

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
 Data File : BG016409.D  
 Acq On : 14 Apr 2015 22:32  
 Operator : TP/IZ  
 Sample : G1848-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-35

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| 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         | 2.761       | 7             | 12          | 21           | rBV      | 399028         | 602989        | 13.51%          | 2.367%        |
| 2         | 2.837       | 21            | 25          | 39           | rVB      | 387410         | 471065        | 10.56%          | 1.849%        |
| 3         | 4.782       | 351           | 356         | 362          | rVB      | 71797          | 97305         | 2.18%           | 0.382%        |
| 4         | 5.258       | 430           | 437         | 444          | rBV      | 580762         | 844092        | 18.92%          | 3.314%        |
| 5         | 6.850       | 702           | 708         | 718          | rVB      | 379688         | 575989        | 12.91%          | 2.261%        |
| 6         | 7.203       | 756           | 768         | 775          | rBV      | 1159568        | 1779464       | 39.88%          | 6.986%        |
| 7         | 7.667       | 841           | 847         | 854          | rVB      | 253362         | 386813        | 8.67%           | 1.519%        |
| 8         | 7.984       | 894           | 901         | 909          | rBV      | 988685         | 1602066       | 35.91%          | 6.289%        |
| 9         | 8.824       | 1036          | 1044        | 1051         | rBV      | 852113         | 1368572       | 30.67%          | 5.373%        |
| 10        | 10.452      | 1314          | 1321        | 1328         | rBV      | 372260         | 615285        | 13.79%          | 2.415%        |
| 11        | 11.780      | 1540          | 1547        | 1554         | rBV2     | 45580          | 80035         | 1.79%           | 0.314%        |
| 12        | 12.931      | 1733          | 1743        | 1749         | rBV      | 2219209        | 3264726       | 73.17%          | 12.816%       |
| 13        | 13.237      | 1783          | 1795        | 1804         | rVB4     | 23240          | 90371         | 2.03%           | 0.355%        |
| 14        | 13.484      | 1832          | 1837        | 1844         | rBV5     | 24152          | 51487         | 1.15%           | 0.202%        |
| 15        | 13.707      | 1871          | 1875        | 1879         | rVB3     | 35411          | 51085         | 1.14%           | 0.201%        |
| 16        | 13.766      | 1879          | 1885        | 1889         | rBV      | 29917          | 45587         | 1.02%           | 0.179%        |
| 17        | 13.866      | 1897          | 1902        | 1904         | rBV      | 68811          | 88812         | 1.99%           | 0.349%        |
| 18        | 13.895      | 1904          | 1907        | 1913         | rVB      | 77179          | 112745        | 2.53%           | 0.443%        |
| 19        | 14.030      | 1926          | 1930        | 1935         | rVB2     | 40470          | 57025         | 1.28%           | 0.224%        |
| 20        | 14.312      | 1967          | 1978        | 1984         | rBV2     | 580543         | 888210        | 19.91%          | 3.487%        |
| 21        | 14.371      | 1984          | 1988        | 1997         | rVB      | 73015          | 119244        | 2.67%           | 0.468%        |
| 22        | 15.076      | 2101          | 2108        | 2114         | rBV3     | 50772          | 103041        | 2.31%           | 0.405%        |
| 23        | 15.264      | 2135          | 2140        | 2145         | rBV4     | 29446          | 52023         | 1.17%           | 0.204%        |
| 24        | 15.346      | 2150          | 2154        | 2161         | rVB      | 71570          | 99563         | 2.23%           | 0.391%        |
| 25        | 15.481      | 2173          | 2177        | 2179         | rBV      | 49571          | 62108         | 1.39%           | 0.244%        |
| 26        | 15.511      | 2180          | 2182        | 2188         | rVB2     | 62608          | 90294         | 2.02%           | 0.354%        |
| 27        | 15.799      | 2225          | 2231        | 2239         | rVB      | 1513522        | 2162894       | 48.48%          | 8.491%        |
| 28        | 16.081      | 2275          | 2279        | 2283         | rVB      | 39243          | 55430         | 1.24%           | 0.218%        |
| 29        | 16.351      | 2320          | 2325        | 2330         | rVB4     | 24054          | 51343         | 1.15%           | 0.202%        |
| 30        | 16.462      | 2341          | 2344        | 2349         | rVB4     | 41042          | 53856         | 1.21%           | 0.211%        |
| 31        | 17.050      | 2439          | 2444        | 2450         | rBV2     | 731435         | 1023479       | 22.94%          | 4.018%        |
| 32        | 17.244      | 2472          | 2477        | 2482         | rBV8     | 23830          | 50375         | 1.13%           | 0.198%        |
| 33        | 17.826      | 2571          | 2576        | 2583         | rBV8     | 42441          | 81887         | 1.84%           | 0.321%        |
| 34        | 17.955      | 2593          | 2598        | 2610         | rBV      | 403390         | 633677        | 14.20%          | 2.488%        |

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

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:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |       |         |         |         |         |
|----|--------|------|------|------|-------|---------|---------|---------|---------|
| 35 | 19.112 | 2792 | 2795 | 2803 | rVB10 | 29160   | 54158   | 1.21%   | 0.213%  |
| 36 | 19.236 | 2812 | 2816 | 2832 | rBV   | 227153  | 343689  | 7.70%   | 1.349%  |
| 37 | 19.682 | 2886 | 2892 | 2897 | rBV   | 3594307 | 4461833 | 100.00% | 17.516% |
| 38 | 20.945 | 3102 | 3107 | 3116 | rBV   | 265727  | 376819  | 8.45%   | 1.479%  |
| 39 | 21.145 | 3137 | 3141 | 3146 | rBV   | 206771  | 234551  | 5.26%   | 0.921%  |
| 40 | 21.233 | 3150 | 3156 | 3164 | rBV   | 938429  | 1156392 | 25.92%  | 4.540%  |
| 41 | 22.397 | 3351 | 3354 | 3359 | rVB2  | 45525   | 60723   | 1.36%   | 0.238%  |
| 42 | 23.460 | 3529 | 3535 | 3543 | rVB   | 574708  | 1072255 | 24.03%  | 4.209%  |

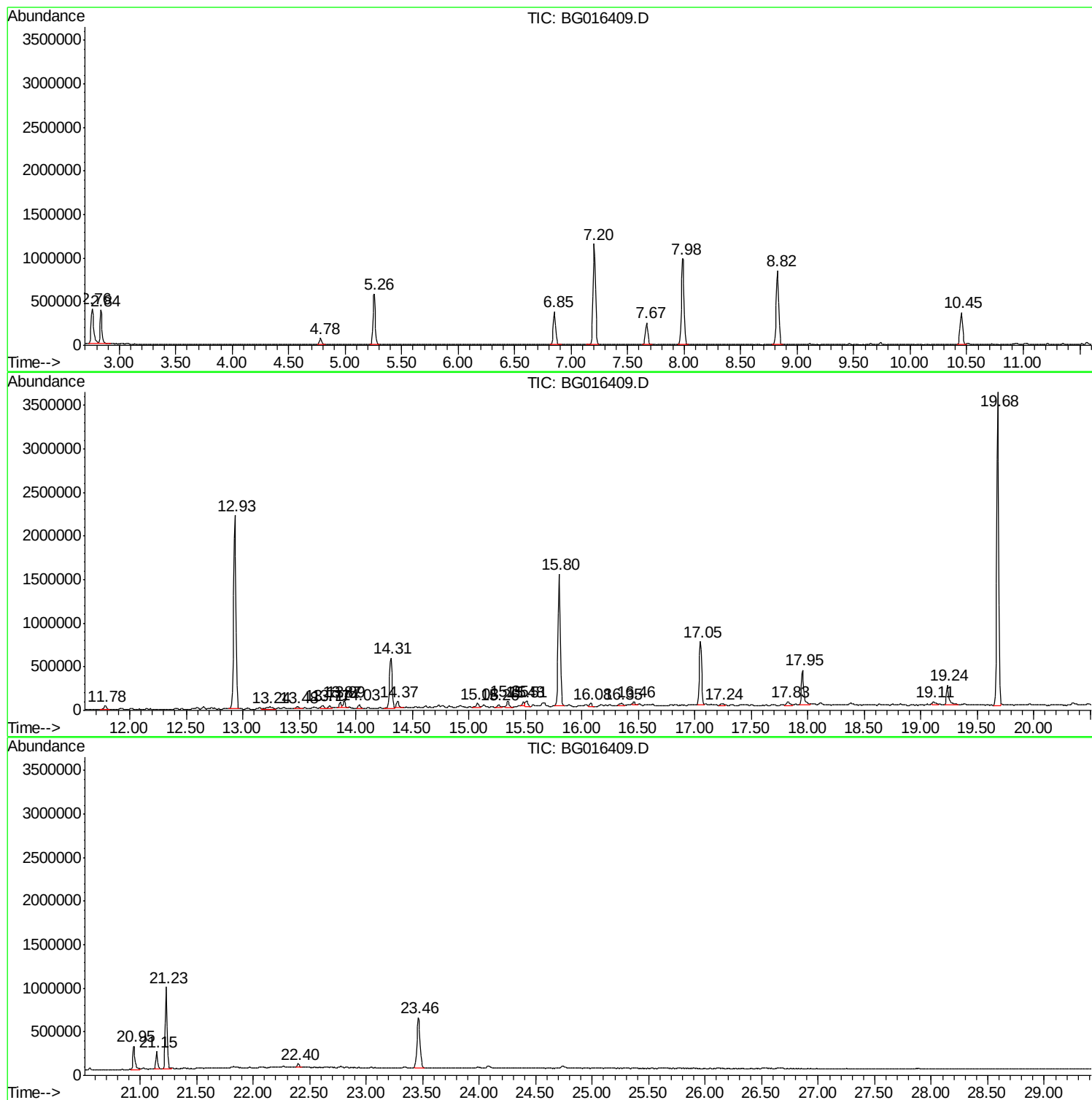
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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ClientSampleId :  
MW-35

