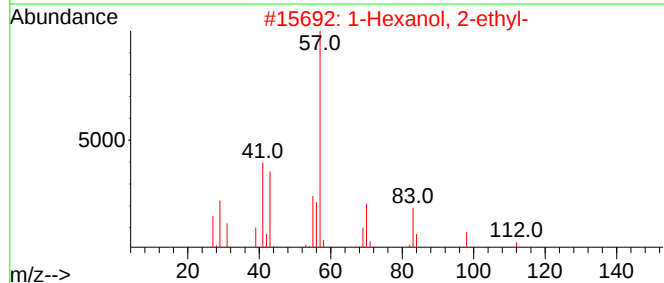
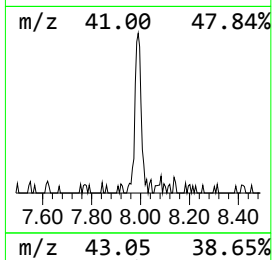
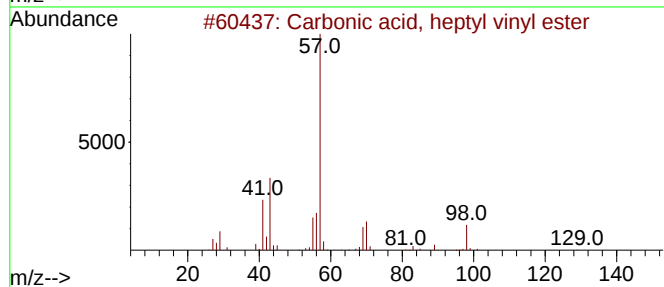
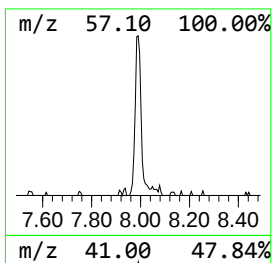
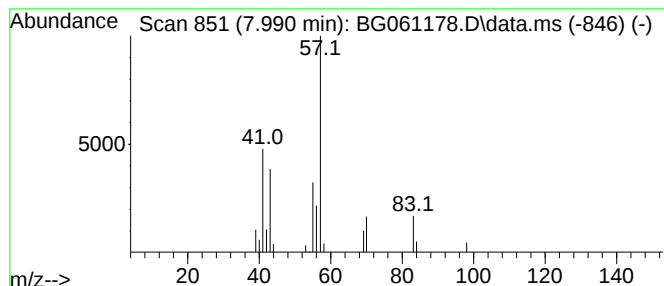
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Carbonic acid, heptyl vinyl... Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.990 | 5.92 ng | 41297 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, heptyl vinyl ester   | 186 | C10H18O3 | 1010383-25-4 | 72   |
| 2    |    |   | 1-Hexanol, 2-ethyl-                 | 130 | C8H18O   | 000104-76-7  | 72   |
| 3    |    |   | 1-Pentanol, 2-ethyl-4-methyl-       | 130 | C8H18O   | 000106-67-2  | 64   |
| 4    |    |   | Carbonic acid, heptyl prop-1-en-... | 200 | C11H20O3 | 1000382-54-1 | 50   |
| 5    |    |   | Oxalic acid, heptyl propyl ester    | 230 | C12H22O4 | 1000309-26-0 | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

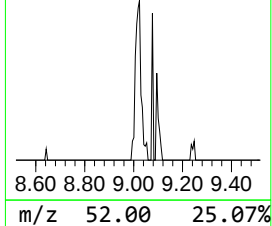
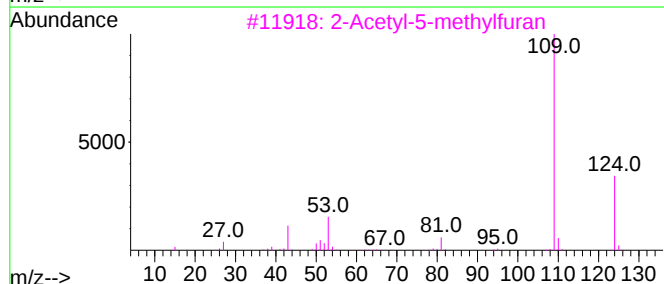
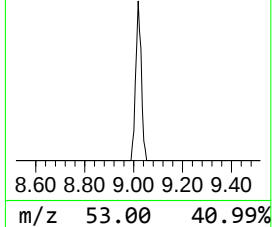
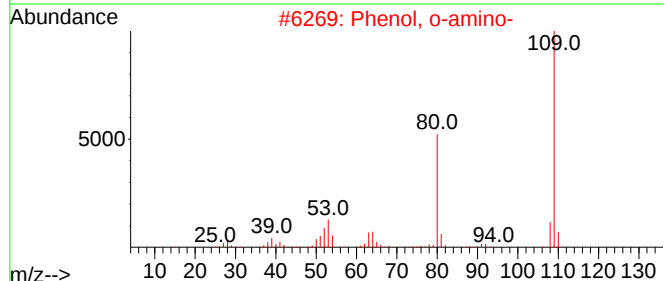
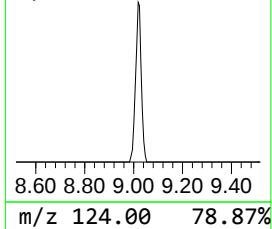
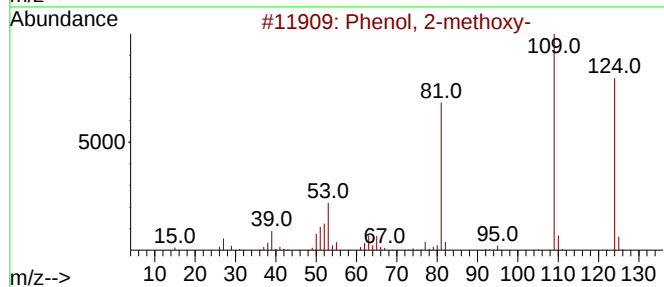
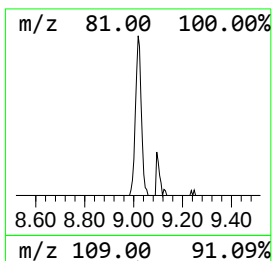
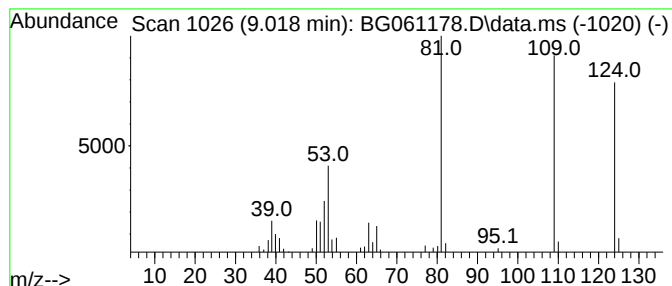
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Phenol, 2-methoxy- Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 9.018 | 6.26 ng | 43671 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenol, 2-methoxy-     | 124 | C7H8O2  | 000090-05-1 | 94   |
| 2    |    |   | Phenol, o-amino-       | 109 | C6H7NO  | 000095-55-6 | 52   |
| 3    |    |   | 2-Acetyl-5-methylfuran | 124 | C7H8O2  | 001193-79-9 | 52   |
