

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
 Data File : BG034132.D  
 Acq On : 3 May 2018 1:15  
 Operator : SJ/JU  
 Sample : J2652-21  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMPOSITE-P4-WC

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-BG050118.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         | 5.176       | 314           | 321         | 328          | rVB      | 310583         | 450261        | 4.36%           | 0.677%        |
| 2         | 5.581       | 382           | 390         | 394          | rBV      | 297031         | 480967        | 4.66%           | 0.723%        |
| 3         | 5.634       | 394           | 399         | 407          | rVV      | 1836366        | 2927087       | 28.34%          | 4.402%        |
| 4         | 5.710       | 407           | 412         | 423          | rVB3     | 133118         | 316228        | 3.06%           | 0.476%        |
| 5         | 6.081       | 466           | 475         | 482          | rBV      | 257964         | 420895        | 4.08%           | 0.633%        |
| 6         | 7.221       | 662           | 669         | 677          | rVB      | 1873895        | 3179131       | 30.78%          | 4.781%        |
| 7         | 7.602       | 726           | 734         | 741          | rBV      | 1948652        | 3324378       | 32.19%          | 5.000%        |
| 8         | 7.720       | 748           | 754         | 763          | rVB      | 181280         | 324730        | 3.14%           | 0.488%        |
| 9         | 8.072       | 808           | 814         | 820          | rBV      | 318904         | 553525        | 5.36%           | 0.832%        |
| 10        | 8.184       | 828           | 833         | 840          | rBV3     | 76189          | 135867        | 1.32%           | 0.204%        |
| 11        | 8.396       | 860           | 869         | 874          | rBV      | 1431312        | 2493291       | 24.14%          | 3.750%        |
| 12        | 8.448       | 874           | 878         | 888          | rVB      | 463767         | 772884        | 7.48%           | 1.162%        |
| 13        | 8.613       | 901           | 906         | 912          | rVB2     | 160807         | 280628        | 2.72%           | 0.422%        |
| 14        | 9.236       | 1005          | 1012        | 1024         | rVB      | 1309411        | 2417137       | 23.40%          | 3.635%        |
| 15        | 10.135      | 1158          | 1165        | 1170         | rVB2     | 69469          | 127557        | 1.24%           | 0.192%        |
| 16        | 10.305      | 1184          | 1194        | 1201         | rBV6     | 183159         | 499800        | 4.84%           | 0.752%        |
| 17        | 10.382      | 1201          | 1207        | 1212         | rVV3     | 224143         | 478444        | 4.63%           | 0.720%        |
| 18        | 10.417      | 1212          | 1213        | 1219         | rVB      | 113976         | 138280        | 1.34%           | 0.208%        |
| 19        | 10.887      | 1283          | 1293        | 1296         | rBV      | 402917         | 726120        | 7.03%           | 1.092%        |
| 20        | 10.940      | 1296          | 1302        | 1311         | rVB      | 3473694        | 6612024       | 64.02%          | 9.944%        |
| 21        | 12.080      | 1490          | 1496        | 1504         | rVB4     | 55233          | 122468        | 1.19%           | 0.184%        |
| 22        | 12.544      | 1567          | 1575        | 1584         | rVB      | 1326532        | 2230484       | 21.60%          | 3.355%        |
| 23        | 12.761      | 1600          | 1612        | 1620         | rVB      | 1350440        | 2299196       | 22.26%          | 3.458%        |
| 24        | 13.337      | 1700          | 1710        | 1717         | rBV      | 3295090        | 5265166       | 50.98%          | 7.919%        |
| 25        | 13.548      | 1740          | 1746        | 1753         | rVB2     | 182443         | 282938        | 2.74%           | 0.426%        |
| 26        | 13.742      | 1773          | 1779        | 1790         | rVB      | 151161         | 301070        | 2.92%           | 0.453%        |
| 27        | 13.883      | 1792          | 1803        | 1810         | rBV4     | 148280         | 406925        | 3.94%           | 0.612%        |
| 28        | 14.036      | 1821          | 1829        | 1834         | rBV      | 306725         | 579778        | 5.61%           | 0.872%        |
| 29        | 14.089      | 1834          | 1838        | 1848         | rVB3     | 178271         | 301968        | 2.92%           | 0.454%        |
| 30        | 14.271      | 1864          | 1869        | 1872         | rBV2     | 150018         | 237514        | 2.30%           | 0.357%        |
| 31        | 14.436      | 1888          | 1897        | 1904         | rBV2     | 159217         | 286337        | 2.77%           | 0.431%        |
| 32        | 14.712      | 1932          | 1944        | 1950         | rBV2     | 732842         | 1322304       | 12.80%          | 1.989%        |
| 33        | 14.776      | 1950          | 1955        | 1964         | rVB      | 791928         | 1247829       | 12.08%          | 1.877%        |
| 34        | 15.111      | 2007          | 2012        | 2018         | rVV2     | 66628          | 119790        | 1.16%           | 0.180%        |

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

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-BG050118.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 15.323 | 2041 | 2048 | 2054 | rBV6 | 40962   | 107543   | 1.04%   | 0.162%  |
| 36 | 15.711 | 2108 | 2114 | 2117 | rBV2 | 95288   | 142120   | 1.38%   | 0.214%  |
| 37 | 15.763 | 2117 | 2123 | 2131 | rVB2 | 366201  | 608471   | 5.89%   | 0.915%  |
| 38 | 15.975 | 2154 | 2159 | 2163 | rBV5 | 60709   | 109741   | 1.06%   | 0.165%  |
| 39 | 16.204 | 2188 | 2198 | 2210 | rBV  | 3605696 | 5601189  | 54.24%  | 8.424%  |
| 40 | 17.467 | 2404 | 2413 | 2417 | rBV  | 1207674 | 1867418  | 18.08%  | 2.809%  |
| 41 | 17.508 | 2417 | 2420 | 2426 | rVB  | 509599  | 723227   | 7.00%   | 1.088%  |
| 42 | 17.597 | 2431 | 2435 | 2441 | rVB2 | 103683  | 161123   | 1.56%   | 0.242%  |
| 43 | 18.343 | 2557 | 2562 | 2567 | rBV  | 55001   | 109594   | 1.06%   | 0.165%  |
| 44 | 18.537 | 2588 | 2595 | 2599 | rBV4 | 73023   | 141017   | 1.37%   | 0.212%  |
| 45 | 19.694 | 2783 | 2792 | 2800 | rBV  | 496741  | 699881   | 6.78%   | 1.053%  |
| 46 | 19.882 | 2813 | 2824 | 2827 | rBV2 | 54484   | 136893   | 1.33%   | 0.206%  |
| 47 | 20.088 | 2852 | 2859 | 2865 | rBV  | 7389620 | 10327476 | 100.00% | 15.532% |
| 48 | 20.828 | 2981 | 2985 | 2992 | rVB3 | 92811   | 120942   | 1.17%   | 0.182%  |
| 49 | 21.756 | 3136 | 3143 | 3152 | rVB2 | 1242179 | 2045722  | 19.81%  | 3.077%  |
| 50 | 25.041 | 3691 | 3702 | 3716 | rBV2 | 672026  | 1925149  | 18.64%  | 2.895%  |

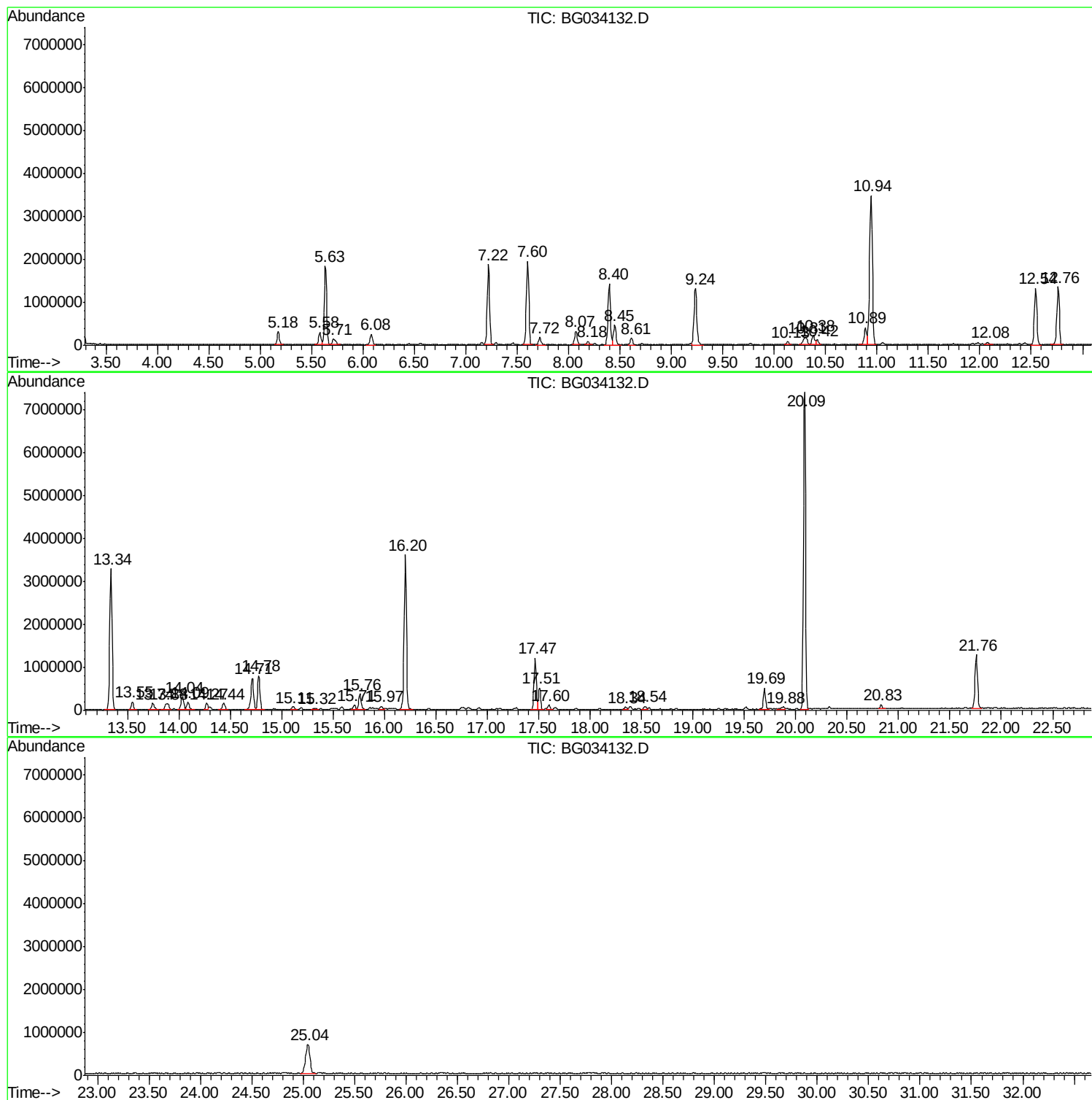
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BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
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Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

