

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071621\  
 Data File : BF124603.D  
 Acq On : 16 Jul 2021 18:57  
 Operator : JU/CG  
 Sample : M3029-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVR-CF04-01

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\_F\METHODS\8270-BF070721.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124603.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         | 2.258       | 25            | 29          | 32           | rBB      | 9098           | 10120         | 7.03%           | 1.008%        |
| 2         | 5.157       | 519           | 522         | 525          | rBB      | 2229           | 2319          | 1.61%           | 0.231%        |
| 3         | 5.540       | 582           | 587         | 590          | rBB      | 141699         | 137327        | 95.33%          | 13.679%       |
| 4         | 6.540       | 752           | 757         | 760          | rBB      | 130475         | 141416        | 98.17%          | 14.087%       |
| 5         | 6.922       | 819           | 822         | 825          | rBB      | 50650          | 37039         | 25.71%          | 3.690%        |
| 6         | 7.487       | 913           | 918         | 920          | rBB      | 106650         | 94957         | 65.92%          | 9.459%        |
| 7         | 8.104       | 1020          | 1023        | 1026         | rBB      | 28914          | 21425         | 14.87%          | 2.134%        |
| 8         | 8.204       | 1037          | 1040        | 1043         | rBB      | 63185          | 51818         | 35.97%          | 5.162%        |
| 9         | 9.281       | 1219          | 1223        | 1226         | rBV      | 170595         | 144050        | 100.00%         | 14.349%       |
| 10        | 9.963       | 1336          | 1339        | 1342         | rBV      | 77376          | 57767         | 40.10%          | 5.754%        |
| 11        | 10.751      | 1469          | 1473        | 1476         | rBB      | 117678         | 89208         | 61.93%          | 8.886%        |
| 12        | 11.451      | 1589          | 1592        | 1595         | rBV      | 65296          | 50117         | 34.79%          | 4.992%        |
| 13        | 11.969      | 1677          | 1680        | 1682         | rBB      | 9466           | 5990          | 4.16%           | 0.597%        |
| 14        | 12.663      | 1796          | 1798        | 1800         | rBB      | 4759           | 2931          | 2.03%           | 0.292%        |
| 15        | 12.757      | 1811          | 1814        | 1816         | rBB      | 4275           | 3445          | 2.39%           | 0.343%        |
| 16        | 12.892      | 1835          | 1837        | 1839         | rBB      | 3503           | 2130          | 1.48%           | 0.212%        |
| 17        | 13.039      | 1858          | 1862        | 1865         | rBB      | 87453          | 75399         | 52.34%          | 7.511%        |
| 18        | 13.104      | 1871          | 1873        | 1875         | rBB      | 4281           | 2755          | 1.91%           | 0.274%        |
| 19        | 13.933      | 2012          | 2014        | 2021         | rBB2     | 4685           | 6649          | 4.62%           | 0.662%        |
| 20        | 14.092      | 2037          | 2041        | 2044         | rBV      | 33042          | 26334         | 18.28%          | 2.623%        |
| 21        | 14.557      | 2118          | 2120        | 2122         | rBV      | 3007           | 2460          | 1.71%           | 0.245%        |
| 22        | 14.857      | 2168          | 2171        | 2175         | rBB2     | 2540           | 3151          | 2.19%           | 0.314%        |
| 23        | 15.221      | 2230          | 2233        | 2237         | rBB2     | 5690           | 6098          | 4.23%           | 0.607%        |
| 24        | 15.586      | 2291          | 2295        | 2299         | rBV      | 20986          | 24184         | 16.79%          | 2.409%        |
| 25        | 16.074      | 2374          | 2378        | 2382         | rBB      | 3692           | 4809          | 3.34%           | 0.479%        |