| 4    |    |   | Mequinol               | 124 | C7H8O2  | 000150-76-5 | 52   |
| 5    |    |   | 5-Ethyl-2-furaldehyde  | 124 | C7H8O2  | 023074-10-4 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

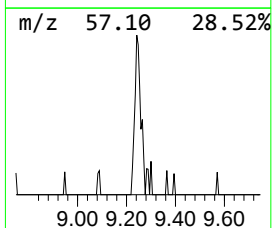
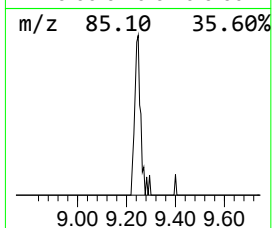
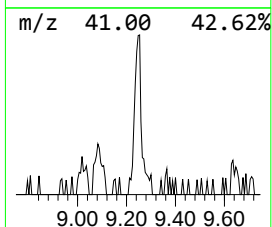
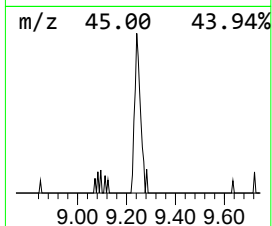
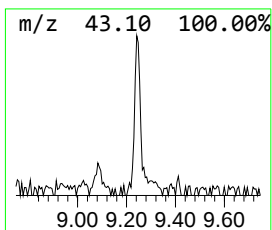
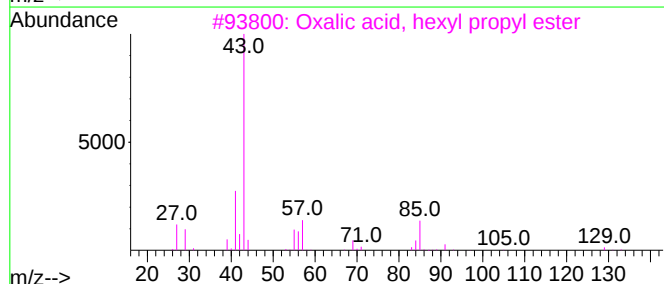
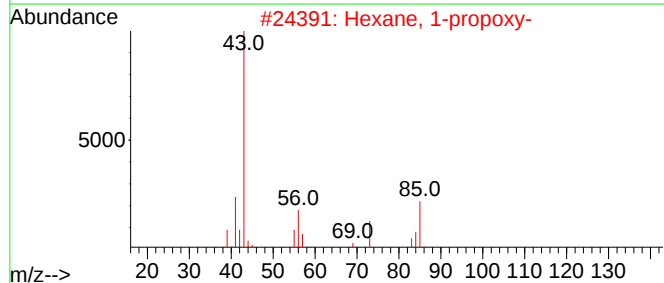
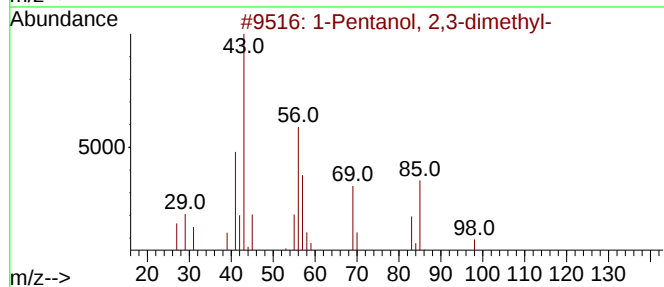
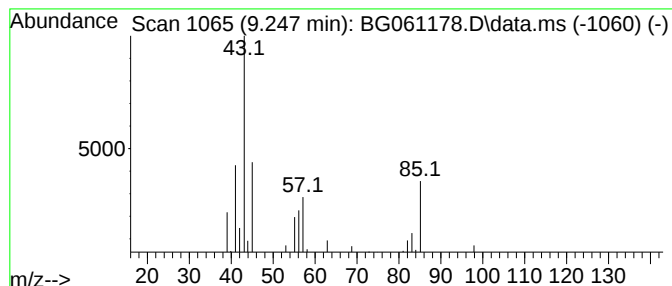
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown9.247 Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 9.247 | 3.88 ng | 27105 | 1,4-Dichlorobenzene-d4 | 7.925 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Pentanol, 2,3-dimethyl-         | 116 | C7H16O   | 010143-23-4  | 25   |
| 2    |    |   | Hexane, 1-propoxy-                | 144 | C9H20O   | 053685-78-2  | 17   |
| 3    |    |   | Oxalic acid, hexyl propyl ester   | 216 | C11H20O4 | 1000309-25-9 | 16   |
| 4    |    |   | Oxalic acid, butyl isohexyl ester | 230 | C12H22O4 | 1000309-32-7 | 16   |
| 5    |    |   | O-Hexylhydroxylamine              | 117 | C6H15NO  | 1000426-05-8 | 10   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

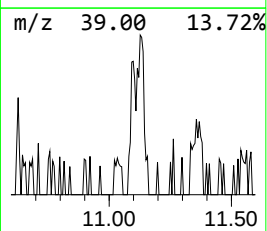
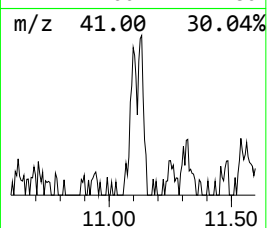
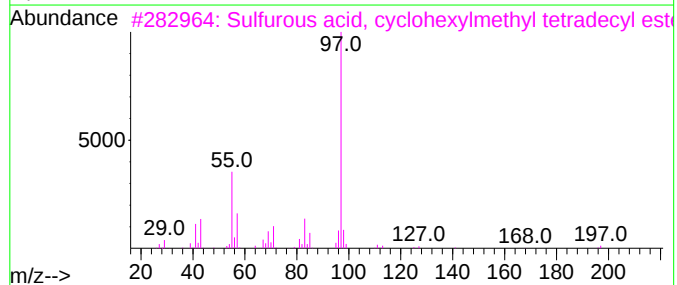
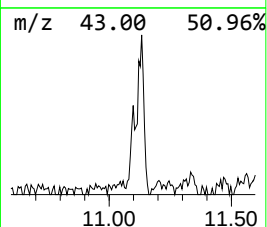
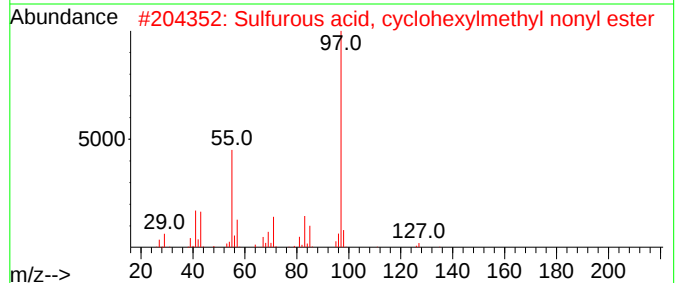
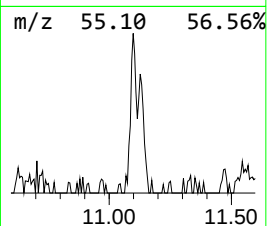
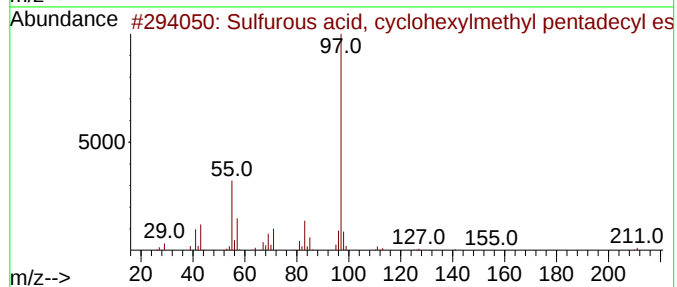
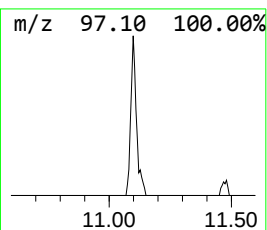
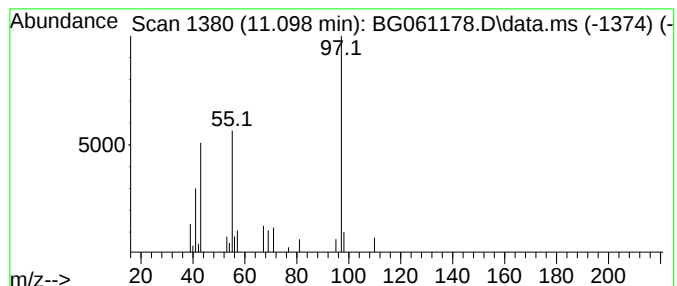