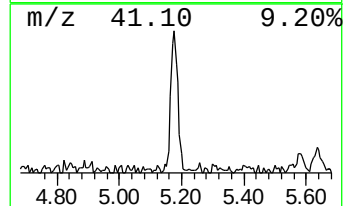
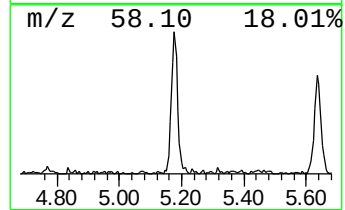
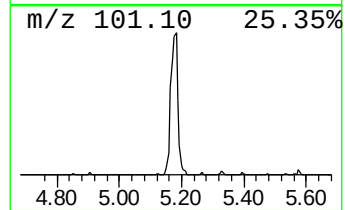
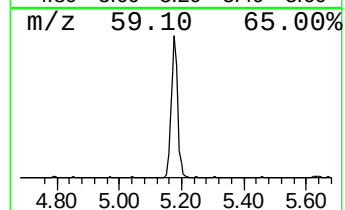
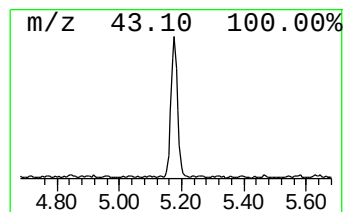
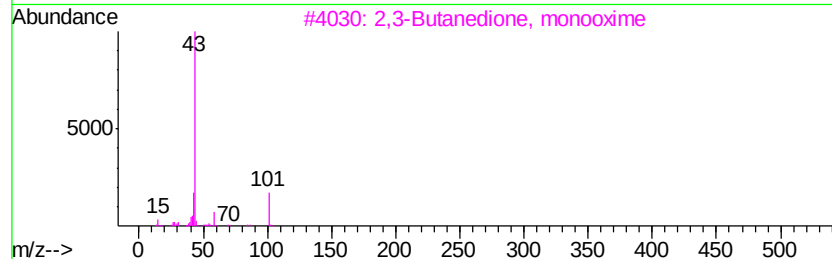
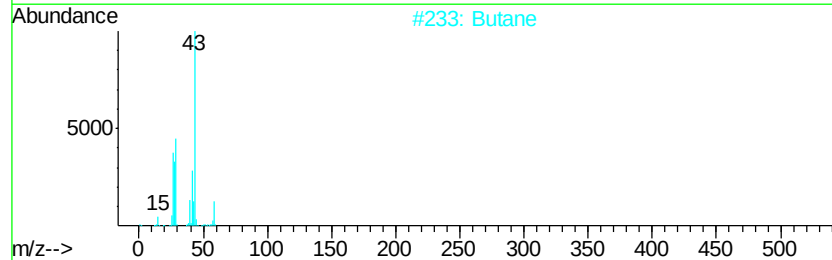
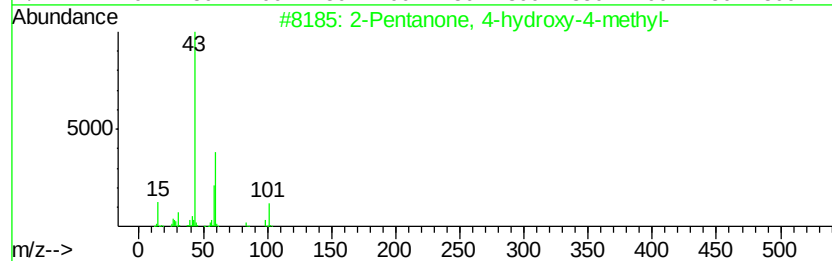
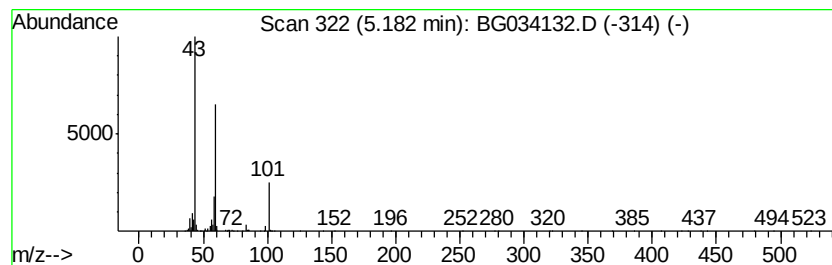
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.18 | 16.27 ng | 450261 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 47   |
| 2    |    | Butane                           | 58  | C4H10   | 000106-97-8 | 9    |
| 3    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 4    |    | Acetone                          | 58  | C3H6O   | 000067-64-1 | 9    |
| 5    |    | Morpholine, 4-methyl-            | 101 | C5H11NO | 000109-02-4 | 9    |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

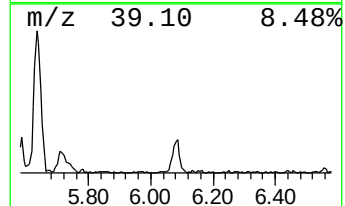
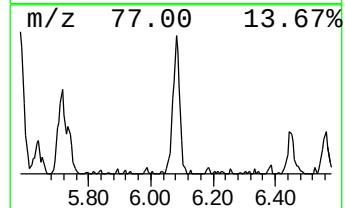
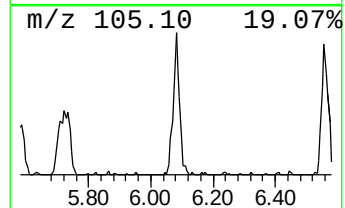
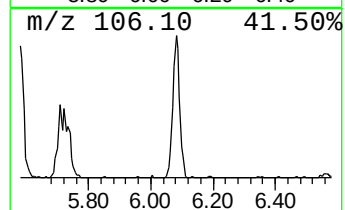
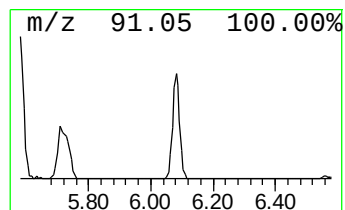
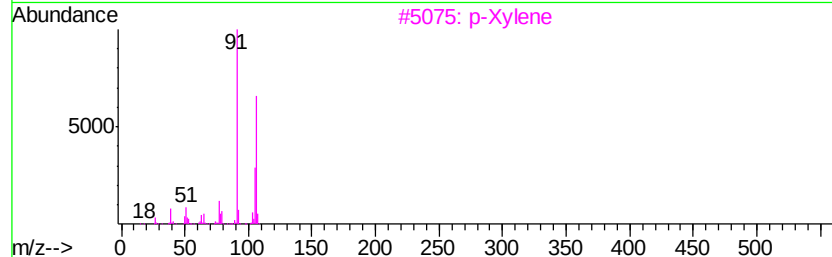
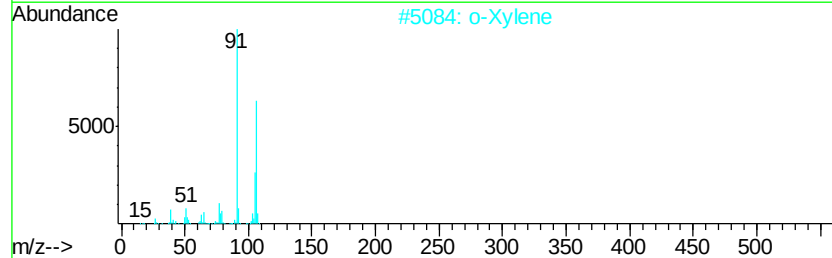
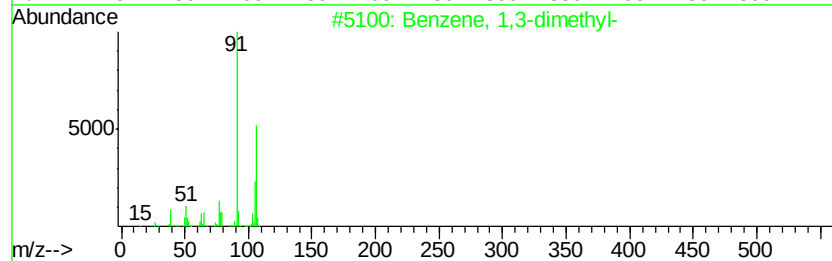
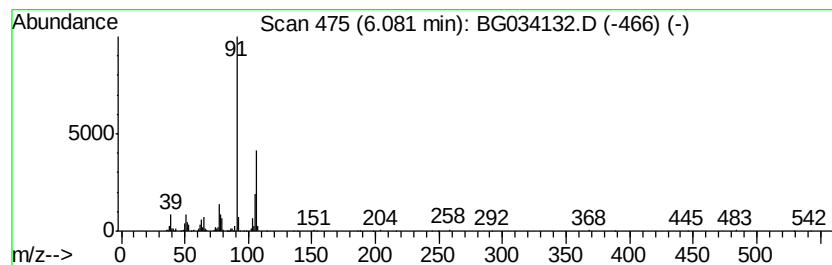
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.08 | 15.21 ng | 420895 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-dimethyl-              | 106 | C8H10   | 000108-38-3 | 94   |
| 2    |    | o-Xylene                            | 106 | C8H10   | 000095-47-6 | 93   |
| 3    |    | p-Xylene                            | 106 | C8H10   | 000106-42-3 | 93   |
| 4    |    | 1,3-Cyclopentadiene, 5-(1-methyl... | 106 | C8H10   | 002175-91-9 | 80   |
| 5    |    | Benzeneethanol, .alpha.,.beta.-d... | 150 | C10H14O | 052089-32-4 | 78   |