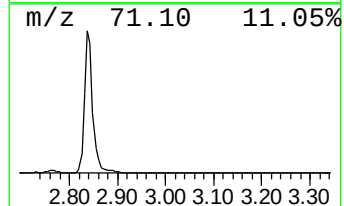
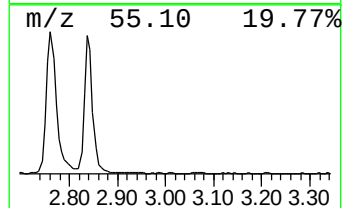
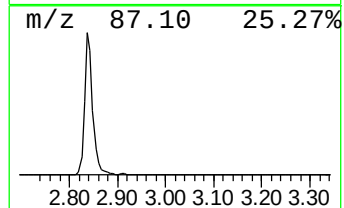
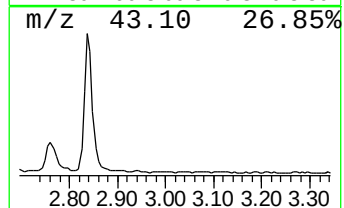
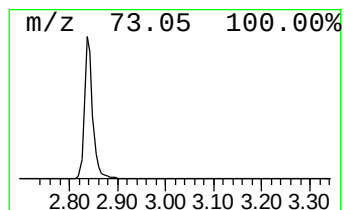
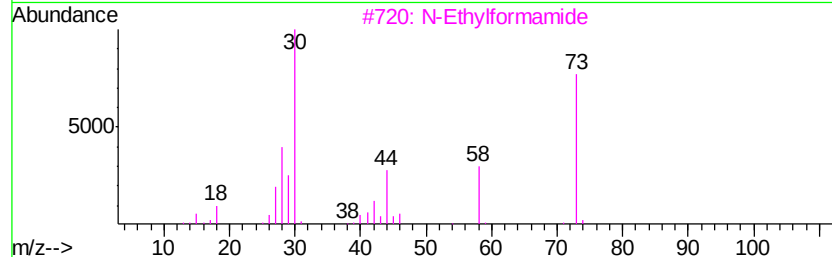
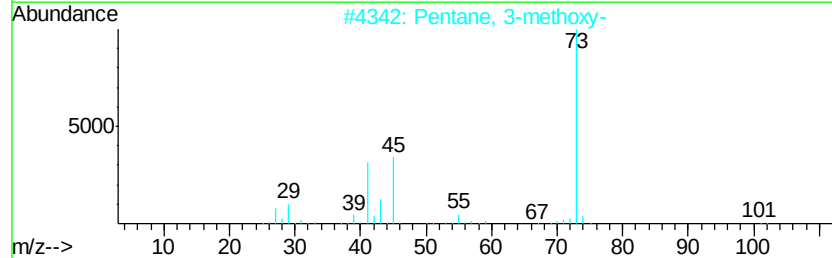
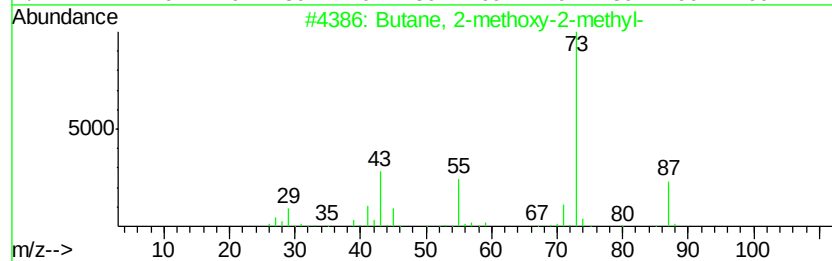
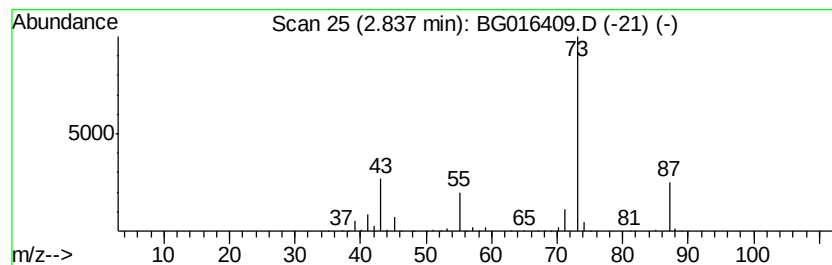
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.84 | 24.36 ng | 471065 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 3    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 7    |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

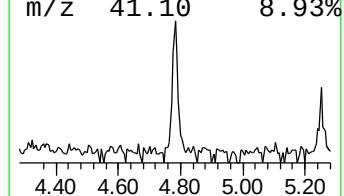
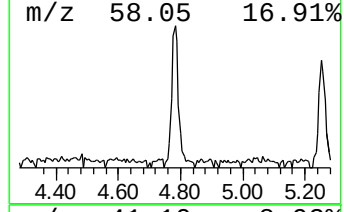
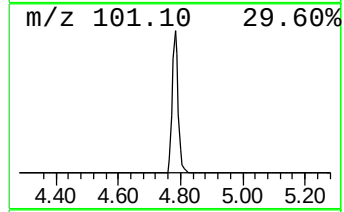
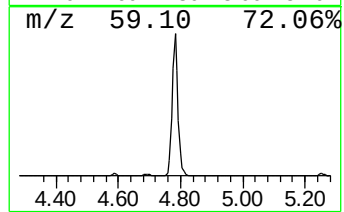
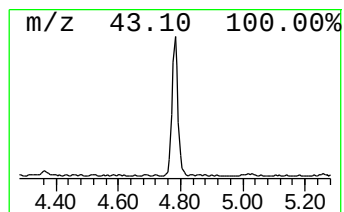
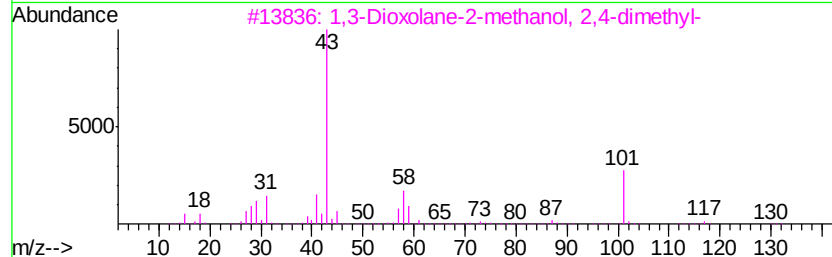
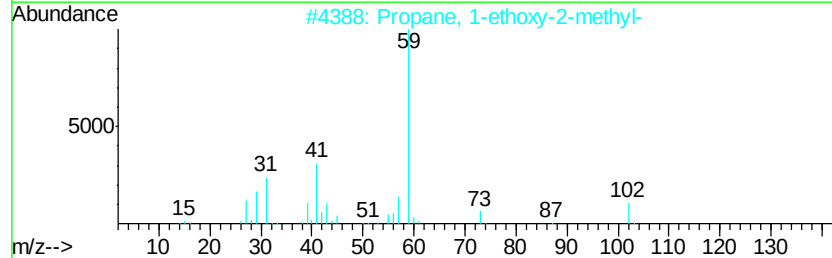
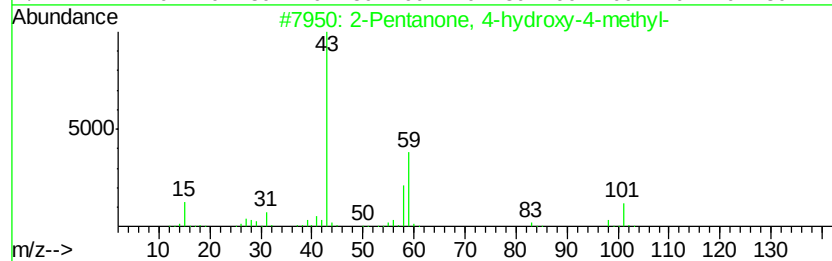
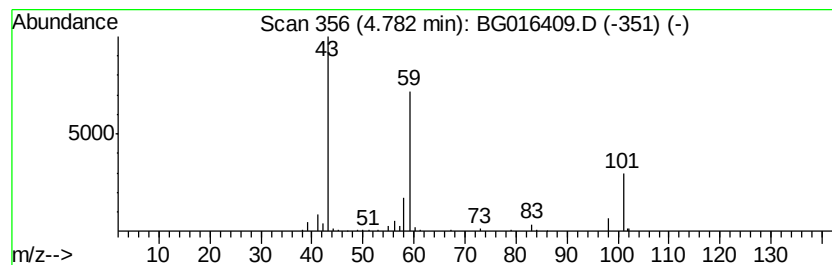
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.78 | 5.03 ng | 97305 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 72   |
| 2    |    | Propane, 1-ethoxy-2-methyl-         | 102 | C6H14O   | 000627-02-1 | 35   |
| 3    |    | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3  | 053951-43-2 | 23   |
| 4    |    | 3-Heptanol, 4-methyl-               | 130 | C8H18O   | 014979-39-6 | 23   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |



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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

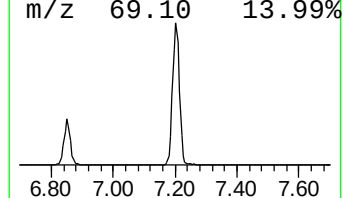
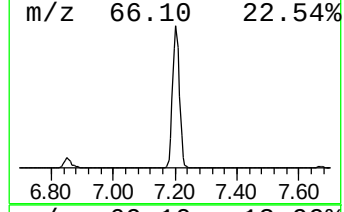
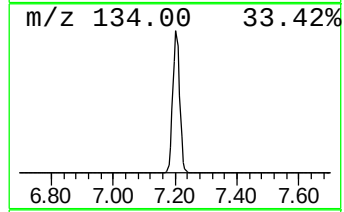
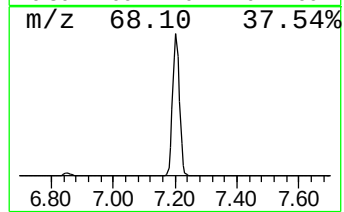
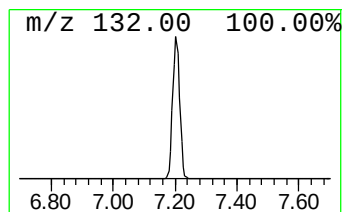
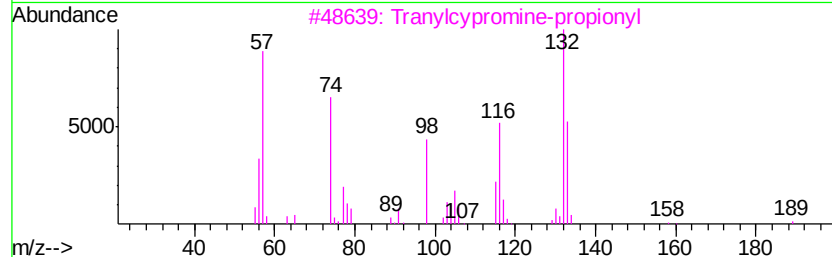
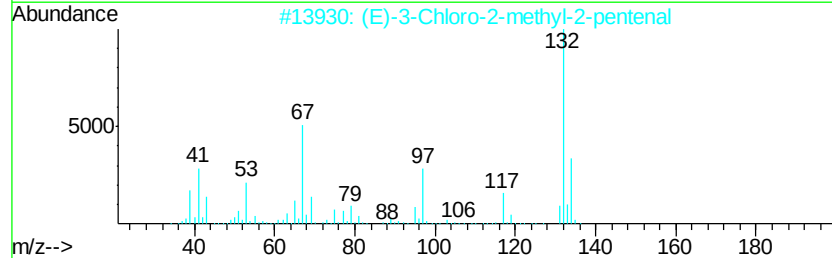
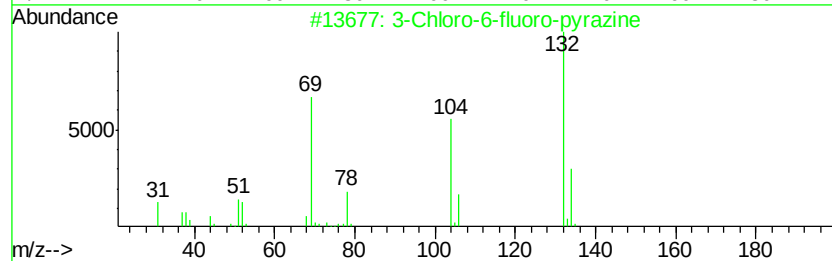
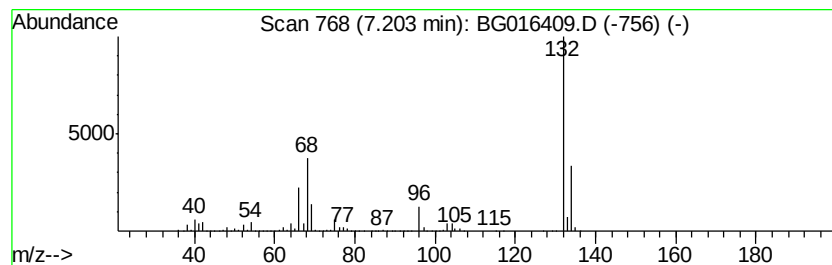
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown7.20 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.20 | 92.01 ng | 1779460 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | Tranlycypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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ALS Vial : 16 Sample Multiplier: 1

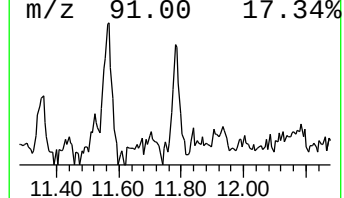
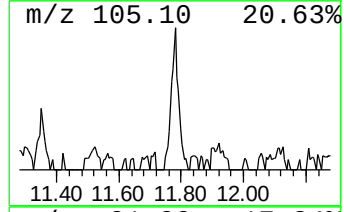
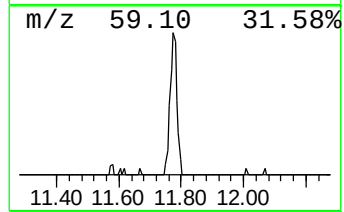
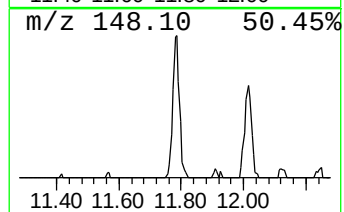
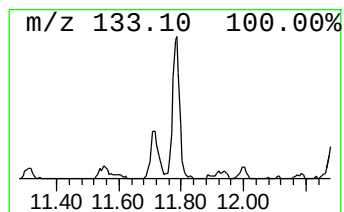
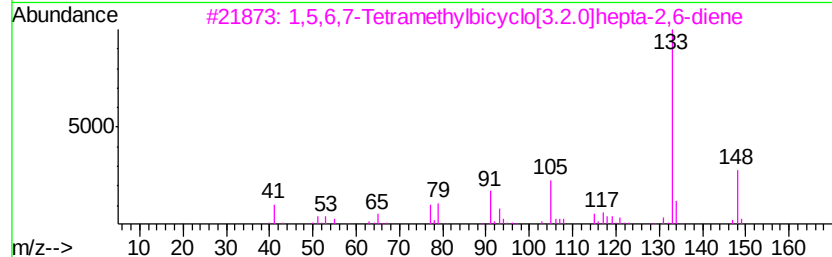
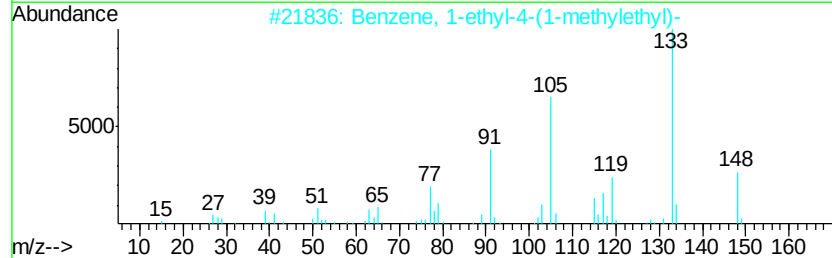
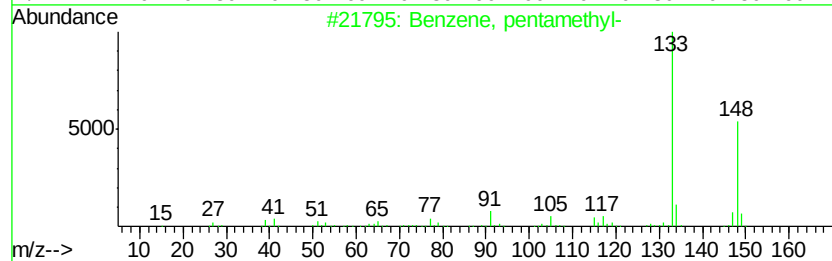
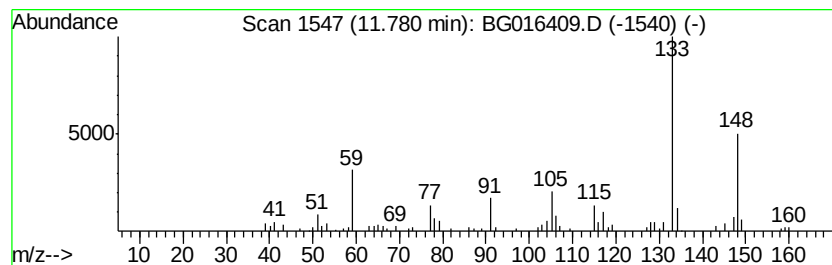
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, pentamethyl- Concentration Rank 9