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Sulfurous acid, cyclohexylm... Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.098 | 3.76 ng | 31936 | Naphthalene-d8   | 10.722 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, cyclohexylmethyl... | 388 | C22H44O3S | 1000309-22-3 | 72   |
| 2    |    |   | Sulfurous acid, cyclohexylmethyl... | 304 | C16H32O3S | 1000309-21-8 | 72   |
| 3    |    |   | Sulfurous acid, cyclohexylmethyl... | 374 | C21H42O3S | 1000309-22-2 | 72   |
| 4    |    |   | Sulfurous acid, cyclohexylmethyl... | 262 | C13H26O3S | 1000309-21-5 | 72   |
| 5    |    |   | Oxalic acid, cyclohexylmethyl et... | 214 | C11H18O4  | 1000309-68-0 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

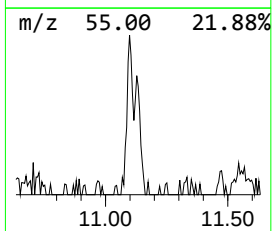
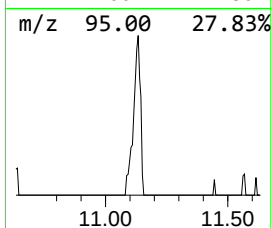
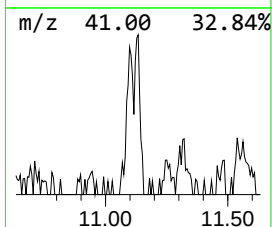
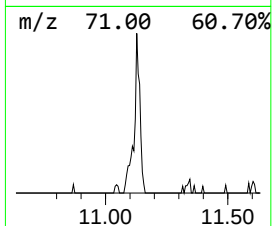
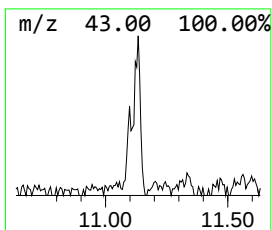
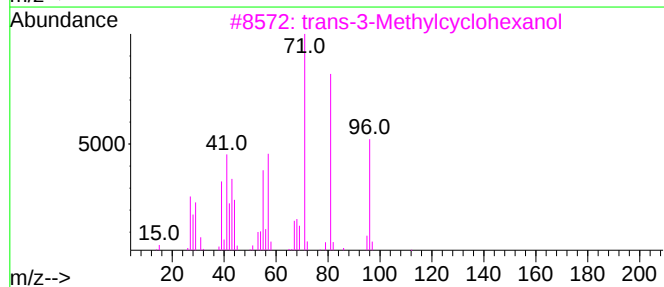
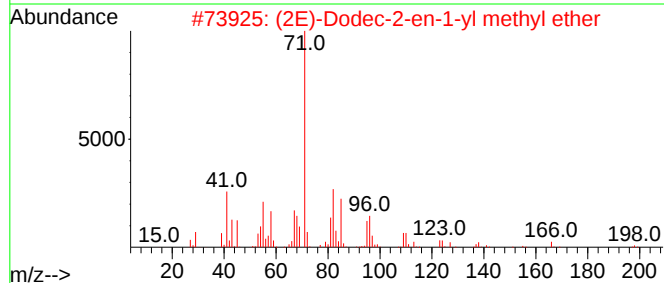
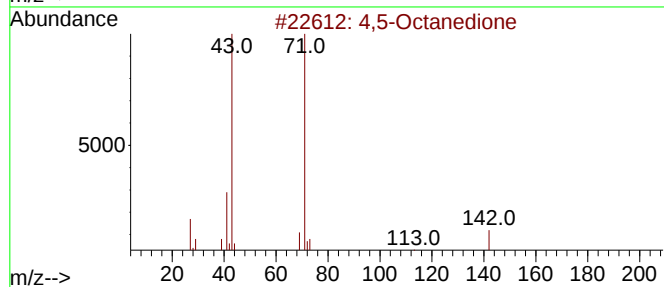
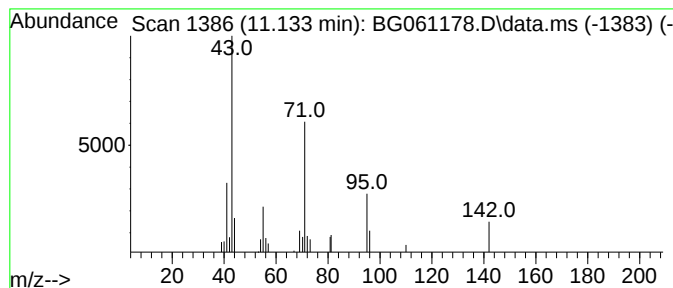
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 unknown11.133 Concentration Rank 13

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.133 | 3.43 ng | 29142 | Naphthalene-d8   | 10.722 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 4,5-Octanedione                     | 142 | C8H14O2  | 005455-24-3  | 47   |
| 2    |    |   | (2E)-Dodec-2-en-1-yl methyl ether   | 198 | C13H26O  | 1000334-06-3 | 40   |
| 3    |    |   | trans-3-Methylcyclohexanol          | 114 | C7H14O   | 007443-55-2  | 28   |
| 4    |    |   | Ether, methyl 1-octadecenyl         | 282 | C19H38O  | 026537-06-4  | 25   |