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Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

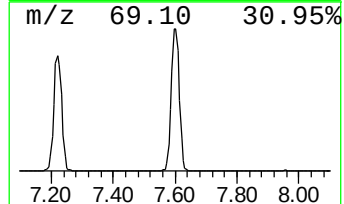
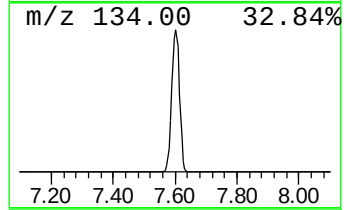
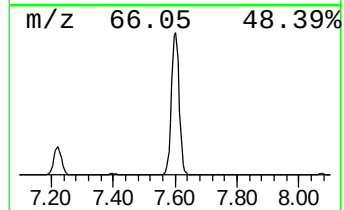
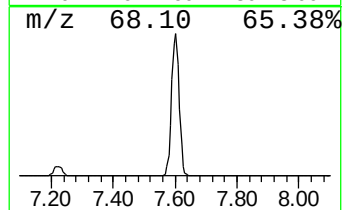
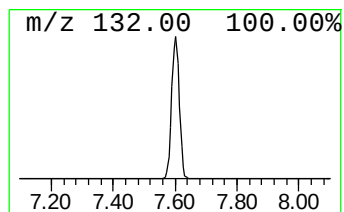
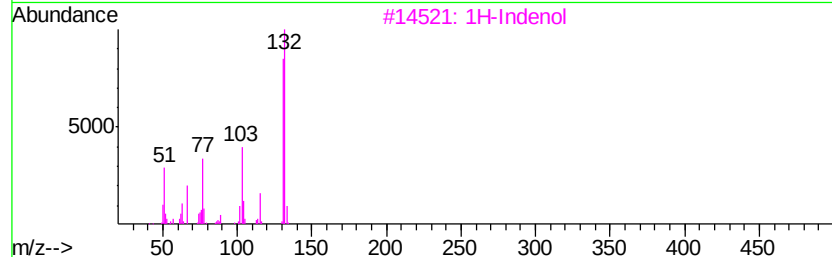
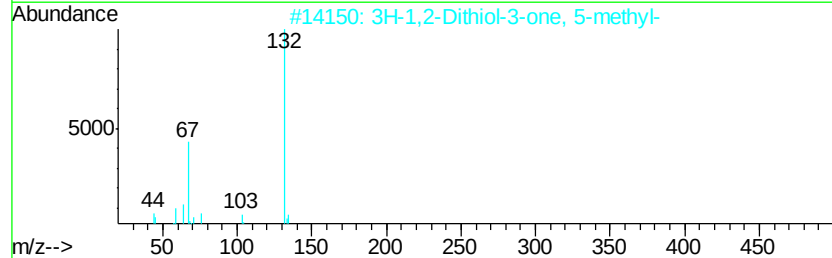
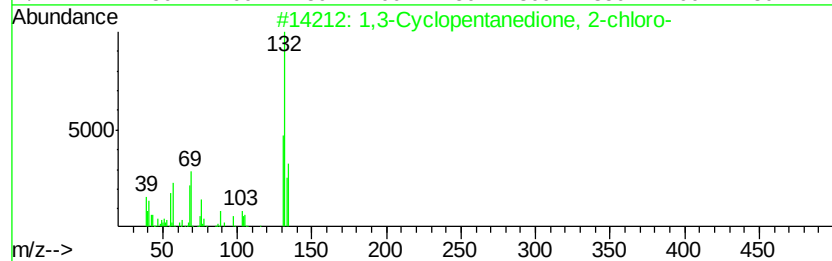
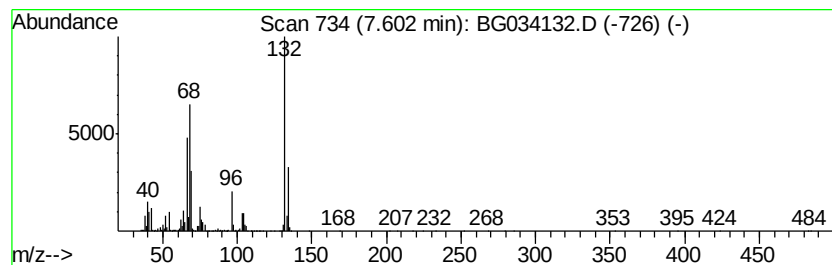
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown7.60 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.60 | 120.12 ng | 3324380 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 16   |
| 2    |    | 3H-1,2-Dithiol-3-one, 5-methyl-  | 132 | C4H4OS2   | 003620-08-4  | 14   |
| 3    |    | 1H-Indenol                       | 132 | C9H8O     | 056631-57-3  | 14   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 14   |
| 5    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |



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COMPOSITE-P4-WC

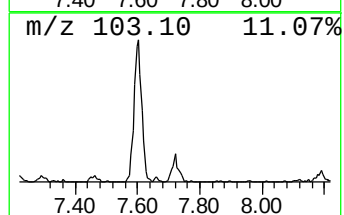
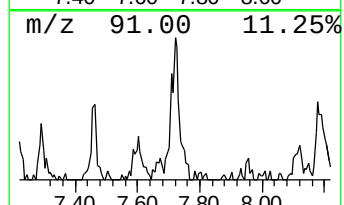
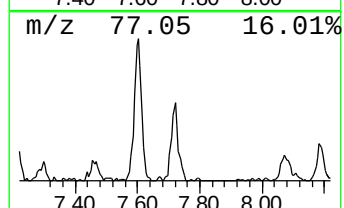
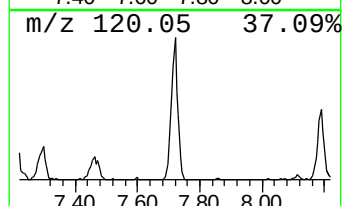
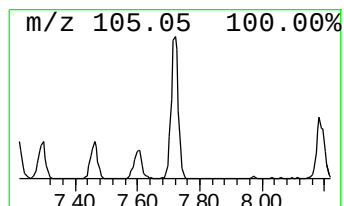
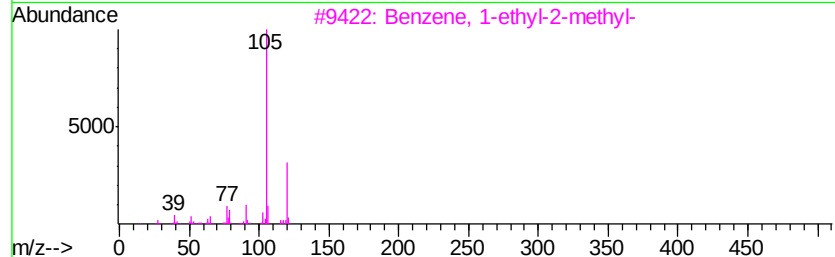
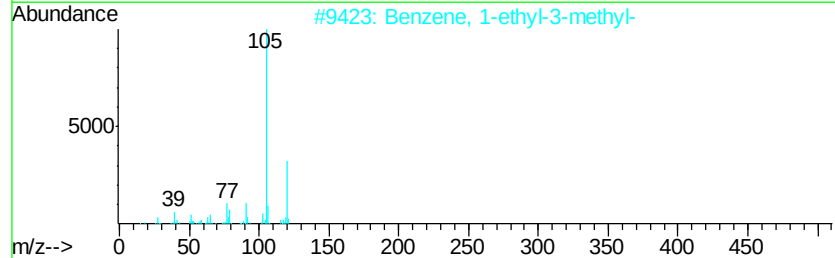
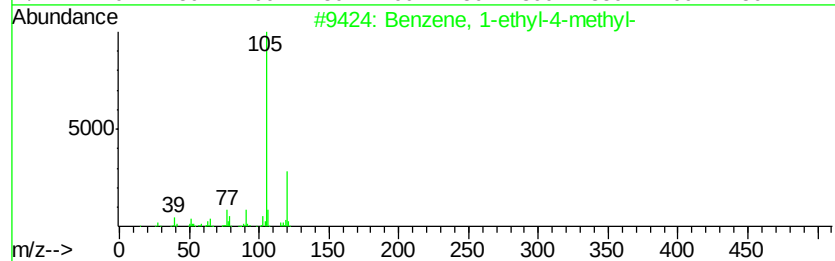
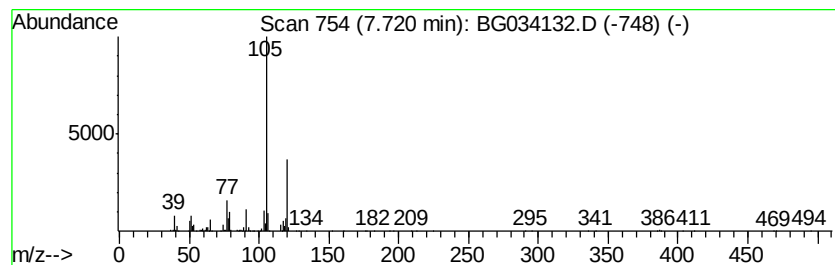
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 10

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.72 | 11.73 ng | 324730 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 87   |
| 3    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 81   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 76   |
| 5    |    | Benzene, (1-methylethyl)-  | 120 | C9H12   | 000098-82-8 | 76   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