| R.T.    | EstConc | Area                                             | Relative to ISTD | R.T.           |
|---------|---------|--------------------------------------------------|------------------|----------------|
| 11.78   | 2.60 ng | 80035                                            | Naphthalene-d8   | 10.45          |
| Hit# of | 5       | Tentative ID                                     | MW MolForm       | CAS# Qual      |
| 1       |         | Benzene, pentamethyl-                            | 148 C11H16       | 000700-12-9 87 |
| 2       |         | Benzene, 1-ethyl-4-(1-methylethyl)-              | 148 C11H16       | 004218-48-8 81 |
| 3       |         | 1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene | 148 C11H16       | 134329-46-7 81 |
| 4       |         | Benzene, 1,3-dimethyl-5-(1-methylethyl)-         | 148 C11H16       | 004706-90-5 74 |
| 5       |         | Benzene, 1,4-diethyl-2-methyl-                   | 148 C11H16       | 013632-94-5 68 |



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BNA\_G  
ClientSampleId :  
MW-35

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

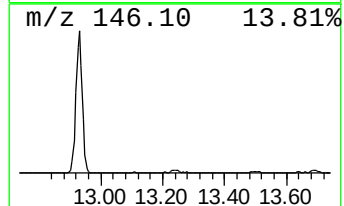
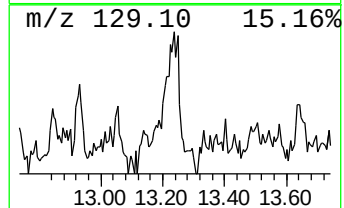
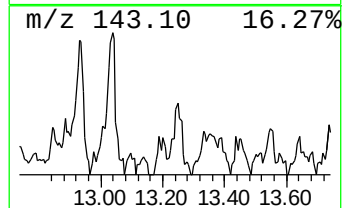
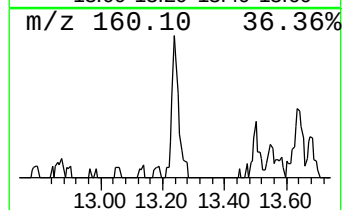
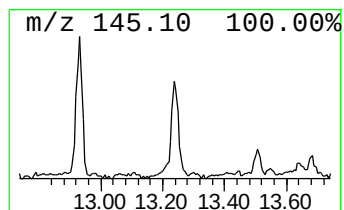
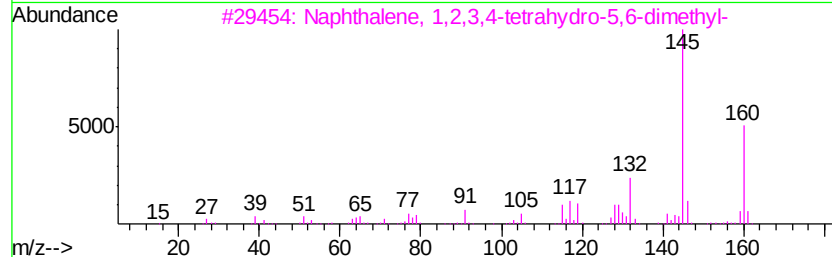
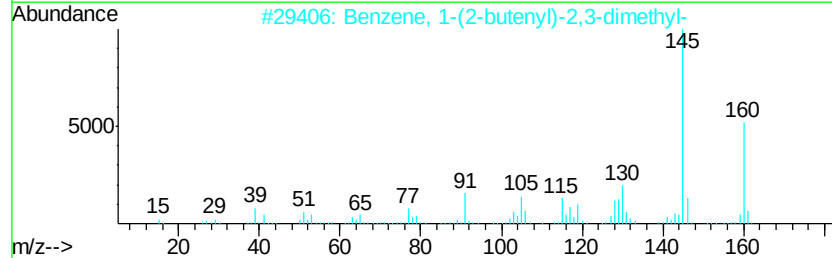
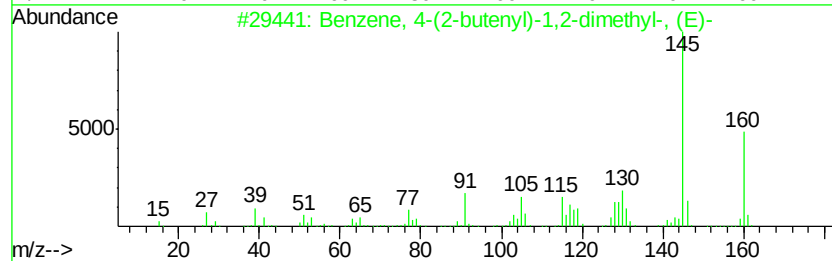
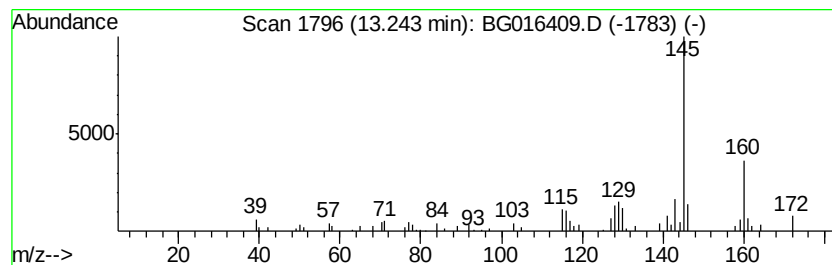
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.24 | 2.03 ng | 90371 | Acenaphthene-d10 | 14.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 94   |
| 2    |    | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 94   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 020027-77-4 | 87   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021564-91-0 | 87   |
| 5    |    | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 87   |





Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

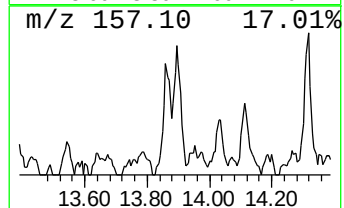
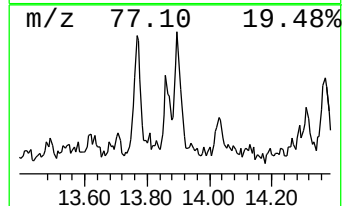
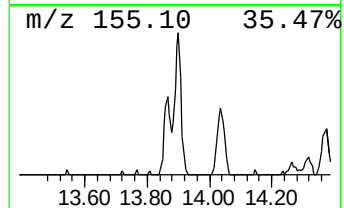
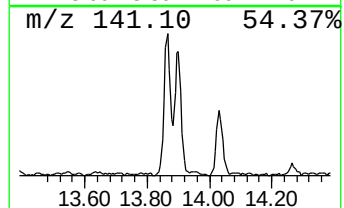
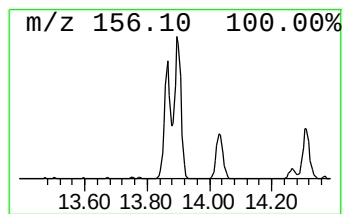
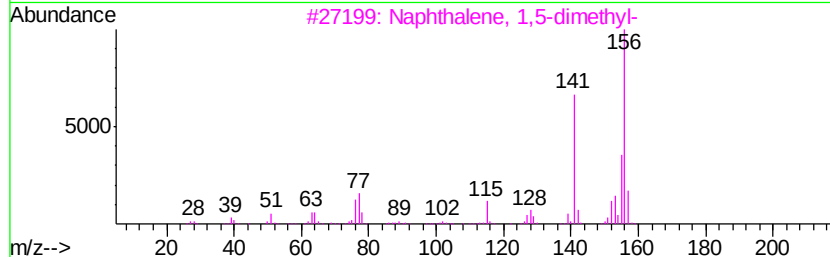
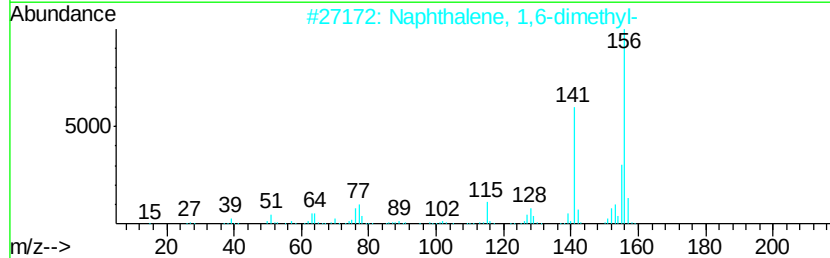
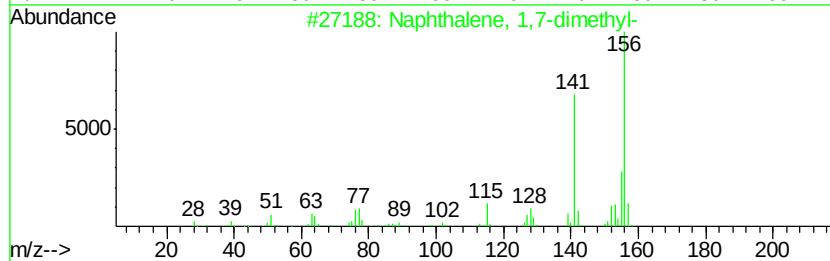
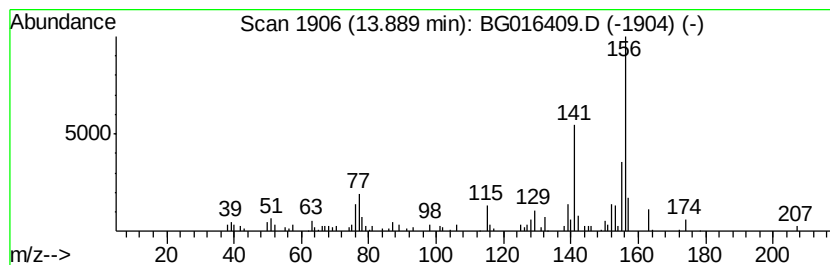
Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 10

| R.T.    | EstConc | Area                       | Relative to ISTD | R.T.           |
|---------|---------|----------------------------|------------------|----------------|
| 13.89   | 2.54 ng | 112745                     | Acenaphthene-d10 | 14.31          |
| Hit# of | 5       | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |         | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 96 |
| 2       |         | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 95 |
| 3       |         | Naphthalene, 1,5-dimethyl- | 156 C12H12       | 000571-61-9 95 |
| 4       |         | Naphthalene, 2,7-dimethyl- | 156 C12H12       | 000582-16-1 94 |
| 5       |         | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 94 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

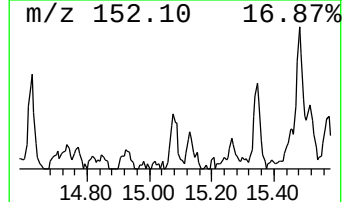
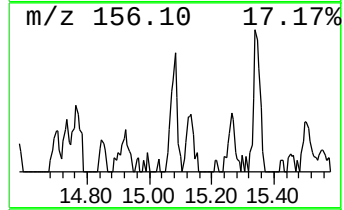
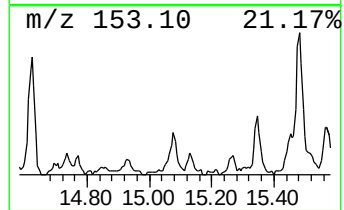
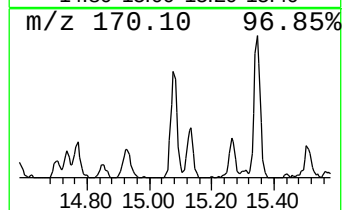
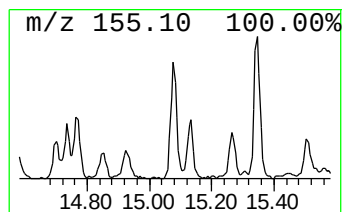
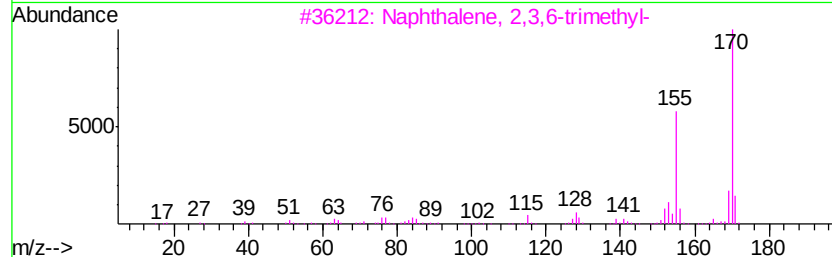
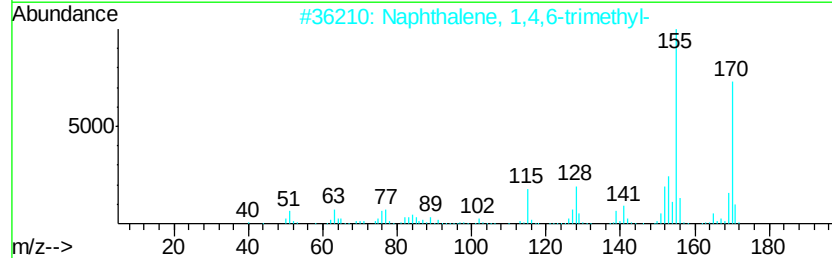
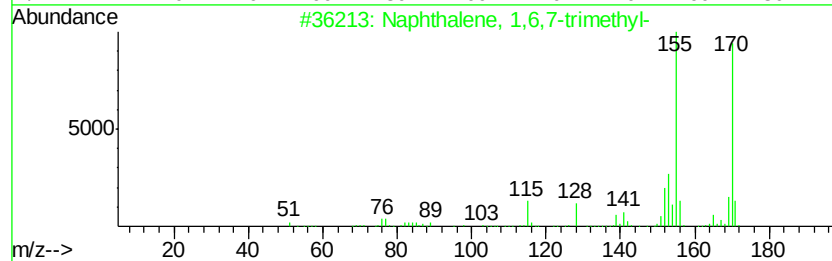
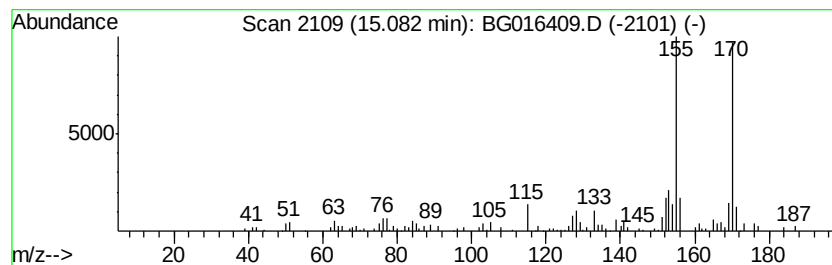
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.08 | 2.32 ng | 103041 | Acenaphthene-d10 | 14.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 98   |
| 2    |    | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 94   |
| 3    |    | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 94   |
| 4    |    | Azulene, 4,6,8-trimethyl-           | 170 | C13H14  | 000941-81-1  | 89   |
| 5    |    | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