| 5    |    |   | Ethanedioic acid, bis(3-methylbu... | 230 | C12H22O4 | 002051-00-5  | 12   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

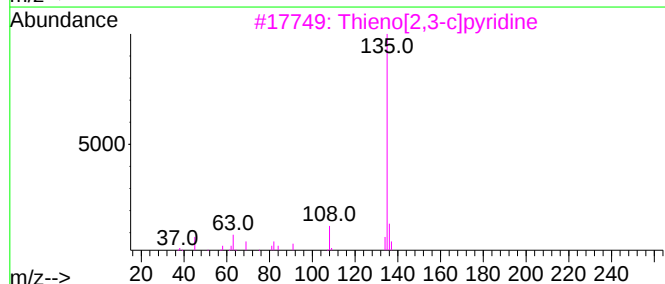
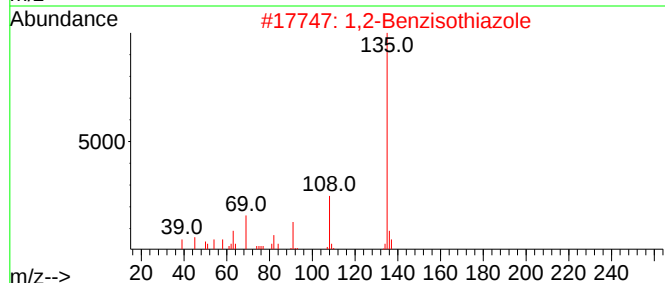
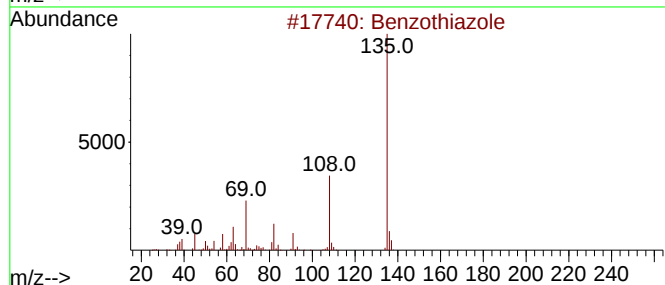
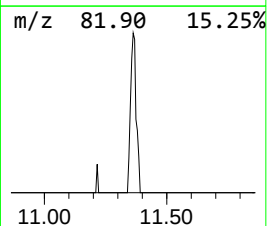
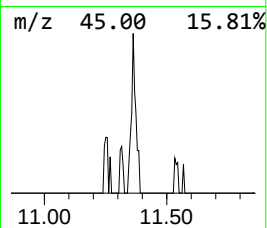
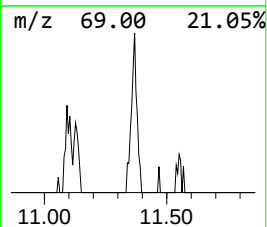
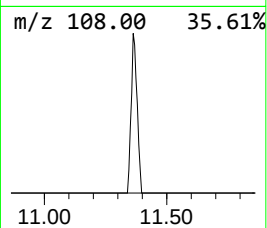
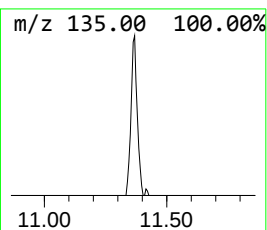
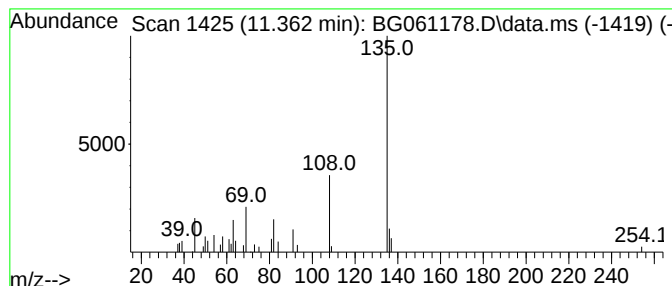
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Benzothiazole Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 11.363 | 4.08 ng | 34613 | Naphthalene-d8   | 10.722 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzothiazole                       | 135 | C7H5NS  | 000095-16-9 | 90   |
| 2    |    |   | 1,2-Benzisothiazole                 | 135 | C7H5NS  | 000272-16-2 | 86   |
| 3    |    |   | Thieno[2,3-c]pyridine               | 135 | C7H5NS  | 000272-12-8 | 72   |
| 4    |    |   | Thieno[3,2-c]pyridine               | 135 | C7H5NS  | 000272-14-0 | 68   |
| 5    |    |   | 1H-Pyrazolo[3,4-d]pyrimidin-4-amine | 135 | C5H5N5  | 002380-63-4 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

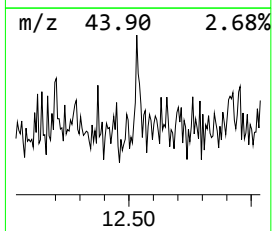
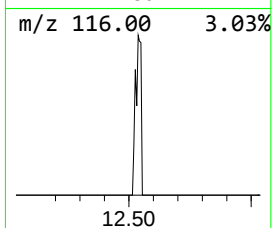
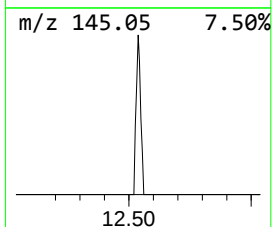
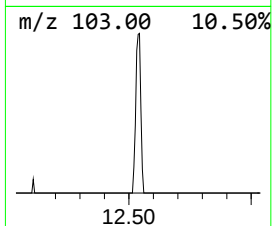
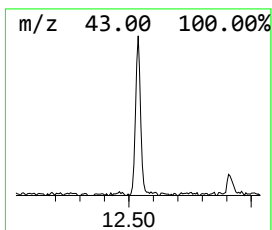
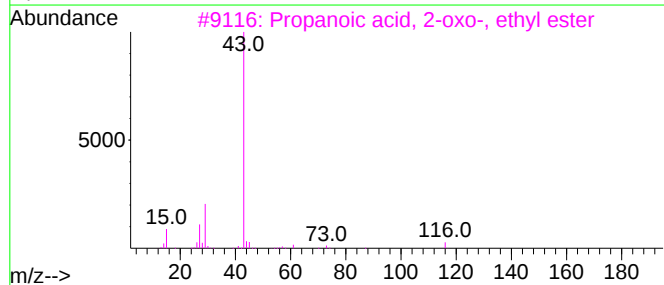
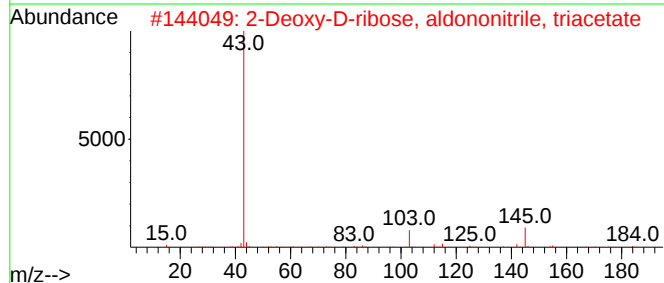
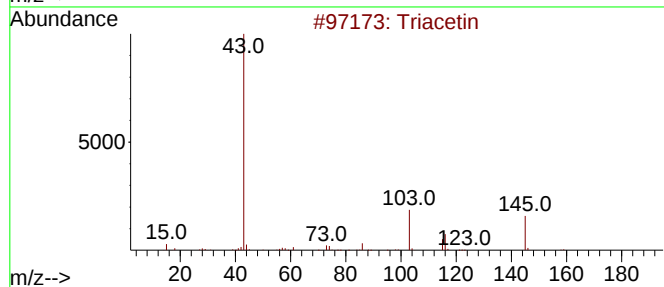
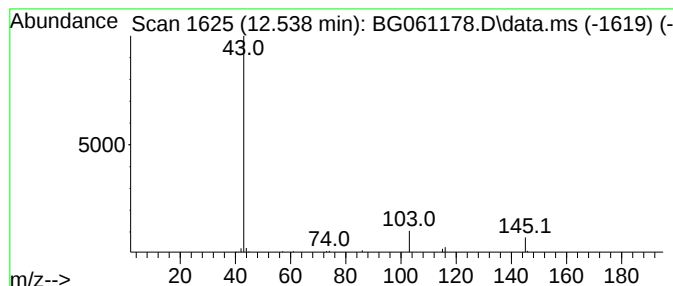