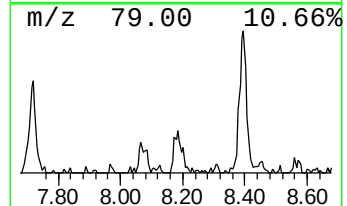
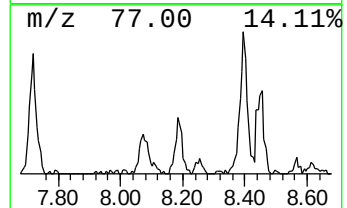
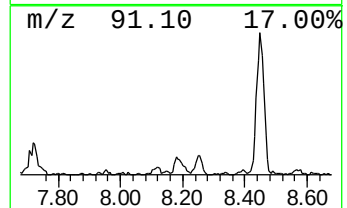
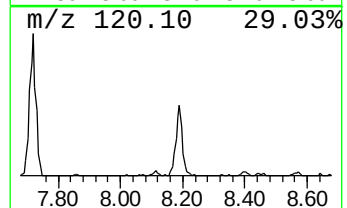
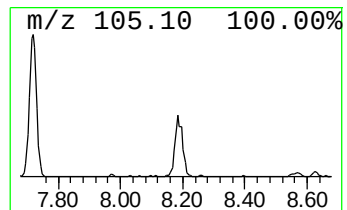
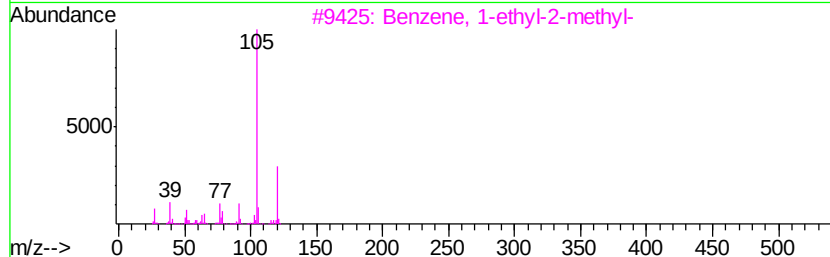
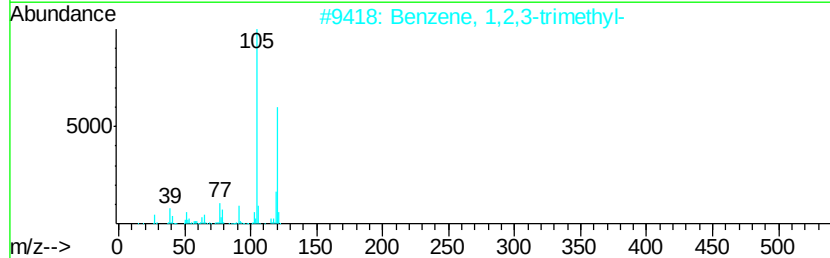
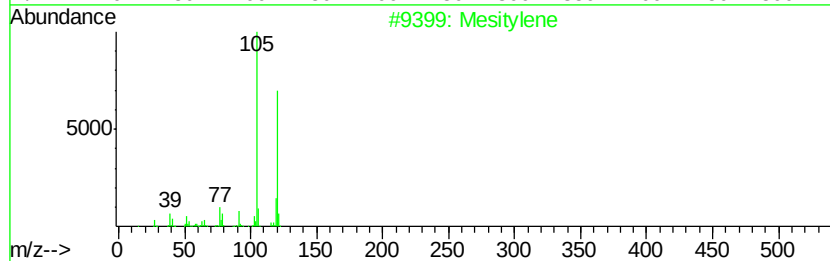
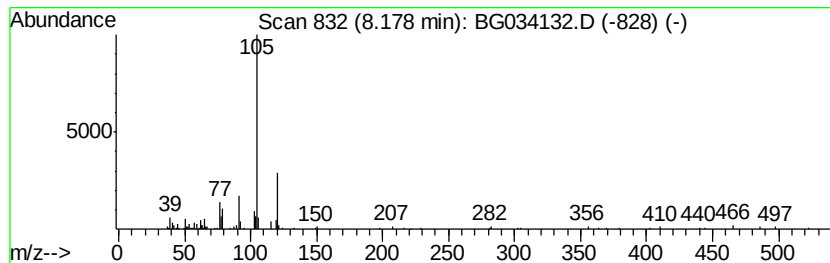
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Mesitylene Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 8.18 | 4.91 ng | 135867 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 76   |
| 2    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 76   |
| 3    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 76   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 76   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 76   |





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

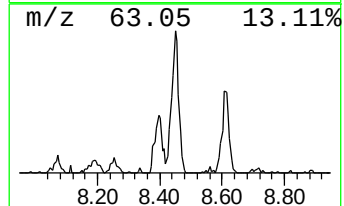
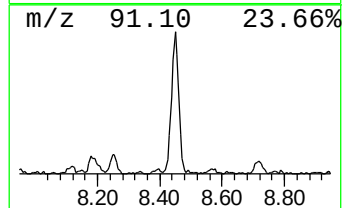
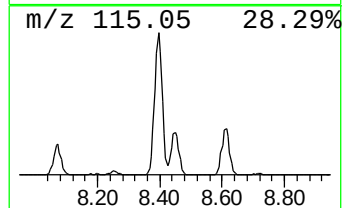
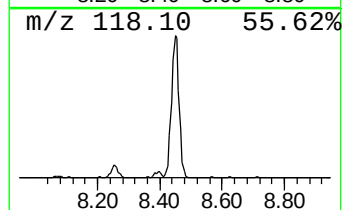
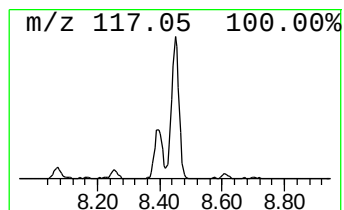
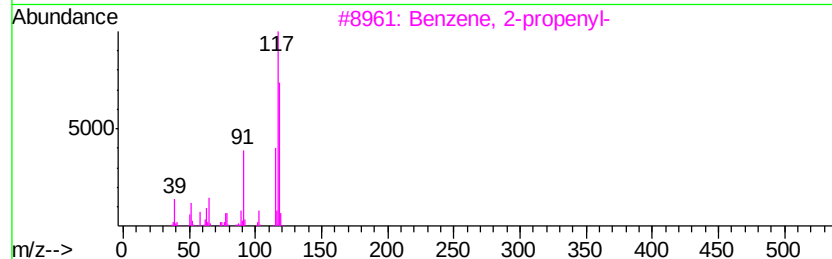
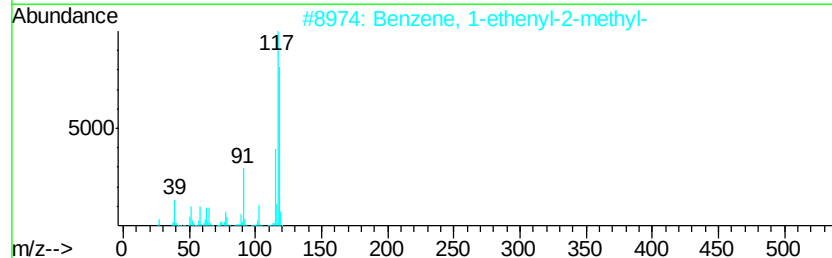
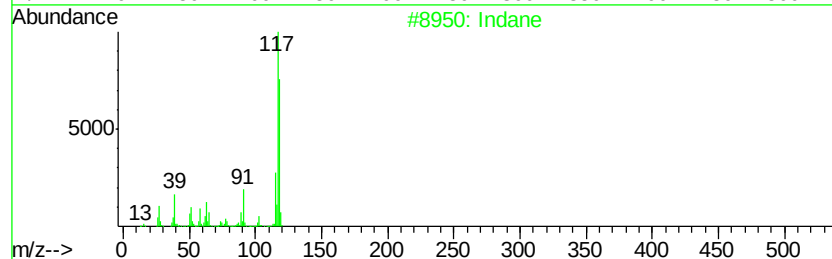
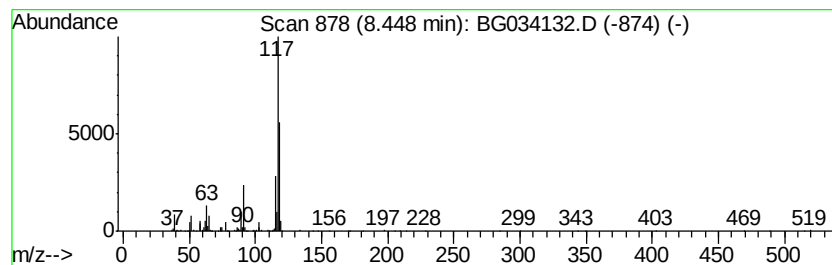
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Indane Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.45 | 27.93 ng | 772884 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Indane                           | 118 | C9H10   | 000496-11-7  | 95   |
| 2    |    | Benzene, 1-ethenyl-2-methyl-     | 118 | C9H10   | 000611-15-4  | 81   |
| 3    |    | Benzene, 2-propenyl-             | 118 | C9H10   | 000300-57-2  | 81   |
| 4    |    | Tetracyclo[3.3.1.0(2,8).0(4,6)]- | 118 | C9H10   | 1000191-13-7 | 74   |
| 5    |    | Benzene, 1-ethenyl-4-methyl-     | 118 | C9H10   | 000622-97-9  | 74   |



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Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