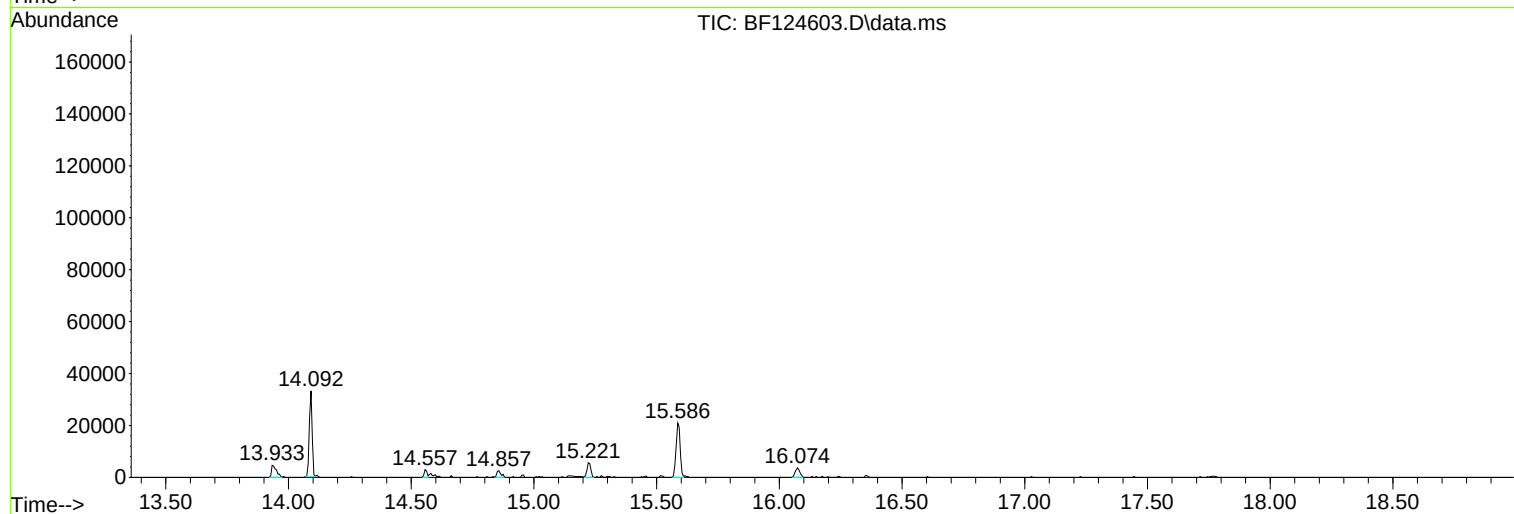
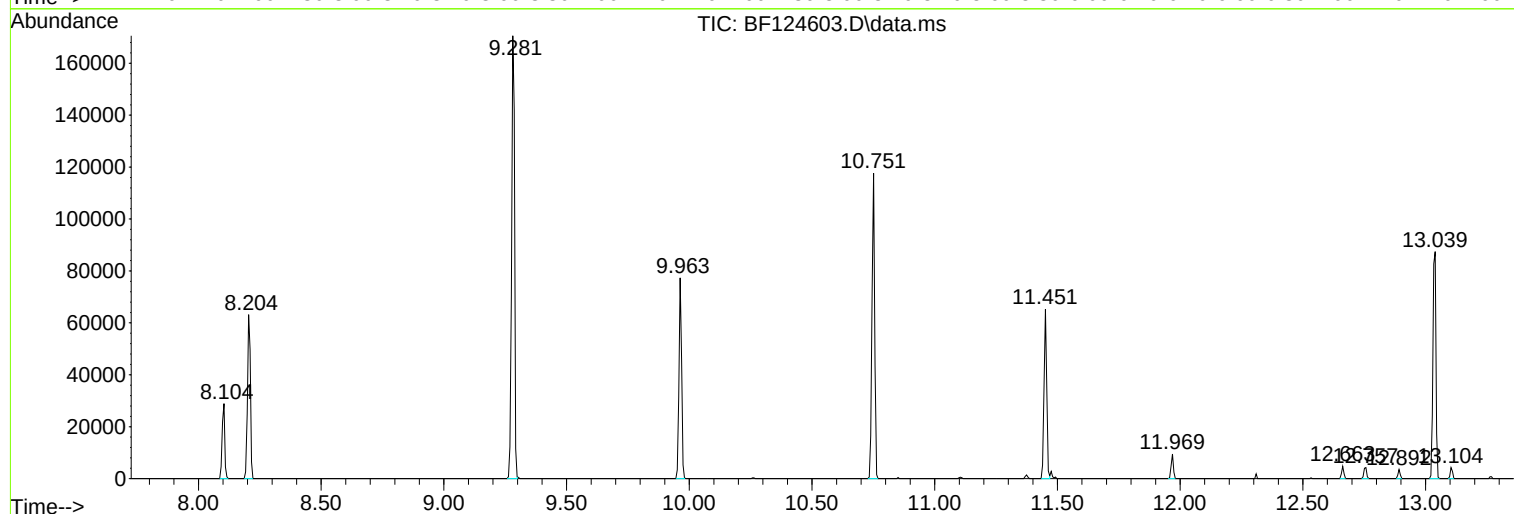
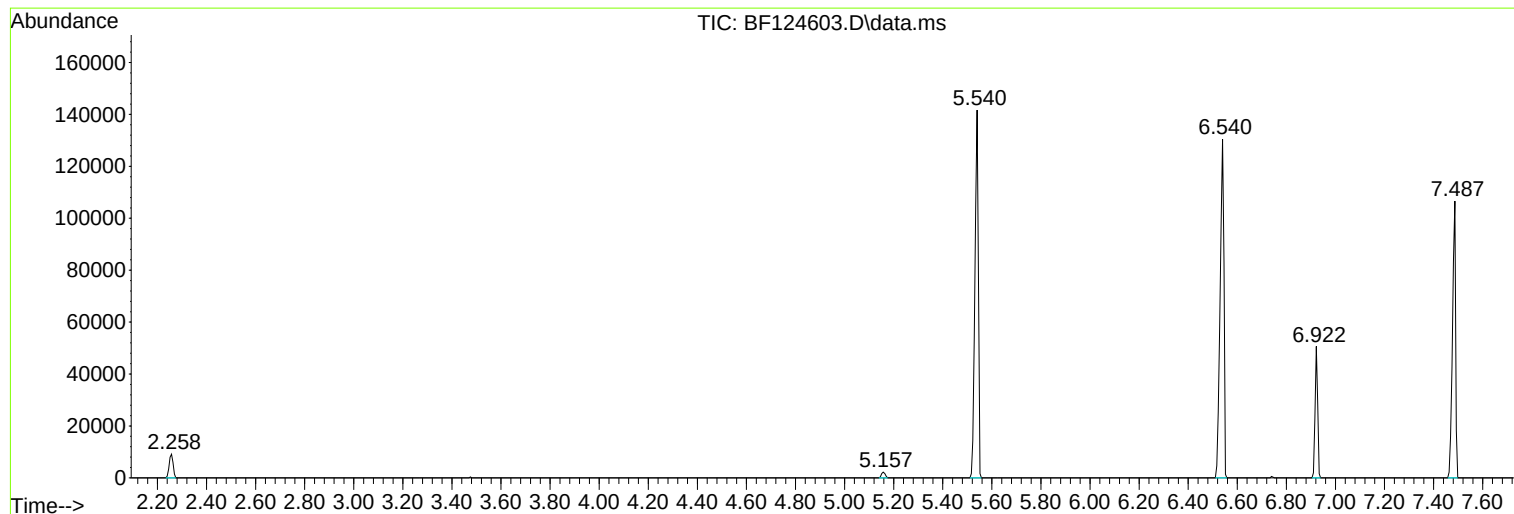
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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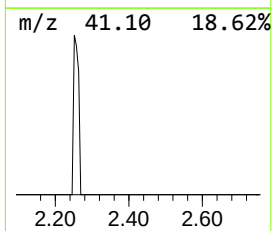
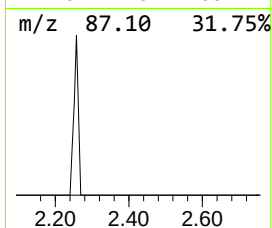
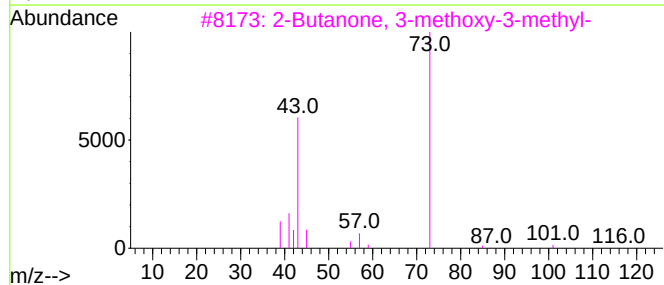
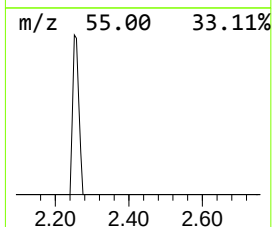
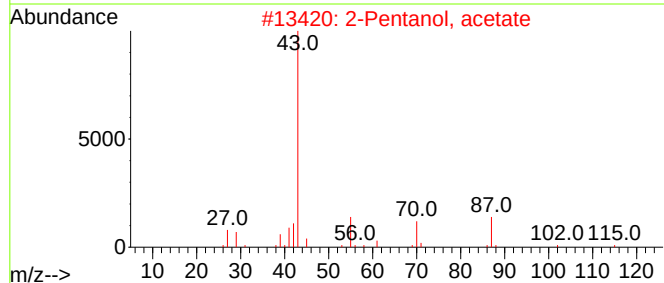
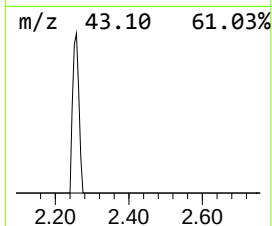
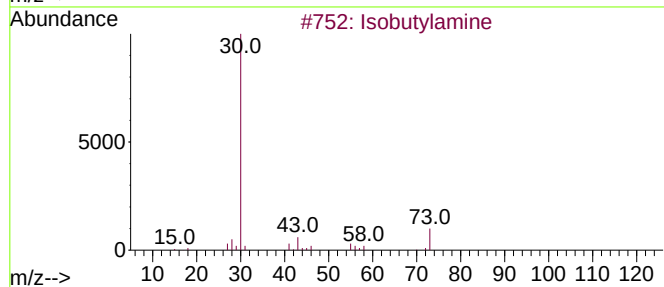
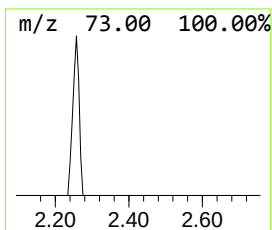
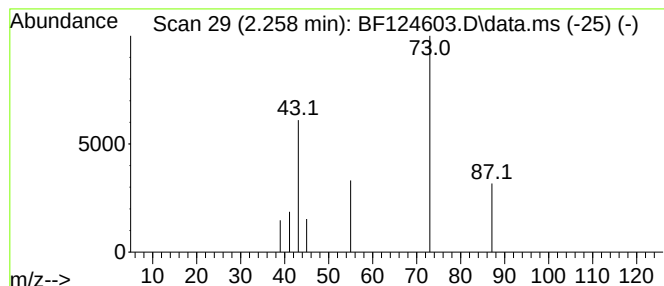
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown2.258 Concentration Rank 2