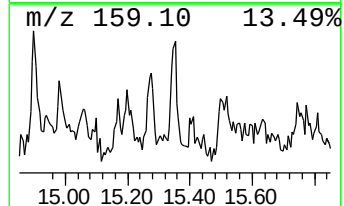
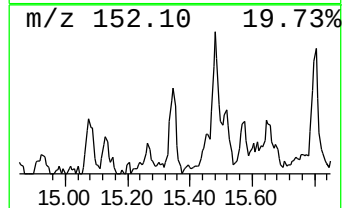
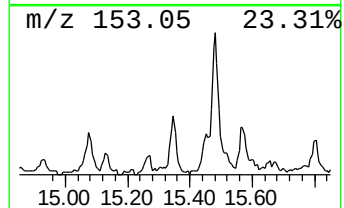
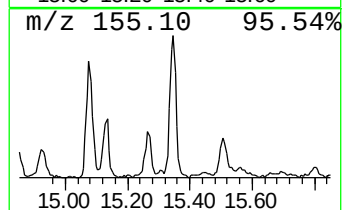
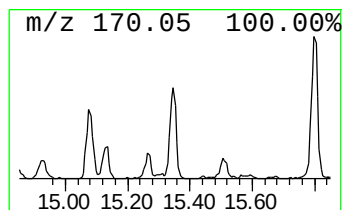
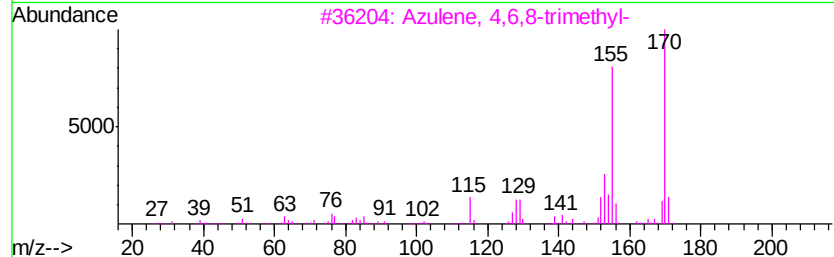
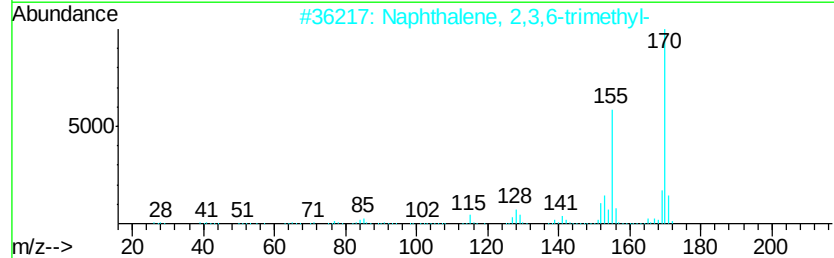
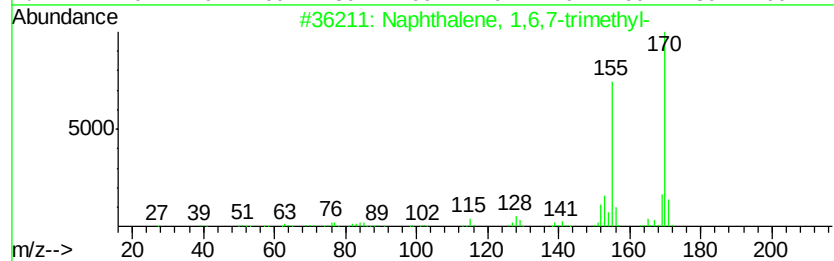
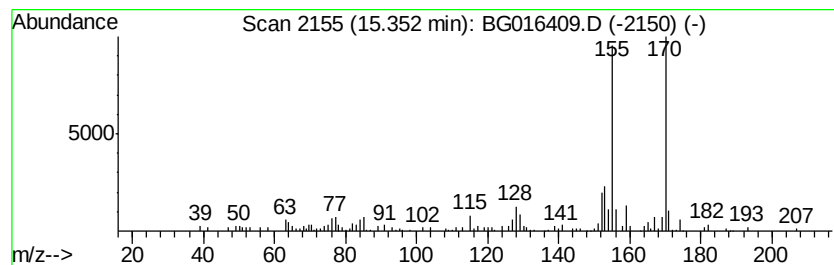
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.35 | 2.24 ng | 99563 | Acenaphthene-d10 | 14.31 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 93   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 93   |
| 3    |    |   | Azulene, 4,6,8-trimethyl-           | 170 | C13H14  | 000941-81-1  | 89   |
| 4    |    |   | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 87   |
| 5    |    |   | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 80   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
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Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

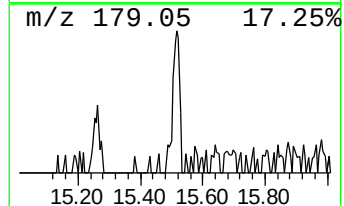
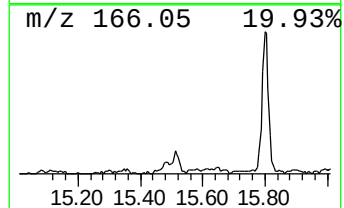
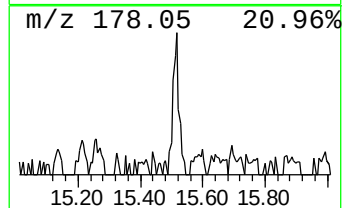
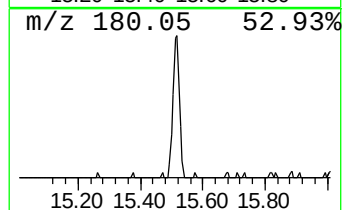
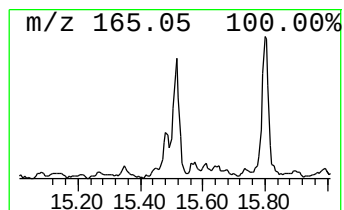
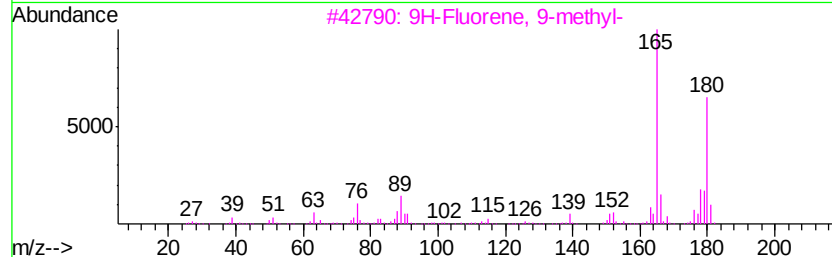
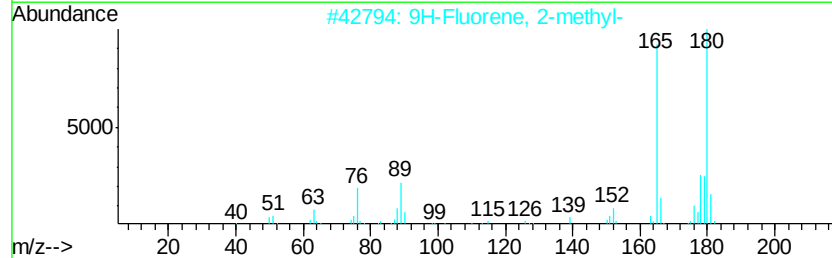
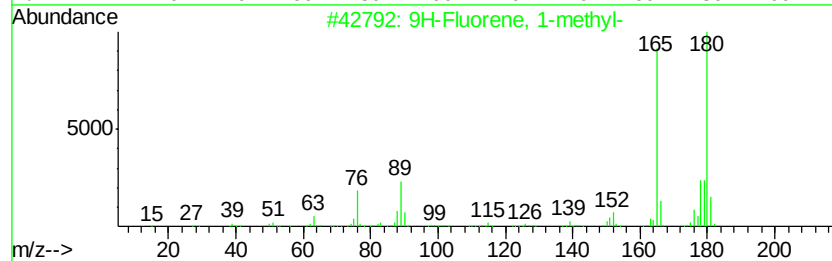
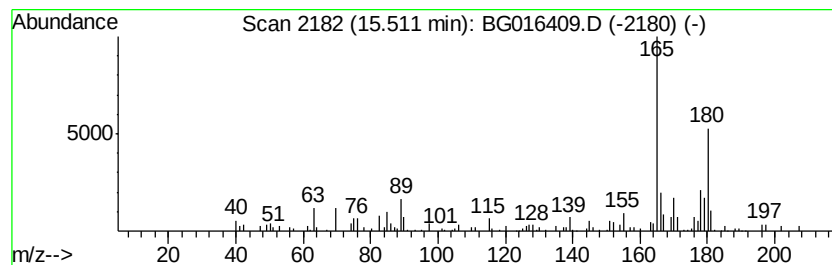
Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 14

| R.T.    | EstConc                     | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------------|--------------|------------------|-----------|
| 15.51   | 2.03 ng                     | 90294        | Acenaphthene-d10 | 14.31     |
| Hit# of | 5                           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 9H-Fluorene, 1-methyl-      | 180 C14H12   | 001730-37-6      | 86        |
| 2       | 9H-Fluorene, 2-methyl-      | 180 C14H12   | 001430-97-3      | 86        |
| 3       | 9H-Fluorene, 9-methyl-      | 180 C14H12   | 002523-37-7      | 64        |
| 4       | 9H-Fluorene, 3-methyl-      | 180 C14H12   | 002523-39-9      | 58        |
| 5       | 3H-Benz[e]indene, 2-methyl- | 180 C14H12   | 150096-60-9      | 50        |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