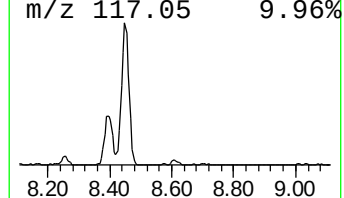
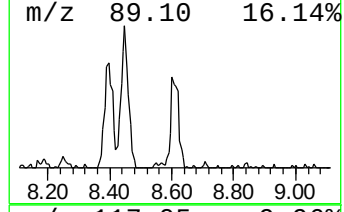
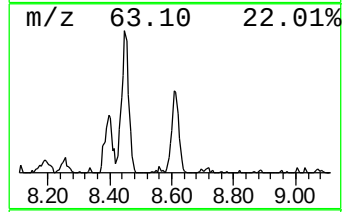
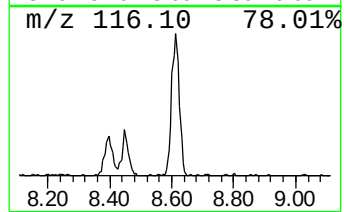
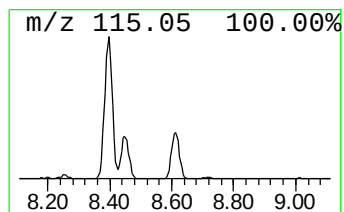
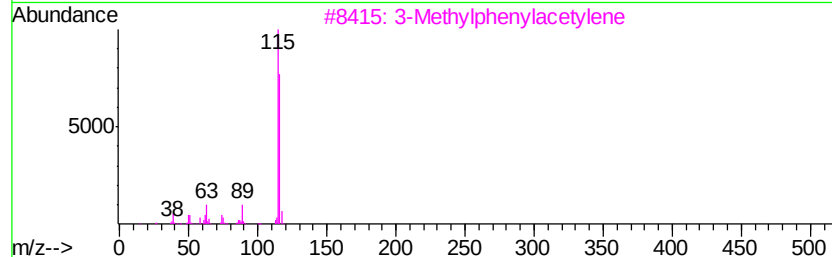
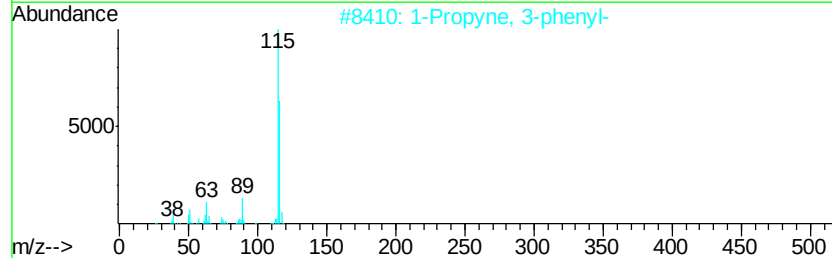
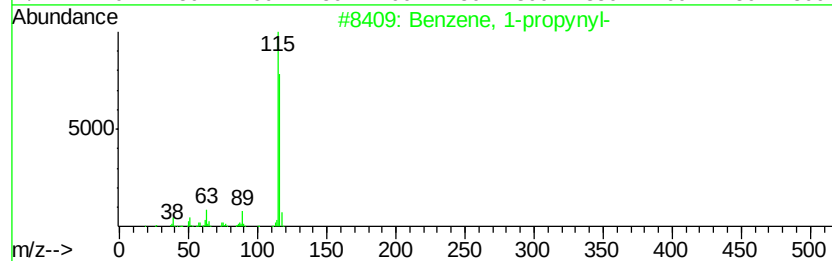
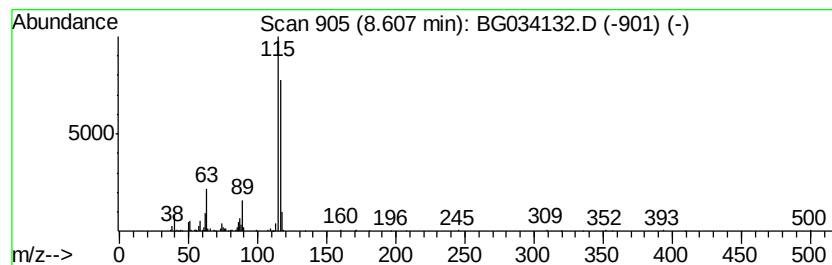
Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Benzene, 1-propynyl- Concentration Rank 12

| R.T.      | EstConc                      | Area   | Relative to ISTD       | R.T.        |      |
|-----------|------------------------------|--------|------------------------|-------------|------|
| 8.61      | 10.14 ng                     | 280628 | 1,4-Dichlorobenzene-d4 | 8.07        |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1-propynyl-         | 116    | C9H8                   | 000673-32-5 | 90   |
| 2         | 1-Propyne, 3-phenyl-         | 116    | C9H8                   | 010147-11-2 | 90   |
| 3         | 3-Methylphenylacetylene      | 116    | C9H8                   | 000766-82-5 | 87   |
| 4         | Benzene, 1-ethynyl-4-methyl- | 116    | C9H8                   | 000766-97-2 | 86   |
| 5         | Benzene, 1,2-propadienyl-    | 116    | C9H8                   | 002327-99-3 | 86   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
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Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

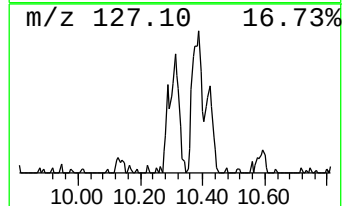
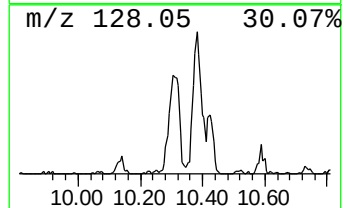
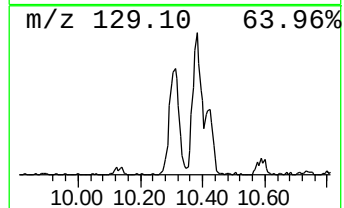
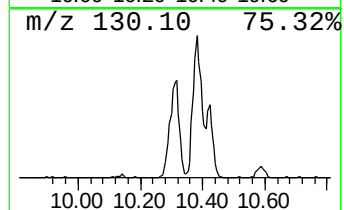
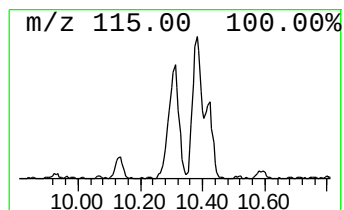
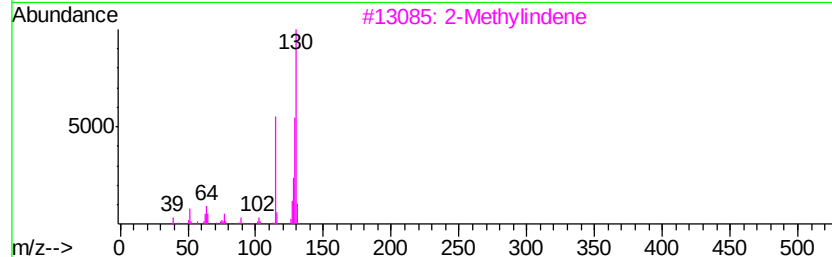
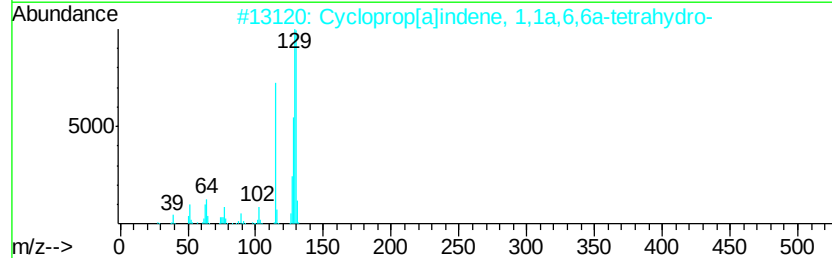
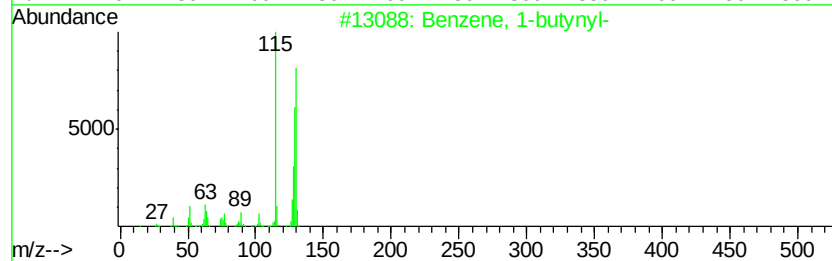
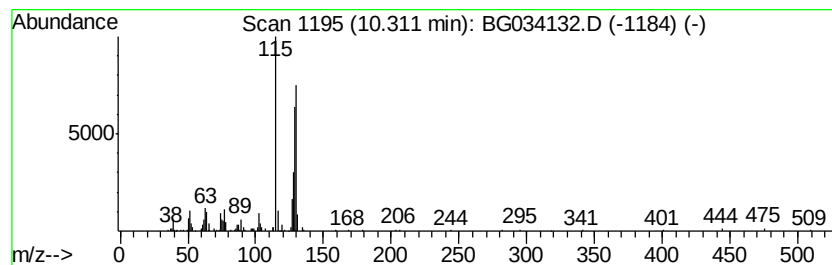
Instrument :  
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ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.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 11 Benzene, 1-butynyl- Concentration Rank 8

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------------|------------------|----------------|
| 10.31   | 13.77 ng | 499800                              | Naphthalene-d8   | 10.89          |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |          | Benzene, 1-butynyl-                 | 130 C10H10       | 000622-76-4 94 |
| 2       |          | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 C10H10       | 015677-15-3 91 |
| 3       |          | 2-Methylindene                      | 130 C10H10       | 002177-47-1 87 |
| 4       |          | 1H-Indene, 3-methyl-                | 130 C10H10       | 000767-60-2 87 |
| 5       |          | Naphthalene, 1,2-dihydro-           | 130 C10H10       | 000447-53-0 87 |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