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Triacetin Concentration Rank 8

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.538 | 4.66 ng | 39547 | Naphthalene-d8   | 10.722 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Triacetin                           | 218 | C9H14O6   | 000102-76-1  | 74   |
| 2    |    |   | 2-Deoxy-D-ribose, aldonitrile,...   | 257 | C11H15NO6 | 1000380-43-1 | 38   |
| 3    |    |   | Propanoic acid, 2-oxo-, ethyl ester | 116 | C5H8O3    | 000617-35-6  | 32   |
| 4    |    |   | 1,2,3,4-Butanetetrol, tetraaceta... | 290 | C12H18O8  | 007208-40-4  | 9    |
| 5    |    |   | Glycerol 1,2-diacetate              | 176 | C7H12O5   | 000102-62-5  | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

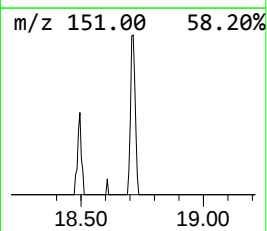
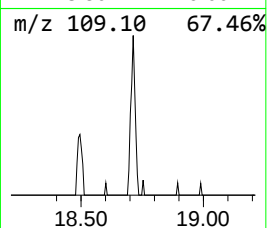
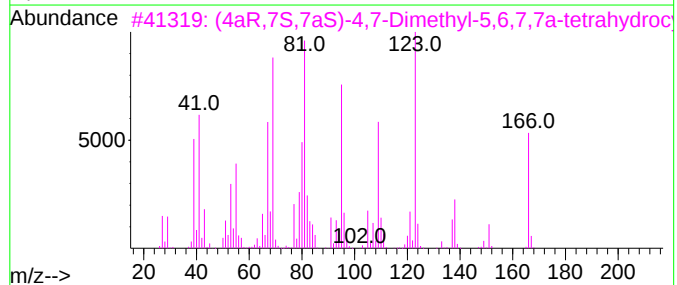
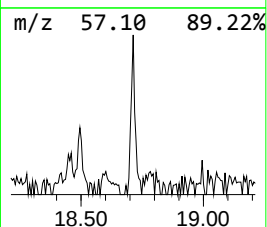
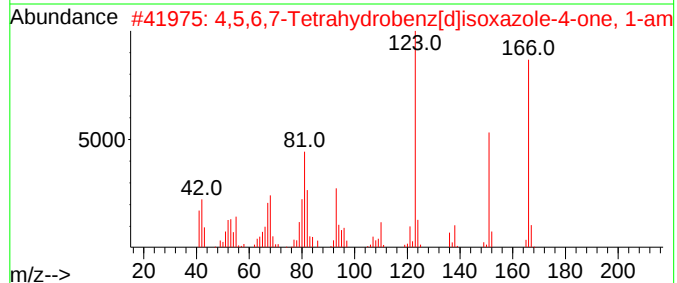
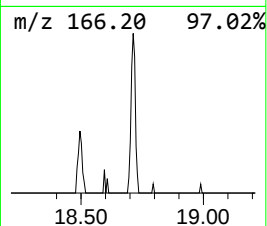
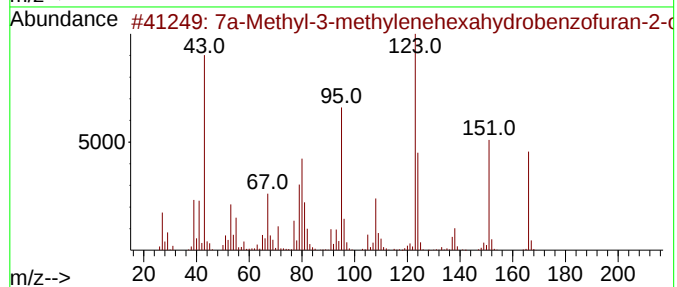
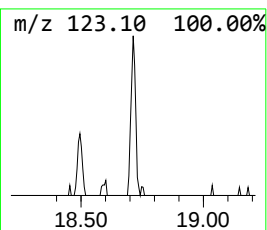
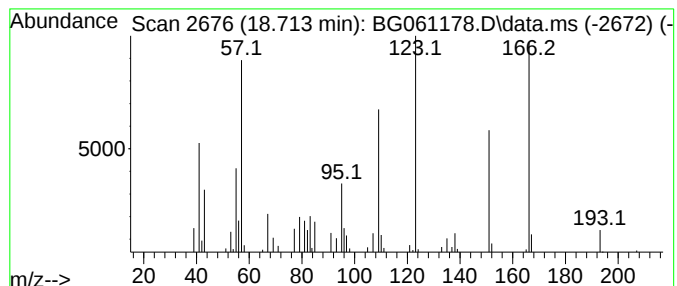
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 7a-Methyl-3-methylenehexahy... Concentration Rank 15

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.713 | 2.03 ng | 38609 | Phenanthrene-d10 | 17.303 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 7a-Methyl-3-methylenehexahydrobe... | 166 | C10H14O2   | 067498-53-7  | 68   |
| 2    |    |   | 4,5,6,7-Tetrahydrobenz[d]isoxazo... | 166 | C8H10N2O2  | 1000131-45-3 | 62   |
| 3    |    |   | (4aR,7S,7aS)-4,7-Dimethyl-5,6,7,... | 166 | C10H14O2   | 021651-53-6  | 59   |