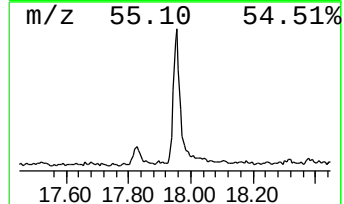
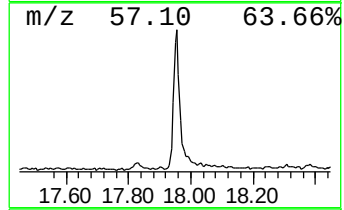
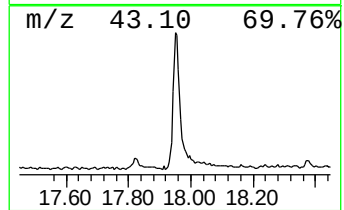
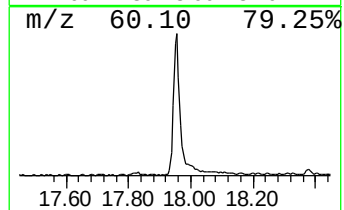
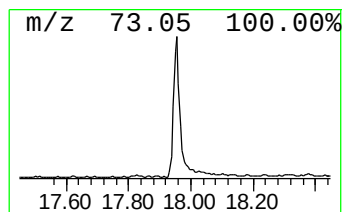
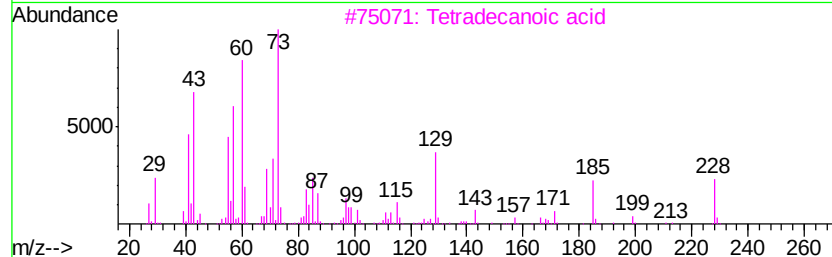
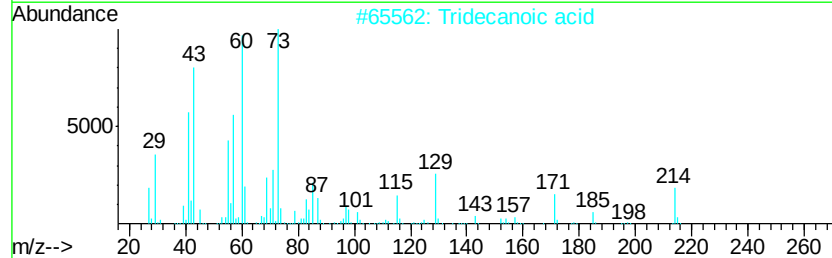
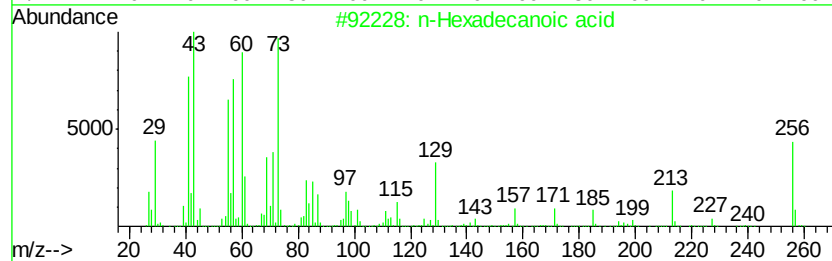
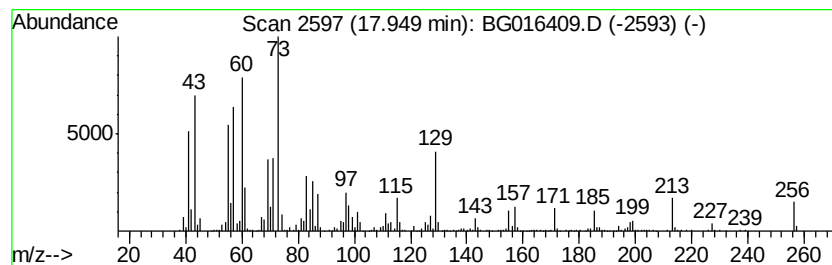
Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 n-Hexadecanoic acid Concentration Rank 5

| R.T.    | EstConc  | Area                | Relative to ISTD |          | R.T.        |      |
|---------|----------|---------------------|------------------|----------|-------------|------|
| 17.95   | 12.38 ng | 633677              | Phenanthrene-d10 |          | 17.05       |      |
| Hit# of | 5        | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |          | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 99   |
| 2       |          | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 91   |
| 3       |          | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 80   |
| 4       |          | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 64   |
| 5       |          | n-Decanoic acid     | 172              | C10H20O2 | 000334-48-5 | 62   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

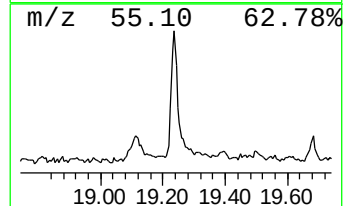
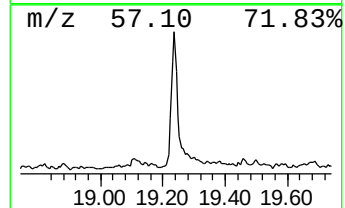
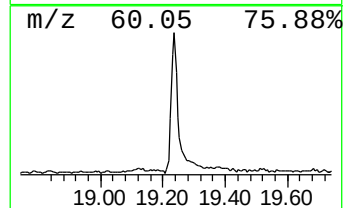
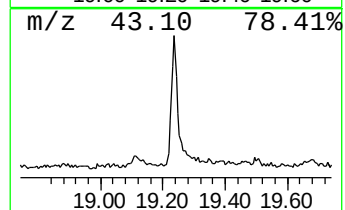
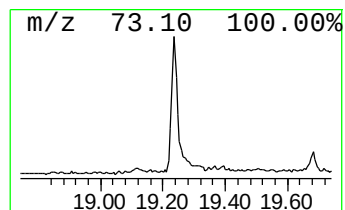
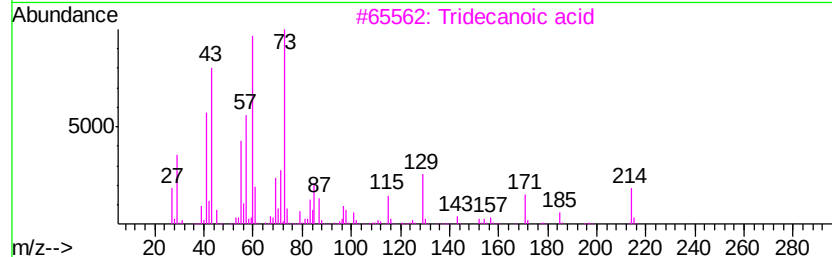
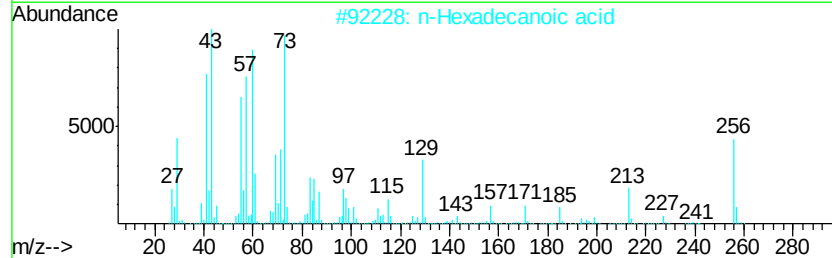
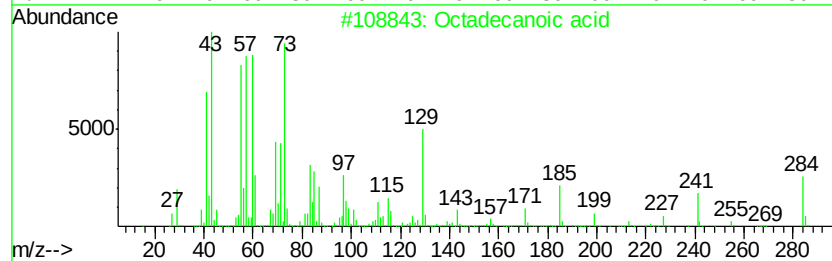
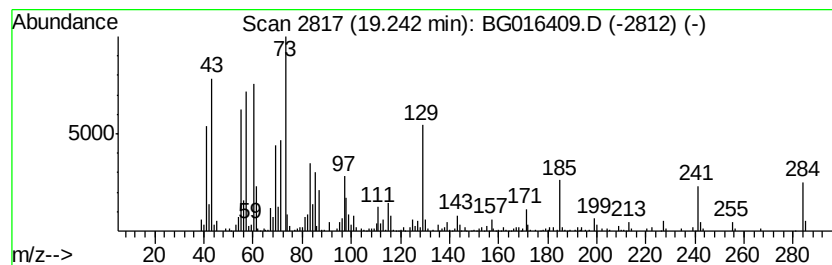
Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Octadecanoic acid Concentration Rank 7