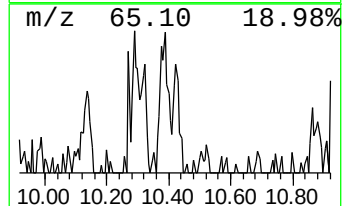
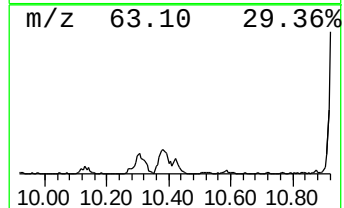
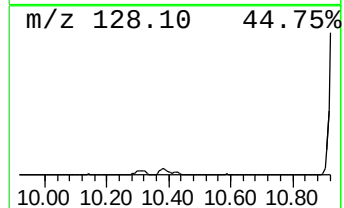
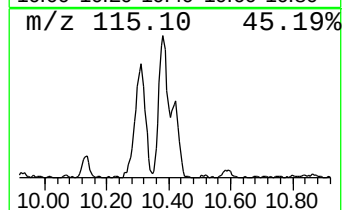
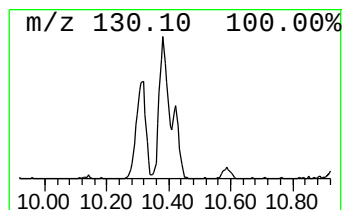
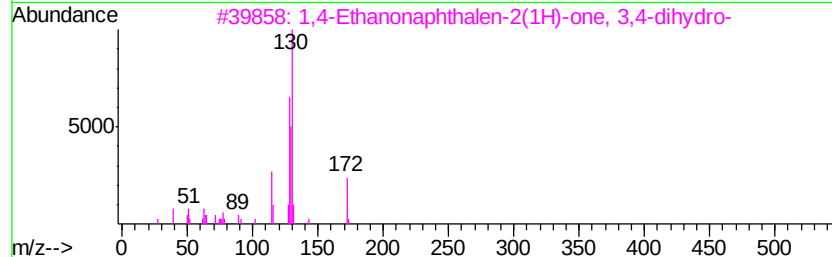
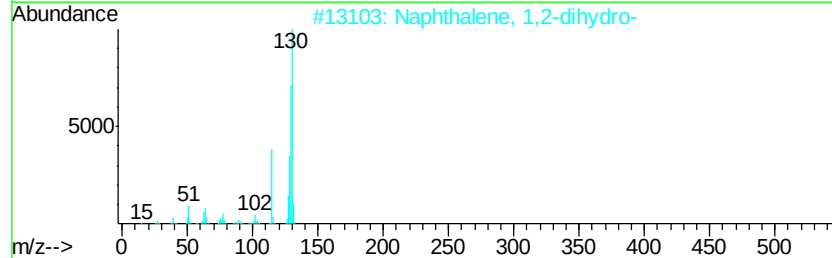
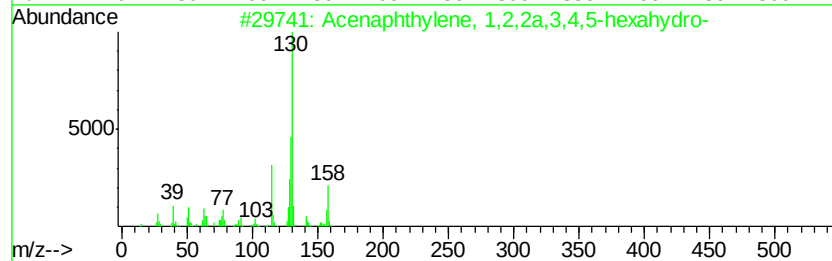
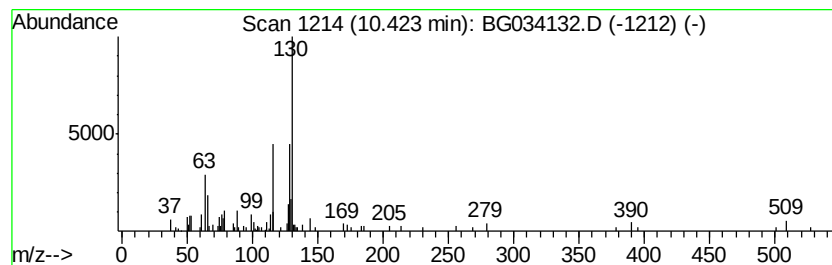
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Acenaphthylene, 1,2,2a,3,4,... Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.42 | 3.81 ng | 138280 | Naphthalene-d8   | 10.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Acenaphthylene, 1,2,2a,3,4,5-hex... | 158 | C12H14  | 000480-72-8  | 50   |
| 2    |    | Naphthalene, 1,2-dihydro-           | 130 | C10H10  | 000447-53-0  | 38   |
| 3    |    | 1,4-Ethanonaphthalen-2(1H)-one, ... | 172 | C12H12O | 013153-76-9  | 37   |
| 4    |    | 2-Methylindene                      | 130 | C10H10  | 002177-47-1  | 32   |
| 5    |    | Naphthalene, 1,8 Deutero            | 130 | C10H6D2 | 1000334-35-0 | 27   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

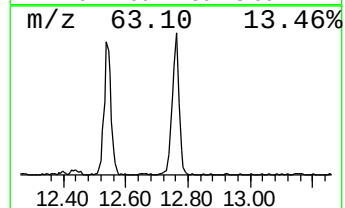
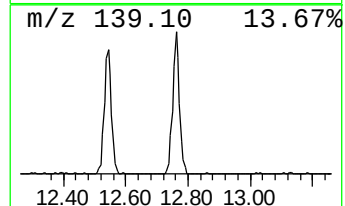
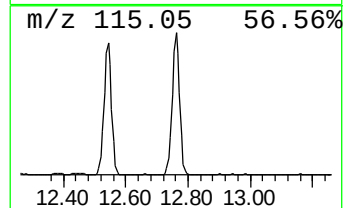
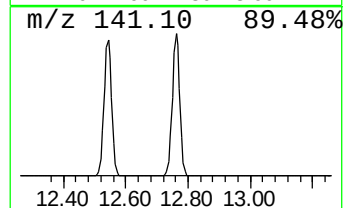
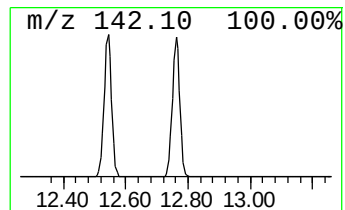
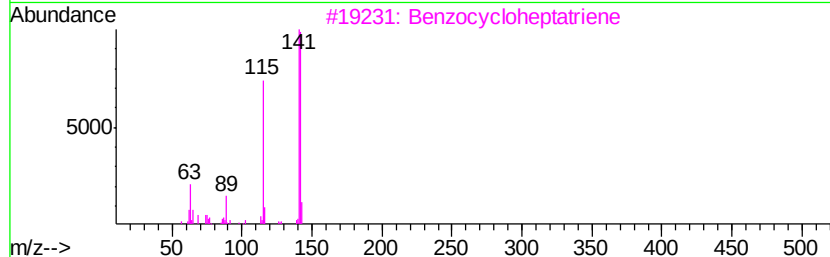
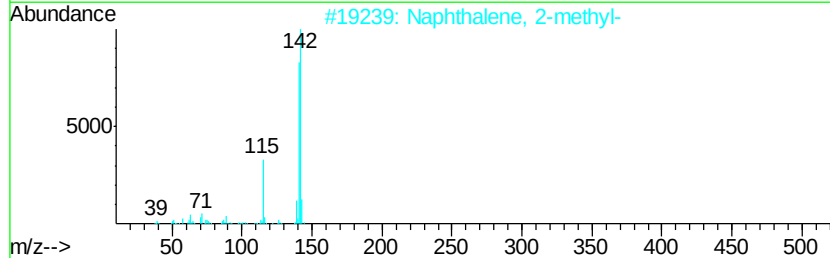
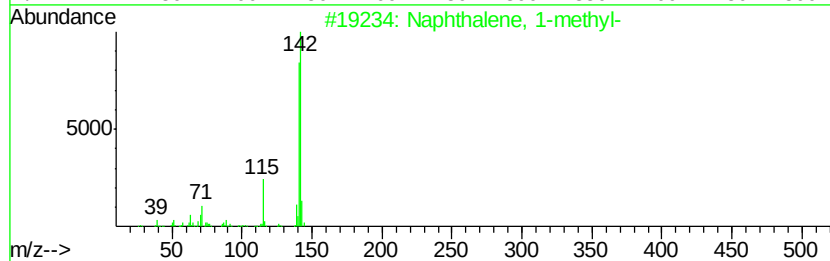
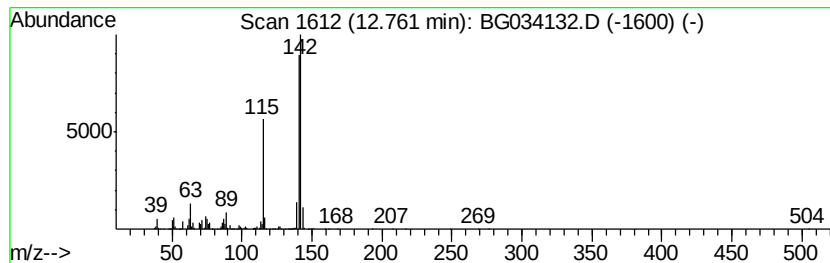
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.76 | 63.33 ng | 2299200 | Naphthalene-d8   | 10.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 95   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 95   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 94   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 58   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