| 4    |    |   | l-Alanine, N-(3-fluorobenzoyl)-,... | 239 | C12H14FN03 | 1000314-11-1 | 50   |
| 5    |    |   | Phenol, 3-methoxy-2,5,6-trimethyl-  | 166 | C10H14O2   | 034883-03-9  | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

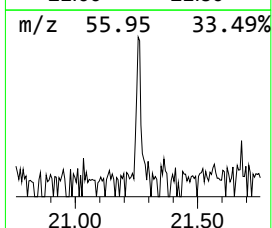
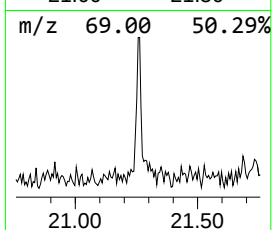
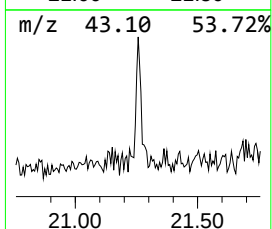
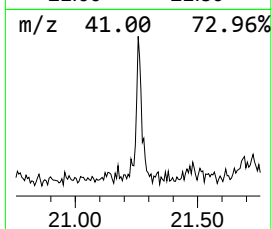
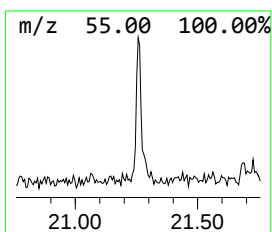
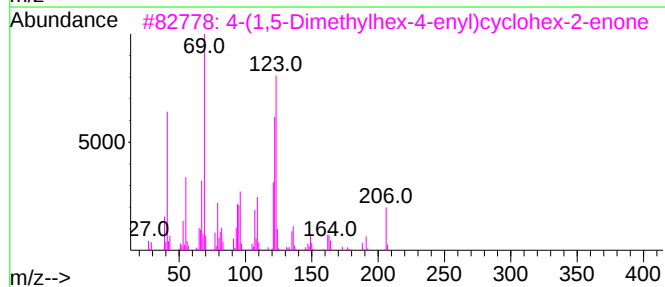
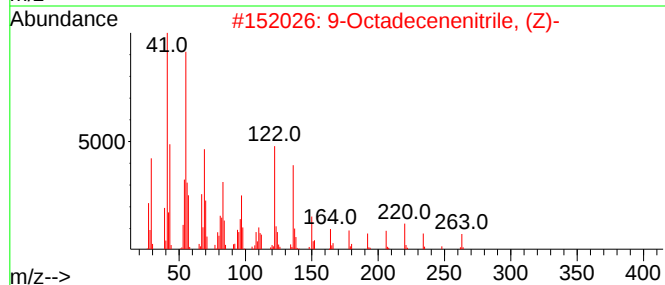
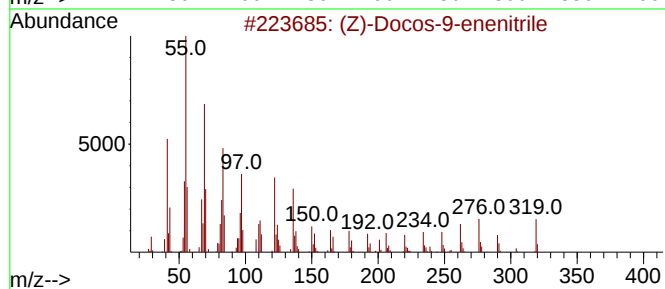
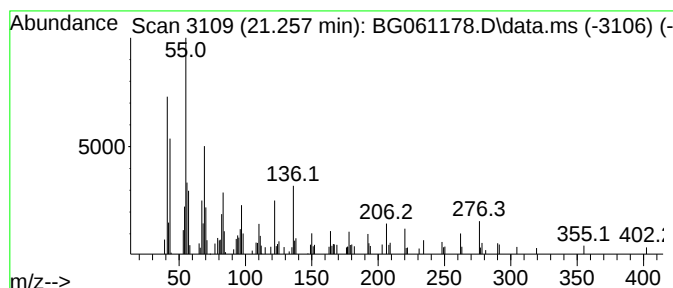
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 (Z)-Docos-9-enenitrile Concentration Rank 14

| R.T.      | EstConc                                                                 | Area  | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------------------------------------------|-------|------------------|--------------|------|
| 21.257    | 2.96 ng                                                                 | 73020 | Chrysene-d12     | 21.562       |      |
| Hit# of 5 | Tentative ID                                                            | MW    | MolForm          | CAS#         | Qual |
| 1         | (Z)-Docos-9-enenitrile                                                  | 319   | C22H41N          | 1000465-48-0 | 76   |
| 2         | 9-Octadecenitrile, (Z)-                                                 | 263   | C18H33N          | 000112-91-4  | 46   |
| 3         | 4-(1,5-Dimethylhex-4-enyl)cyclohex-2-en-1-one                           | 206   | C14H22O          | 001723-80-4  | 35   |
| 4         | Palmitoleonitrile                                                       | 235   | C16H29N          | 056617-97-1  | 27   |