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 2.258 | 5.46 ng | 10120 | 1,4-Dichlorobenzene-d4 | 6.922 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Isobutylamine                   | 73  | C4H11N  | 000078-81-9 | 4    |
| 2    |    |   | 2-Pentanol, acetate             | 130 | C7H14O2 | 000626-38-0 | 4    |
| 3    |    |   | 2-Butanone, 3-methoxy-3-methyl- | 116 | C6H12O2 | 036687-98-6 | 4    |
| 4    |    |   | 1-Butanamine, 3-methyl-         | 87  | C5H13N  | 000107-85-7 | 4    |
| 5    |    |   | 1-Pentanamine                   | 87  | C5H13N  | 000110-58-7 | 3    |



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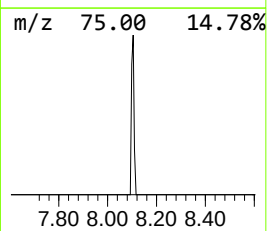
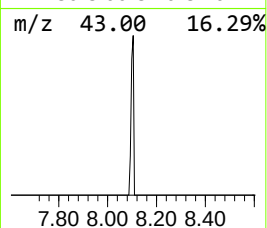
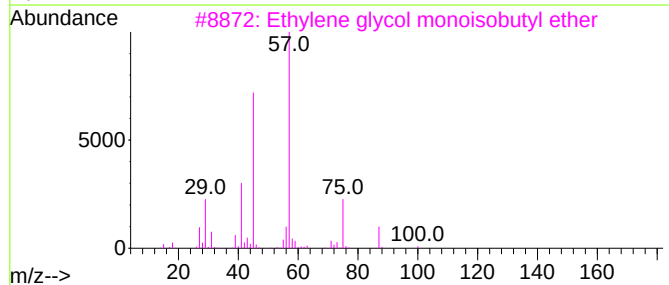
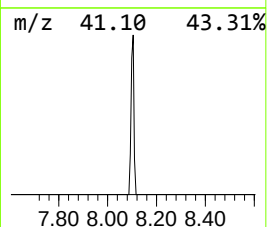
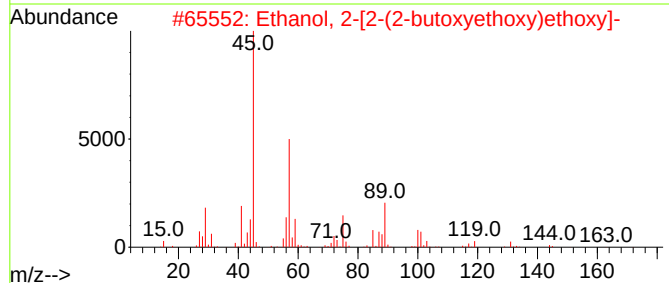
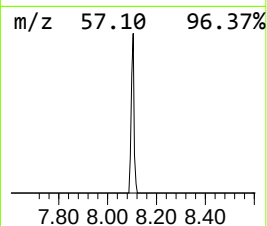
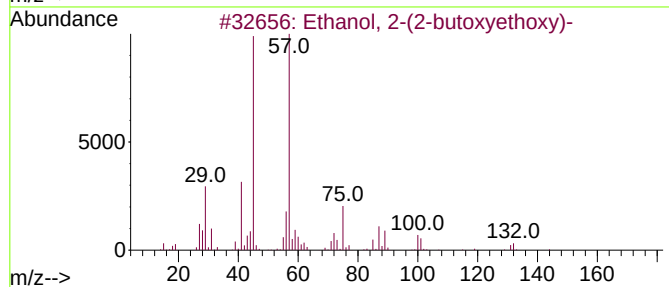
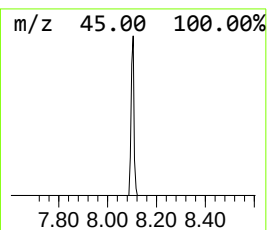
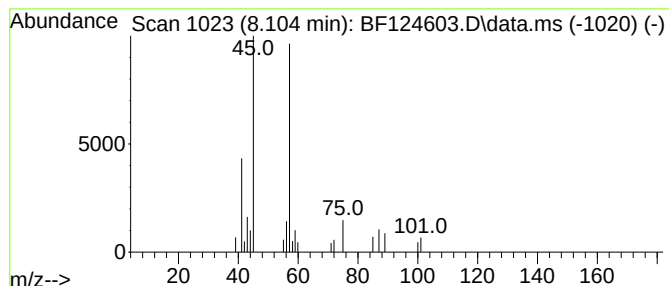
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 8.104 | 8.27 ng | 21425 | Naphthalene-d8   | 8.204 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 90   |
| 2    |    |   | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 56   |
| 3    |    |   | Ethylene glycol monoisobutyl ether  | 118 | C6H14O2  | 004439-24-1 | 45   |
| 4    |    |   | Methoxyacetic acid, heptyl ester    | 188 | C10H20O3 | 168920-36-3 | 33   |
| 5    |    |   | Propanoic acid, 2-hydroxy-, buty... | 146 | C7H14O3  | 000138-22-7 | 28   |