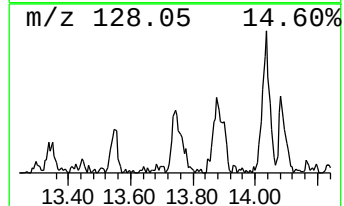
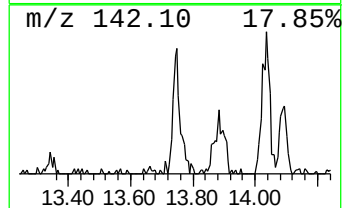
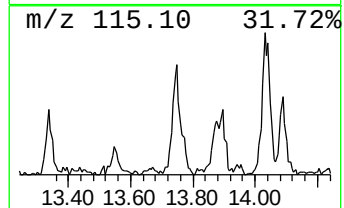
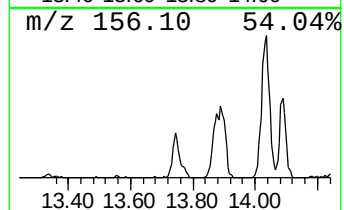
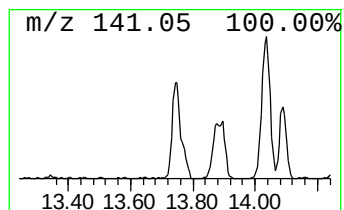
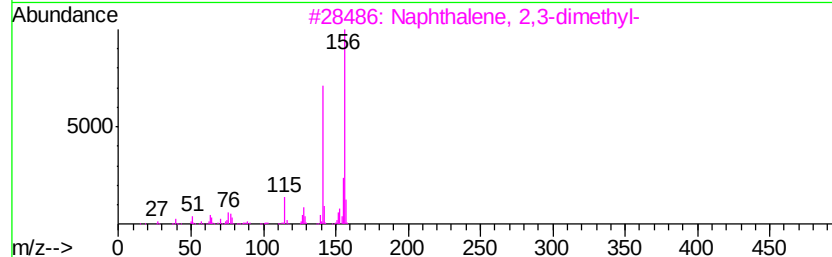
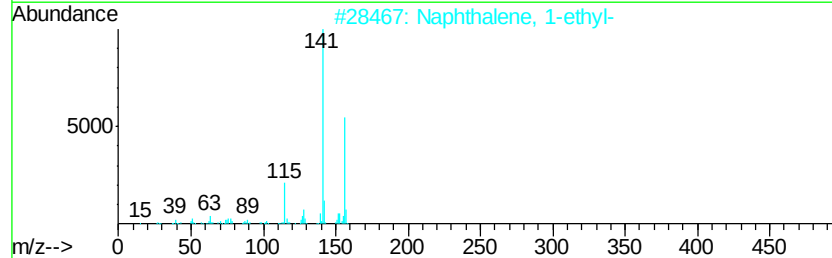
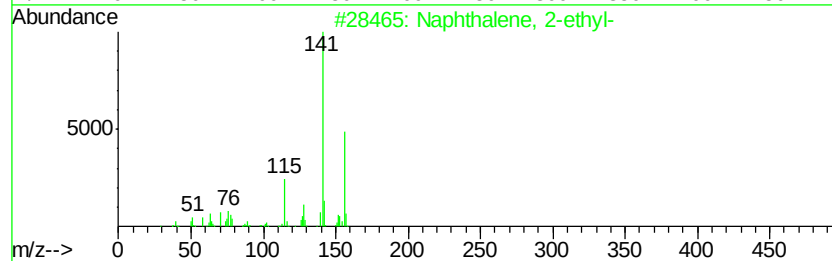
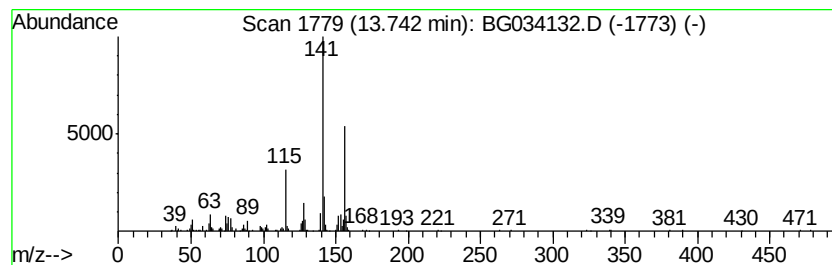
Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.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 15 Naphthalene, 2-ethyl- Concentration Rank 17

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 13.74     | 4.55 ng                    | 301070 | Acenaphthene-d10 | 14.71       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2-ethyl-      | 156    | C12H12           | 000939-27-5 | 95   |
| 2         | Naphthalene, 1-ethyl-      | 156    | C12H12           | 001127-76-0 | 94   |
| 3         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 91   |
| 4         | Naphthalene, 1,2-dimethyl- | 156    | C12H12           | 000573-98-8 | 91   |
| 5         | Naphthalene, 1,5-dimethyl- | 156    | C12H12           | 000571-61-9 | 91   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

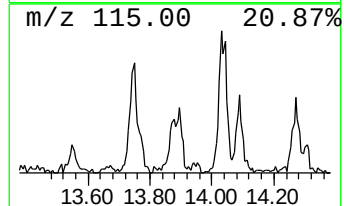
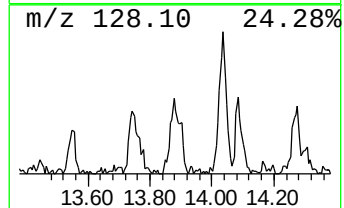
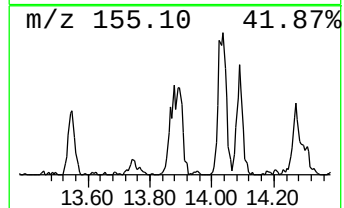
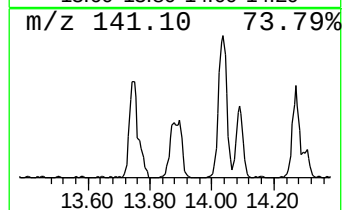
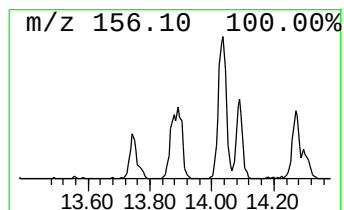
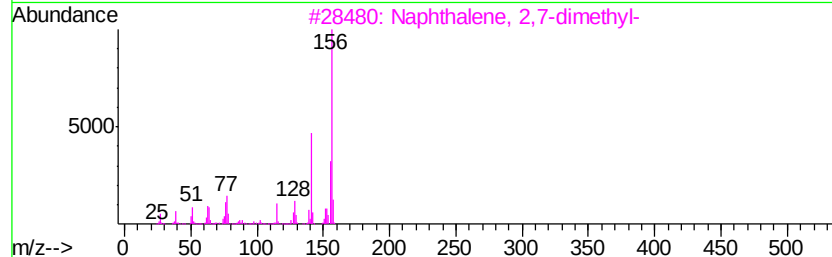
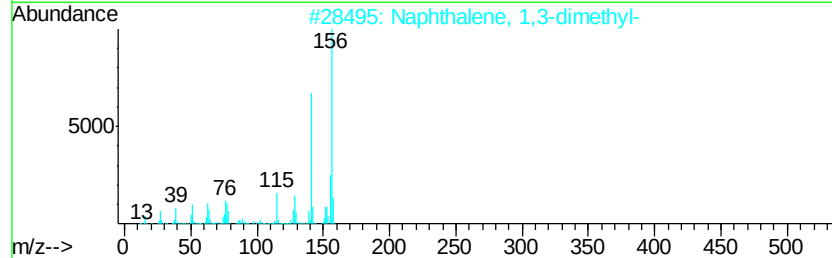
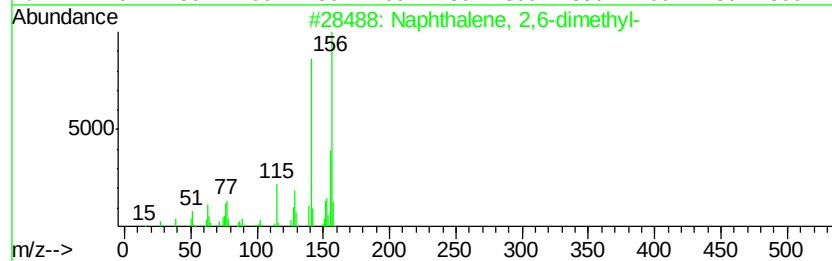
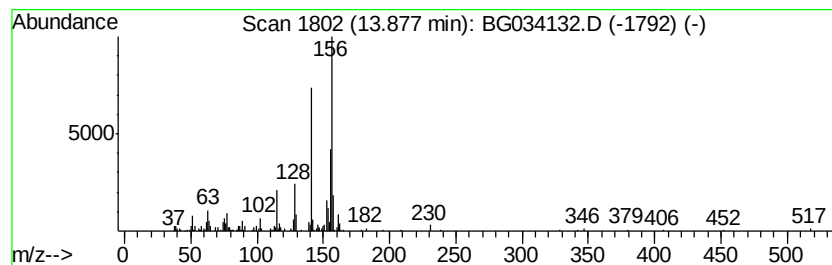
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.88 | 6.15 ng | 406925 | Acenaphthene-d10 | 14.71 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 93   |
| 2    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 93   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 93   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 91   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 91   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