| 5         | Propanenitrile, 3-[1,1-diethyl-4-oxo-1,4-dihydro-2H-pyridin-2-ylidene]- | 262   | C16H26N2O        | 1000277-29-8 | 10   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

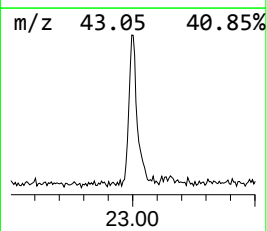
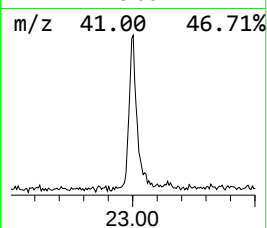
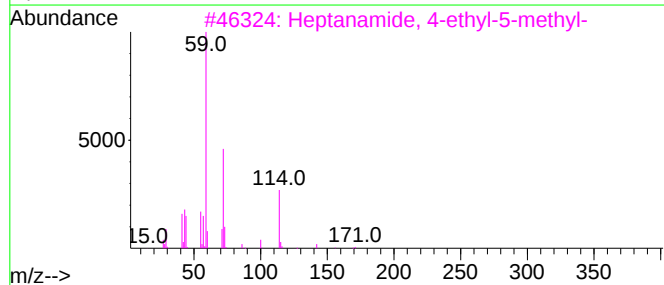
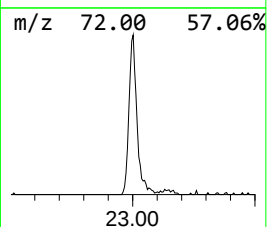
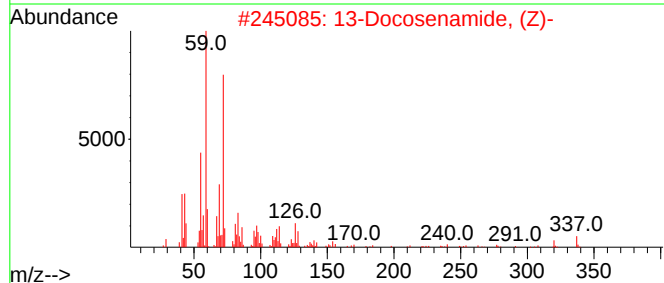
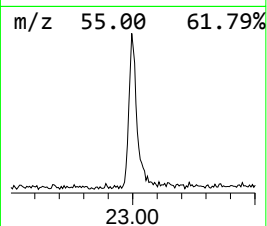
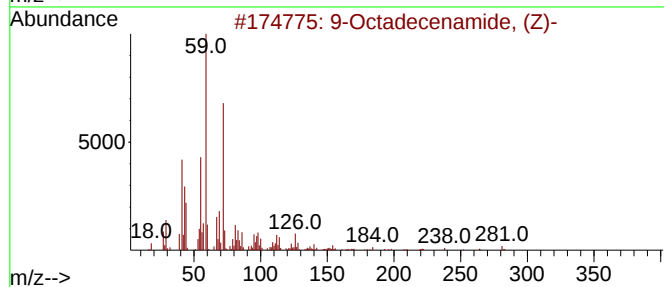
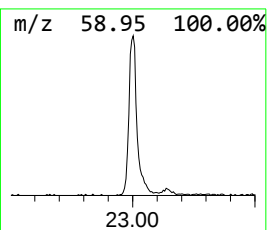
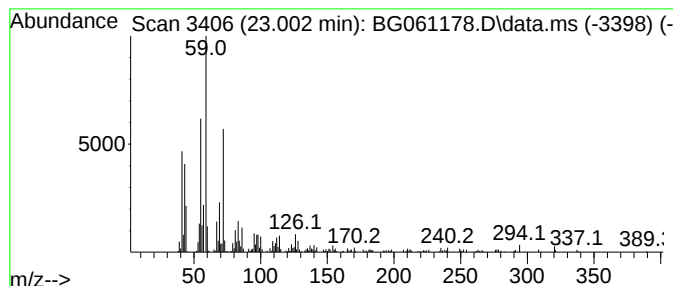
Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.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 15 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 23.002    | 20.05 ng                            | 494255 | Chrysene-d12     | 21.562      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 9-Octadecenamide, (Z)-              | 281    | C18H35NO         | 000301-02-0 | 90   |
| 2         | 13-Docosenamide, (Z)-               | 337    | C22H43NO         | 000112-84-5 | 81   |
| 3         | Heptanamide, 4-ethyl-5-methyl-      | 171    | C10H21NO         | 054789-40-1 | 80   |
| 4         | Benzeneethanamine, 2-fluoro-.bet... | 229    | C11H16FN03       | 061338-98-5 | 64   |
| 5         | 2-Octanol, 2-methyl-6-methylene-    | 156    | C10H20O          | 018479-59-9 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051324\  
Data File : BG061178.D  
Acq On : 13 May 2024 16:46  
Operator : MA/JU  
Sample : P2450-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