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ClientSampleId :  
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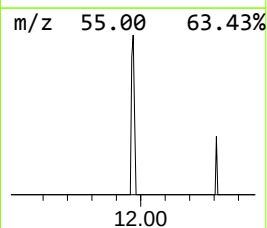
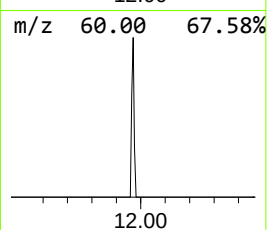
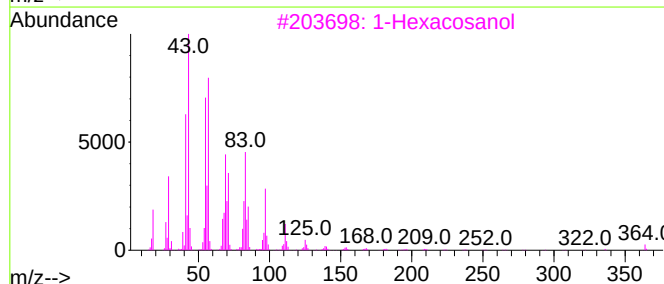
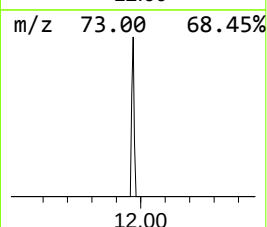
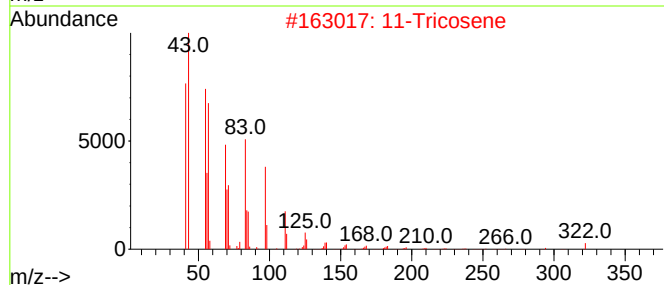
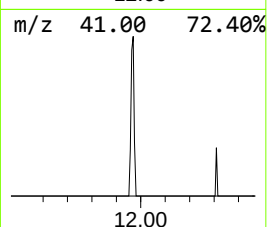
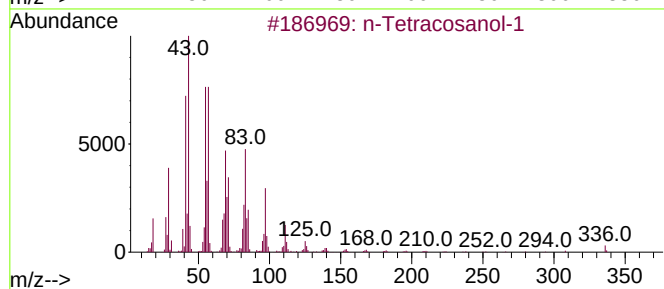
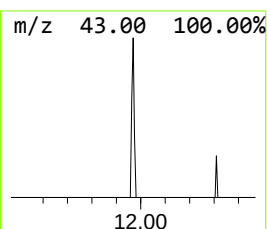
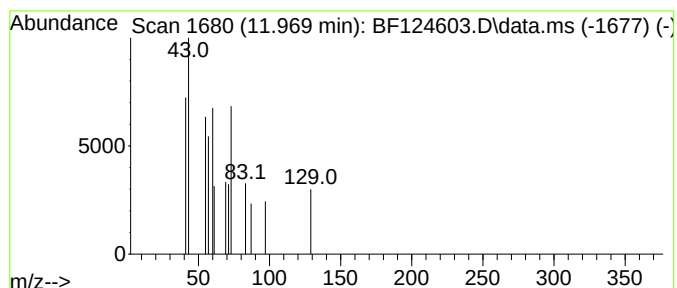
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 3 unknown11.969 Concentration Rank 7

| R.T.      | EstConc                            | Area | Relative to ISTD |          | R.T.         |      |
|-----------|------------------------------------|------|------------------|----------|--------------|------|
| 11.969    | 2.39 ng                            | 5990 | Phenanthrene-d10 |          | 11.451       |      |
| Hit# of 5 | Tentative ID                       |      | MW               | MolForm  | CAS#         | Qual |
| 1         | n-Tetracosanol-1                   |      | 354              | C24H50O  | 000506-51-4  | 22   |
| 2         | 11-Tricosene                       |      | 322              | C23H46   | 052078-56-5  | 14   |
| 3         | 1-Hexacosanol                      |      | 382              | C26H54O  | 000506-52-5  | 12   |
| 4         | Oxalic acid, allyl octadecyl ester |      | 382              | C23H42O4 | 1000309-24-5 | 12   |
| 5         | Heptadecyl acetate                 |      | 298              | C19H38O2 | 000822-20-8  | 12   |