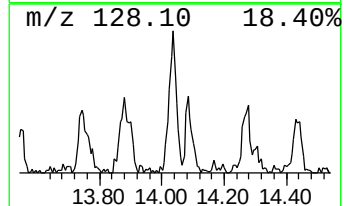
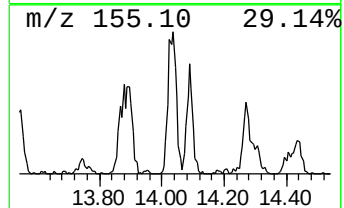
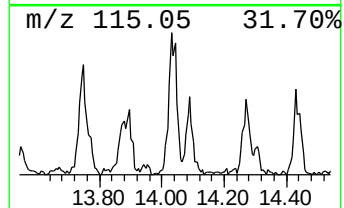
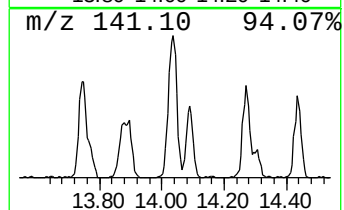
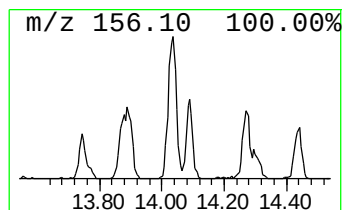
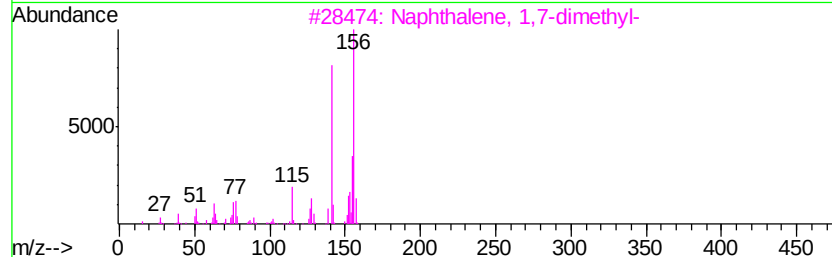
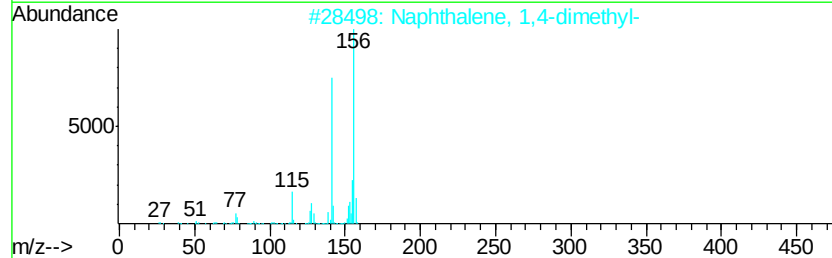
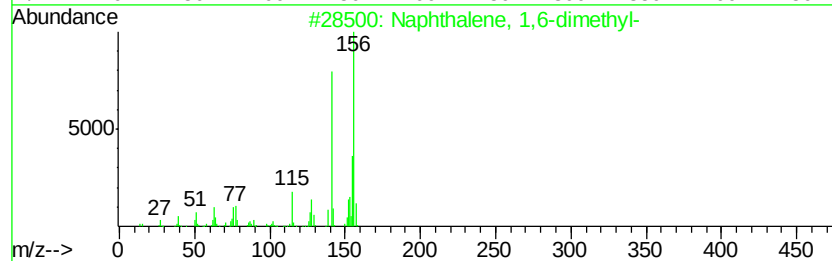
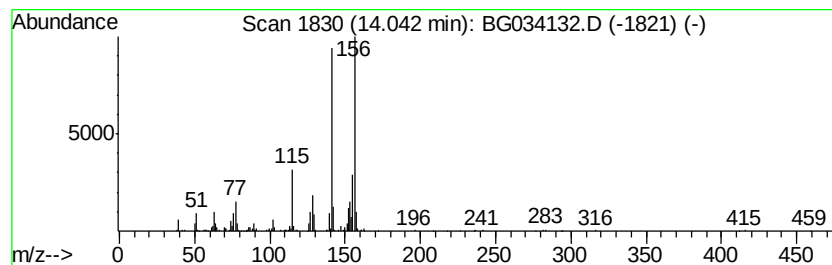
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.04 | 8.77 ng | 579778 | Acenaphthene-d10 | 14.71 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 95   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |





Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\  
Data File : BG034132.D  
Acq On : 3 May 2018 1:15  
Operator : SJ/JU  
Sample : J2652-21  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

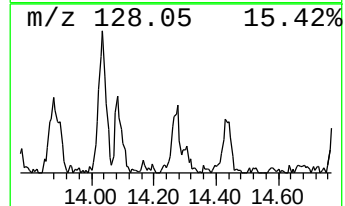
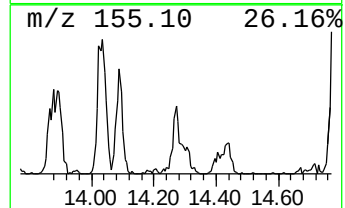
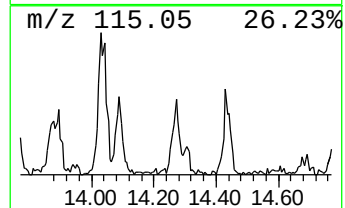
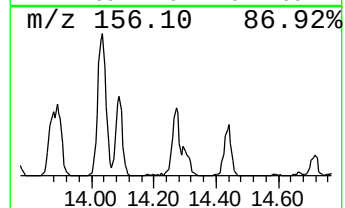
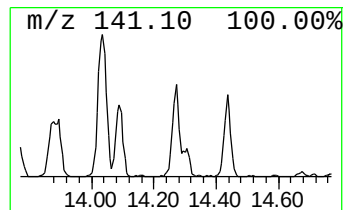
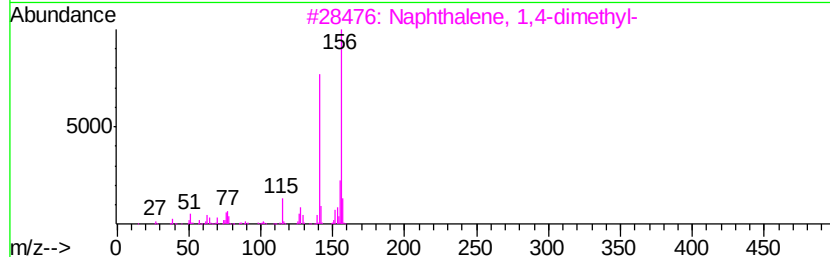
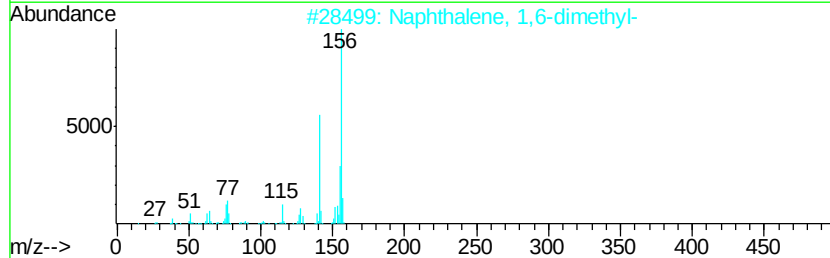
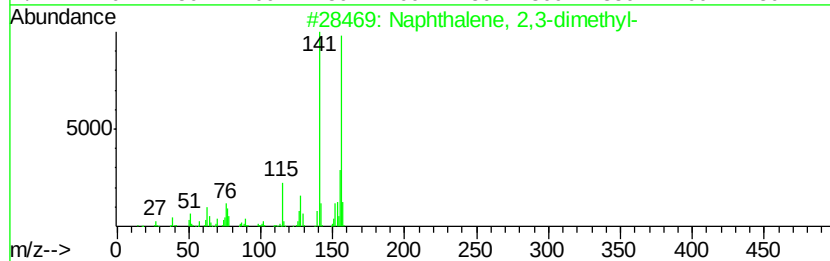
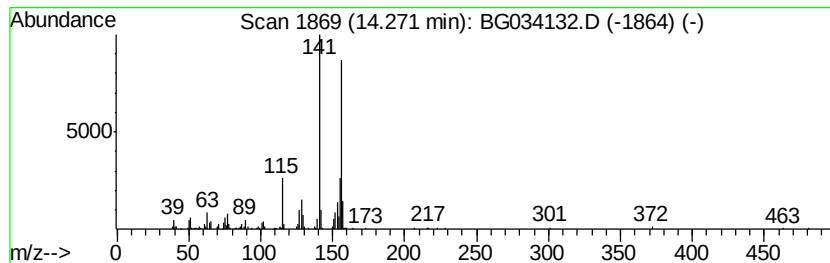
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.27 | 3.59 ng | 237514 | Acenaphthene-d10 | 14.71 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 94   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 94   |
| 3    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 93   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 93   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050218\  
 Data File : BG034132.D  
 Acq On : 3 May 2018 1:15  
 Operator : SJ/JU  
 Sample : J2652-21  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMPOSITE-P4-WC

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050118.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 |
| 2-Pentanone, 4-hy... | 5.18  | 16.3    | ng    | 450261   | 1                     | 8.07  | 553525  | 20.0 |
| Benzene, 1,3-dime... | 6.08  | 15.2    | ng    | 420895   | 1                     | 8.07  | 553525  | 20.0 |
| unknown7.60          | 7.60  | 120.1   | ng    | 3324380  | 1                     | 8.07  | 553525  | 20.0 |
| Benzene, 1-ethyl-... | 7.72  | 11.7    | ng    | 324730   | 1                     | 8.07  | 553525  | 20.0 |
| Mesitylene           | 8.18  | 4.9     | ng    | 135867   | 1                     | 8.07  | 553525  | 20.0 |
| Indane               | 8.45  | 27.9    | ng    | 772884   | 1                     | 8.07  | 553525  | 20.0 |
| Benzene, 1-propynyl- | 8.61  | 10.1    | ng    | 280628   | 1                     | 8.07  | 553525  | 20.0 |
| Benzene, 1-butynyl-  | 10.31 | 13.8    | ng    | 499800   | 2                     | 10.89 | 726120  | 20.0 |
| Acenaphthylene, 1... | 10.42 | 3.8     | ng    | 138280   | 2                     | 10.89 | 726120  | 20.0 |
| Naphthalene, 1-me... | 12.76 | 63.3    | ng    | 2299200  | 2                     | 10.89 | 726120  | 20.0 |
| Naphthalene, 2-et... | 13.74 | 4.5     | ng    | 301070   | 3                     | 14.71 | 1322300 | 20.0 |
| Naphthalene, 2,6-... | 13.88 | 6.2     | ng    | 406925   | 3                     | 14.71 | 1322300 | 20.0 |
| Naphthalene, 1,6-... | 14.04 | 8.8     | ng    | 579778   | 3                     | 14.71 | 1322300 | 20.0 |
| Naphthalene, 2,3-... | 14.27 | 3.6     | ng    | 237514   | 3                     | 14.71 | 1322300 | 20.0 |