1011UMR-RB240507-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 1-Pentene, 2-me... | 3.066  | 4.1     | ng    | 28709    | 1                     | 7.925  | 139611 | 20.0 |
| Butane, 2-metho... | 3.143  | 164.2   | ng    | 1146480  | 1                     | 7.925  | 139611 | 20.0 |
| 4-Penten-2-one,... | 3.854  | 9.8     | ng    | 68675    | 1                     | 7.925  | 139611 | 20.0 |
| 3-Hexen-2-one      | 4.453  | 59.6    | ng    | 416064   | 1                     | 7.925  | 139611 | 20.0 |
| 2-Pentanone, 4-... | 5.046  | 39.5    | ng    | 275847   | 1                     | 7.925  | 139611 | 20.0 |
| Carbonic acid, ... | 7.990  | 5.9     | ng    | 41297    | 1                     | 7.925  | 139611 | 20.0 |
| Phenol, 2-methoxy- | 9.018  | 6.3     | ng    | 43671    | 1                     | 7.925  | 139611 | 20.0 |
| unknown9.247       | 9.247  | 3.9     | ng    | 27105    | 1                     | 7.925  | 139611 | 20.0 |
| Sulfurous acid,... | 11.098 | 3.8     | ng    | 31936    | 2                     | 10.722 | 169705 | 20.0 |
| unknown11.133      | 11.133 | 3.4     | ng    | 29142    | 2                     | 10.722 | 169705 | 20.0 |
| Benzothiazole      | 11.363 | 4.1     | ng    | 34613    | 2                     | 10.722 | 169705 | 20.0 |
| Triacetin          | 12.538 | 4.7     | ng    | 39547    | 2                     | 10.722 | 169705 | 20.0 |
| 7a-Methyl-3-met... | 18.713 | 2.0     | ng    | 38609    | 4                     | 17.303 | 380237 | 20.0 |
| (Z)-Docos-9-ene... | 21.257 | 3.0     | ng    | 73020    | 5                     | 21.562 | 493093 | 20.0 |
| 9-Octadecenamid... | 23.002 | 20.1    | ng    | 494255   | 5                     | 21.562 | 493093 | 20.0 |