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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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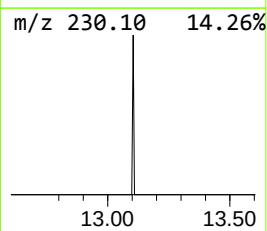
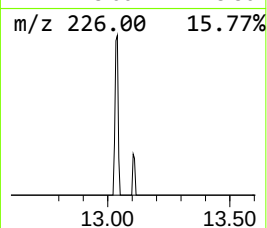
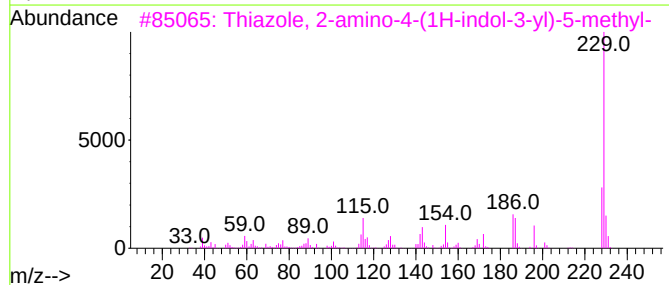
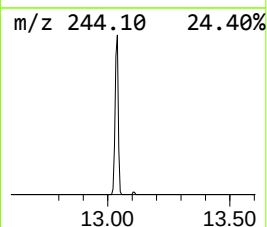
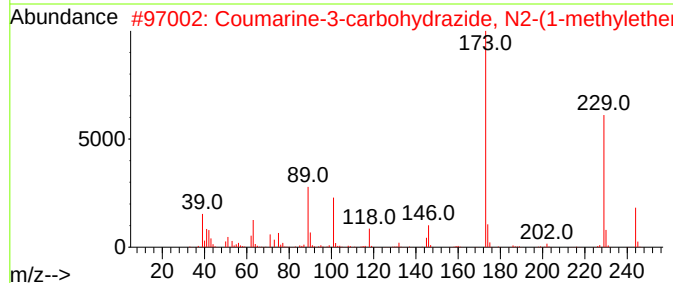
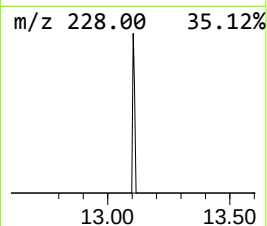
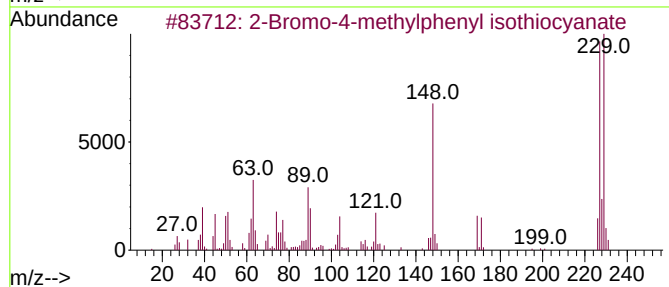
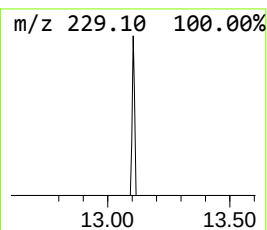
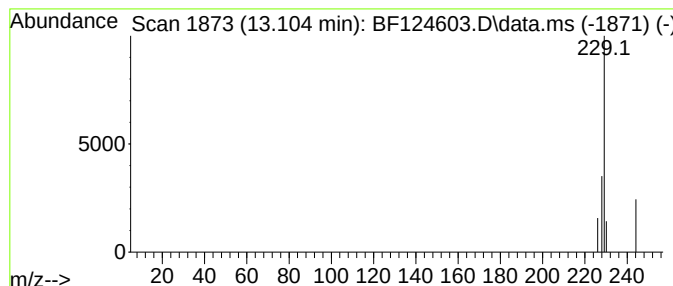
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 unknown13.104 Concentration Rank 8

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 13.104 | 2.09 ng | 2755 | Chrysene-d12     | 14.092 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | 2-Bromo-4-methylphenyl isothiocy... | 227 | C8H6BrNS     | 019241-39-5  | 39   |
| 2    |    |   | Coumarine-3-carbohydrazide, N2-(... | 244 | C13H12N2O3   | 204185-63-7  | 9    |
| 3    |    |   | Thiazole, 2-amino-4-(1H-indol-3-... | 229 | C12H11N3S    | 1000304-18-3 | 9    |
| 4    |    |   | Piperidine, 4-methyl-1-[3-phenpr... | 229 | C15H19NO     | 290835-34-6  | 9    |
| 5    |    |   | 4-Chloro-2-methoxybenzyl alcohol... | 244 | C11H17ClO2Si | 1000364-59-6 | 9    |