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 19.24     | 5.94 ng             | 343689 | Chrysene-d12     |             | 21.23 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Octadecanoic acid   | 284    | C18H36O2         | 000057-11-4 | 99    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 72    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 70    |
| 4         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 64    |
| 5         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 53    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

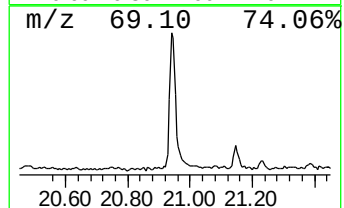
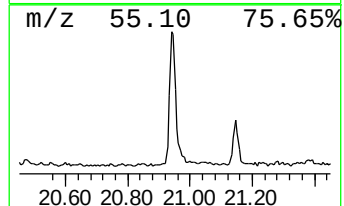
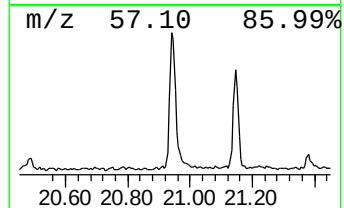
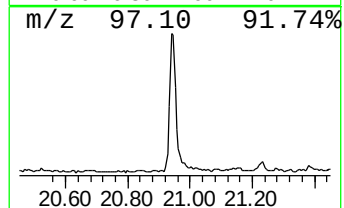
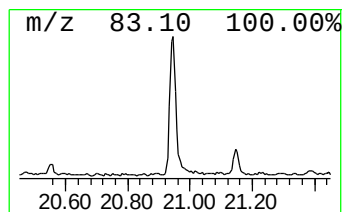
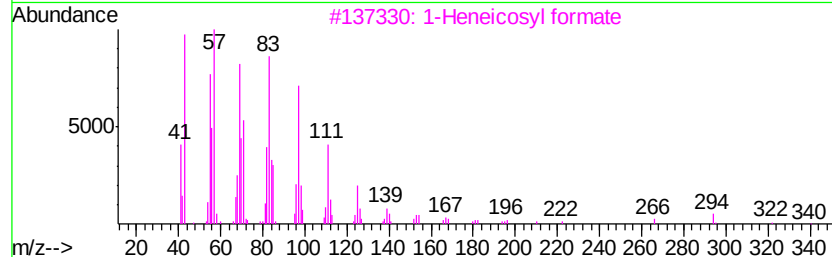
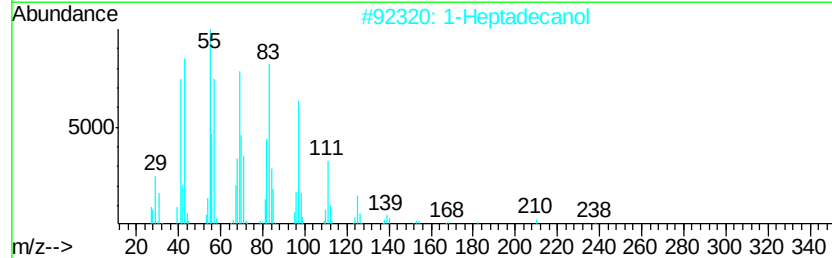
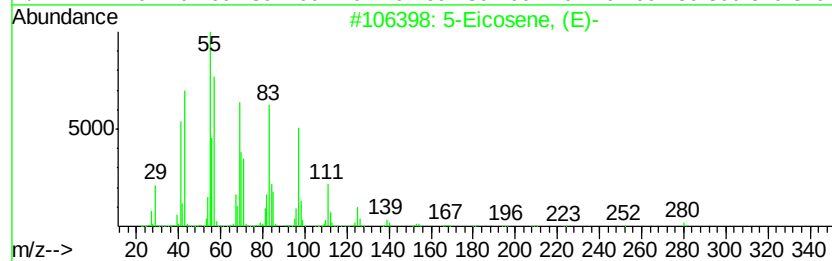
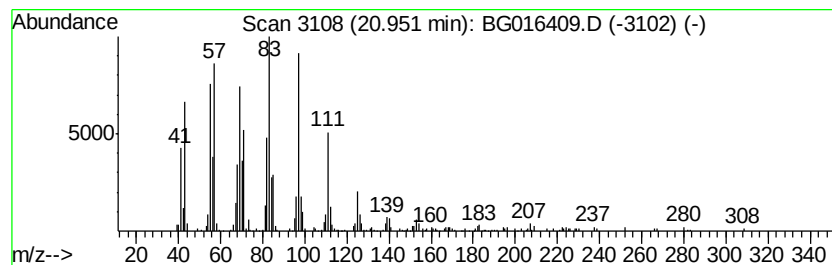
Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 5-Eicosene, (E)- Concentration Rank 6

| R.T.      | EstConc              | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------|--------|------------------|-------------|-------|
| 20.95     | 6.52 ng              | 376819 | Chrysene-d12     |             | 21.23 |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual  |
| 1         | 5-Eicosene, (E)-     | 280    | C20H40           | 074685-30-6 | 99    |
| 2         | 1-Heptadecanol       | 256    | C17H36O          | 001454-85-9 | 91    |
| 3         | 1-Heneicosyl formate | 340    | C22H44O2         | 077899-03-7 | 91    |
| 4         | 1-Eicosanol          | 298    | C20H42O          | 000629-96-9 | 90    |
| 5         | 1-Octadecanol        | 270    | C18H38O          | 000112-92-5 | 87    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041415\  
Data File : BG016409.D  
Acq On : 14 Apr 2015 22:32  
Operator : TP/IZ  
Sample : G1848-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-35

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.84  | 24.4    | ng    | 471065   | 1                     | 7.67  | 386813  | 20.0 |
| 2-Pentanone, 4-hy... | 4.78  | 5.0     | ng    | 97305    | 1                     | 7.67  | 386813  | 20.0 |
| unknown7.20          | 7.20  | 92.0    | ng    | 1779460  | 1                     | 7.67  | 386813  | 20.0 |
| Benzene, pentamet... | 11.78 | 2.6     | ng    | 80035    | 2                     | 10.45 | 615285  | 20.0 |
| Benzene, 4-(2-but... | 13.24 | 2.0     | ng    | 90371    | 3                     | 14.31 | 888210  | 20.0 |
| Naphthalene, 1,7-... | 13.89 | 2.5     | ng    | 112745   | 3                     | 14.31 | 888210  | 20.0 |
| Naphthalene, 1,6,... | 15.08 | 2.3     | ng    | 103041   | 3                     | 14.31 | 888210  | 20.0 |
| Naphthalene, 2,3,... | 15.35 | 2.2     | ng    | 99563    | 3                     | 14.31 | 888210  | 20.0 |
| 9H-Fluorene, 1-me... | 15.51 | 2.0     | ng    | 90294    | 3                     | 14.31 | 888210  | 20.0 |
| n-Hexadecanoic acid  | 17.95 | 12.4    | ng    | 633677   | 4                     | 17.05 | 1023480 | 20.0 |
| Octadecanoic acid    | 19.24 | 5.9     | ng    | 343689   | 5                     | 21.23 | 1156390 | 20.0 |
| 5-Eicosene, (E)-     | 20.95 | 6.5     | ng    | 376819   | 5                     | 21.23 | 1156390 | 20.0 |