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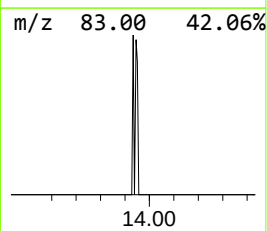
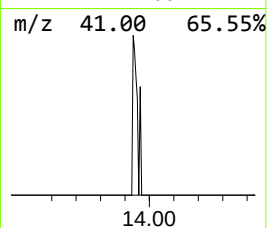
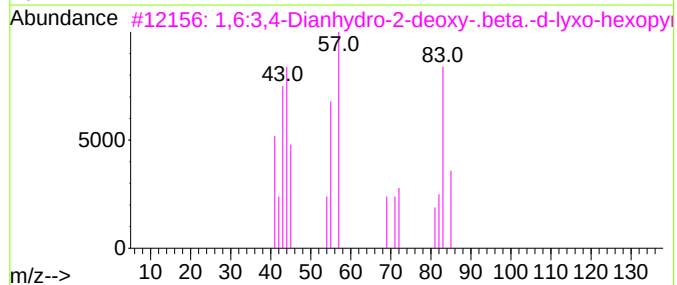
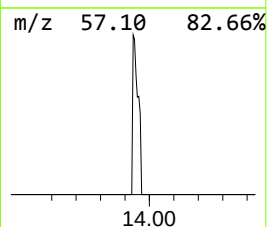
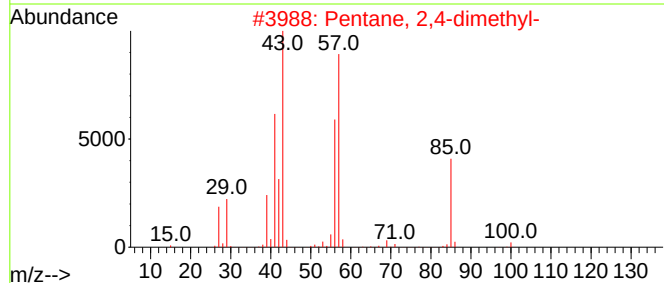
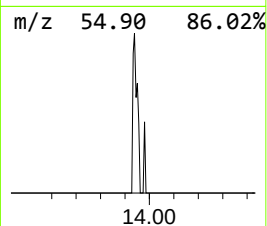
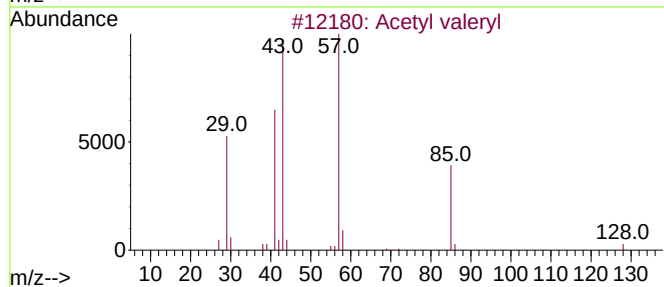
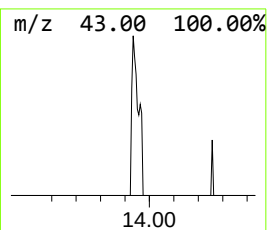
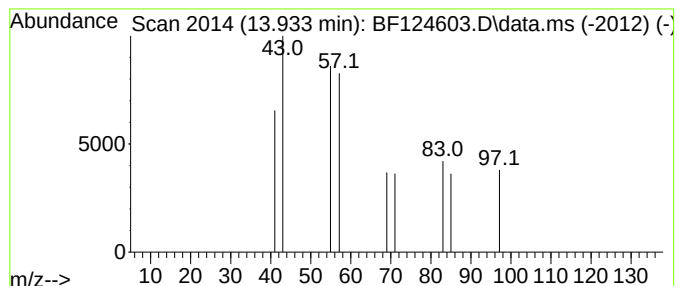
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 unknown13.933 Concentration Rank 3

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 13.933 | 5.05 ng | 6649 | Chrysene-d12     | 14.092 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Acetyl valeryl                      | 128 | C7H12O2 | 000096-04-8  | 9    |
| 2    |    |   | Pentane, 2,4-dimethyl-              | 100 | C7H16   | 000108-08-7  | 9    |
| 3    |    |   | 1,6:3,4-Dianhydro-2-deoxy-.beta.... | 128 | C6H8O3  | 050767-53-8  | 9    |
| 4    |    |   | Oxazole, 4,5-dihydro-2-methyl-      | 85  | C4H7NO  | 001120-64-5  | 4    |
| 5    |    |   | 5H-Tetrazol-5-amine                 | 85  | CH3N5   | 1000273-02-0 | 4    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071621\  
Data File : BF124603.D  
Acq On : 16 Jul 2021 18:57  
Operator : JU/CG  
Sample : M3029-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RVR-CF04-01

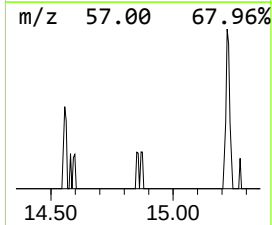
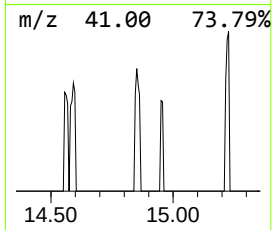
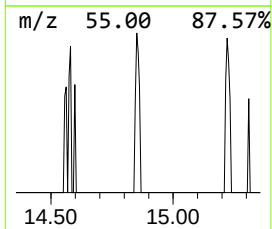
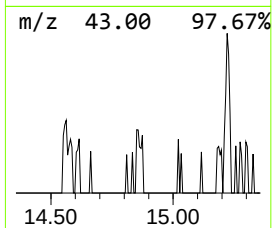
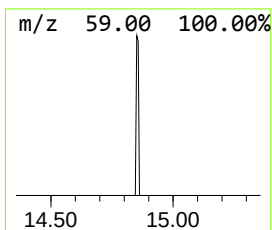
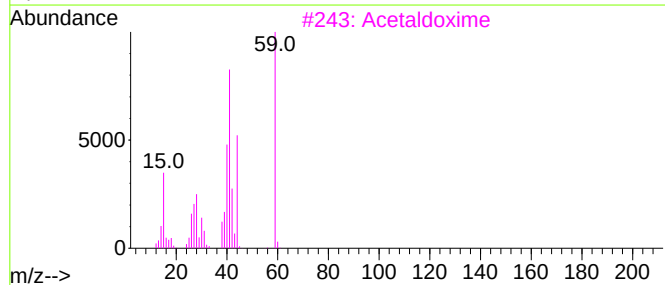
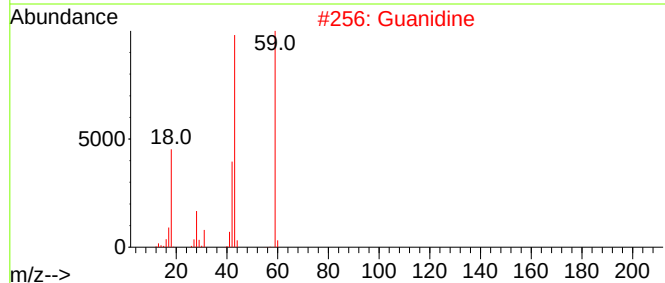
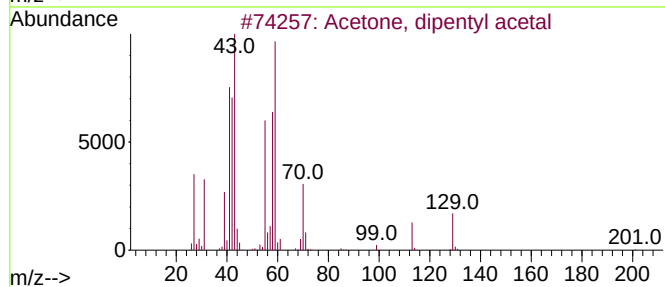
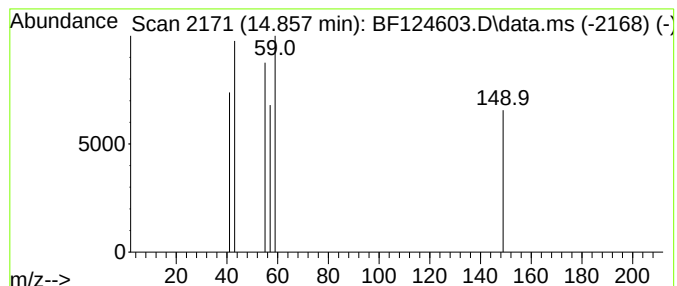
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 unknown14.857 Concentration Rank 6

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 14.857 | 2.61 ng | 3151 | Perylene-d12     | 15.586 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Acetone, dipentyl acetal            | 216 | C13H28O2 | 010076-57-0 | 9    |
| 2    |    |   | Guanidine                           | 59  | CH5N3    | 000113-00-8 | 4    |
| 3    |    |   | Acetaldoxime                        | 59  | C2H5NO   | 000107-29-9 | 4    |
| 4    |    |   | 6,7-Dimethyl-triazolo(4,3-b)(1,2... | 149 | C6H7N5   | 061139-73-9 | 2    |
| 5    |    |   | Acetamide                           | 59  | C2H5NO   | 000060-35-5 | 2    |





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Operator : JU/CG  
Sample : M3029-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RVR-CF04-01

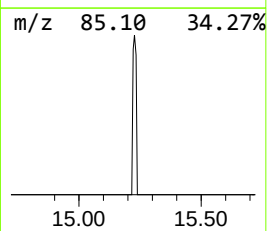
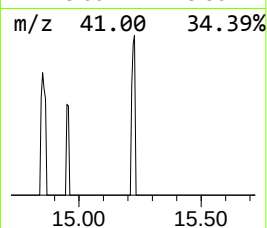
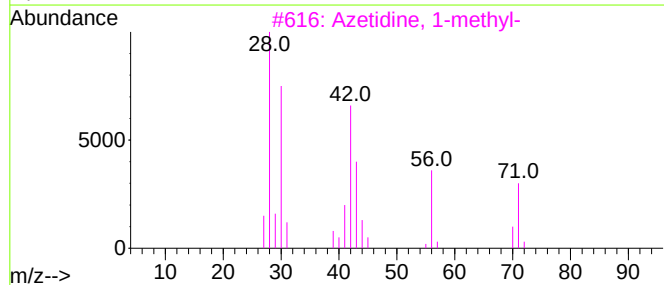
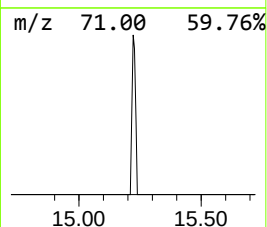
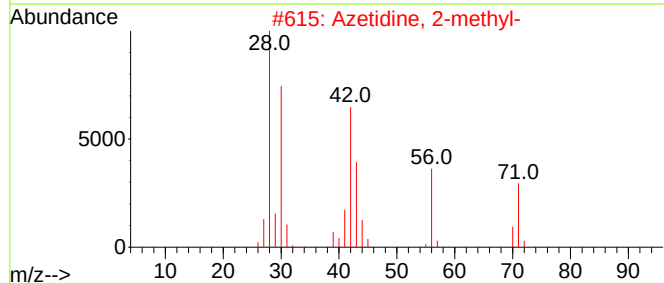
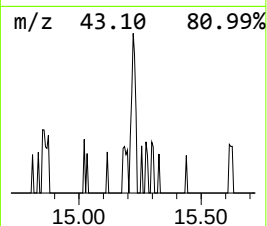
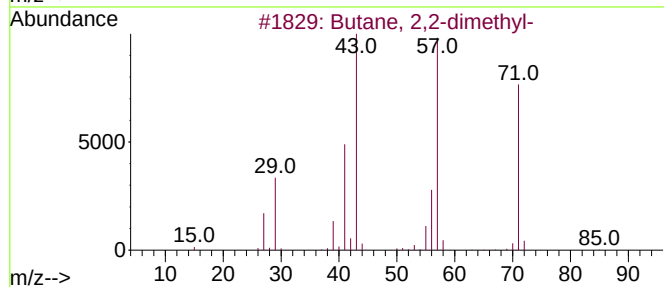
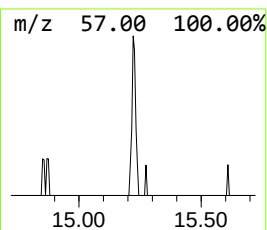
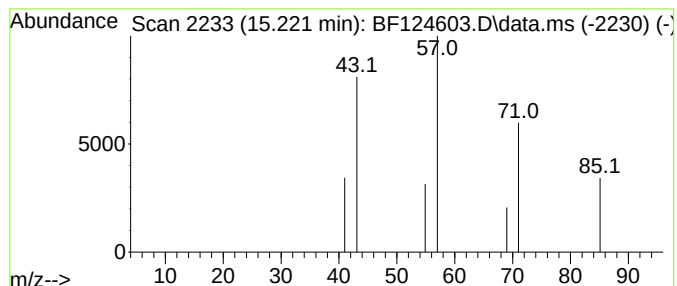
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 unknown15.221 Concentration Rank 4

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 15.221 | 5.04 ng | 6098 | Perylene-d12     | 15.586 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|----|---------|--------------|------|
| 1    |    |   | Butane, 2,2-dimethyl- | 86 | C6H14   | 000075-83-2  | 9    |
| 2    |    |   | Azetidine, 2-methyl-  | 71 | C4H9N   | 019812-49-8  | 5    |
| 3    |    |   | Azetidine, 1-methyl-  | 71 | C4H9N   | 004923-79-9  | 5    |
| 4    |    |   | 5H-Tetrazol-5-amine   | 85 | CH3N5   | 1000273-02-0 | 4    |
| 5    |    |   | 2-Propenamide         | 71 | C3H5NO  | 000079-06-1  | 4    |



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Operator : JU/CG  
Sample : M3029-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RVR-CF04-01

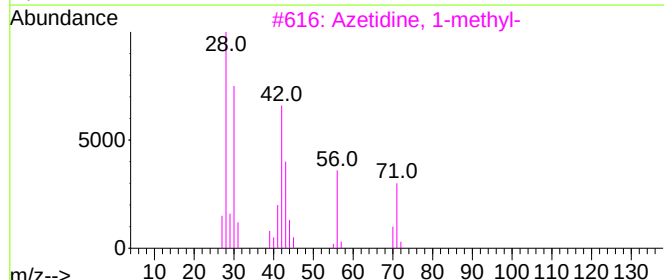
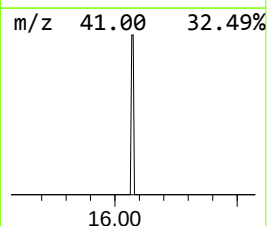
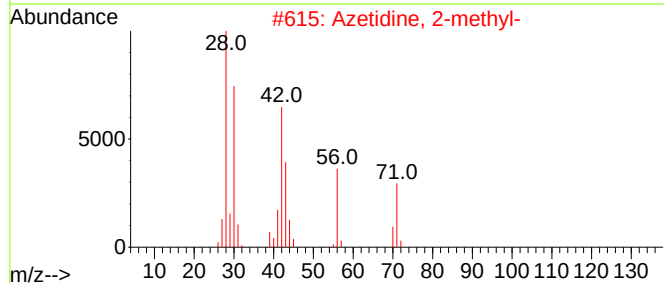
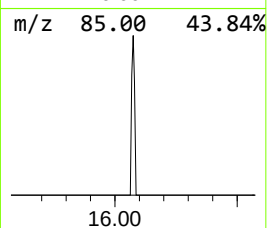
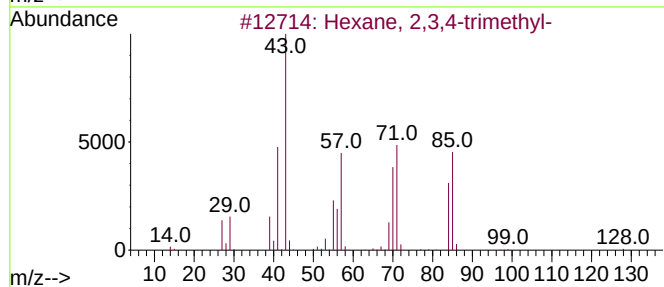
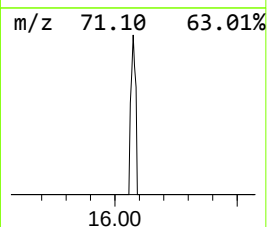
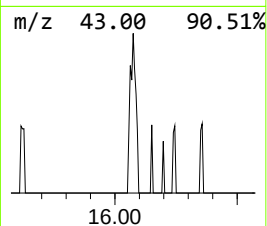
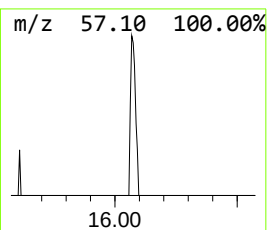
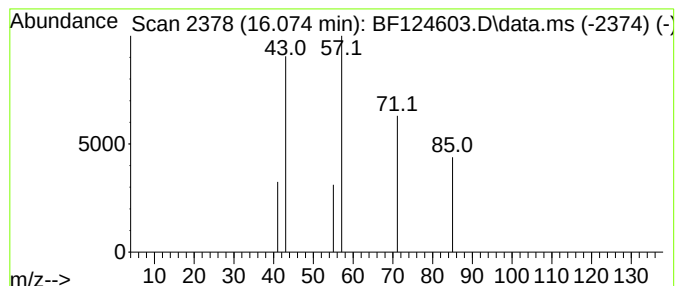
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 unknown16.074 Concentration Rank 5

| R.T.   | EstConc | Area | Relative to ISTD | R.T.   |
|--------|---------|------|------------------|--------|
| 16.074 | 3.98 ng | 4809 | Perylene-d12     | 15.586 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#         | Qual |
|------|------|--------------------------|-----|---------|--------------|------|
| 1    |      | Hexane, 2,3,4-trimethyl- | 128 | C9H20   | 000921-47-1  | 9    |
| 2    |      | Azetidine, 2-methyl-     | 71  | C4H9N   | 019812-49-8  | 5    |
| 3    |      | Azetidine, 1-methyl-     | 71  | C4H9N   | 004923-79-9  | 5    |
| 4    |      | 5H-Tetrazol-5-amine      | 85  | CH3N5   | 1000273-02-0 | 4    |
| 5    |      | 2-Propenamide            | 71  | C3H5NO  | 000079-06-1  | 4    |



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Sample : M3029-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RVR-CF04-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |       |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|-------|------|
|                    |        |         |       |          | #                     | RT     | Resp  | Conc |
| unknown2.258       | 2.258  | 5.5     | ng    | 10120    | 1                     | 6.922  | 37039 | 20.0 |
| Ethanol, 2-(2-b... | 8.104  | 8.3     | ng    | 21425    | 2                     | 8.204  | 51818 | 20.0 |
| unknown11.969      | 11.969 | 2.4     | ng    | 5990     | 4                     | 11.451 | 50117 | 20.0 |
| unknown13.104      | 13.104 | 2.1     | ng    | 2755     | 5                     | 14.092 | 26334 | 20.0 |
| unknown13.933      | 13.933 | 5.0     | ng    | 6649     | 5                     | 14.092 | 26334 | 20.0 |
| unknown14.857      | 14.857 | 2.6     | ng    | 3151     | 6                     | 15.586 | 24184 | 20.0 |
| unknown15.221      | 15.221 | 5.0     | ng    | 6098     | 6                     | 15.586 | 24184 | 20.0 |
| unknown16.074      | 16.074 | 4.0     | ng    | 4809     | 6                     | 15.586 | 24184 | 20.0 |